

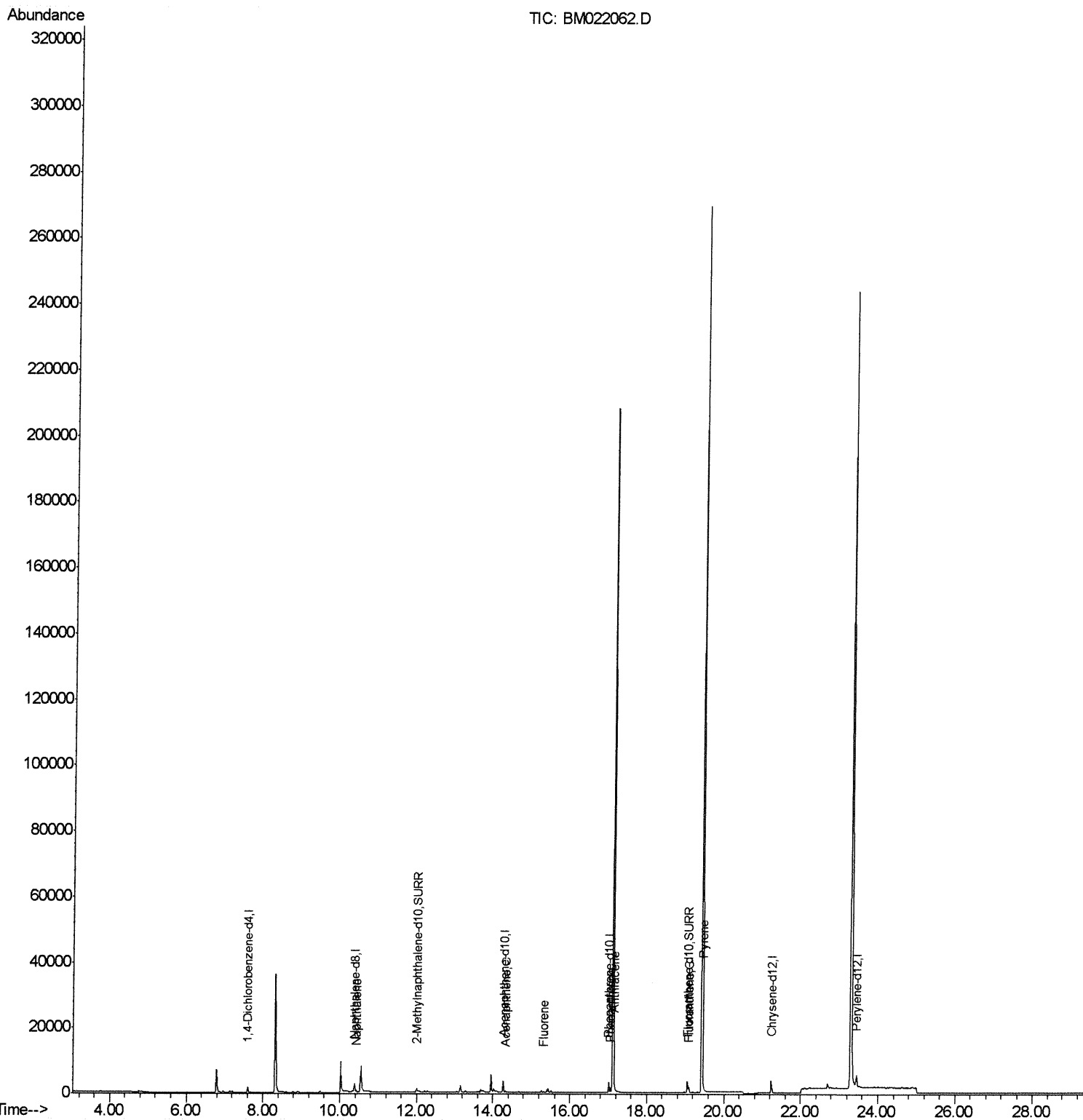
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022062.D
Acq On : 13 Aug 2019 10:14
Operator : HP/JU
Sample : K4117-09
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JLLF7

Manual Integrations
APPROVED

mohammad
8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:10:19 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 : Tue Aug 13 08:25:01 2019
Response via : Initial Calibration



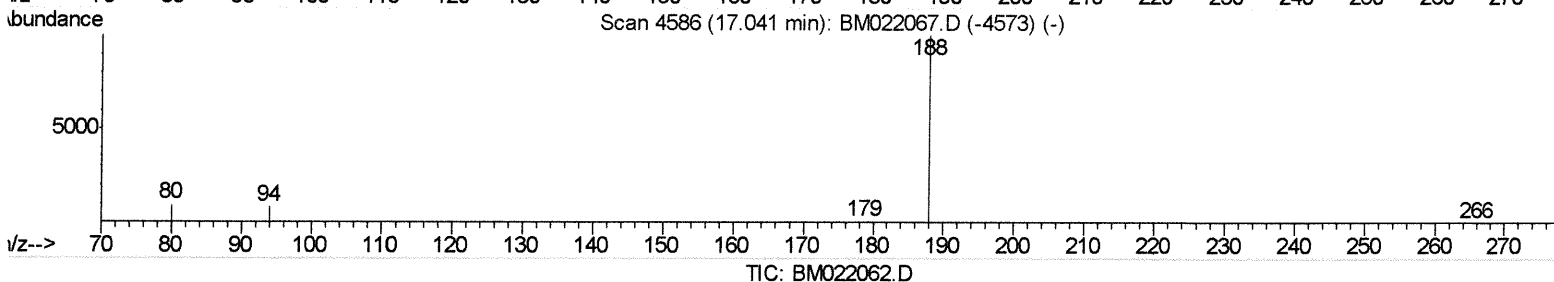
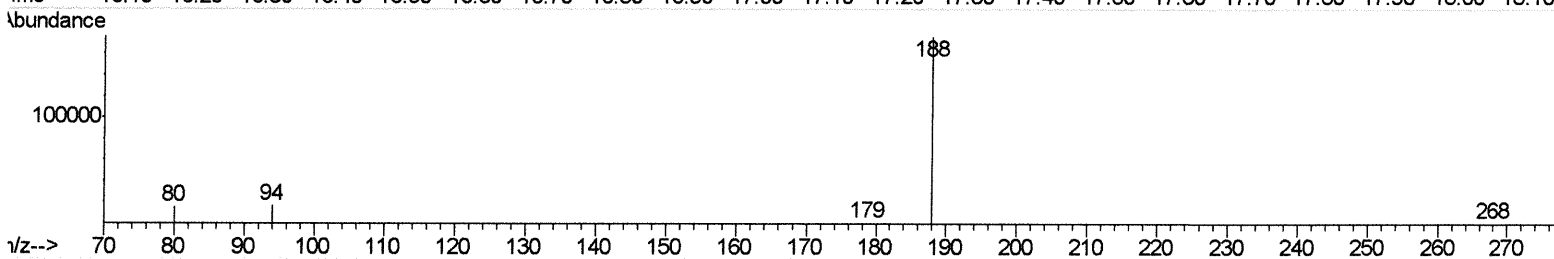
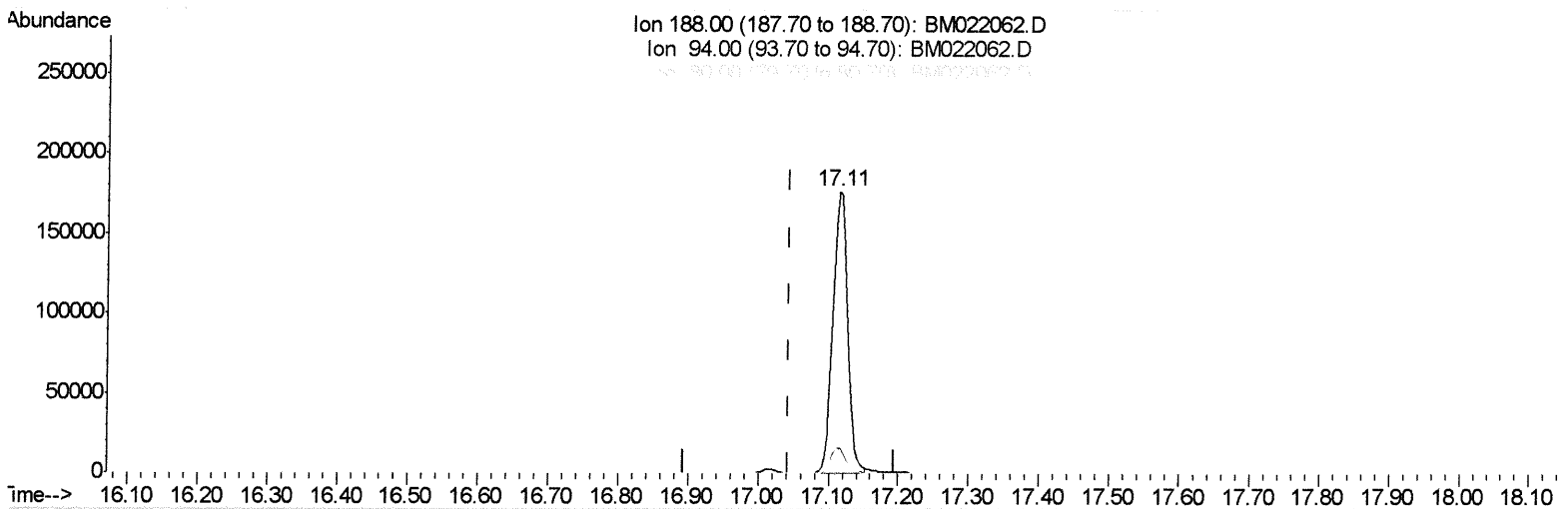
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
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Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:05:22 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.114min (+0.069) 0.40ng/ul

response 255090

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.30
80.00	11.40	8.82#
0.00	0.00	0.00

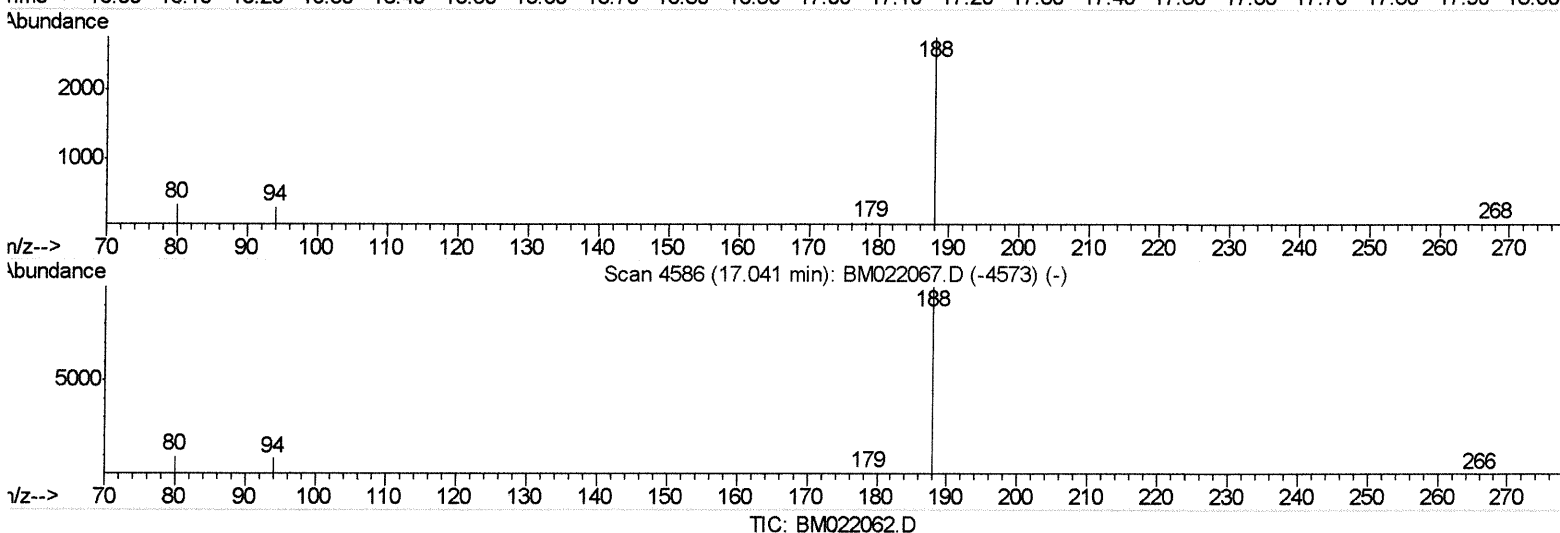
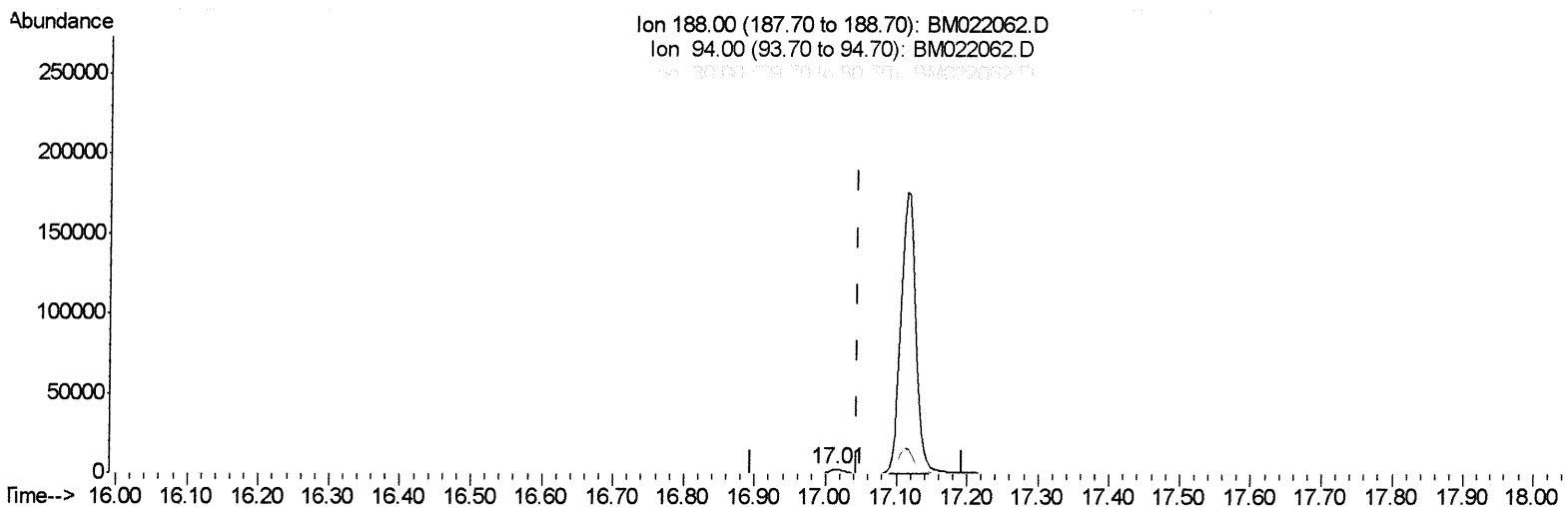
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:05:22 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.013min (-0.031) 0.40ng/ul m

JU
 08/14/19

response 4124

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.82
80.00	11.40	11.98
0.00	0.00	0.00

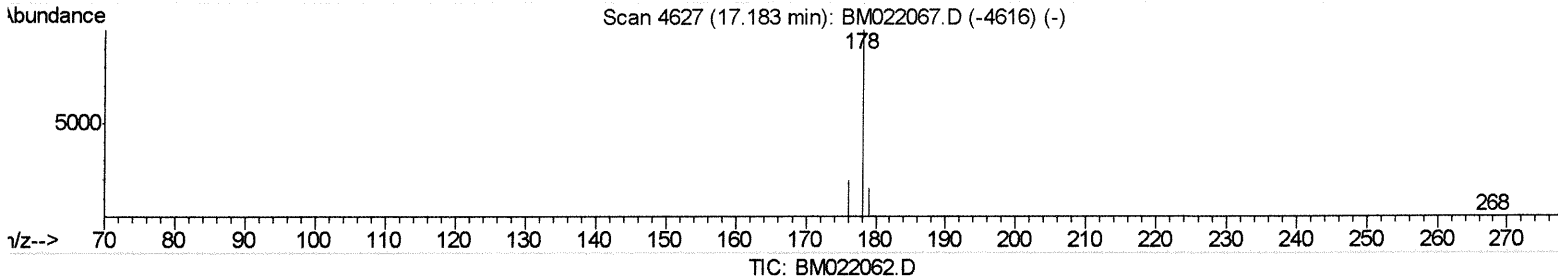
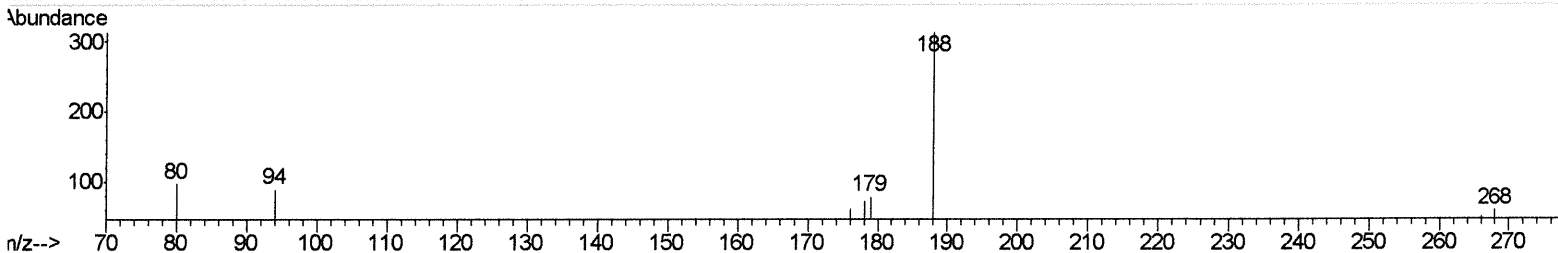
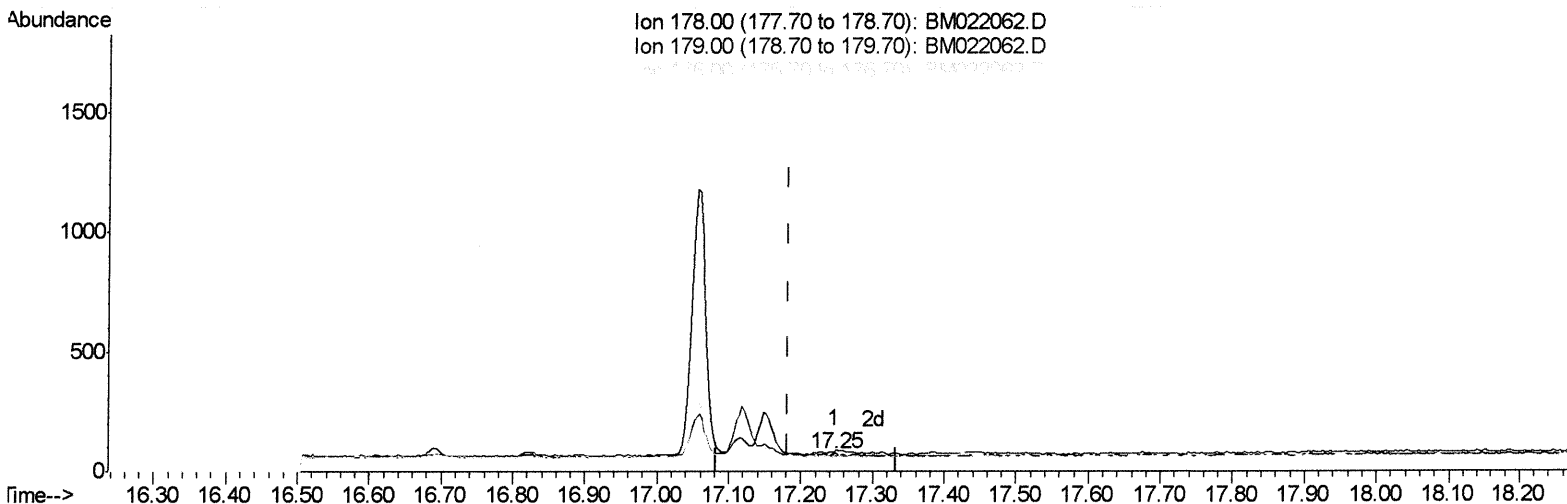
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(13) Anthracene

17.246min (+0.063) 0.00ng/ul

response 9

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	106.76#
176.00	20.80	83.78#
0.00	0.00	0.00

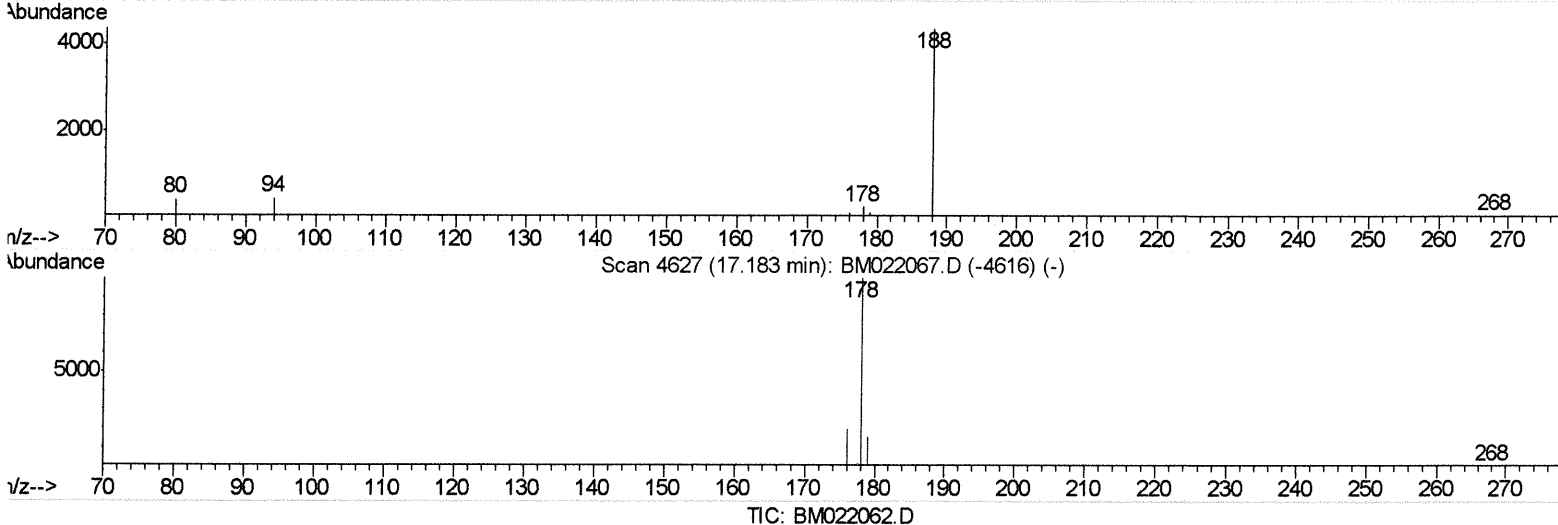
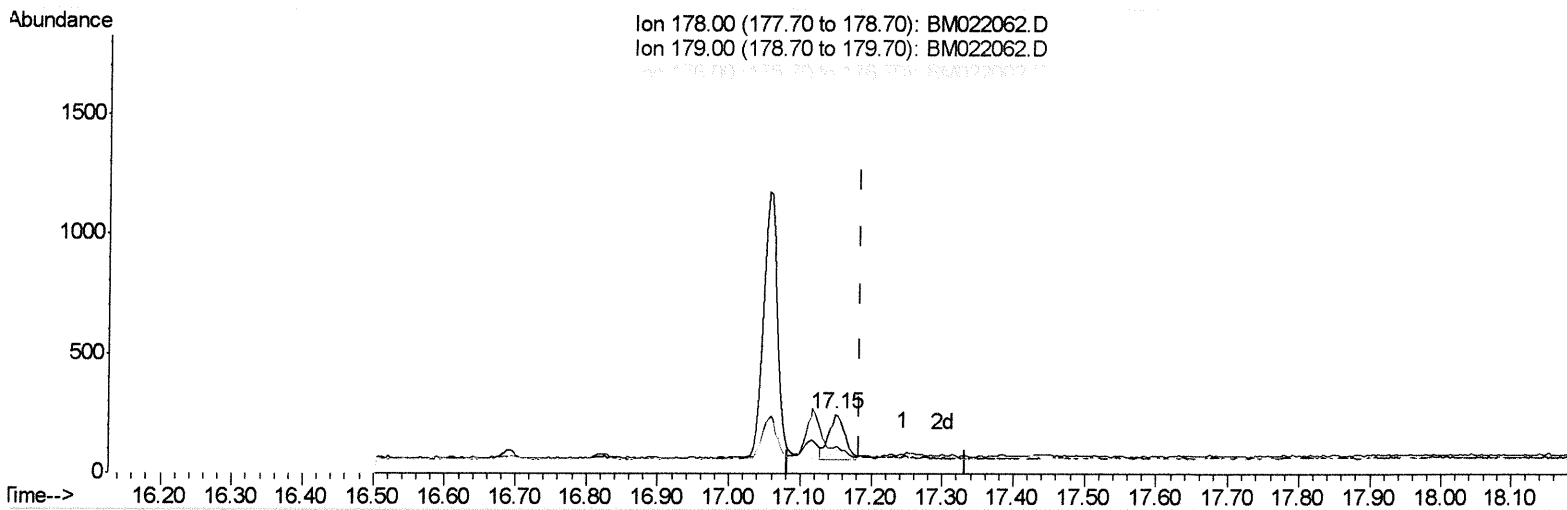
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(13) Anthracene

17.148min (-0.035) 0.03ng/ul m *JU* 08/14/19

response 299

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	44.94#
176.00	20.80	38.87#
0.00	0.00	0.00

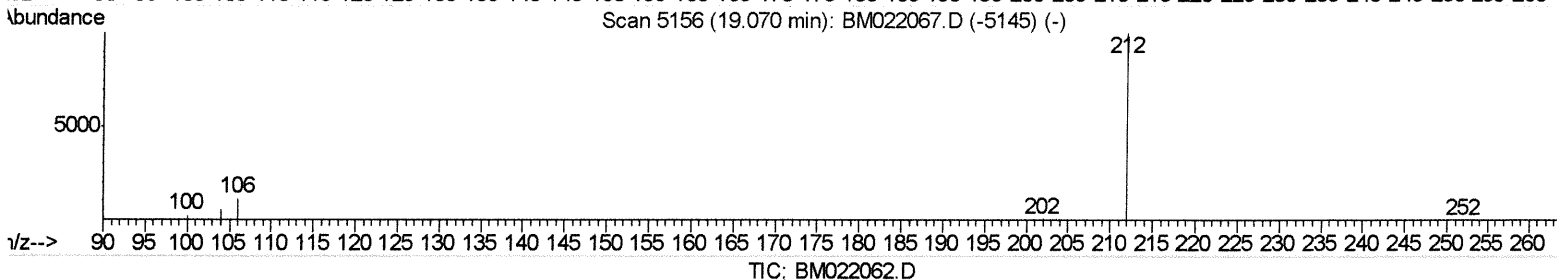
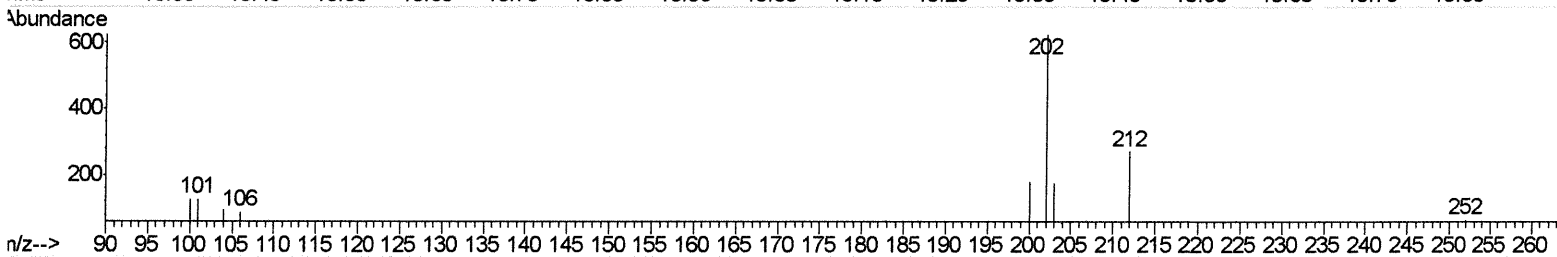
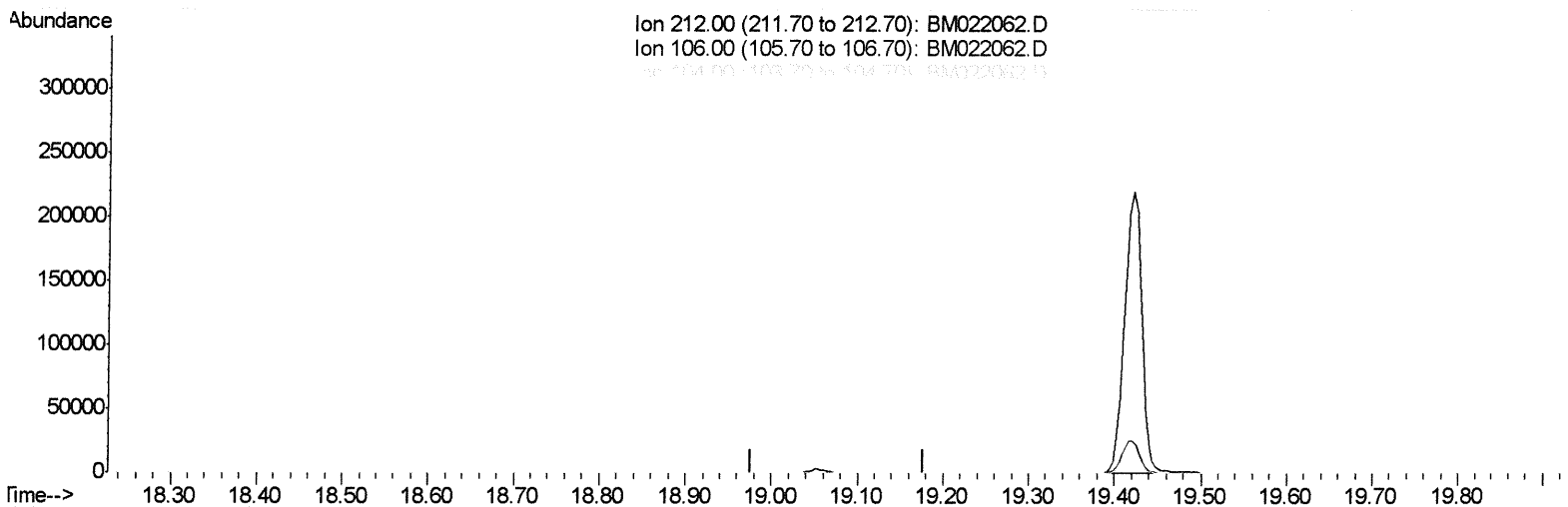
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 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

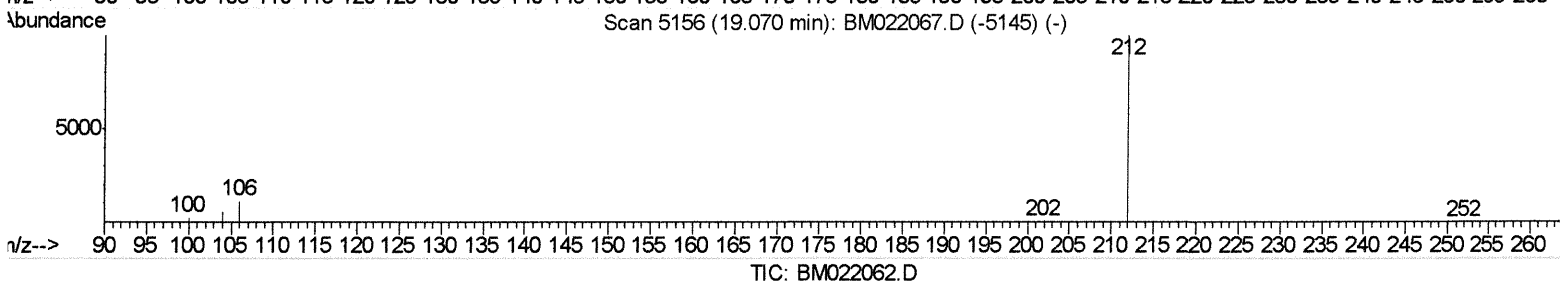
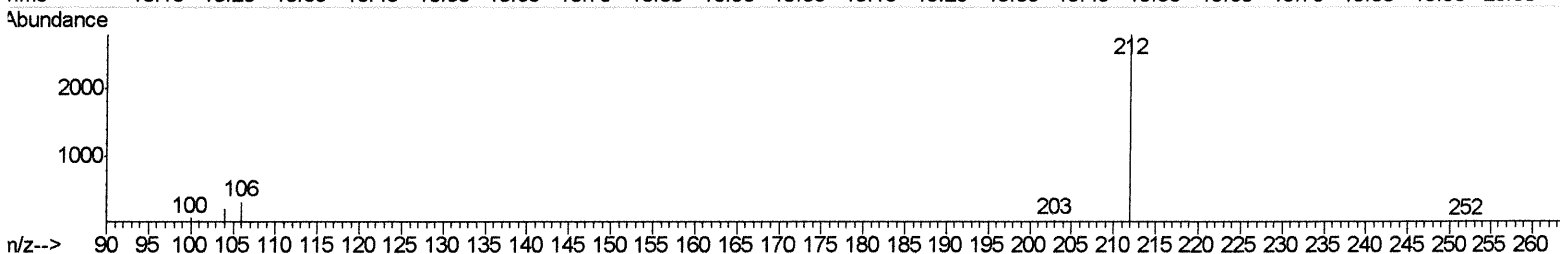
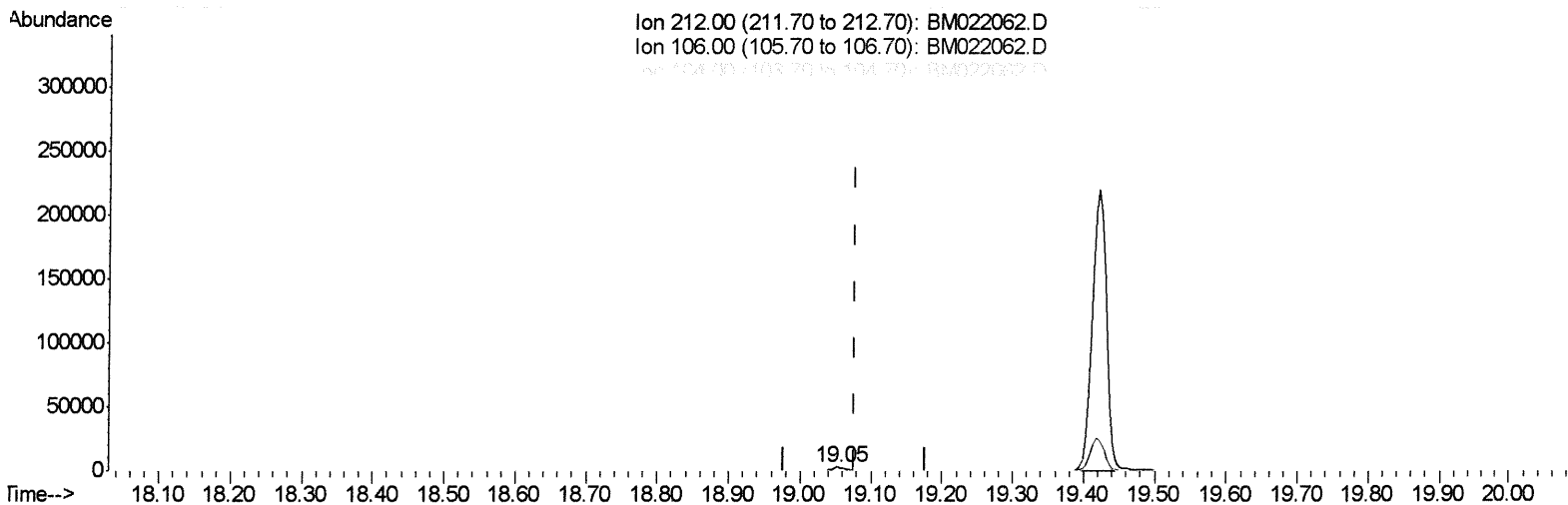
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.054min (-0.023) 0.28ng/ul m

JU
 08/14/19

response 3828

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

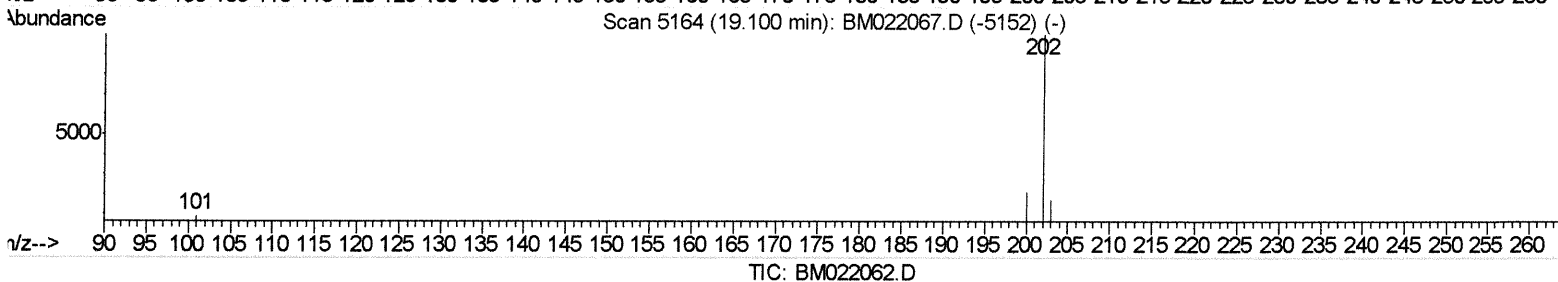
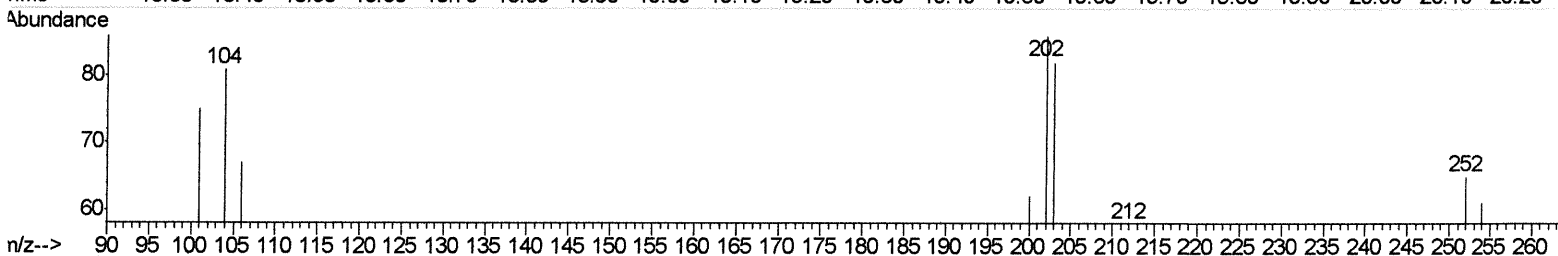
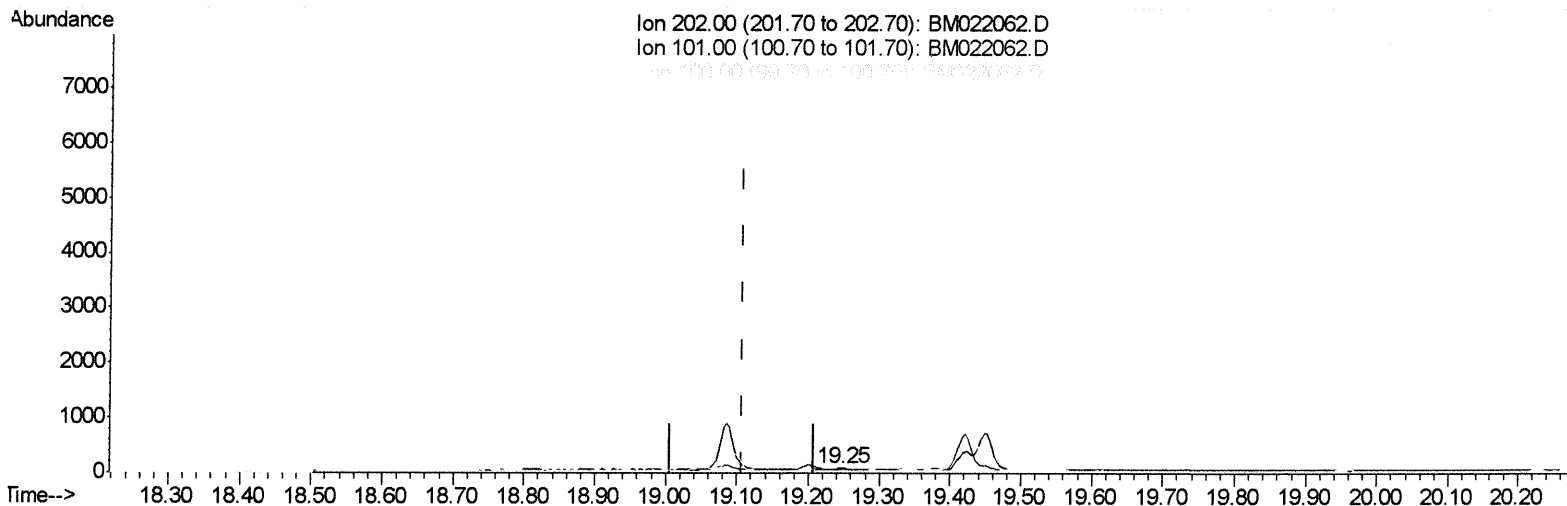
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.245min (+0.137) 0.00ng/ul

response 48

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	87.21#
100.00	8.10	67.44#
0.00	0.00	0.00

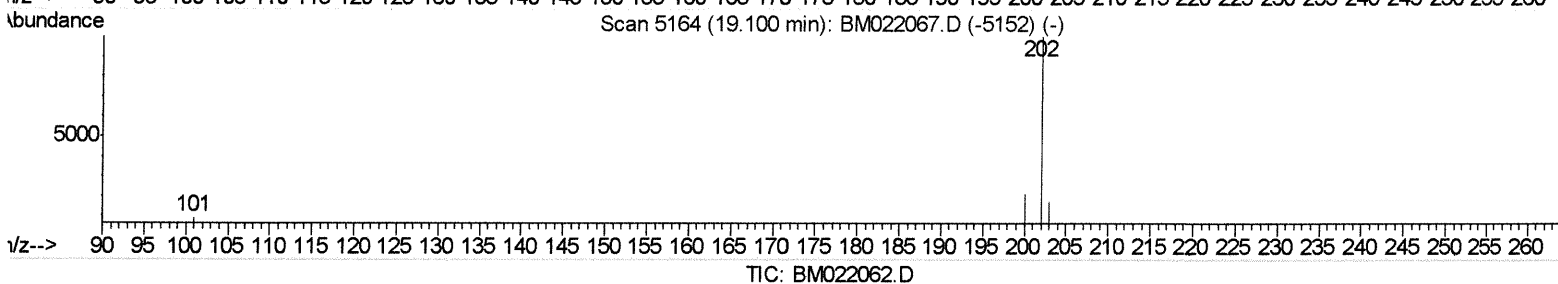
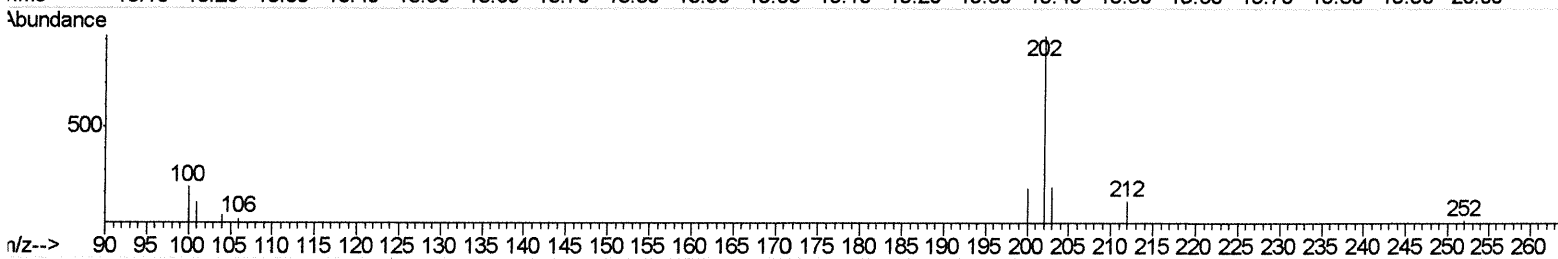
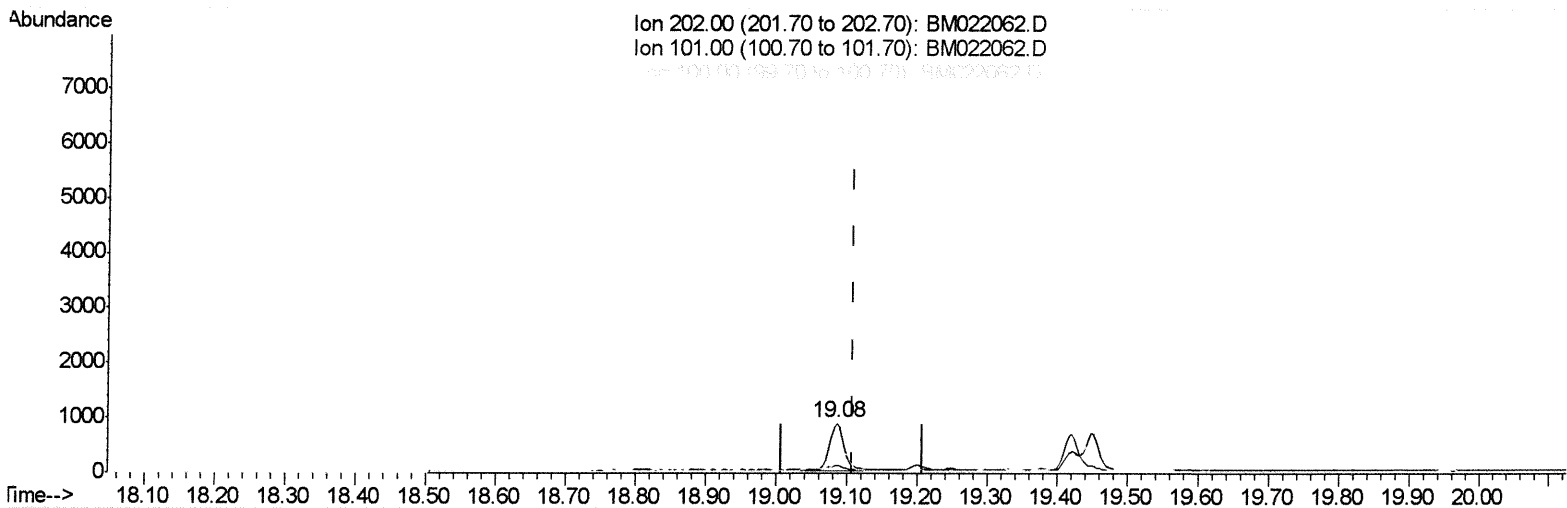
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.085min (-0.023) 0.08ng/ul m *JU 08/14/19*

response 1263

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	16.39
100.00	8.10	24.04
0.00	0.00	0.00

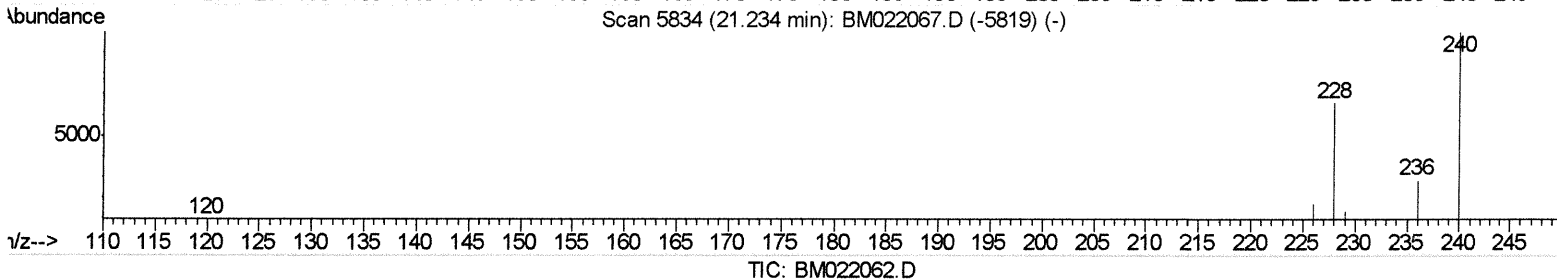
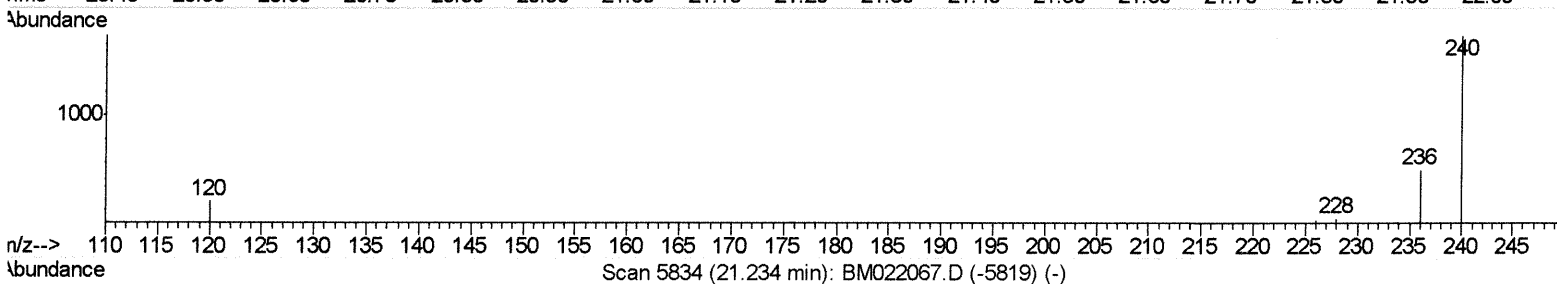
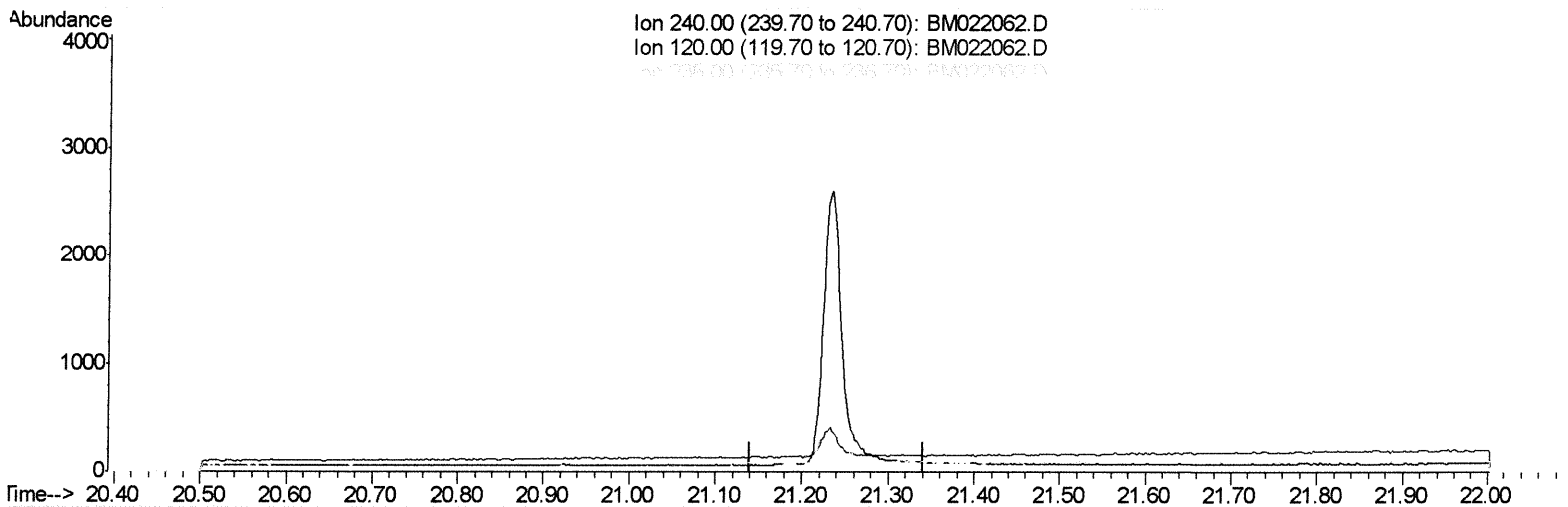
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 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

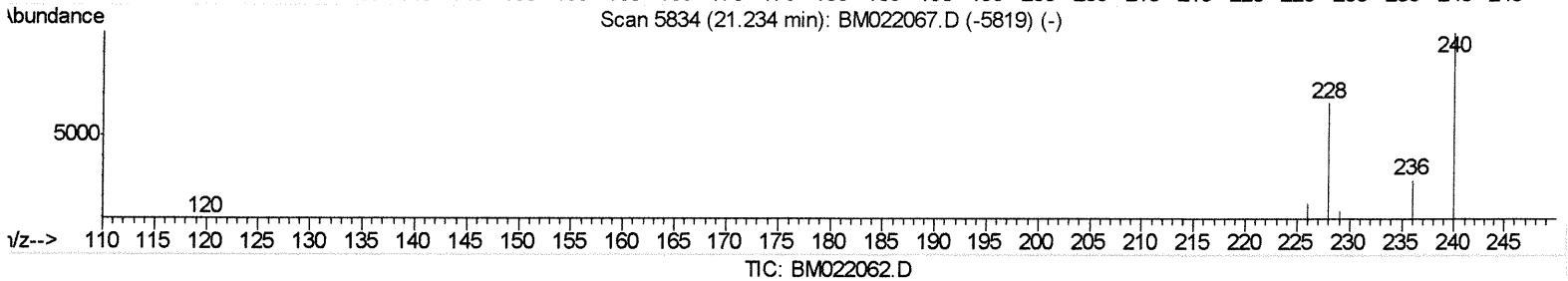
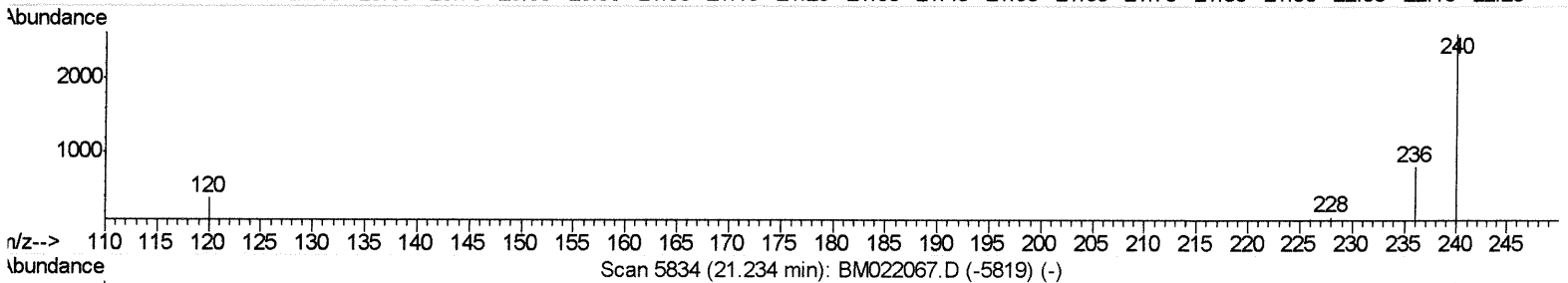
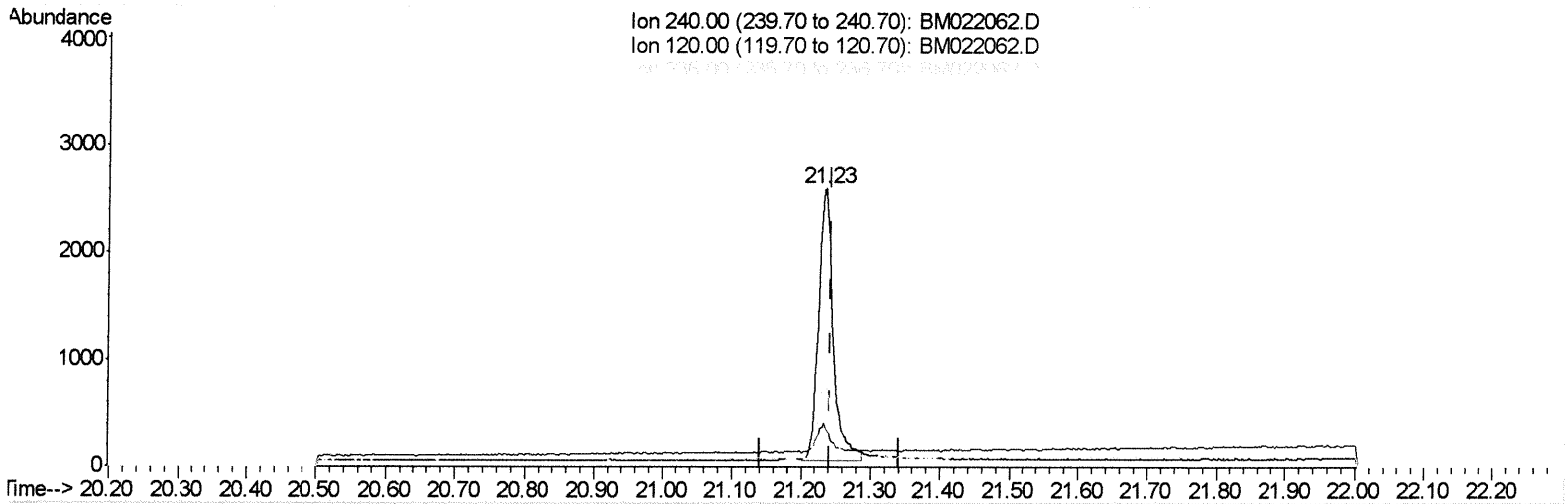
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:06:37 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.234min (-0.007) 0.40ng/ul m

JU
 08/14/19

response 3778

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	14.69
236.00	32.30	31.07
0.00	0.00	0.00

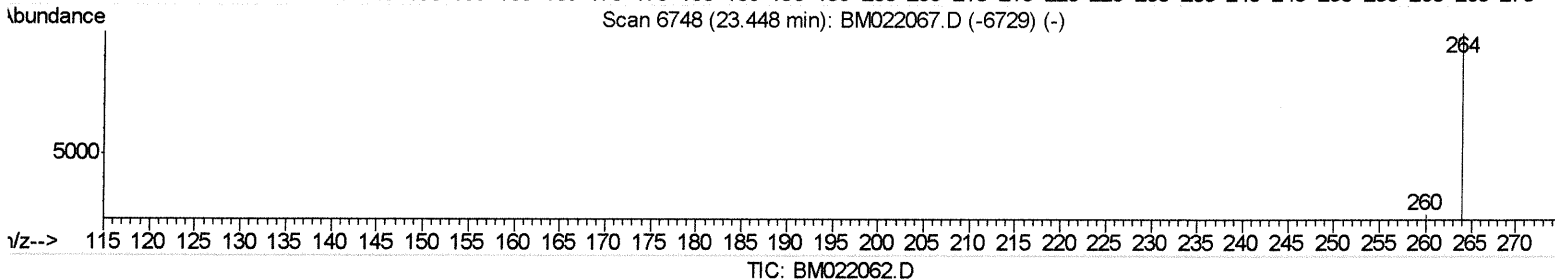
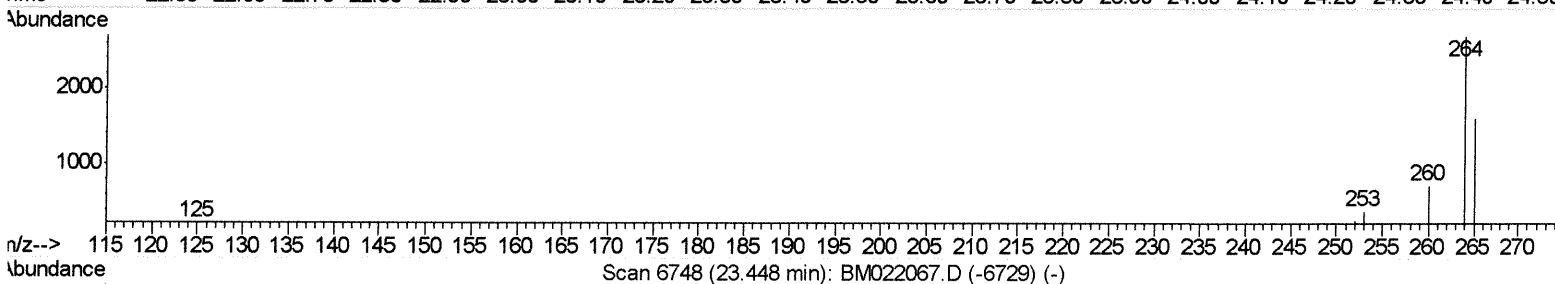
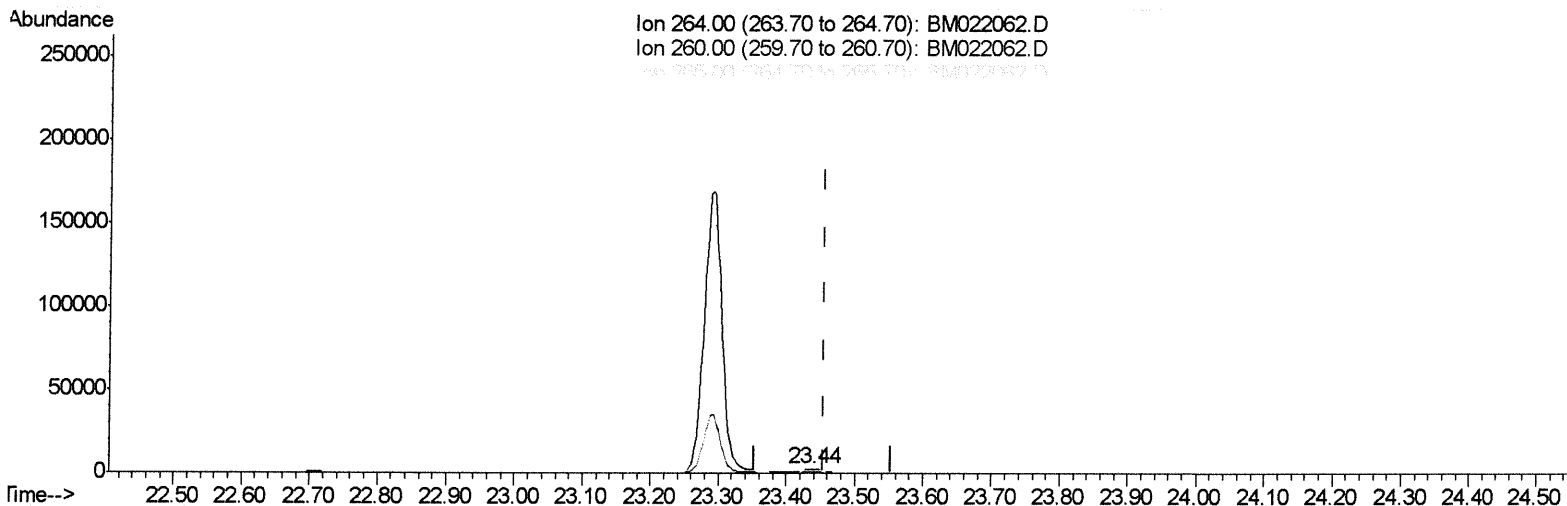
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:08:57 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 : Tue Aug 13 08:25:01 2019
 Response via : Initial Calibration



(20) Perylene-d12 (I)

23.438min (-0.016) 0.40ng/ul

response 5405

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.50
265.00	117.00	59.65#
0.00	0.00	0.00

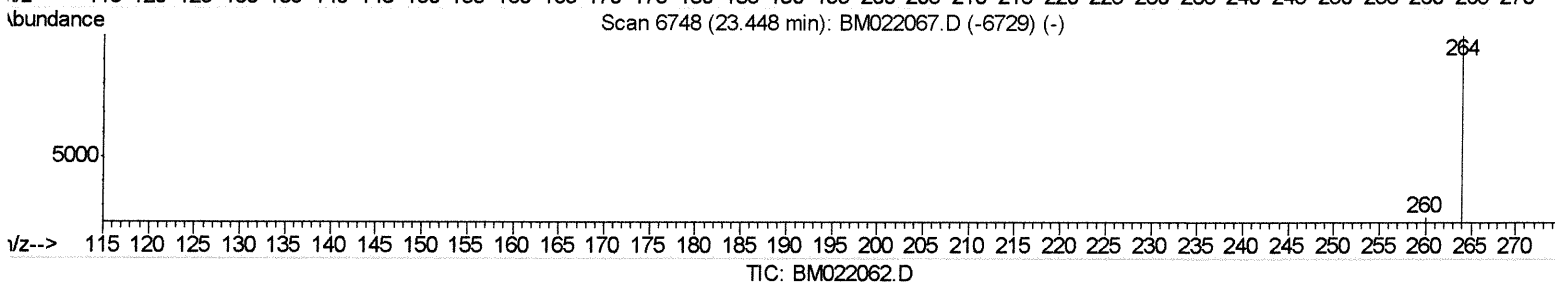
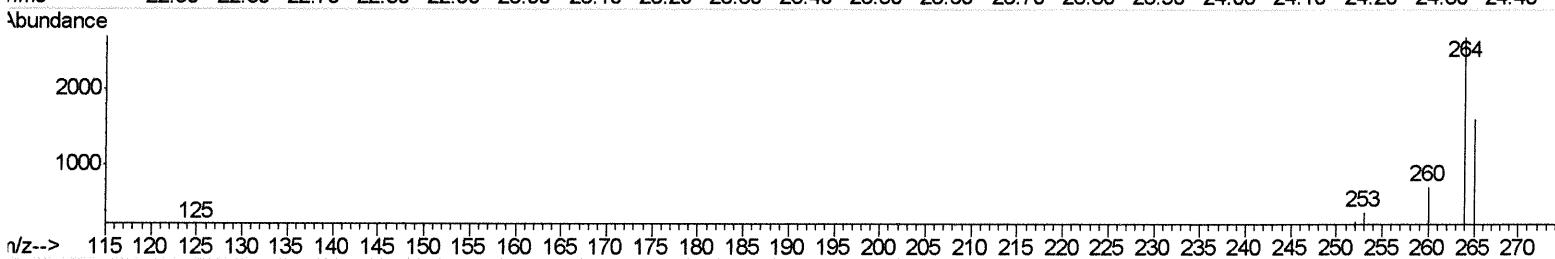
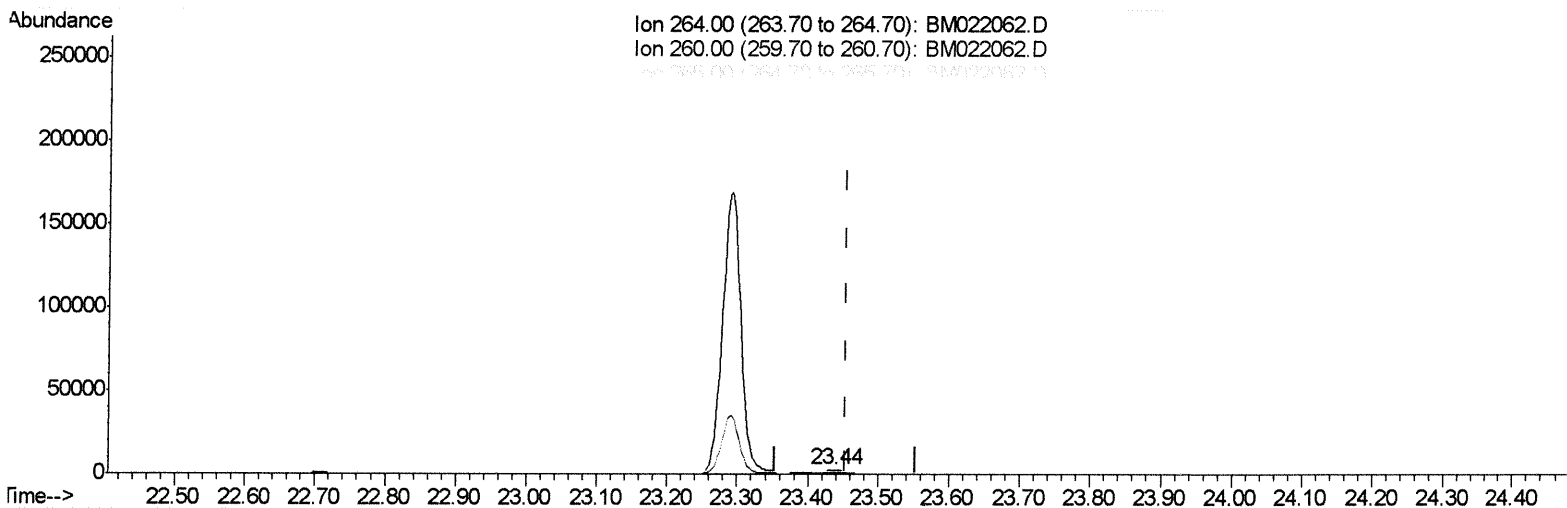
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLF7

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:48:55 AM

Quant Time: Aug 13 17:08:57 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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(20) Perylene-d12 (I)

23.438min (-0.016) 0.40ng/ul m

JU
 8/14/19

response 3649

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	26.50
265.00	117.00	59.65#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
 Data File : BM022062.D
 Acq On : 13 Aug 2019 10:14
 Operator : HP/JU
 Sample : K4117-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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mohammad
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Quant Time: Aug 13 17:10:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	825	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.38	136	3376	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.26	164	1796	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4124m →	0.40	ng/ul	-0.03
16) Chrysene-d12	21.23	240	3778m →	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	3649m →	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1631	0.29	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	3828m →	0.28	ng/ul	-0.02
Target Compounds						
					Qvalue	
3) Naphthalene	10.43	128	519	0.054	ng/ul#	74
8) Acenaphthene	14.32	153	187	0.027	ng/ul#	88
9) Fluorene	15.32	166	165	0.022	ng/ul#	92
12) Phenanthrene	17.05	178	1571	0.131	ng/ul	94
13) Anthracene	17.15	178	299m →	0.029	ng/ul	75
15) Fluoranthene	19.08	202	1263m →	0.079	ng/ul	68
17) Pyrene	19.45	202	940	0.061	ng/ul#	60

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