

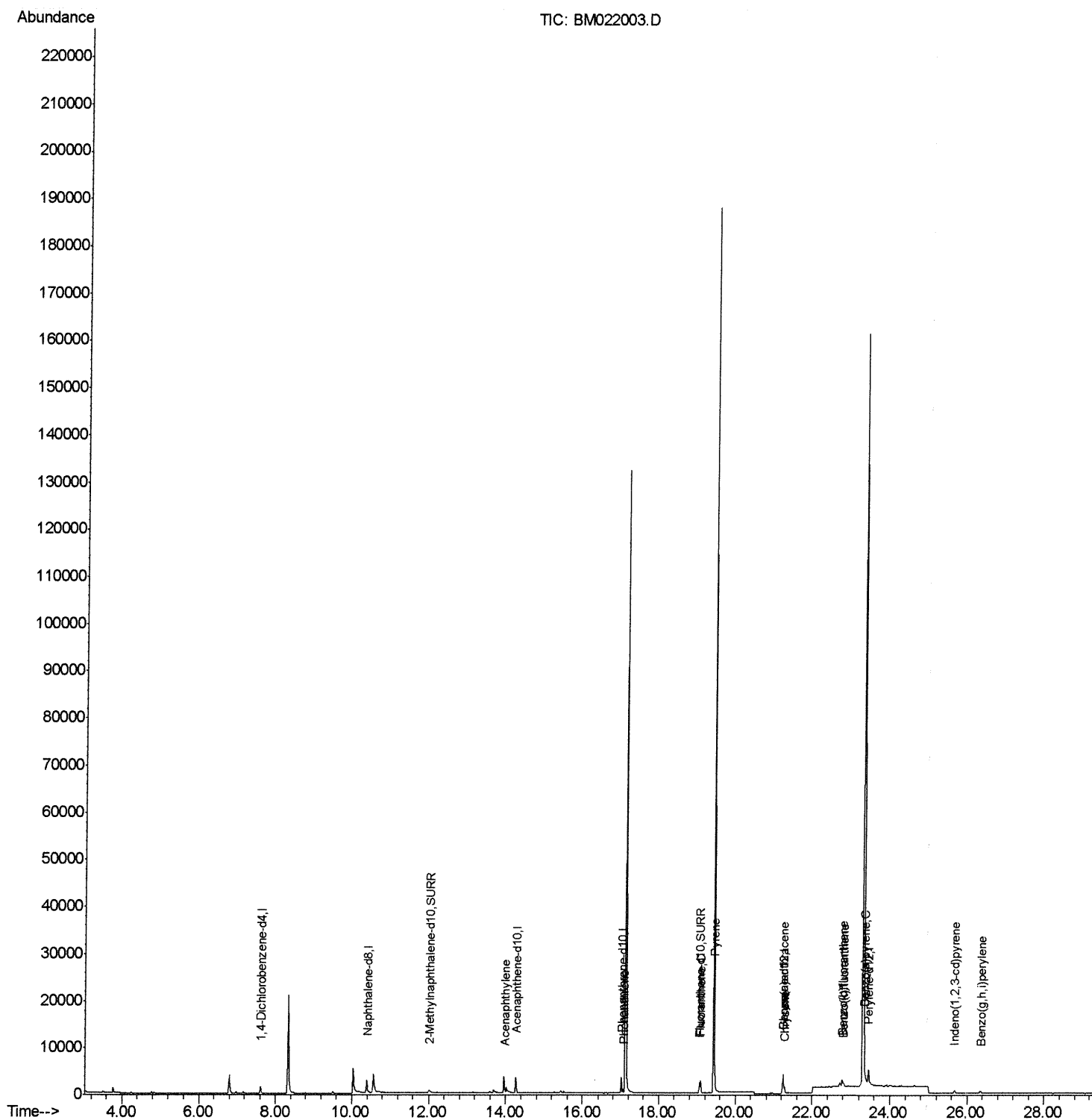
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM022003.D
Acq On : 10 Aug 2019 18:54
Operator : HP/JU
Sample : K4041-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT3

Manual Integrations
APPROVED

Sohil
8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:18:01 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 : Sun Aug 11 01:49:36 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

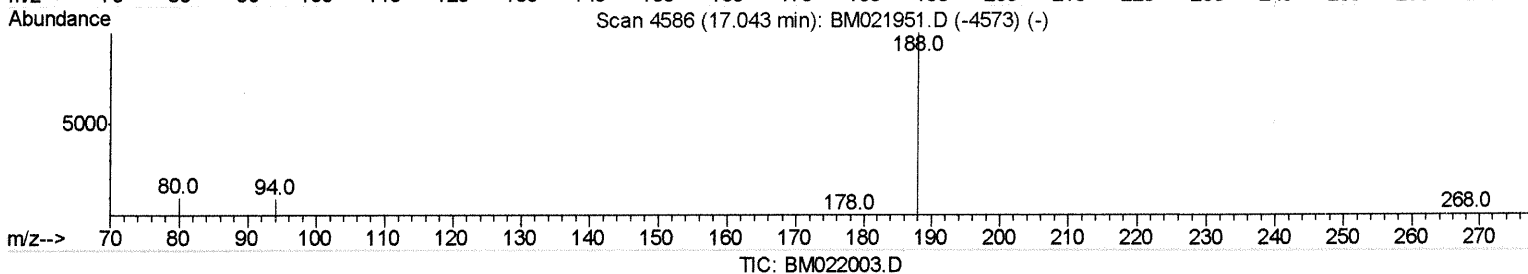
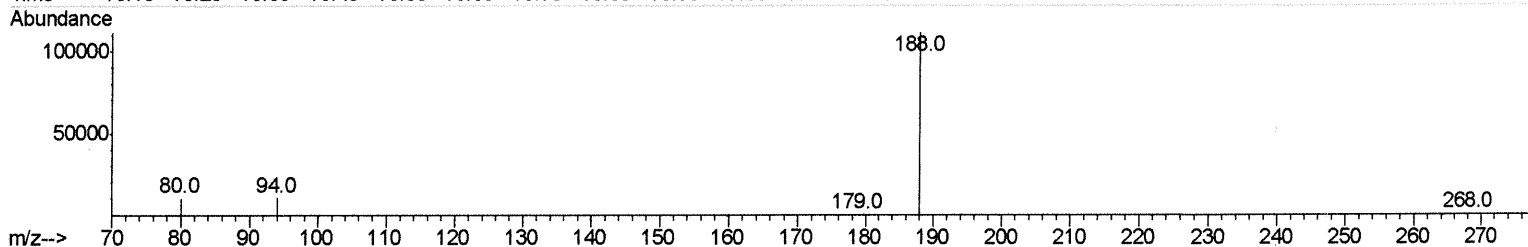
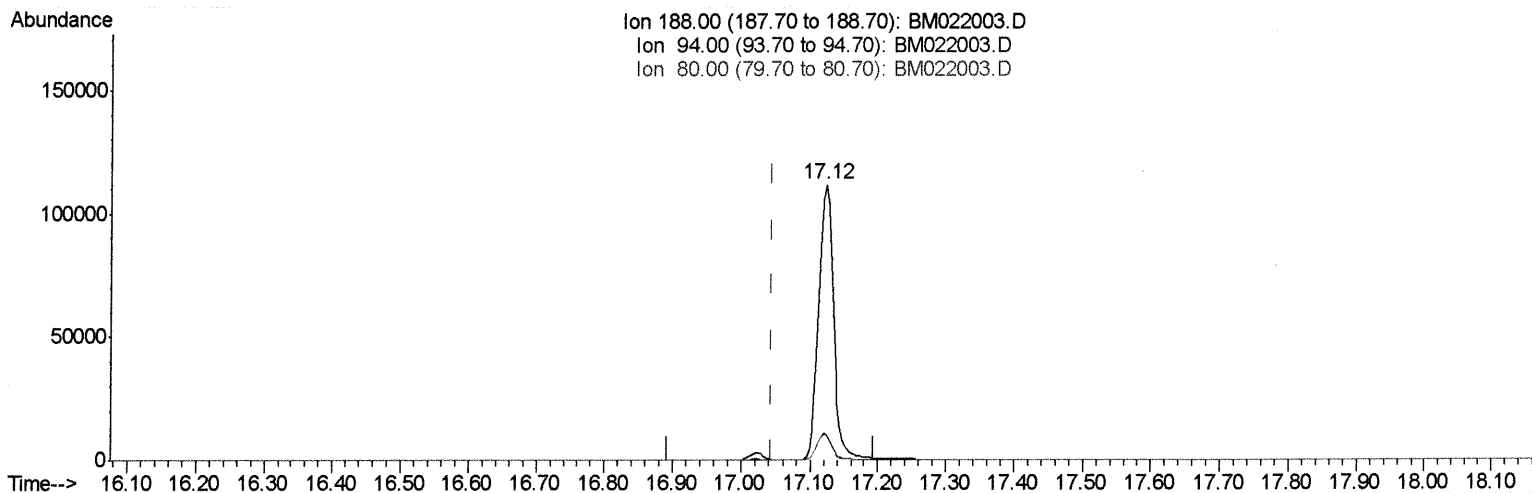
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENT3

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:06 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.122min (+0.078) 0.40ng/ul

response 164877

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.54
80.00	11.40	9.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

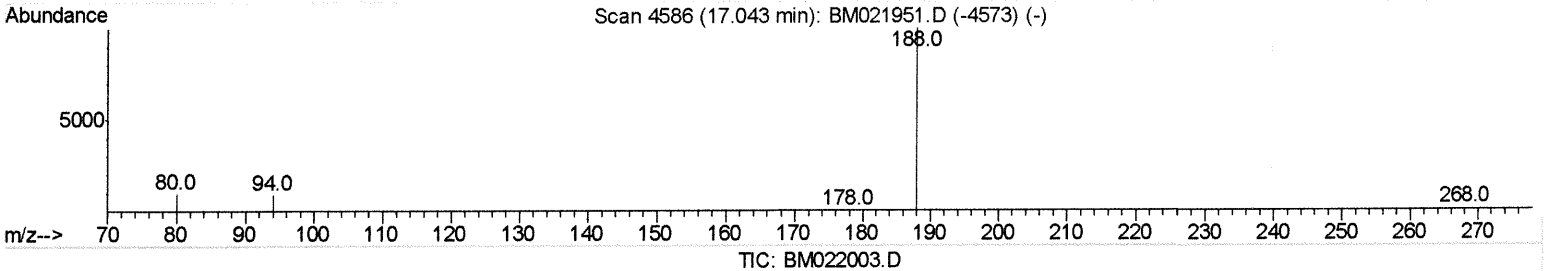
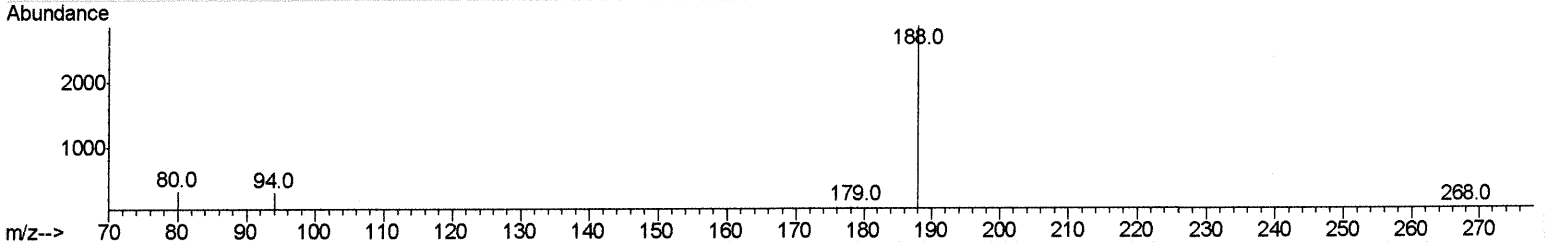
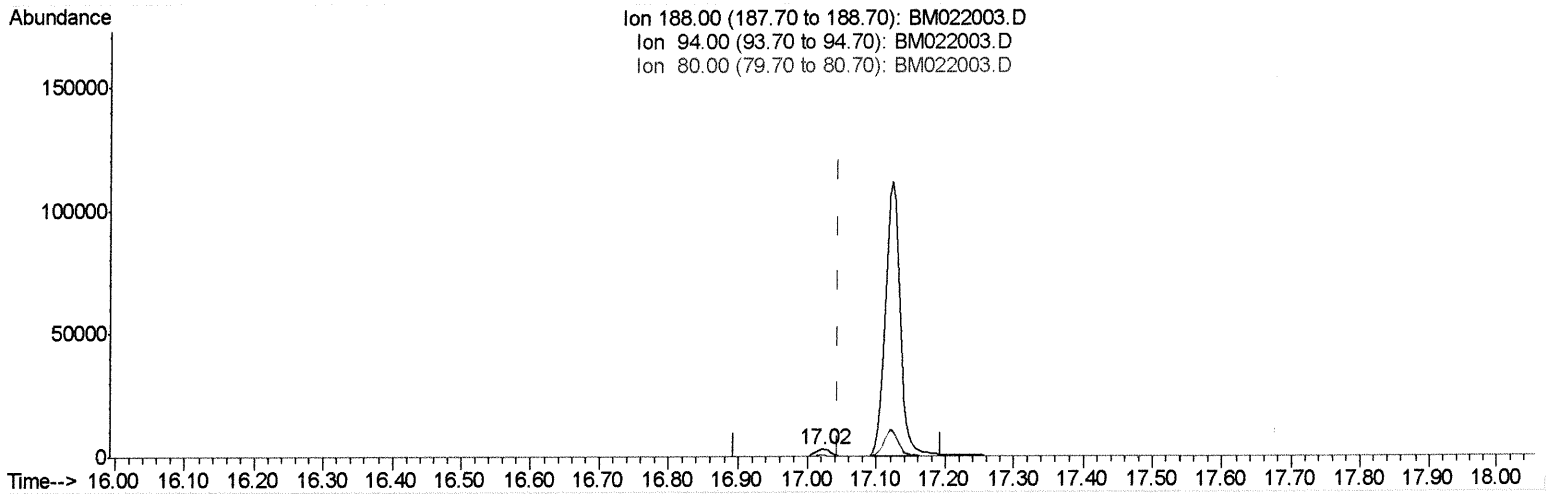
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:06 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.022min (-0.023) 0.40ng/ul m *JU 08/12/19*

response 4146

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.30
80.00	11.40	11.07
0.00	0.00	0.00

Quantitation Report (Qedit)

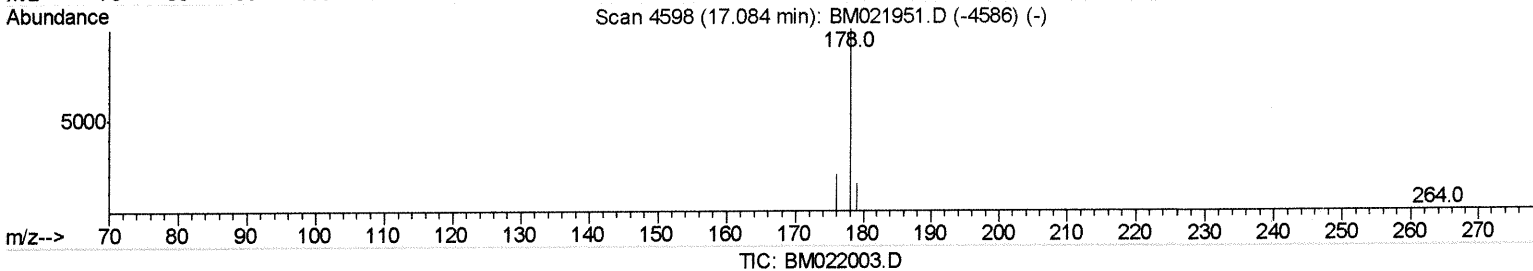
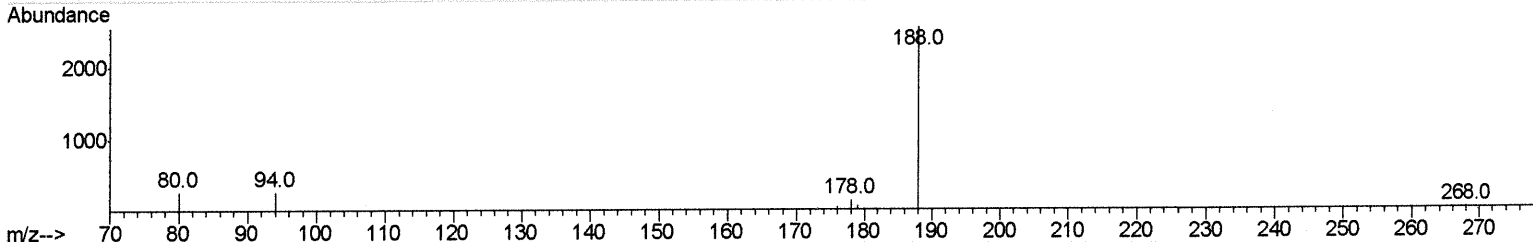
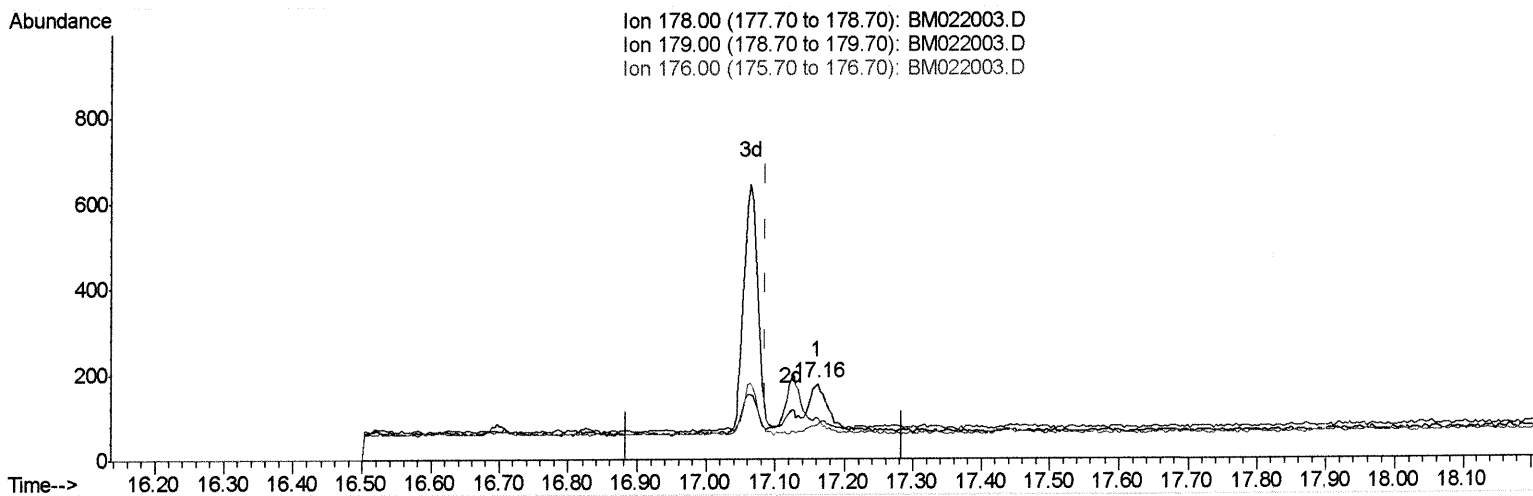
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.161min (+0.075) 0.02ng/ul

response 204

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	55.11#
176.00	21.00	46.59#
0.00	0.00	0.00

Quantitation Report (Qedit)

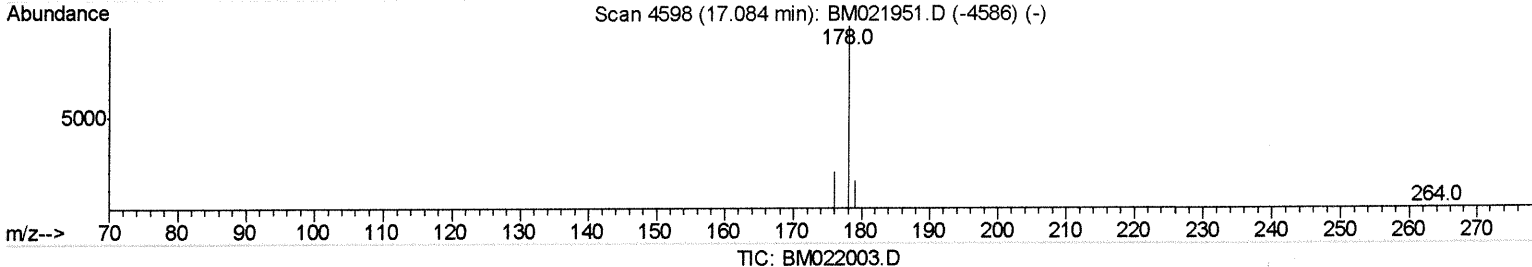
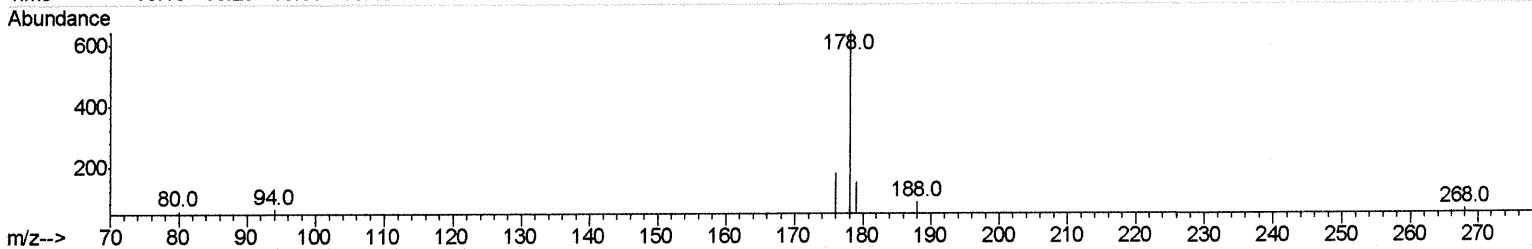
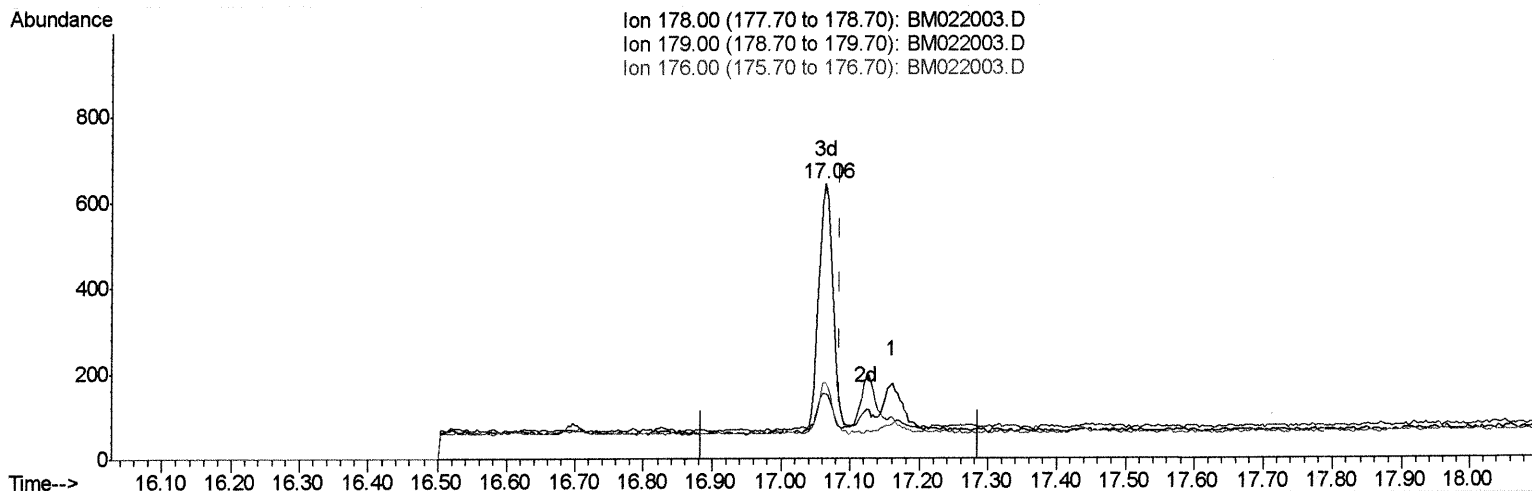
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.063min (-0.023) 0.07ng/ul m *JU 08/12/19*

response 835

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	23.64#
176.00	21.00	27.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

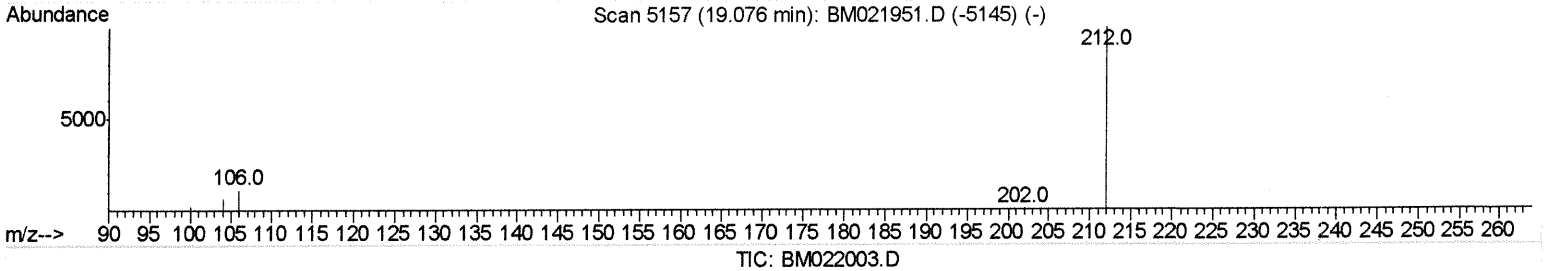
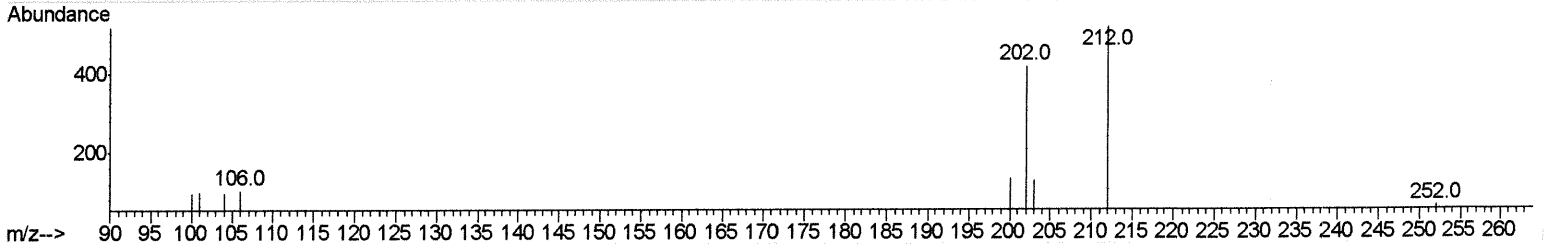
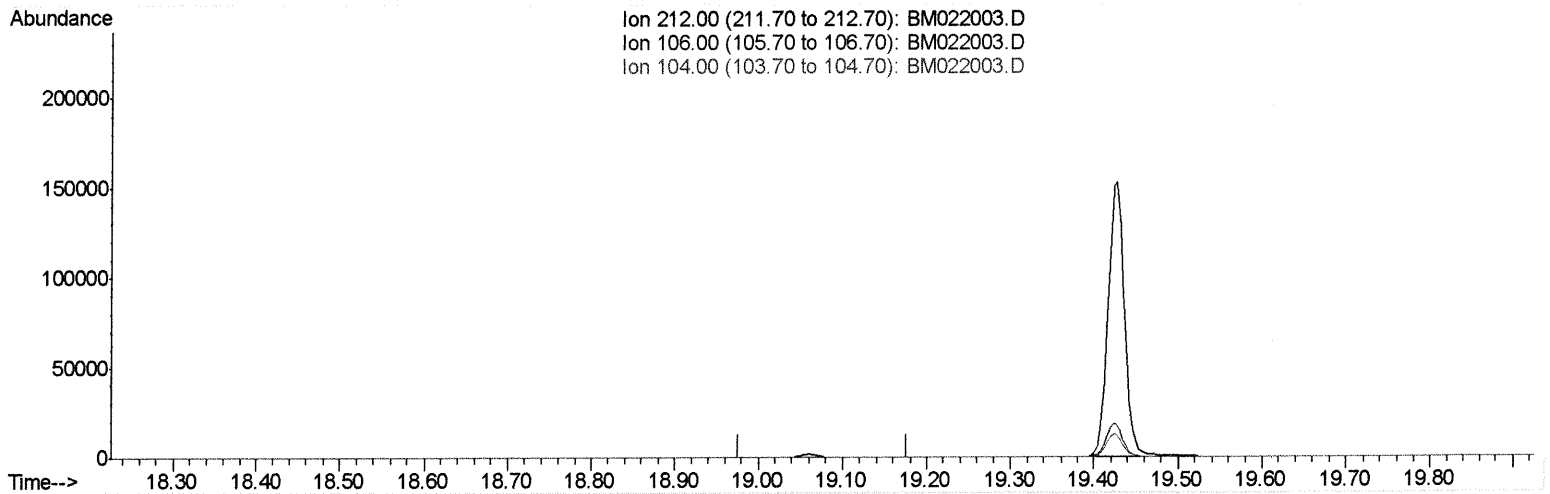
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENT3

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.077min (-19.077) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

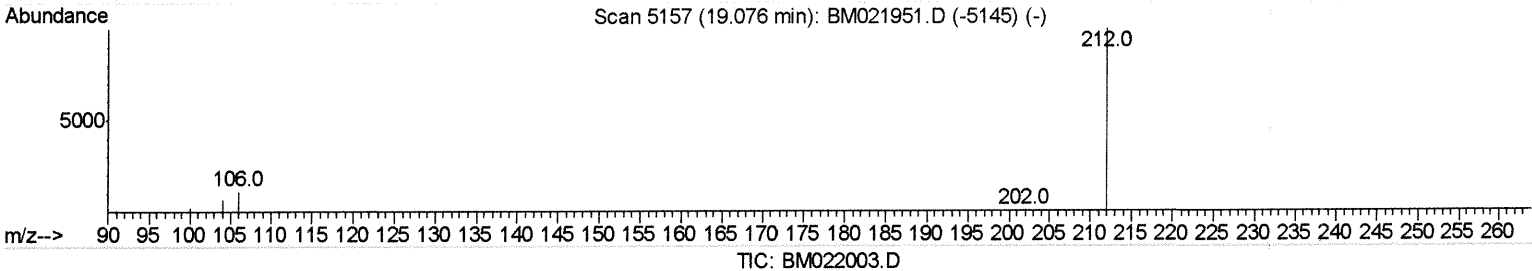
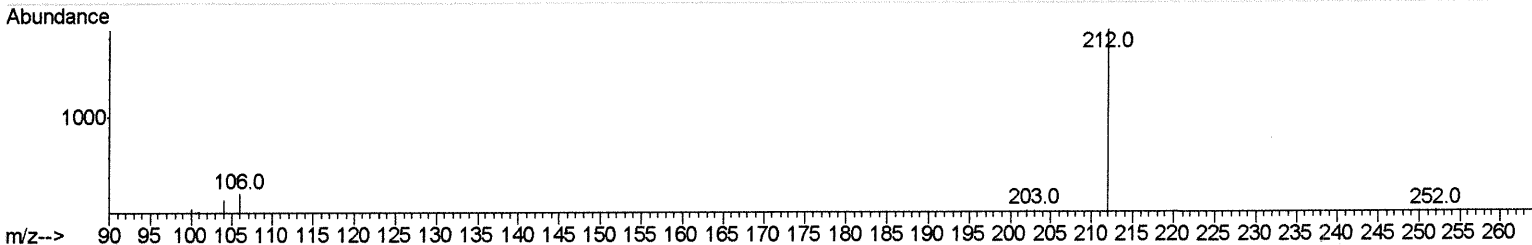
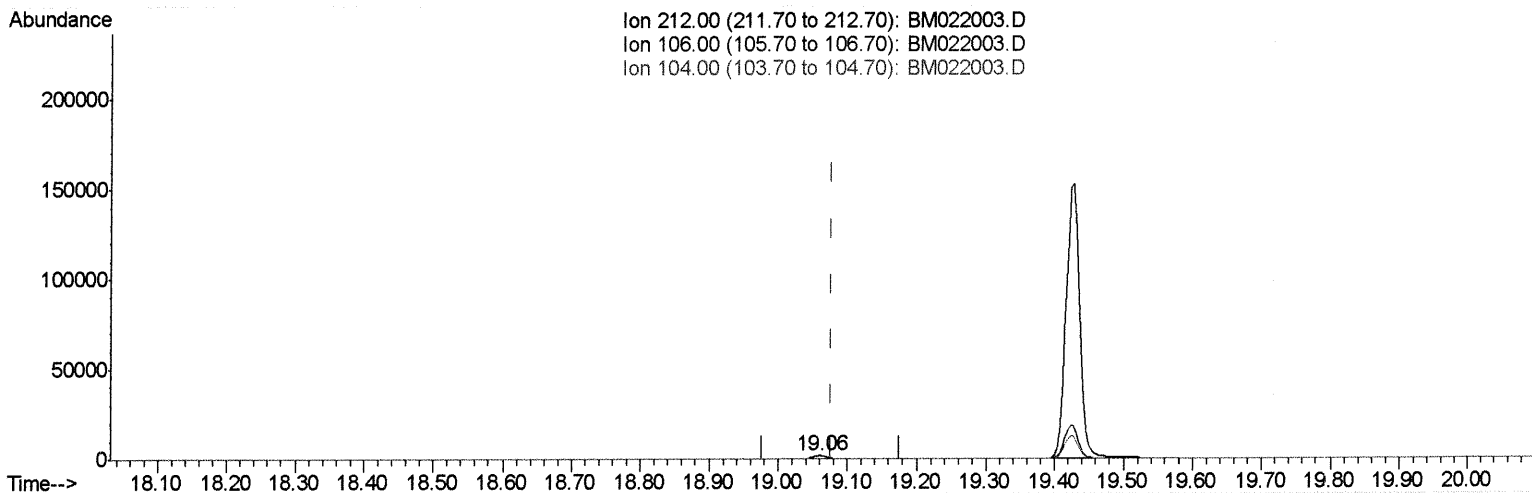
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.060min (-0.017) 0.20ng/ul m

JU
8/12/19

response 2746

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

Quantitation Report (Qedit)

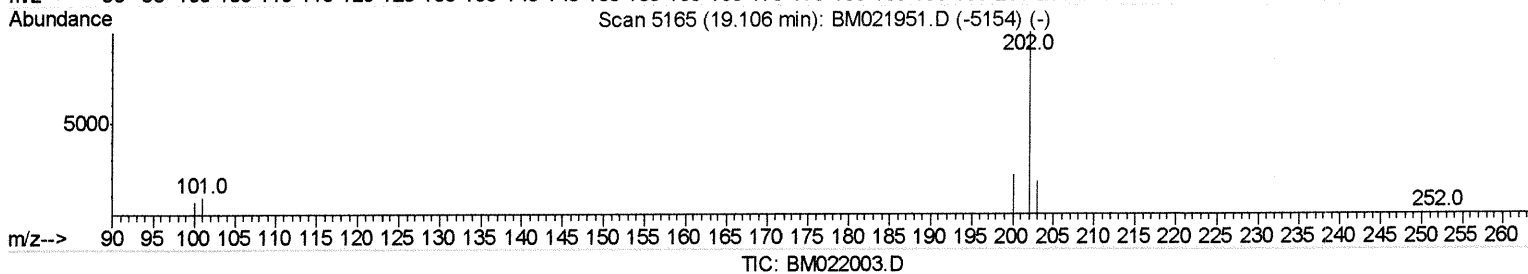
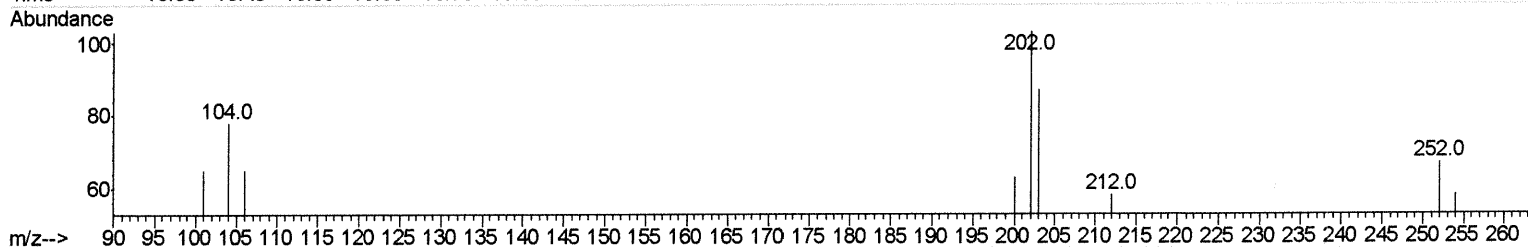
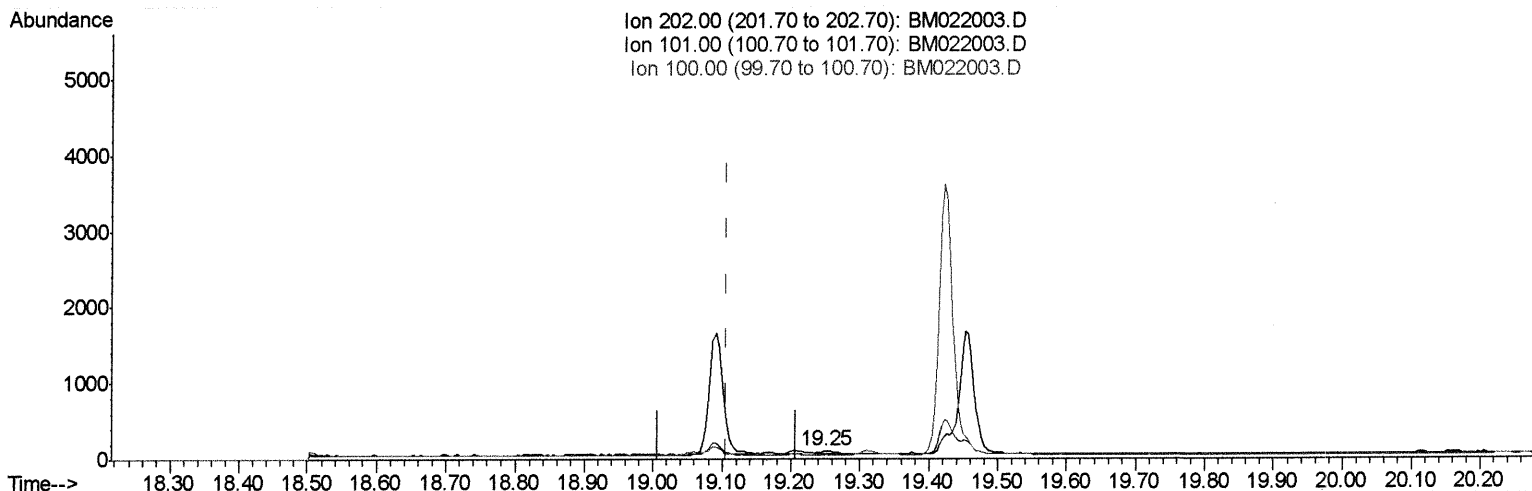
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
Data File : BM022003.D
Acq On : 10 Aug 2019 18:54
Operator : HP/JU
Sample : K4041-09
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENT3

Manual Integrations
APPROVED

Sohil
8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.247min (+0.139) 0.00ng/ul

response 57

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	63.11#
100.00	8.10	51.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

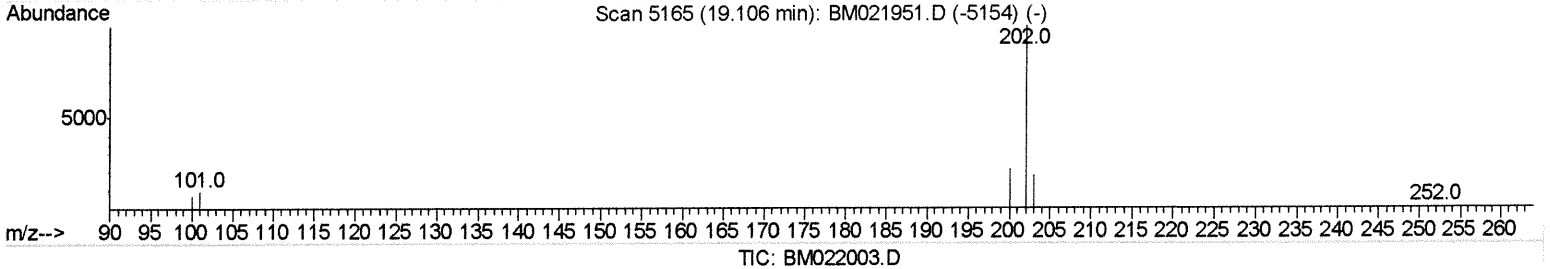
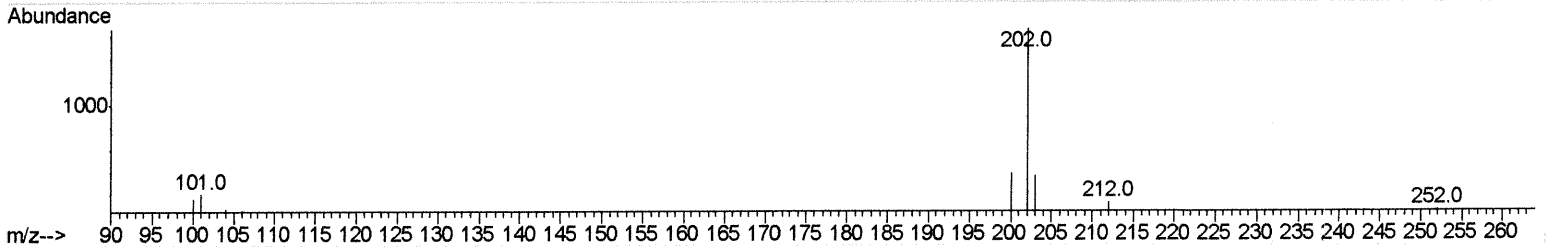
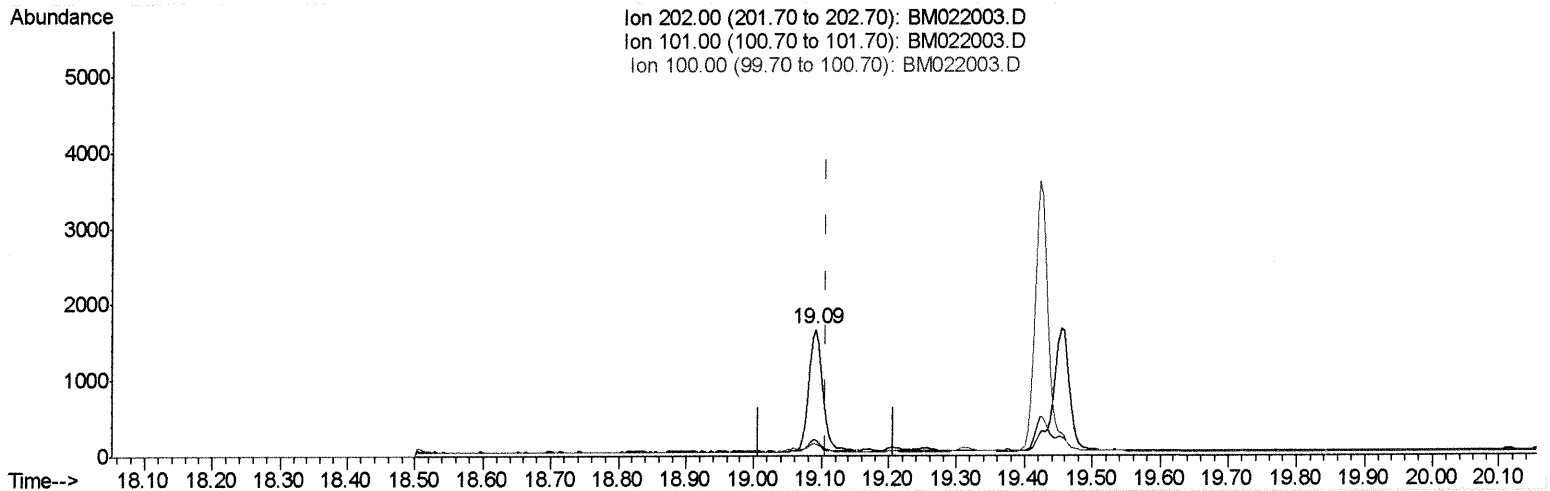
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.091min (-0.017) 0.14ng/ul m *50 08/12/19*

response 2307

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	12.52
100.00	8.10	9.95
0.00	0.00	0.00

Quantitation Report (Qedit)

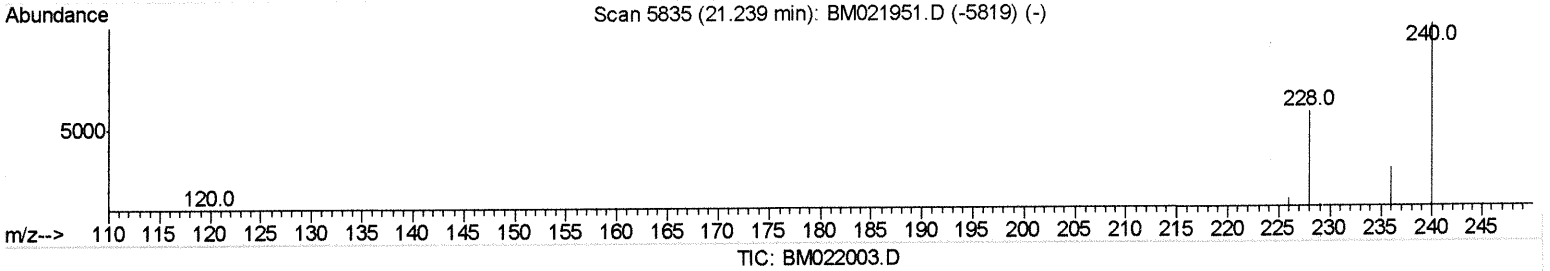
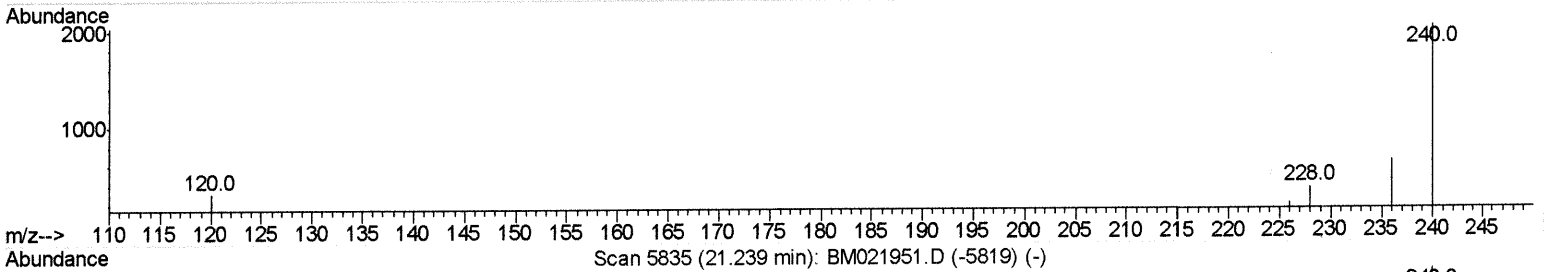
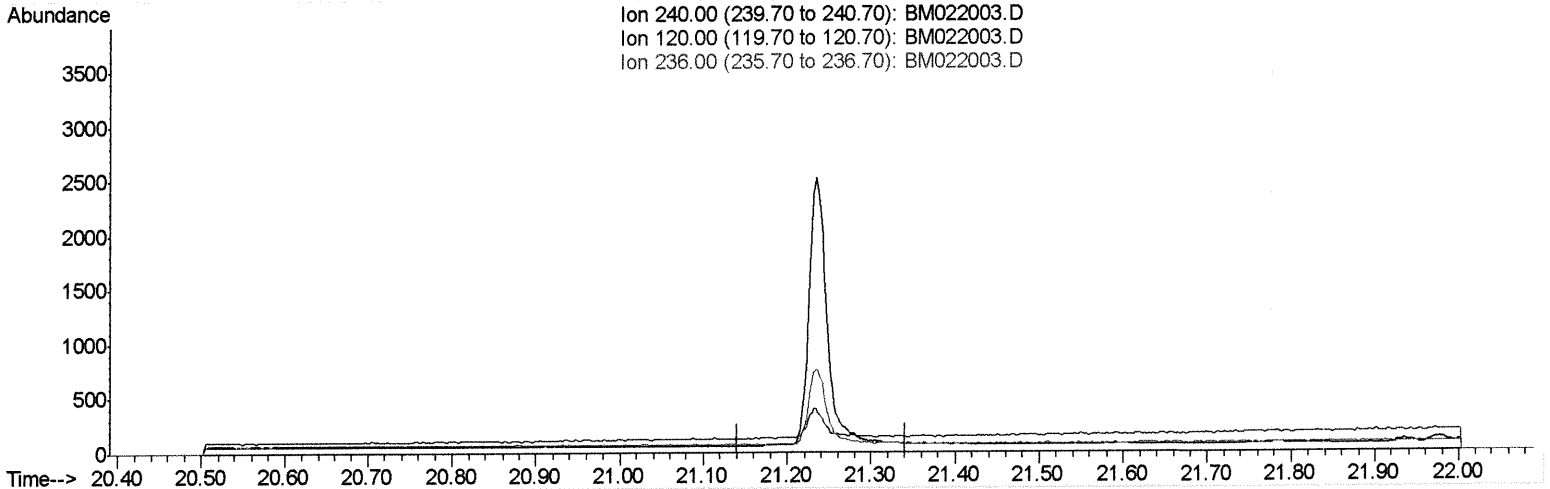
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 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)

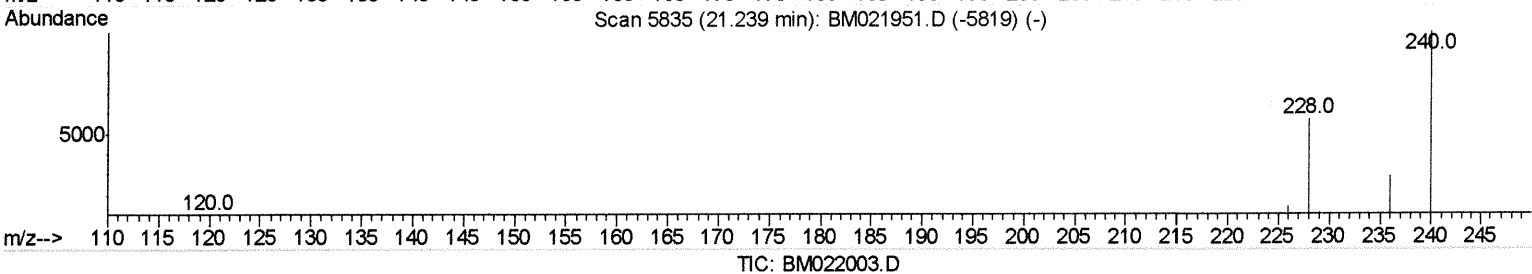
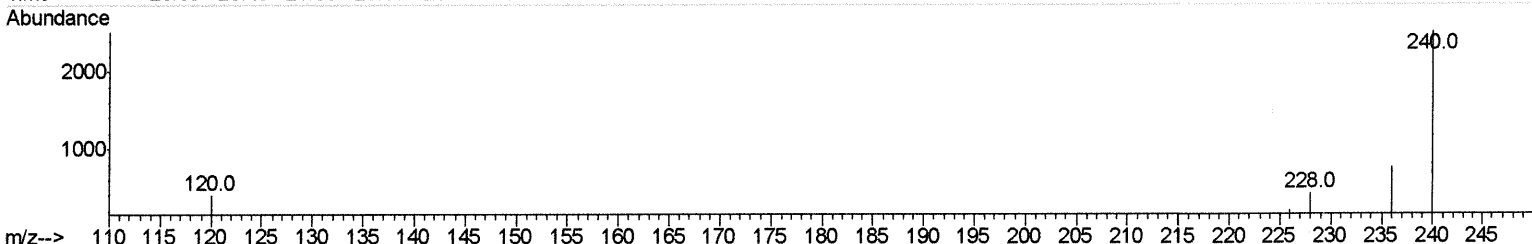
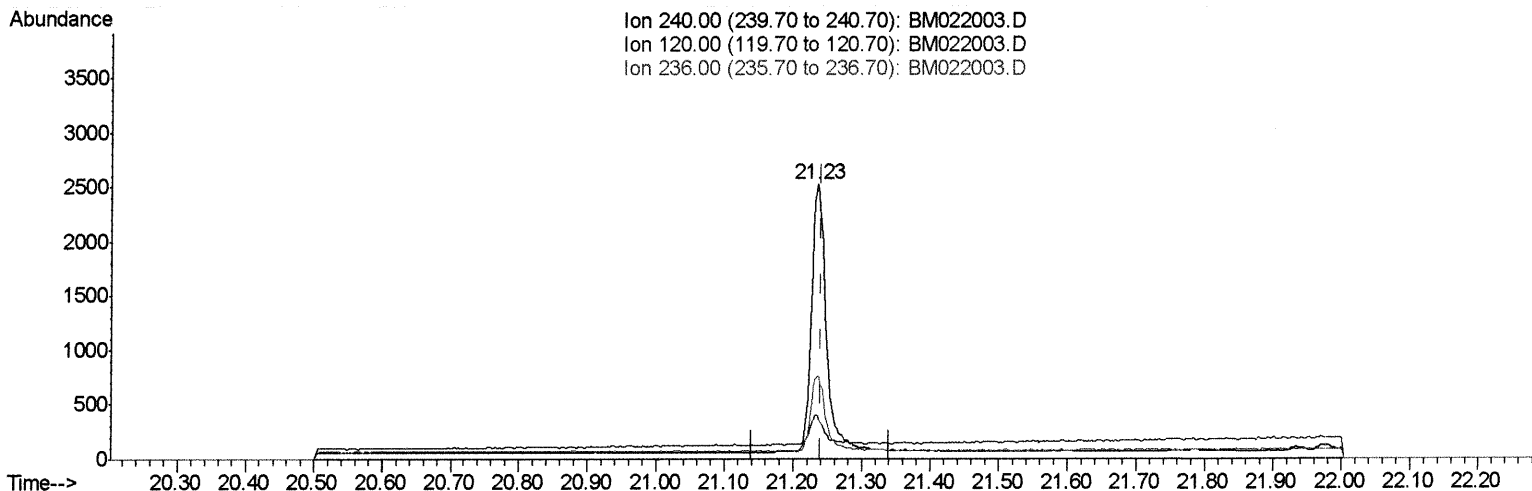
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:15:31 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.234min (-0.008) 0.40ng/ul m *JU 08/12/19*

response 3604

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.72
236.00	32.30	30.22
0.00	0.00	0.00

Quantitation Report (Qedit)

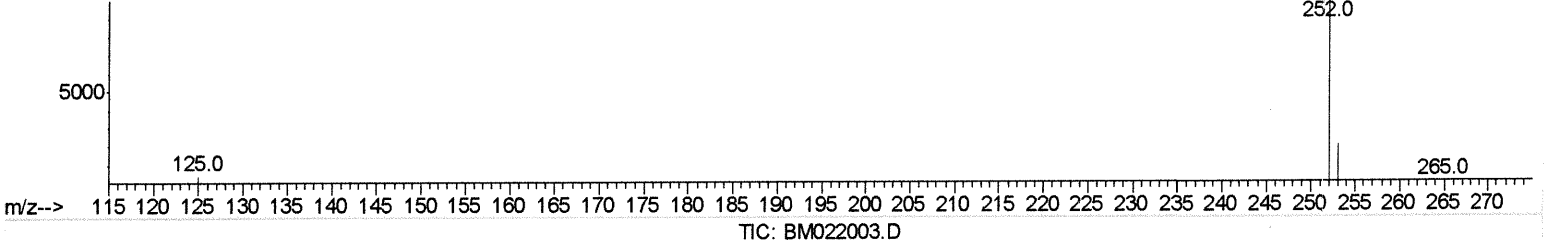
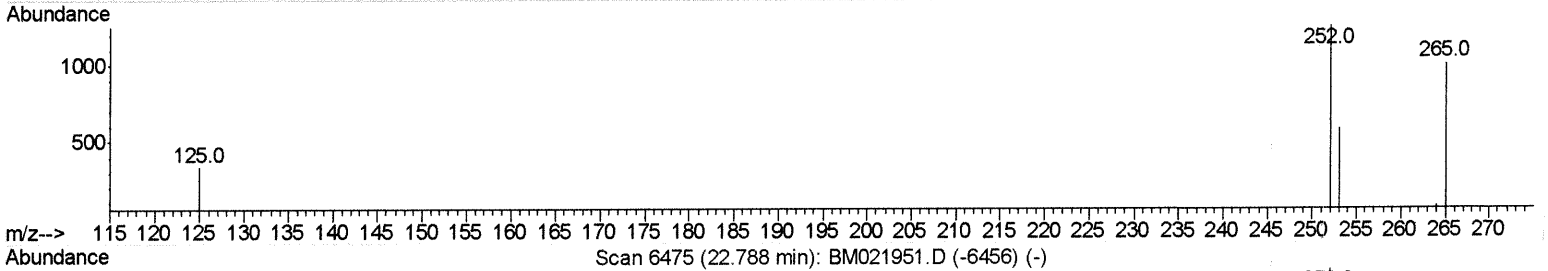
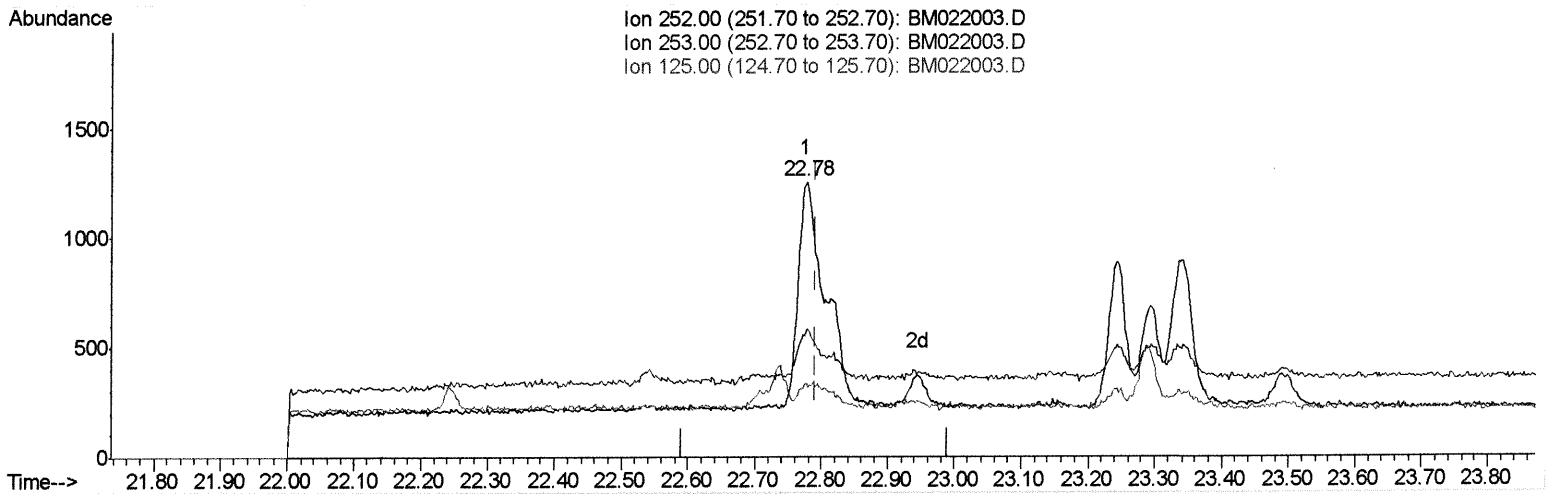
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 BENT3

Manual Integrations
APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:17:00 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene
 22.776min (-0.015) 0.19ng/ul

response 2952

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	46.29
125.00	15.50	26.90
0.00	0.00	0.00

Quantitation Report (Qedit)

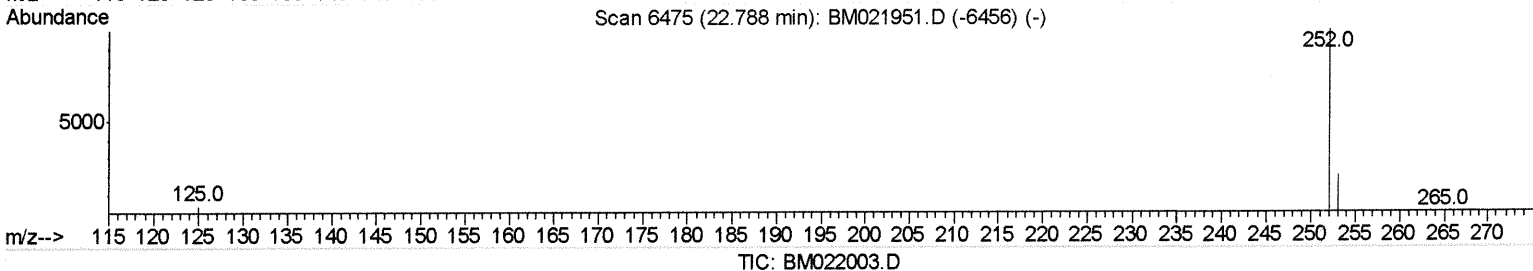
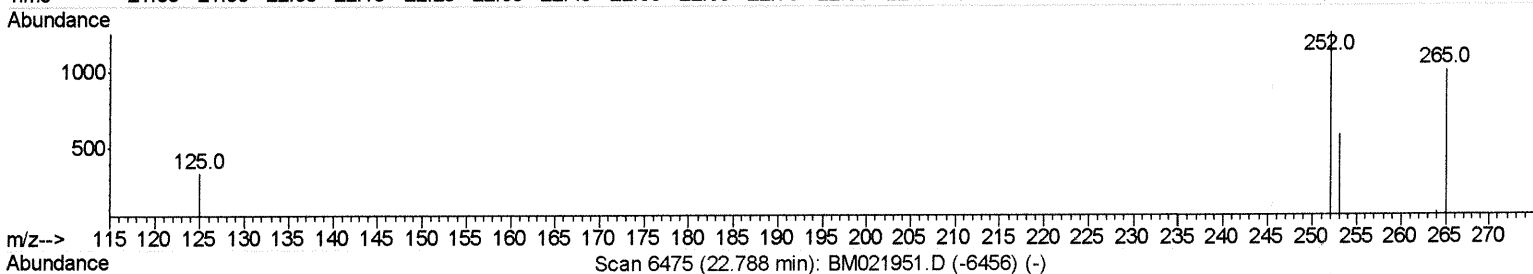
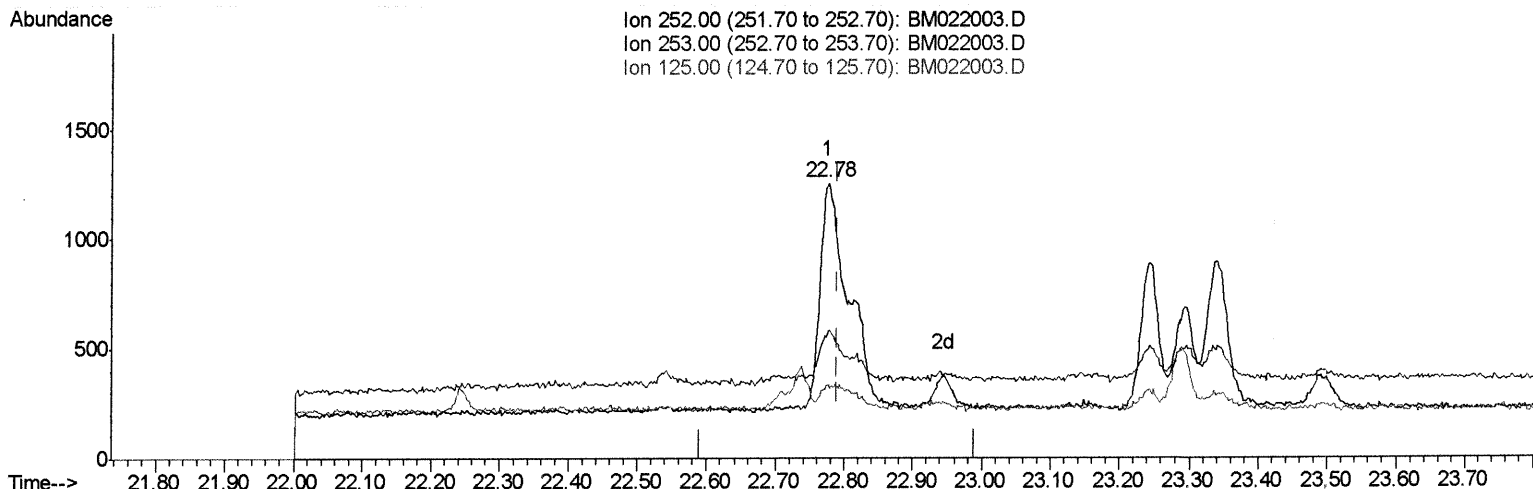
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:17:00 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.776min (-0.015) 0.13ng/ul m *JU* 08/12/19

response 2114

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	46.29
125.00	15.50	26.90
0.00	0.00	0.00

Quantitation Report (Qedit)

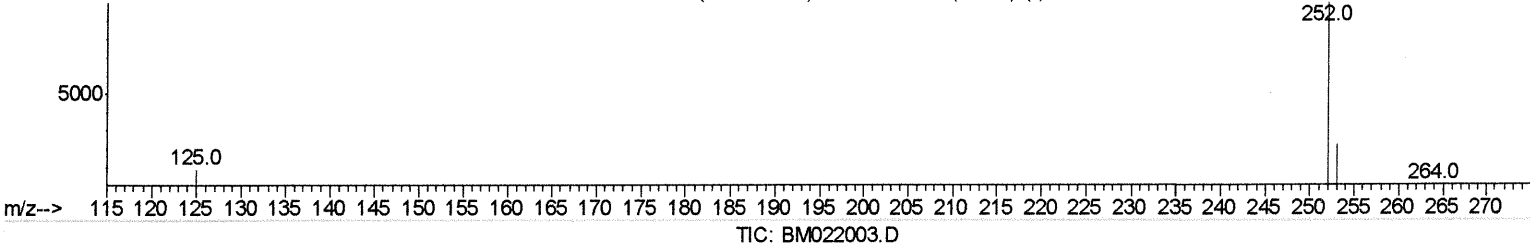
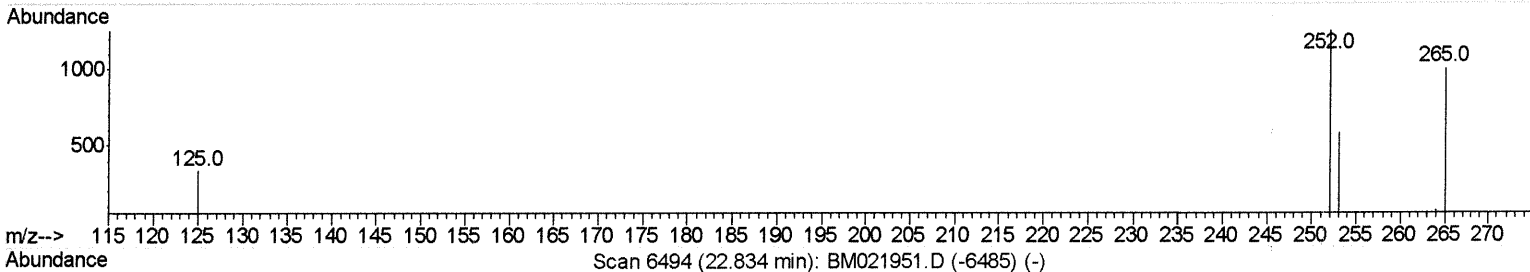
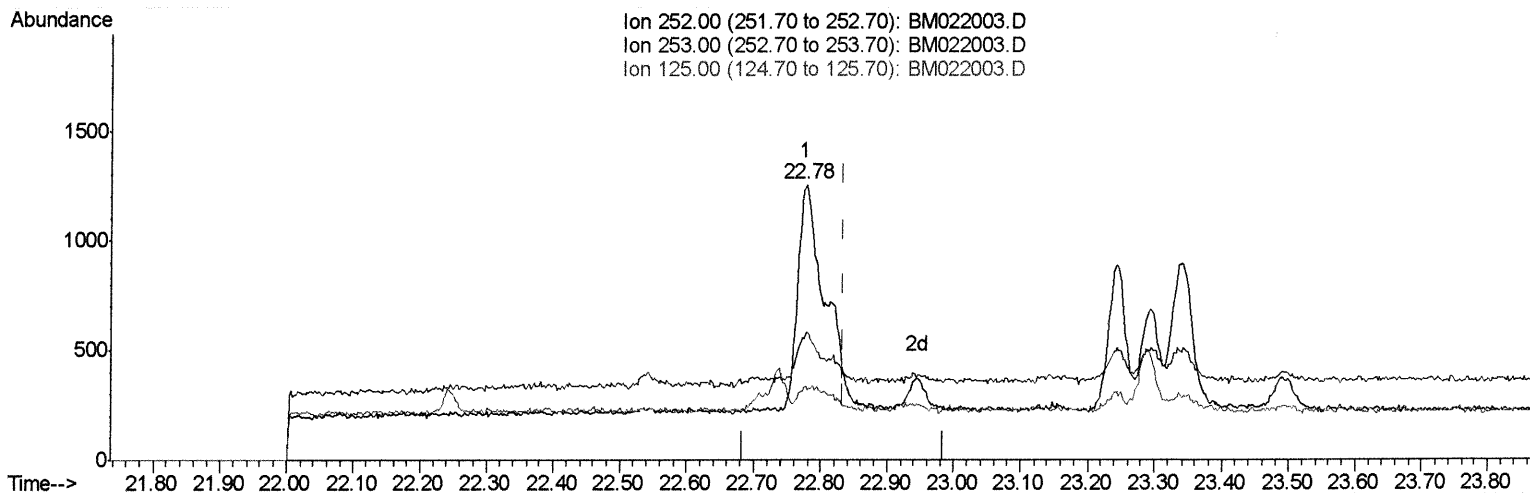
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:17:00 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene
 22.776min (-0.058) 0.17ng/ul
 response 2952

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	46.29#
125.00	15.20	26.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

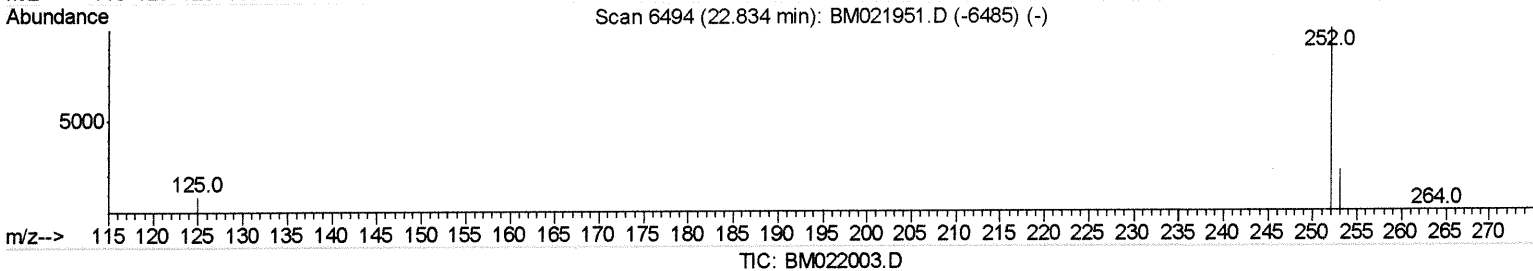
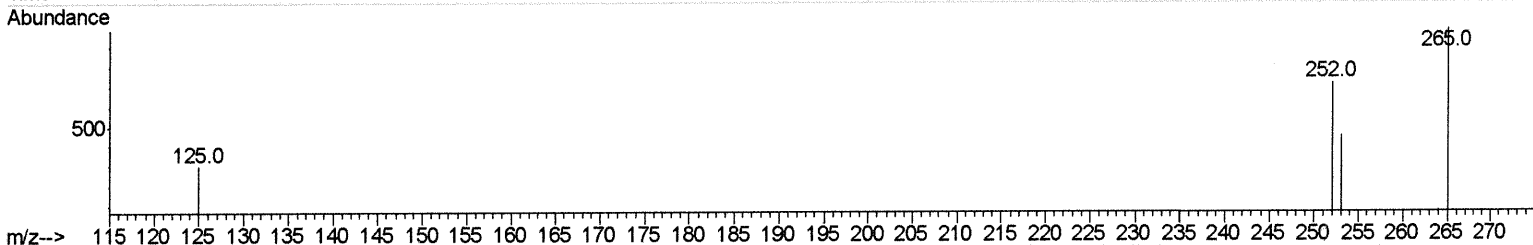
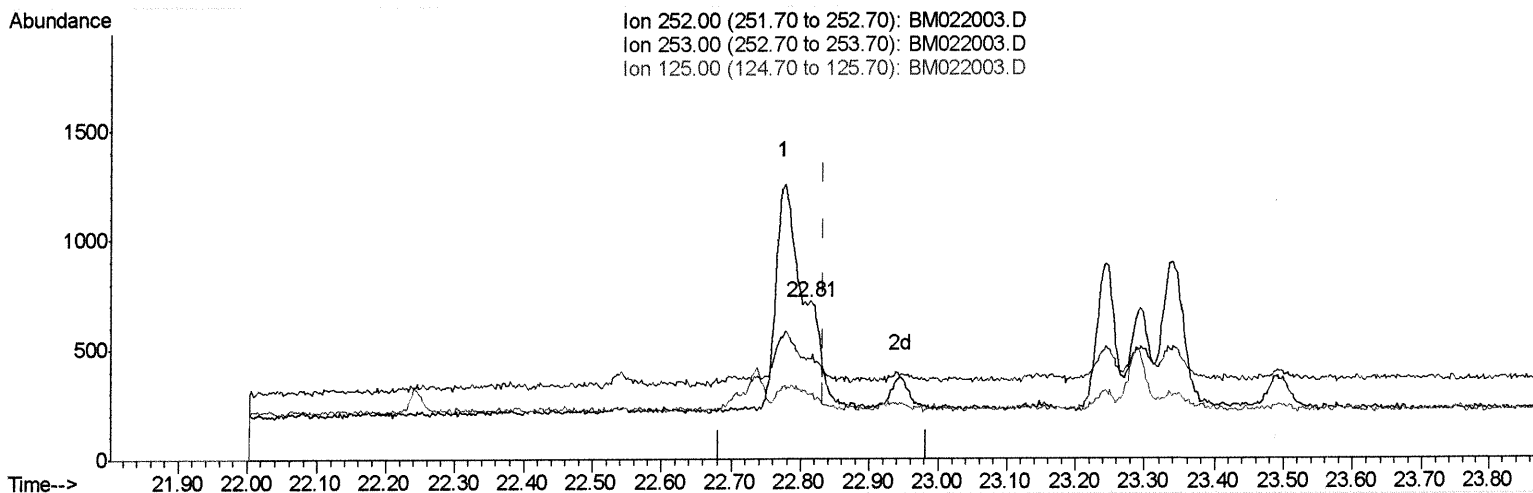
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM080919\
 Data File : BM022003.D
 Acq On : 10 Aug 2019 18:54
 Operator : HP/JU
 Sample : K4041-09
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENT3

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:17:00 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 : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.812min (-0.022) 0.05ng/ul m *JU 08/12/19*

response 852

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	63.60#
125.00	15.20	41.70#
0.00	0.00	0.00

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Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:46:55 AM

Quant Time: Aug 11 02:18:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	775	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	3298	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	1788	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	4146m →	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	3604m →	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	4679	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1052	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	2746m →	0.20	ng/ul	-0.02

Target Compounds				Ovalue		
7) Acenaphthylene	13.99	152	198	0.024	ng/ul#	52
12) Phenanthrene	17.06	178	835m	0.069	ng/ul	
15) Fluoranthene	19.09	202	2307m	0.143	ng/ul	
17) Pyrene	19.45	202	2684	0.181	ng/ul#	83
18) Benzo(a)anthracene	21.22	228	1287	0.100	ng/ul#	86
19) Chrysene	21.27	228	1368	0.083	ng/ul#	89
21) Benzo(b)fluoranthene	22.78	252	2114m →	0.134	ng/ul	70
22) Benzo(k)fluoranthene	22.81	252	852m →	0.048	ng/ul	96
23) Benzo(a)pyrene	23.34	252	1286	0.080	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	1109	0.058	ng/ul#	
26) Benzo(a,h,i)perylene	26.35	276	1178	0.068	ng/ul#	

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