

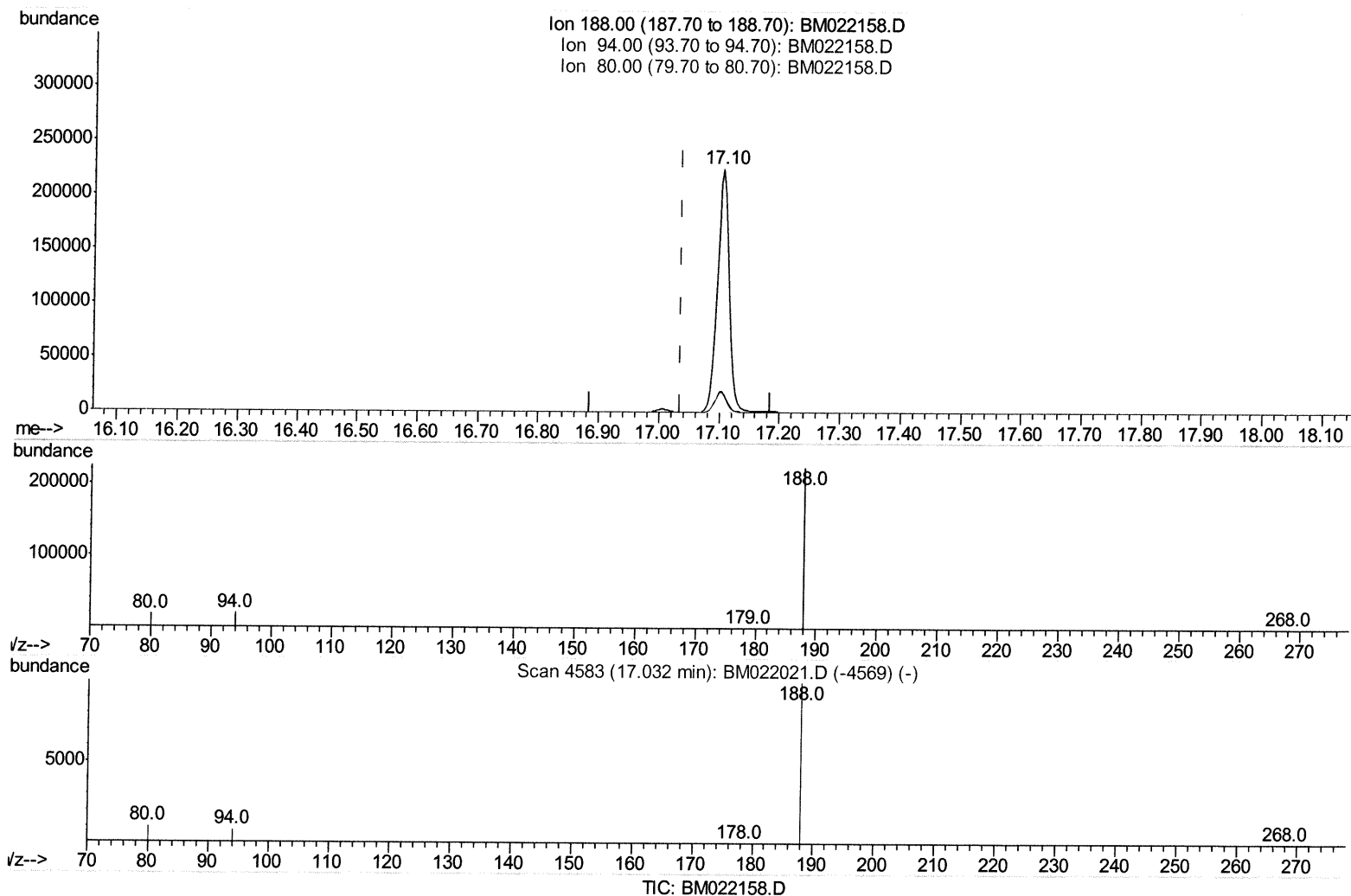
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:07 AM

Quant Time: Aug 16 15:08:17 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 16 14:59:47 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.105min (+0.069) 0.40ng/ul

response 309921

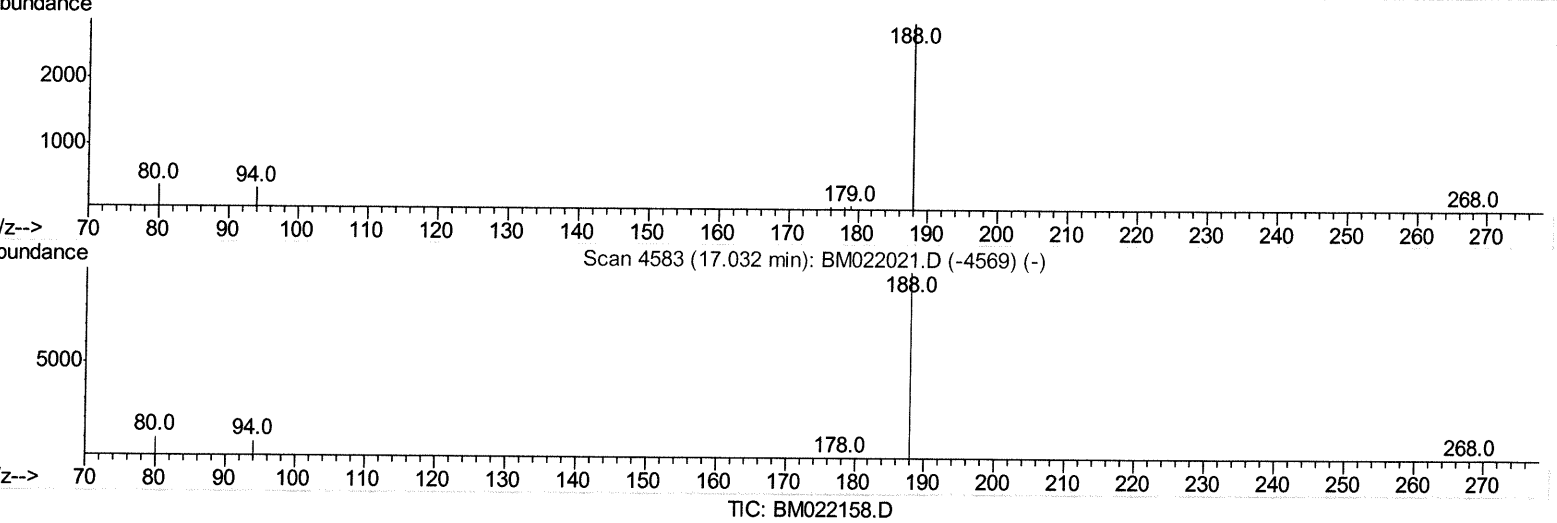
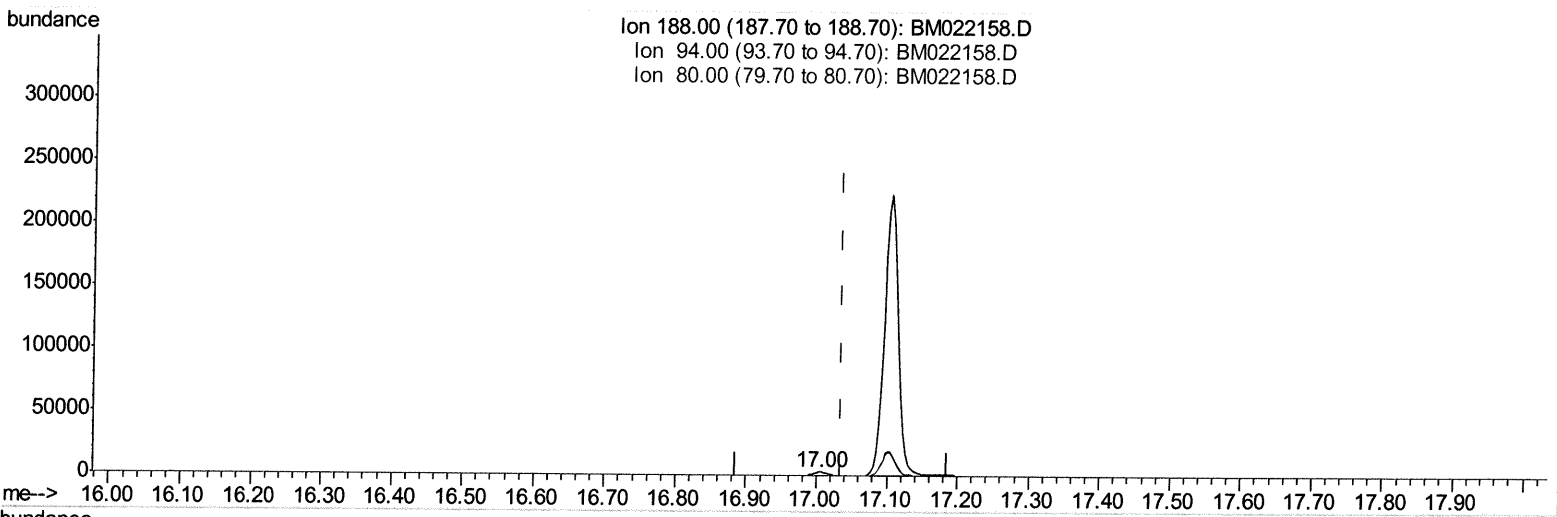
Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.63
80.00	11.40	8.14#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
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(10) Phenanthrene-d10 (I)
 17.004min (-0.031) 0.40ng/ul m *JU 08/20/19*

response 4033

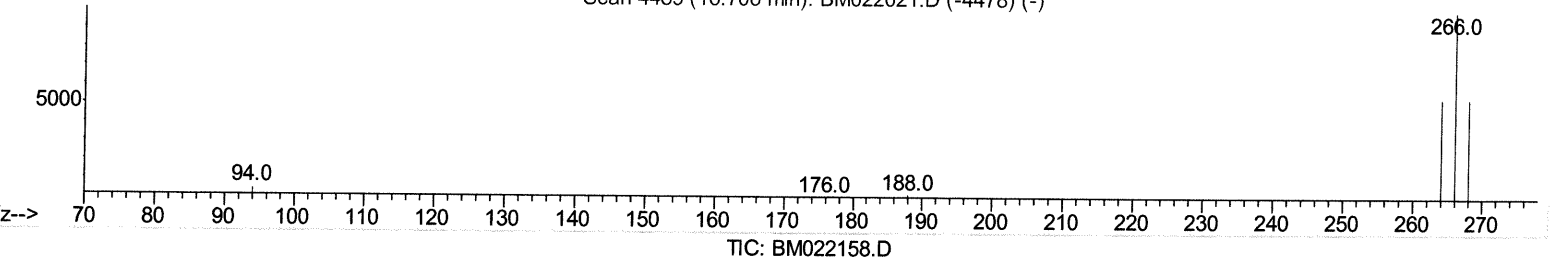
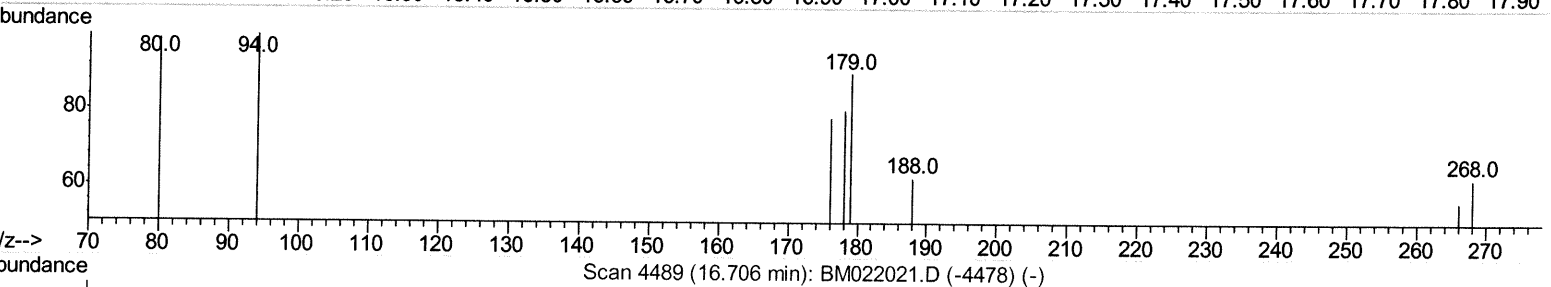
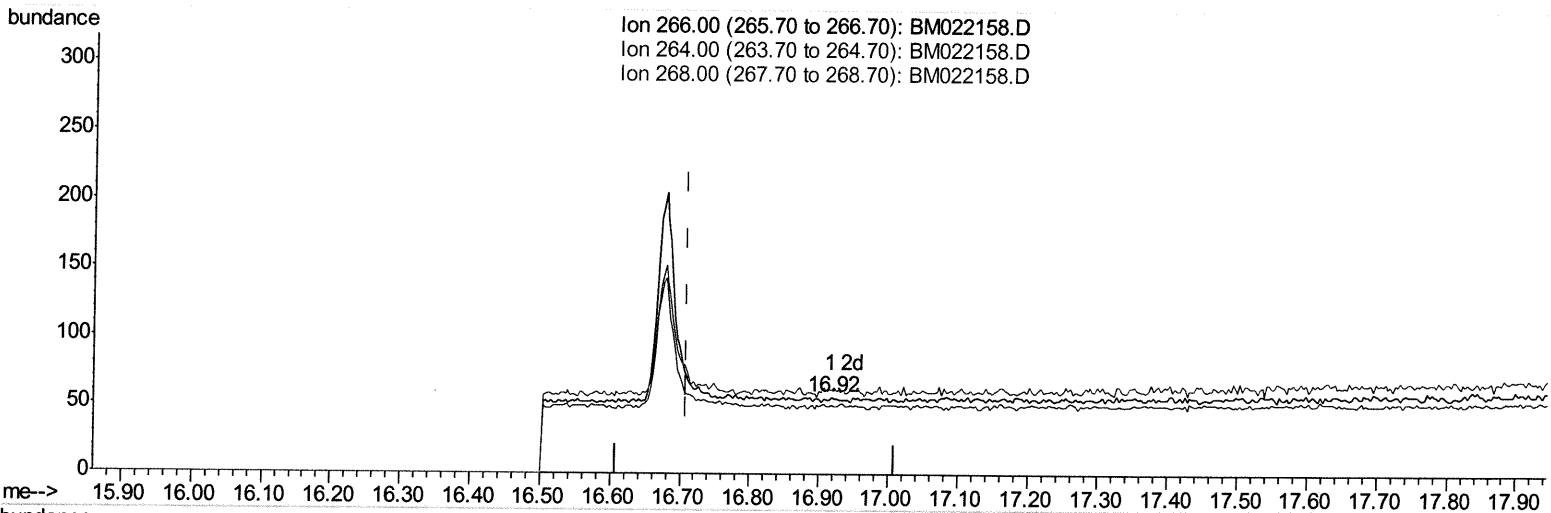
Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.58
80.00	11.40	12.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
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 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
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Quant Time: Aug 16 15:09:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(11) Pentachlorophenol

16.918min (+0.208) 0.01ng/ul

response 6

Ion	Exp%	Act%
266.00	100	100
264.00	67.70	0.00#
268.00	72.00	216.67#
0.00	0.00	0.00

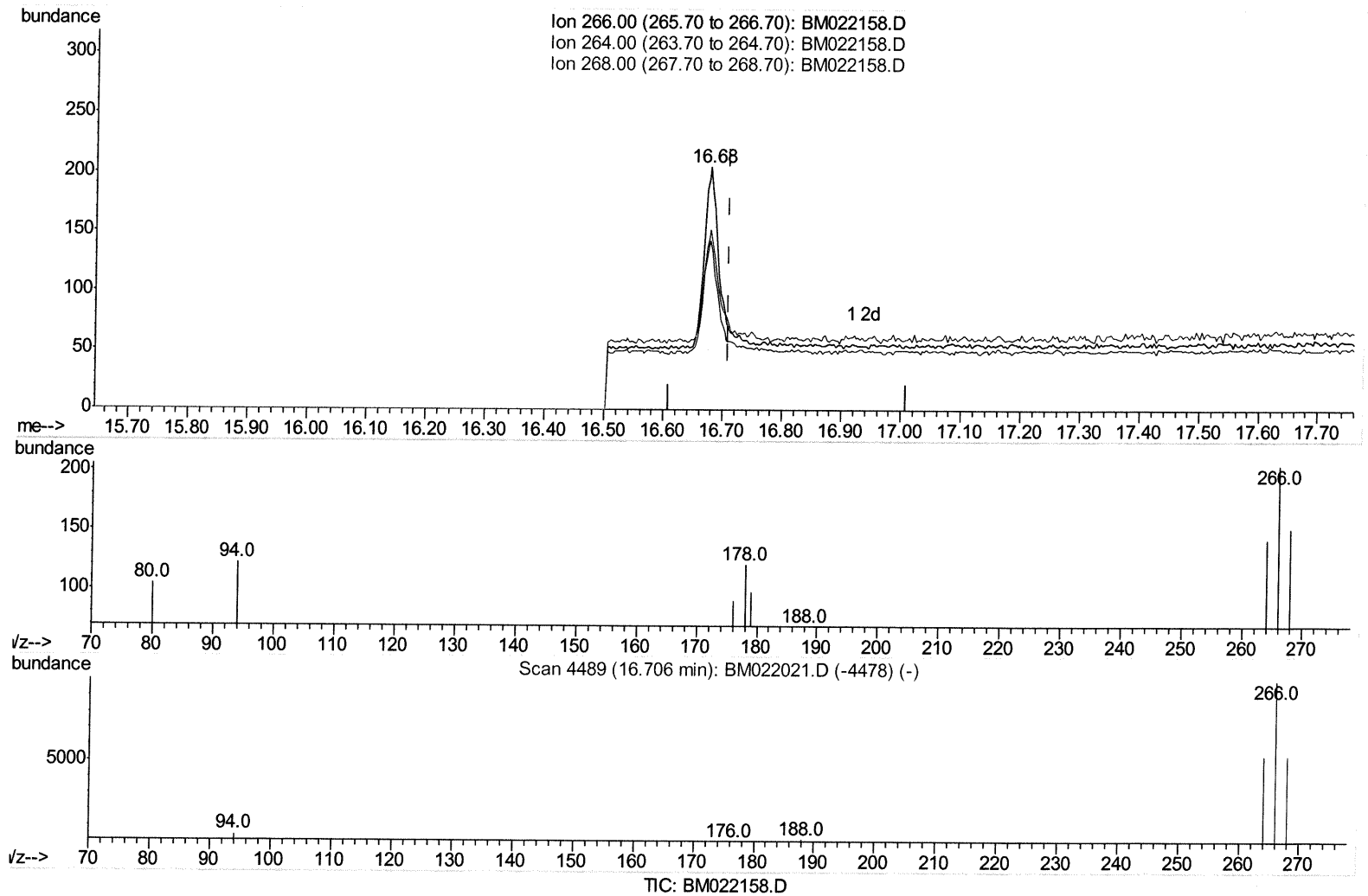
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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Quant Time: Aug 16 15:09:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(11) Pentachlorophenol

16.678min (-0.031) 0.37ng/ul m

JU 8/20/19

response 276

Ion	Exp%	Act%
266.00	100	100
264.00	67.70	0.00#
268.00	72.00	4.71#
0.00	0.00	0.00

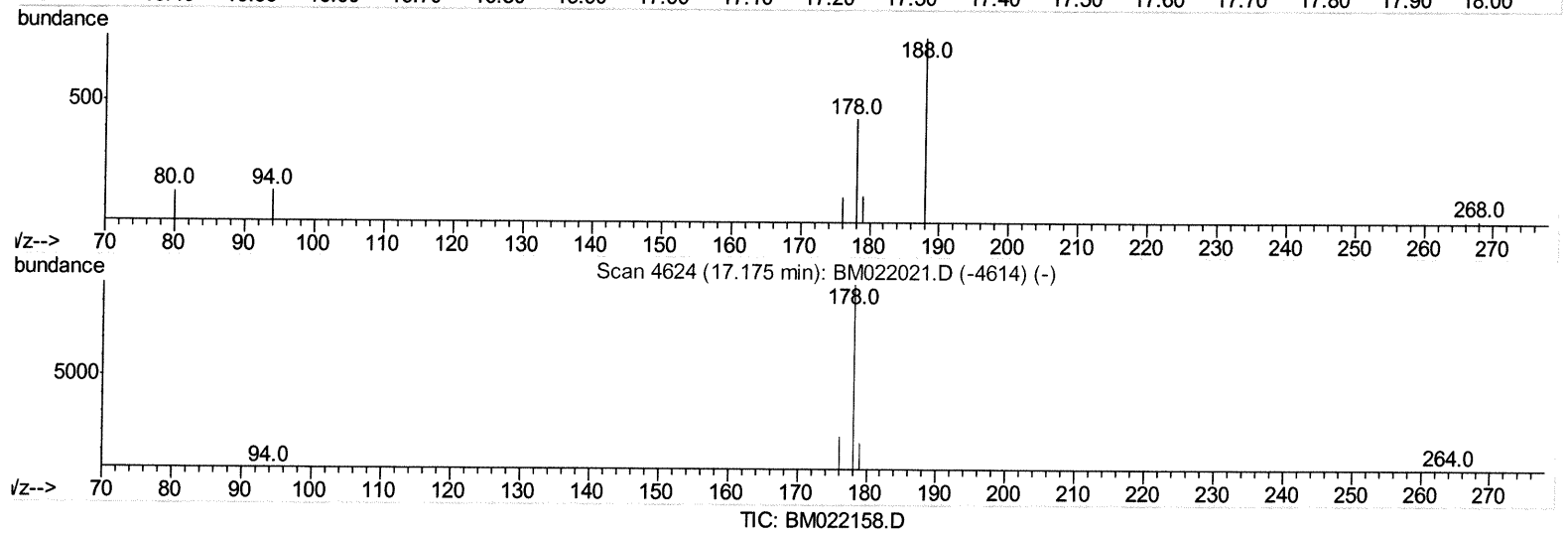
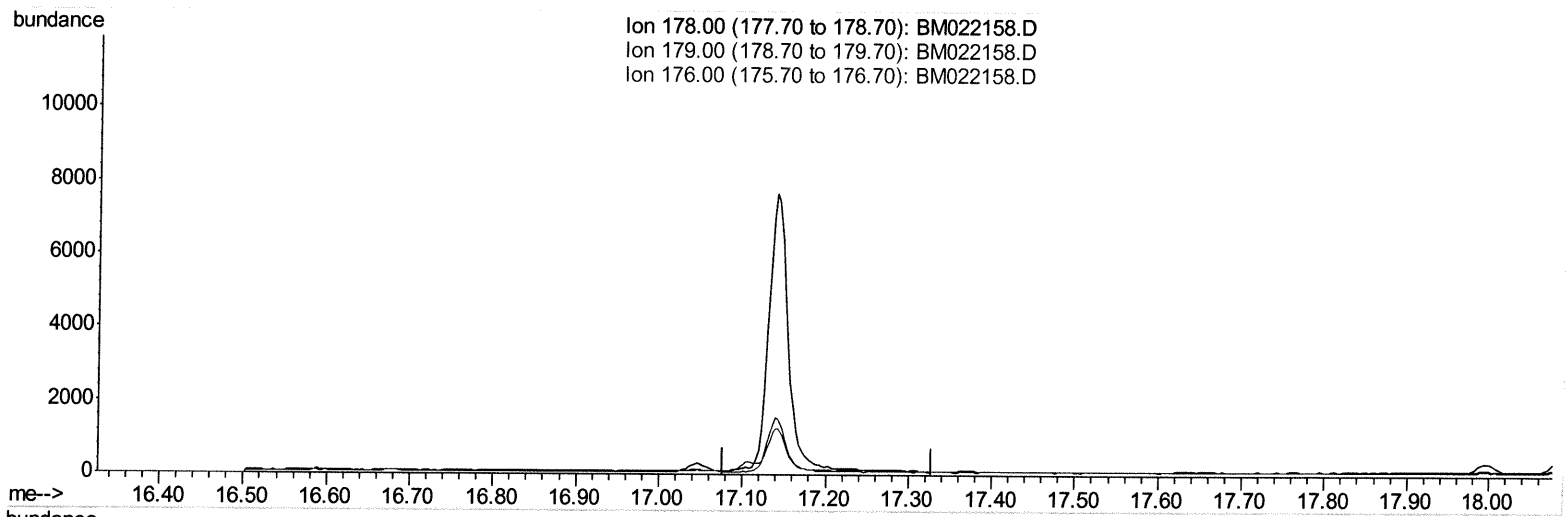
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022158.D
Acq On : 16 Aug 2019 00:03
Operator : HP/JU
Sample : K4337-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Manual Integrations
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QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration



(13) Anthracene

17.178min (-17.178) 0.00ng/ul

response 0

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

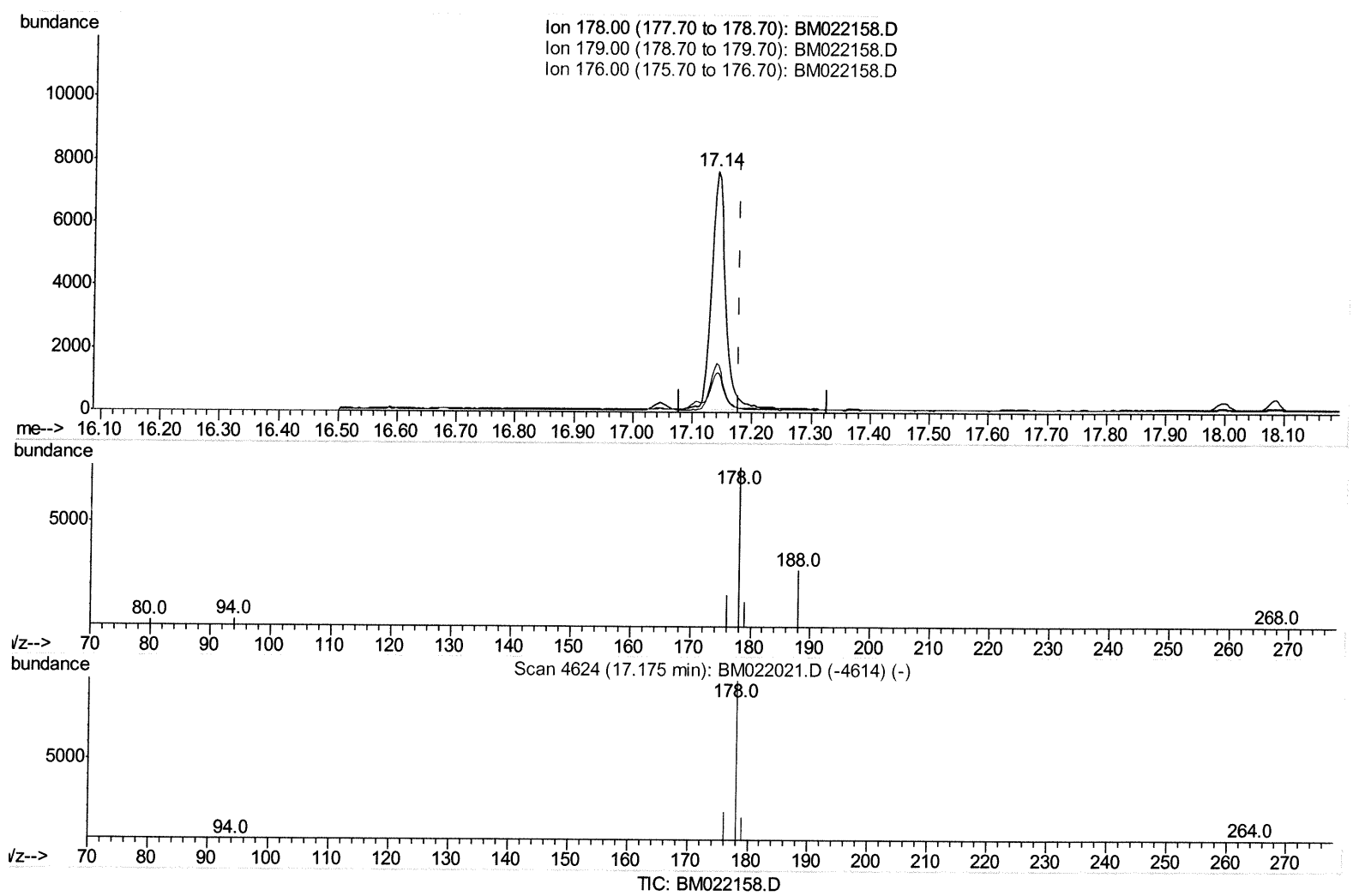
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(13) Anthracene

17.140min (-0.038) 1.23ng/ul m

JU 08/20/19

response 12316

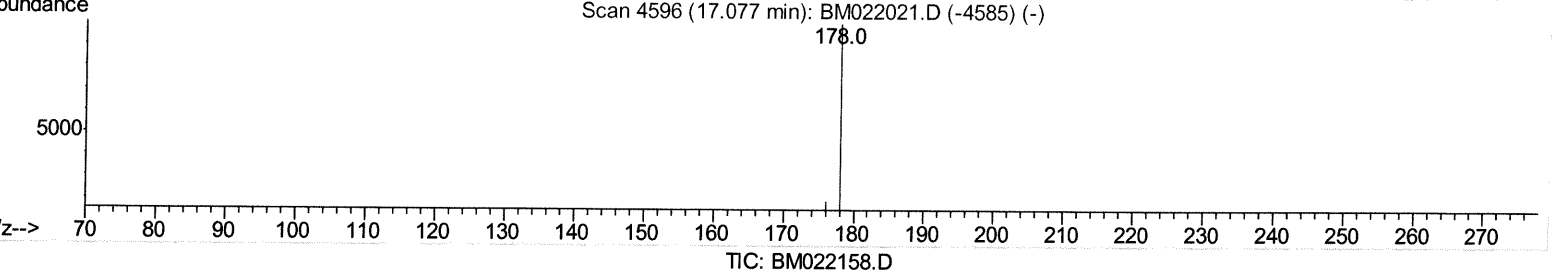
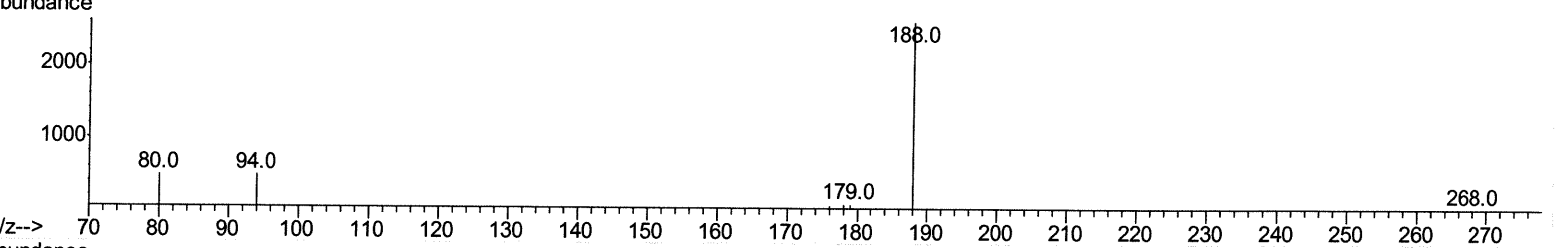
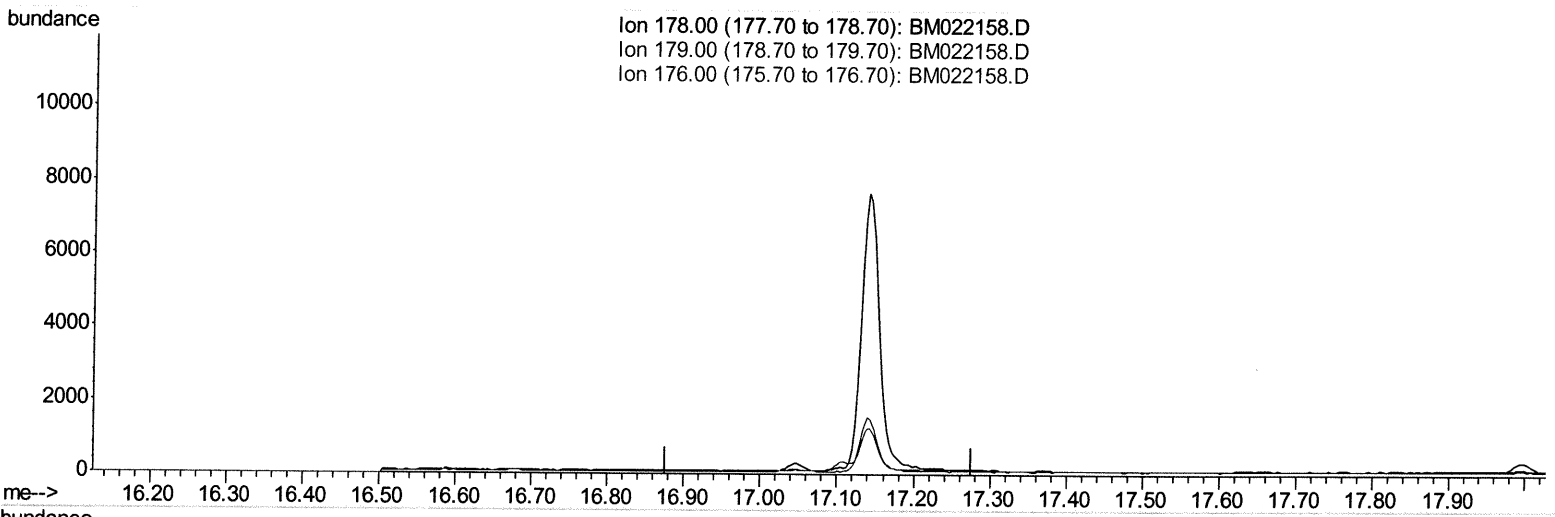
Ion	Exp%	Act%
178.00	100	100
179.00	19.40	16.45
176.00	20.80	20.36
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022158.D
Acq On : 16 Aug 2019 00:03
Operator : HP/JU
Sample : K4337-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC6

Manual Integrations
APPROVED
mohammad
8/19/2019 10:46:07 AM

Quant Time: Aug 16 15:09:59 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 16 14:59:47 2019
Response via : Initial Calibration



(12) Phenanthrene

17.077min (-17.077) 0.00ng/ul d

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	17.70	0.00
176.00	21.00	0.00
0.00	0.00	0.00

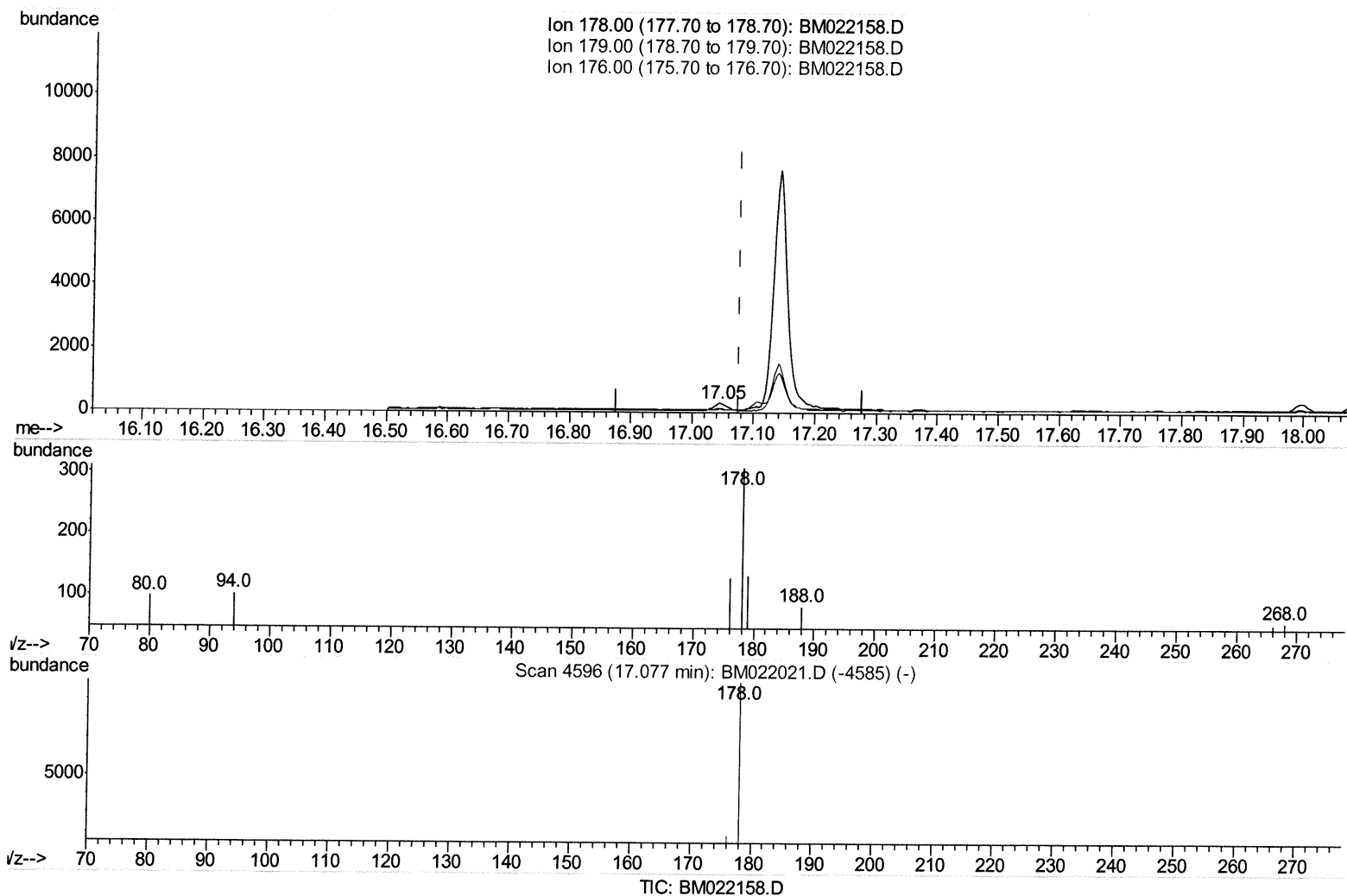
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:07 AM

Quant Time: Aug 16 15:09:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(12) Phenanthrene

17.046min (-0.031) 0.03ng/ul m

JU
 08/20/19

response 350

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	43.51#
176.00	21.00	42.53#
0.00	0.00	0.00

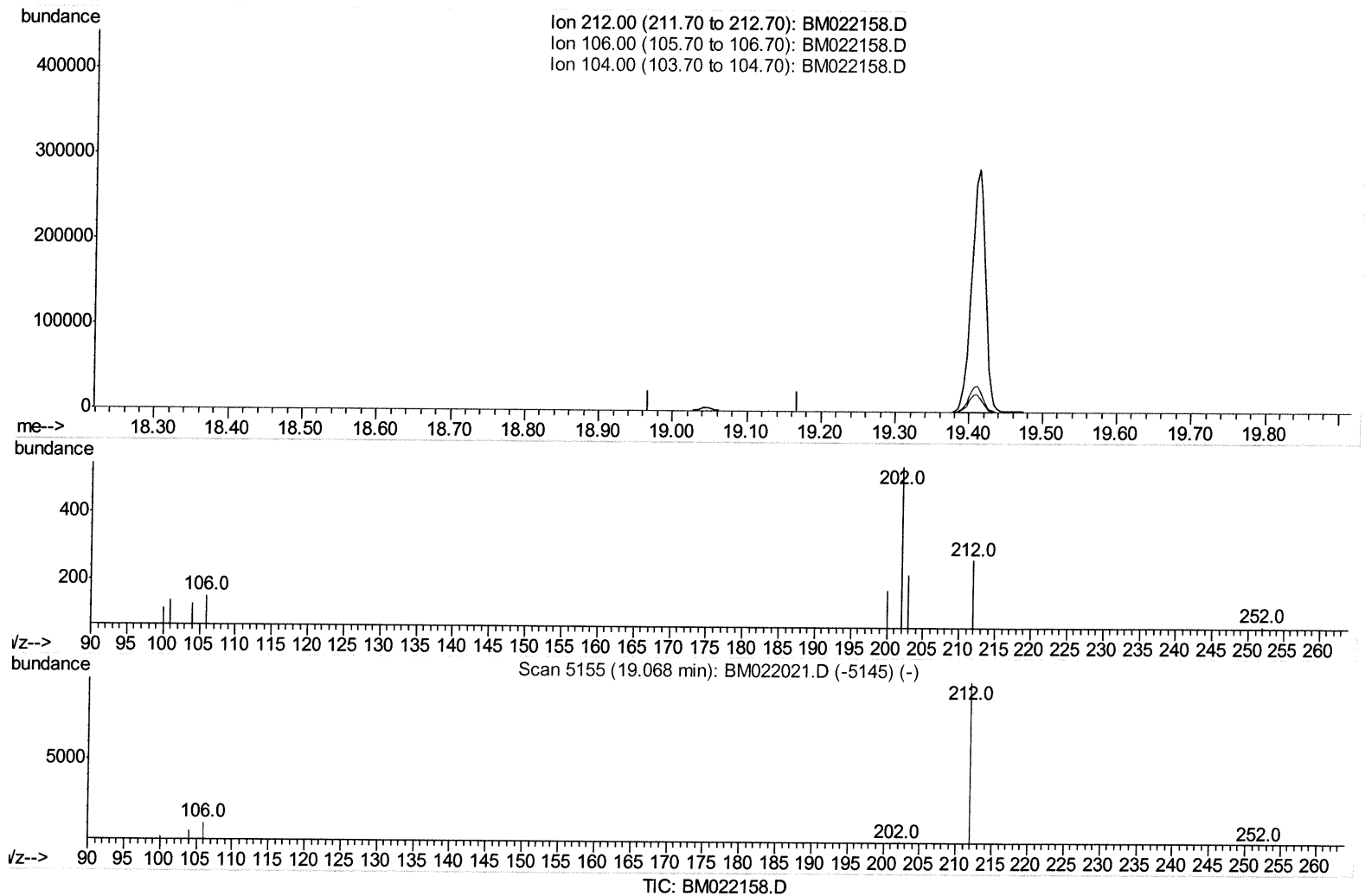
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:07 AM

Quant Time: Aug 16 15:09:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
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 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.068min (-19.068) 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

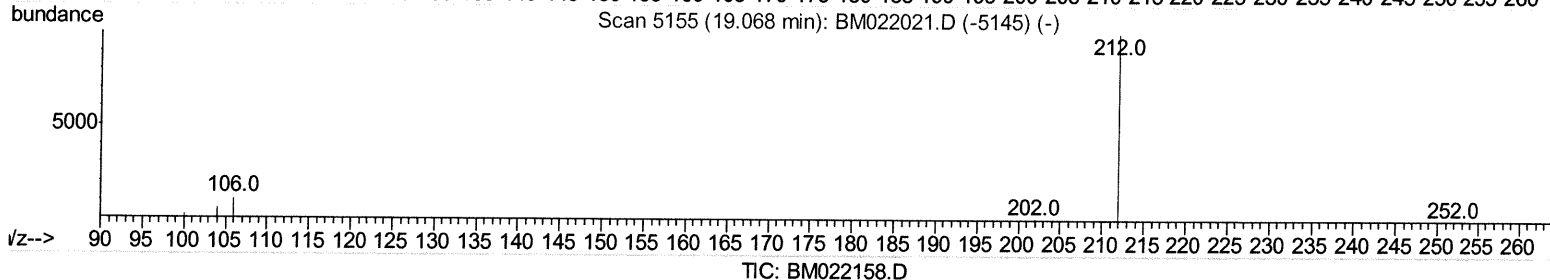
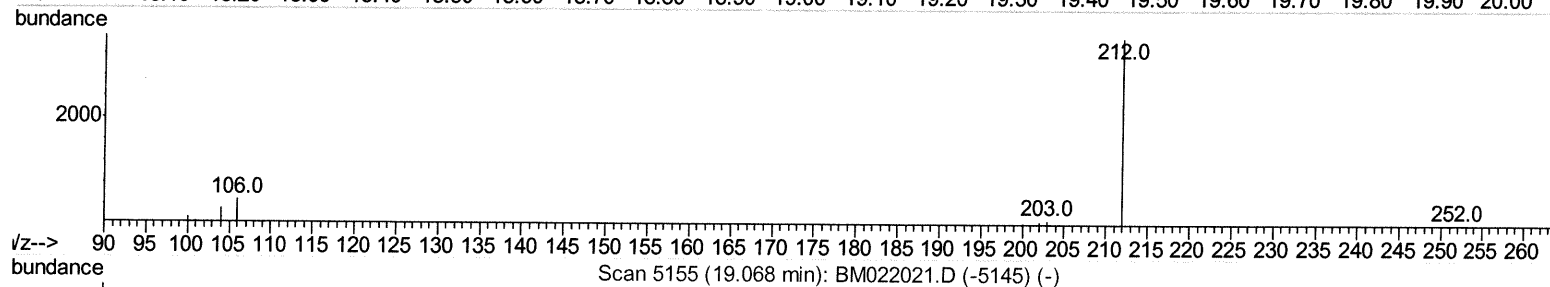
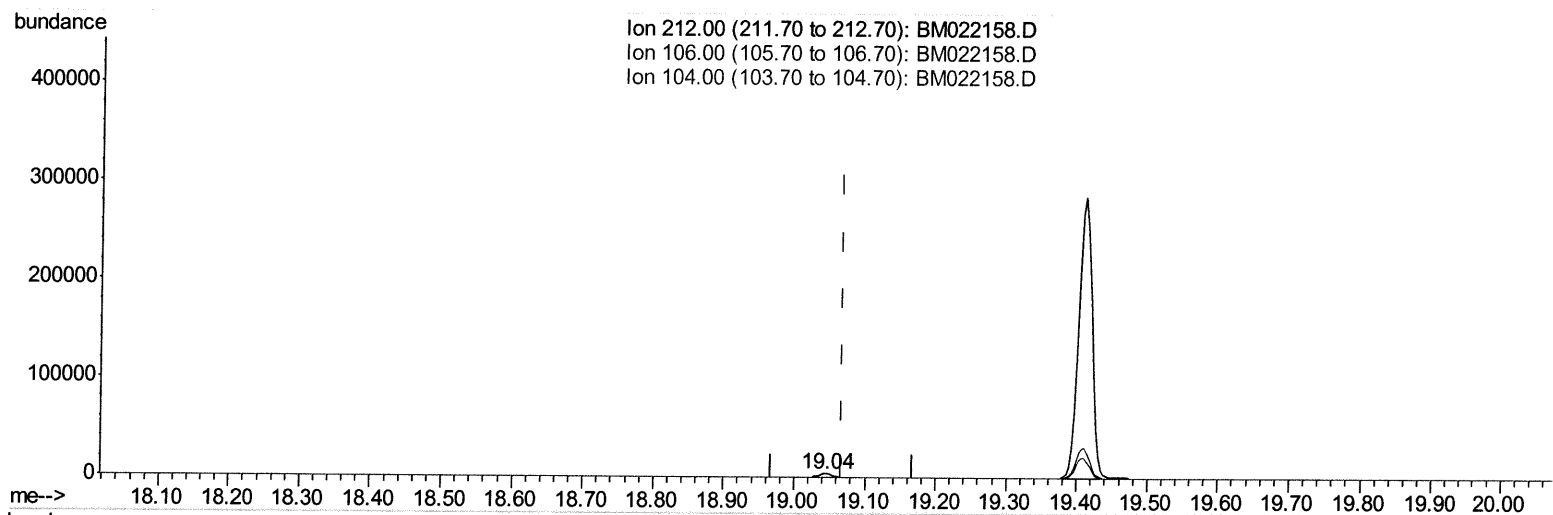
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:07 AM

Quant Time: Aug 16 15:09:59 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 16 14:59:47 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.045min (-0.023) 0.36ng/ul m

JU 08/20/19

response 4946

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

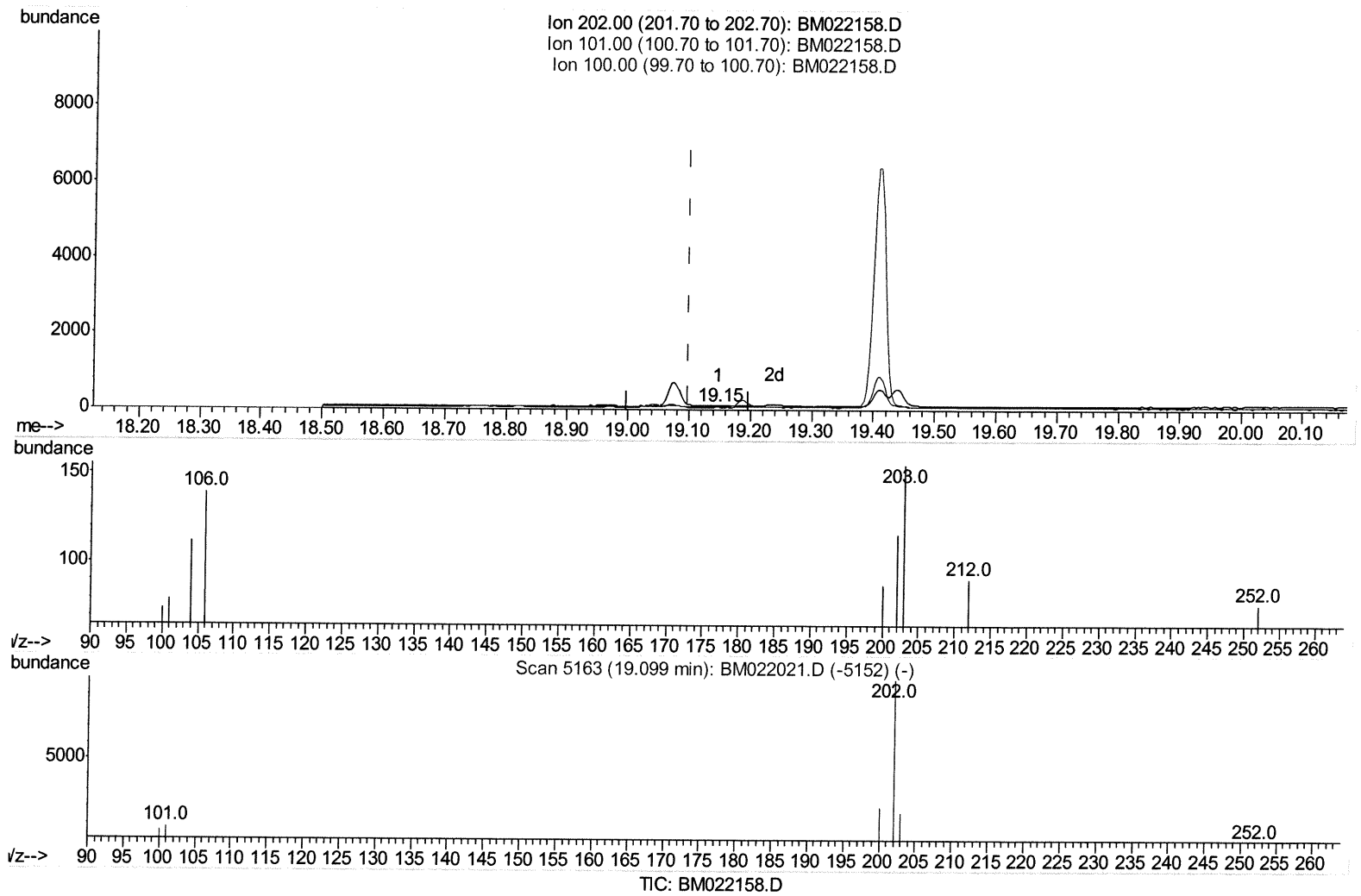
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:46:07 AM

Quant Time: Aug 16 15:09:59 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 16 14:59:47 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.148min (+0.049) 0.00ng/ul

response 30

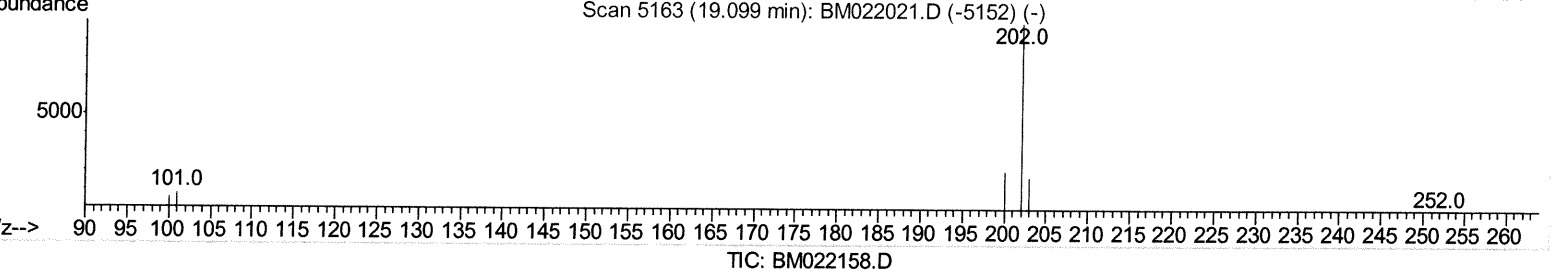
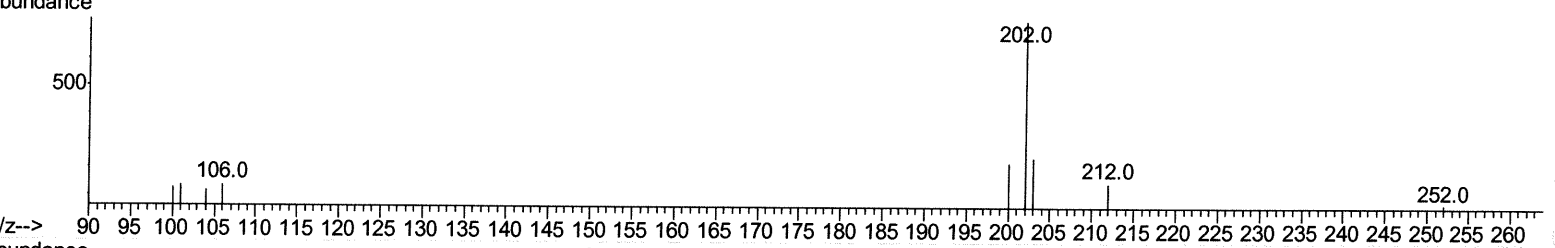
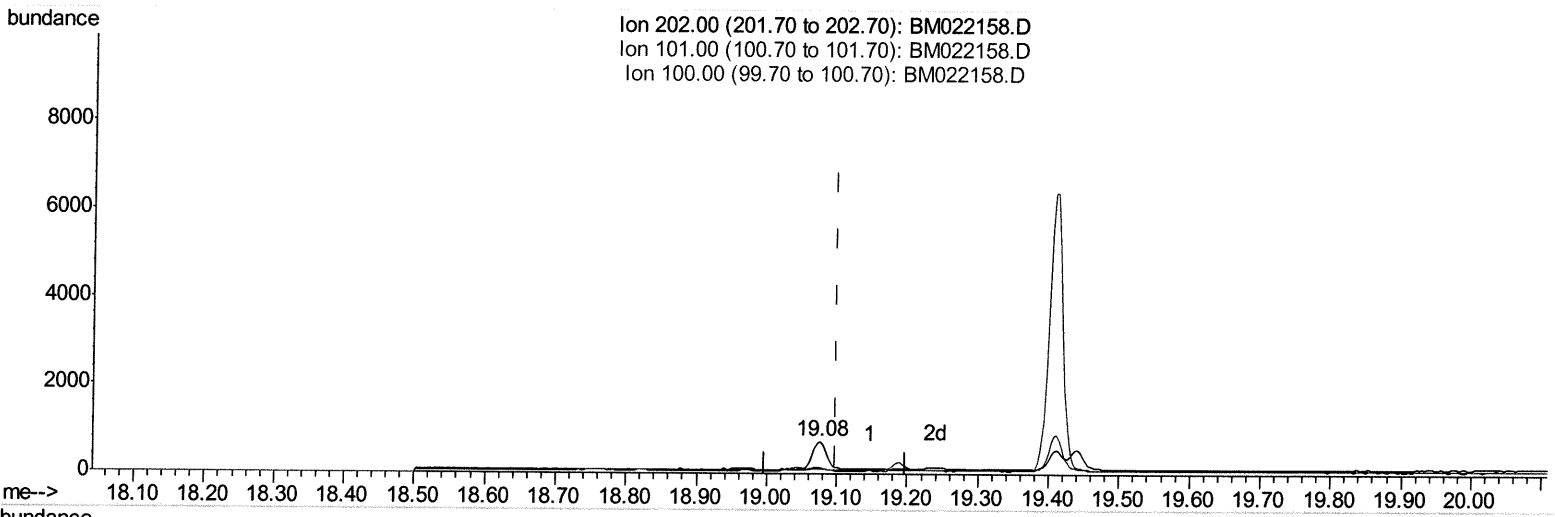
Ion	Exp%	Act%
202.00	100	100
101.00	10.20	68.10#
100.00	8.10	63.79#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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 mohammad
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 QLast Update : Fri Aug 16 14:59:47 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)
 19.075min (-0.023) 0.06ng/ul m *JU 08/20/19*

response 885

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	18.30
100.00	8.10	16.96
0.00	0.00	0.00

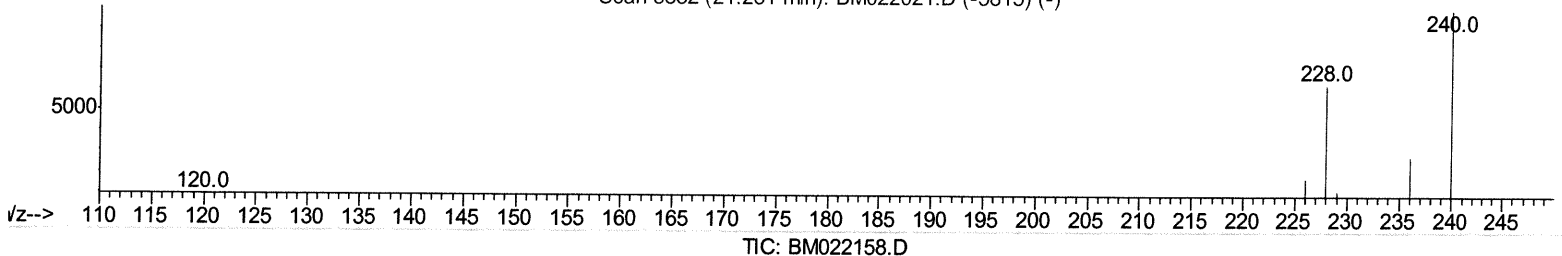
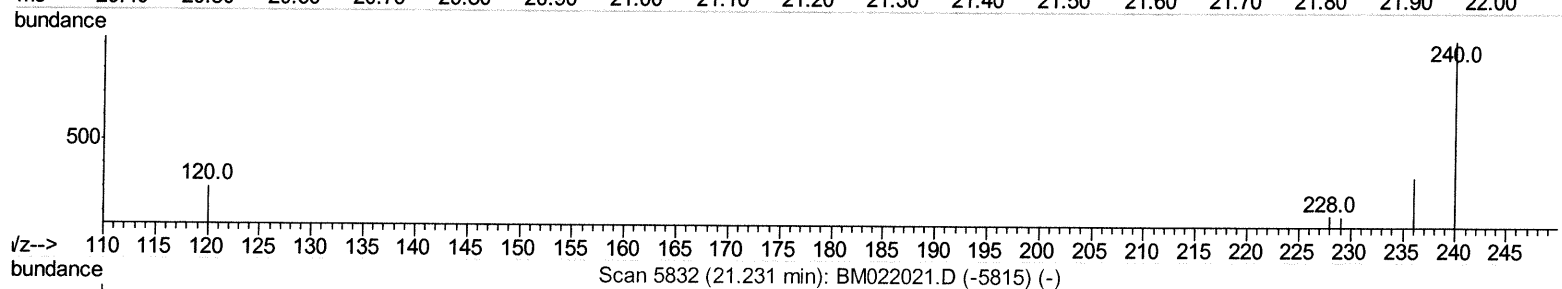
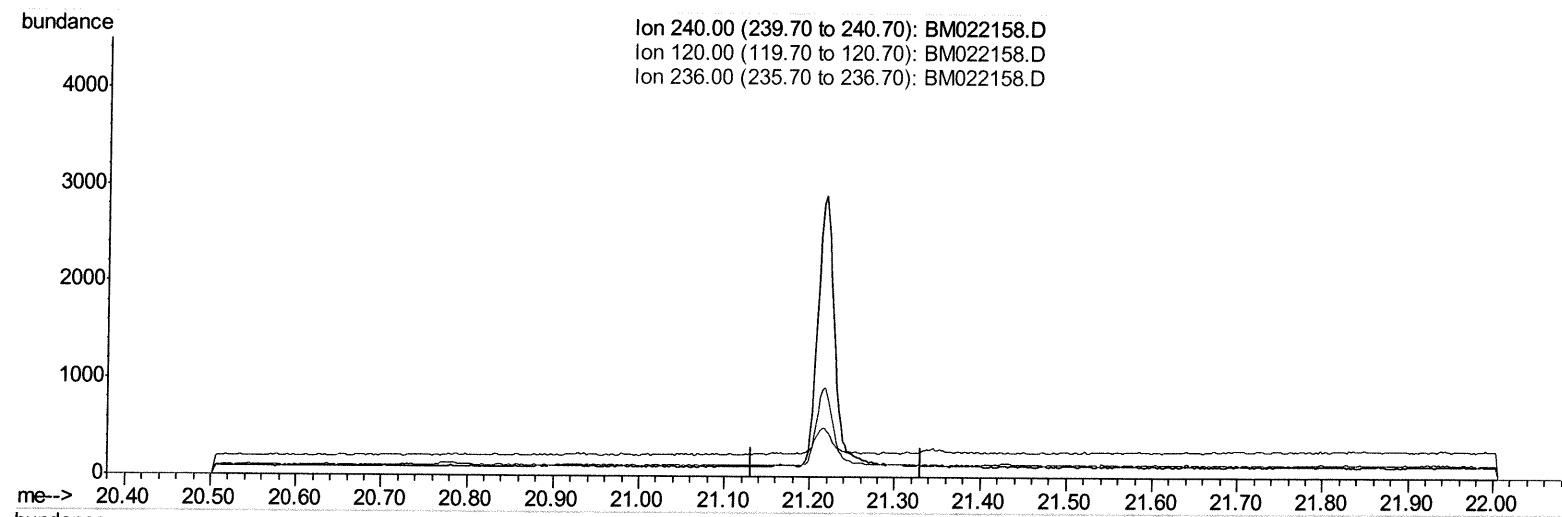
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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Manual Integrations
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 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.231min (-21.231) 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

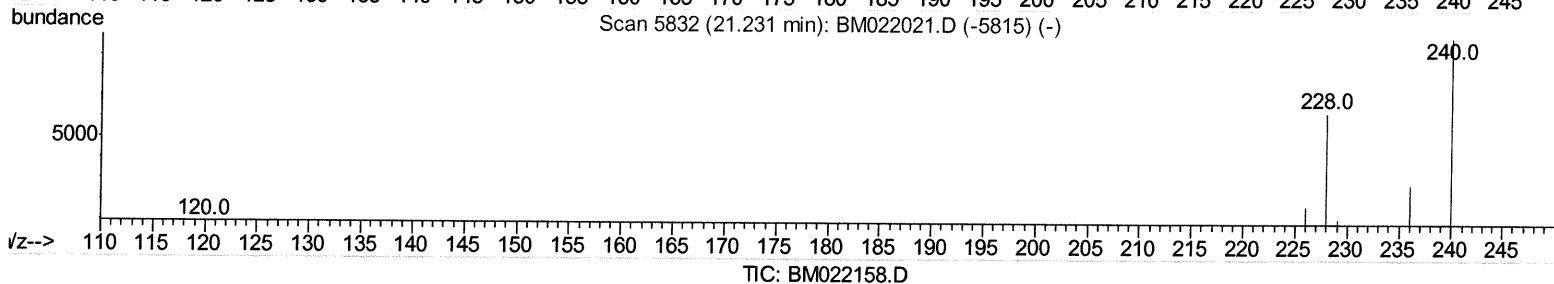
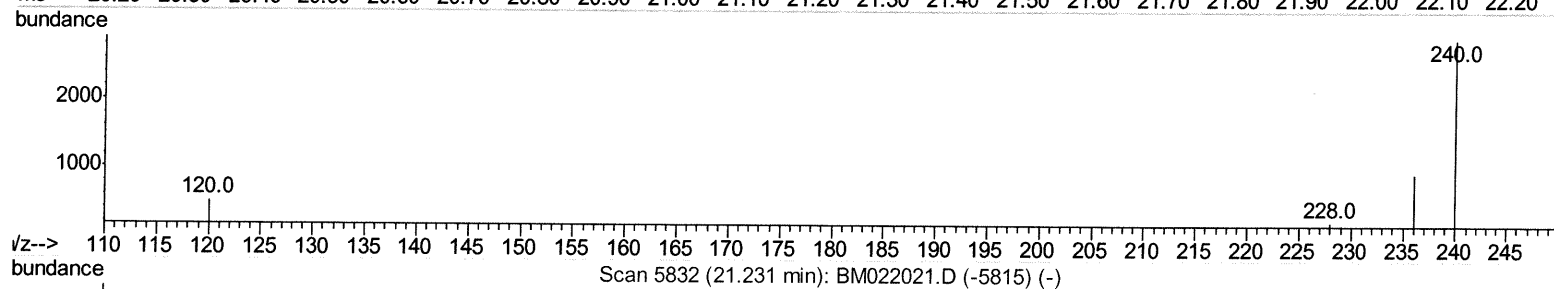
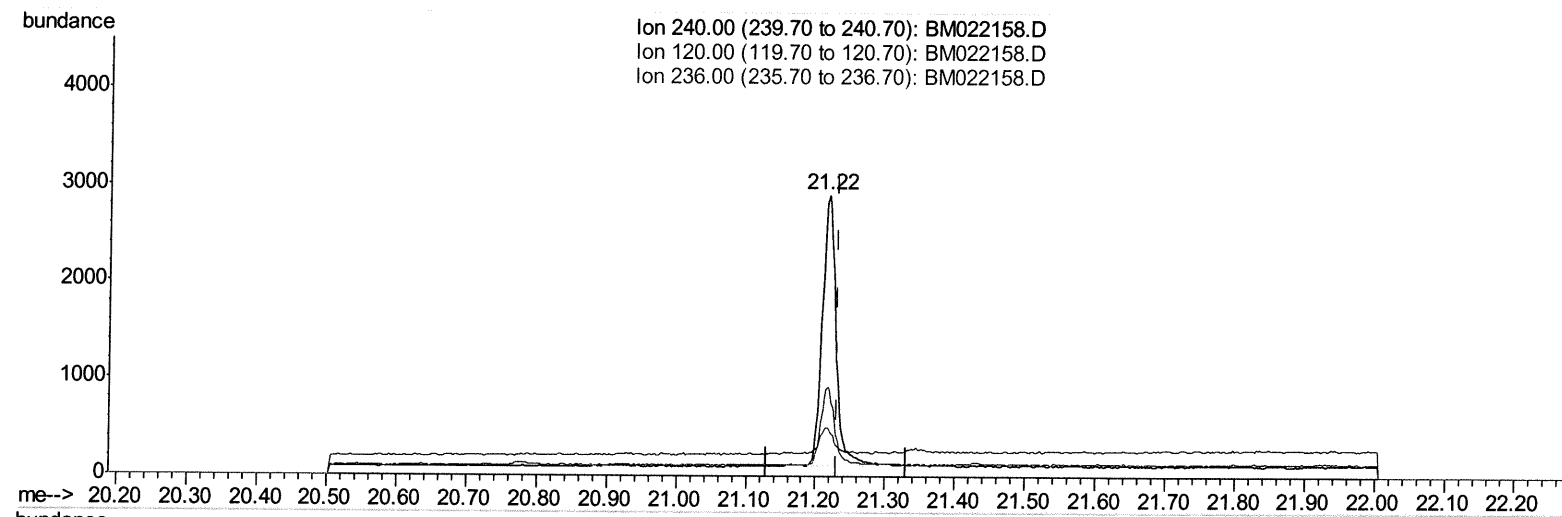
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
 Data File : BM022158.D
 Acq On : 16 Aug 2019 00:03
 Operator : HP/JU
 Sample : K4337-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.217min (-0.015) 0.40ng/ul m

JU
08/20/19

response 3860

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	17.40
236.00	32.30	31.81
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\

Data File : BM022158.D

Acq On : 16 Aug 2019 00:03

Operator : HP/JU

Sample : K4337-01

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 08:26:09 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 16 14:59:47 2019

Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

C0AC6

Manual Integrations

APPROVED

mohammad

8/19/2019 10:46:07 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) 1,4-Dichlorobenzene-d4	7.59	152	676	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	2963	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1688	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.00	188	4033m)	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	3860m)	0.40	ng/ul	-0.01
20) Perylene-d12	23.42	264	4742	0.40	ng/ul	-0.02

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	11.98	152	1713	0.35	ng/ul	-0.03
14) Fluoranthene-d10	19.04	212	4946m)	0.36	ng/ul	-0.02

Target Compounds

					Ovalue	
8) Acenaphthene	14.31	153	247	0.038	ng/ul#	94
9) Fluorene	15.31	166	235	0.033	ng/ul#	91
11) Pentachlorophenol	16.68	266	276m)	0.371	ng/ul	
13) Anthracene	17.14	178	12316m)	1.230	ng/ul	
15) Fluoranthene	19.08	202	885m)	0.056	ng/ul	
17) Pyrene	19.44	202	623	0.039	ng/ul#	44

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081519\

Data File : BM022158.D

Acq On : 16 Aug 2019 00:03

Operator : HP/JU

Sample : K4337-01

Misc :

ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 08:26:09 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 16 14:59:47 2019

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Manual Integrations

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mohammad

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