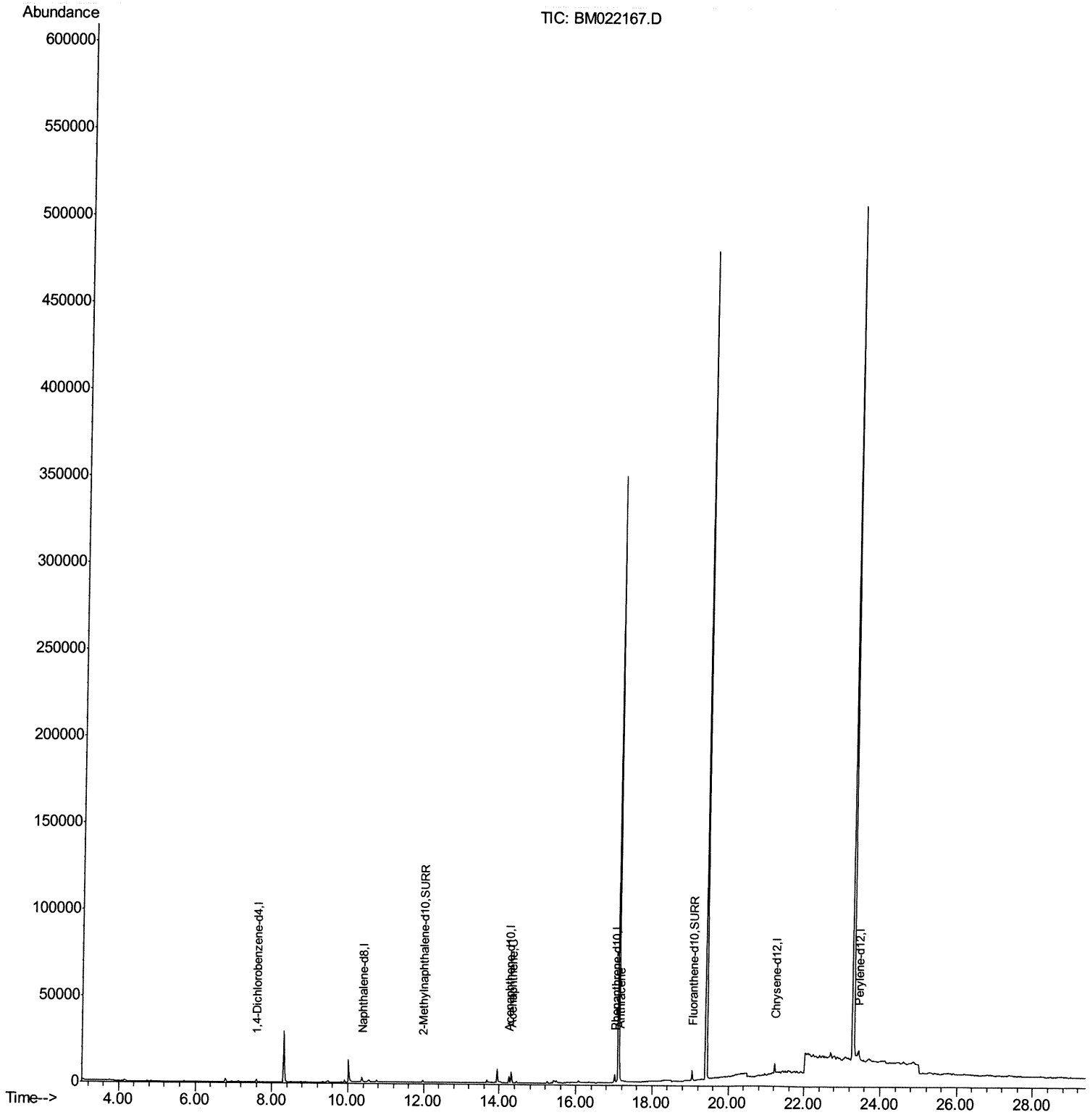
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:13:59 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

Instrument :
BNA_M
ClientSampleId :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:05:52 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 :
C0AD0

Manual Integrations APPROVED
mohammad
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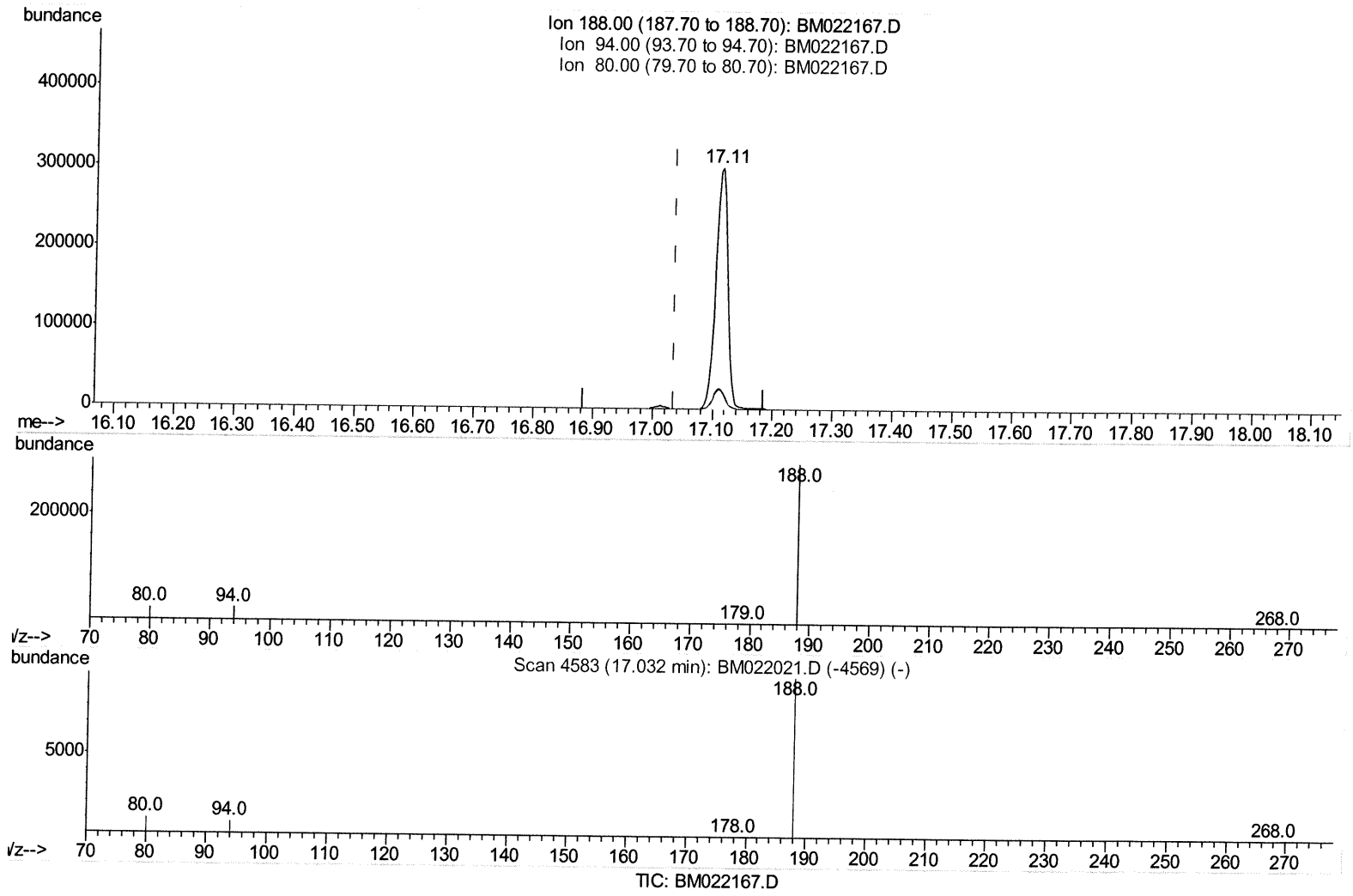


(10) Phenanthrene-d10 (I)

17.114min (+0.078) 0.40ng/ul

response 411046

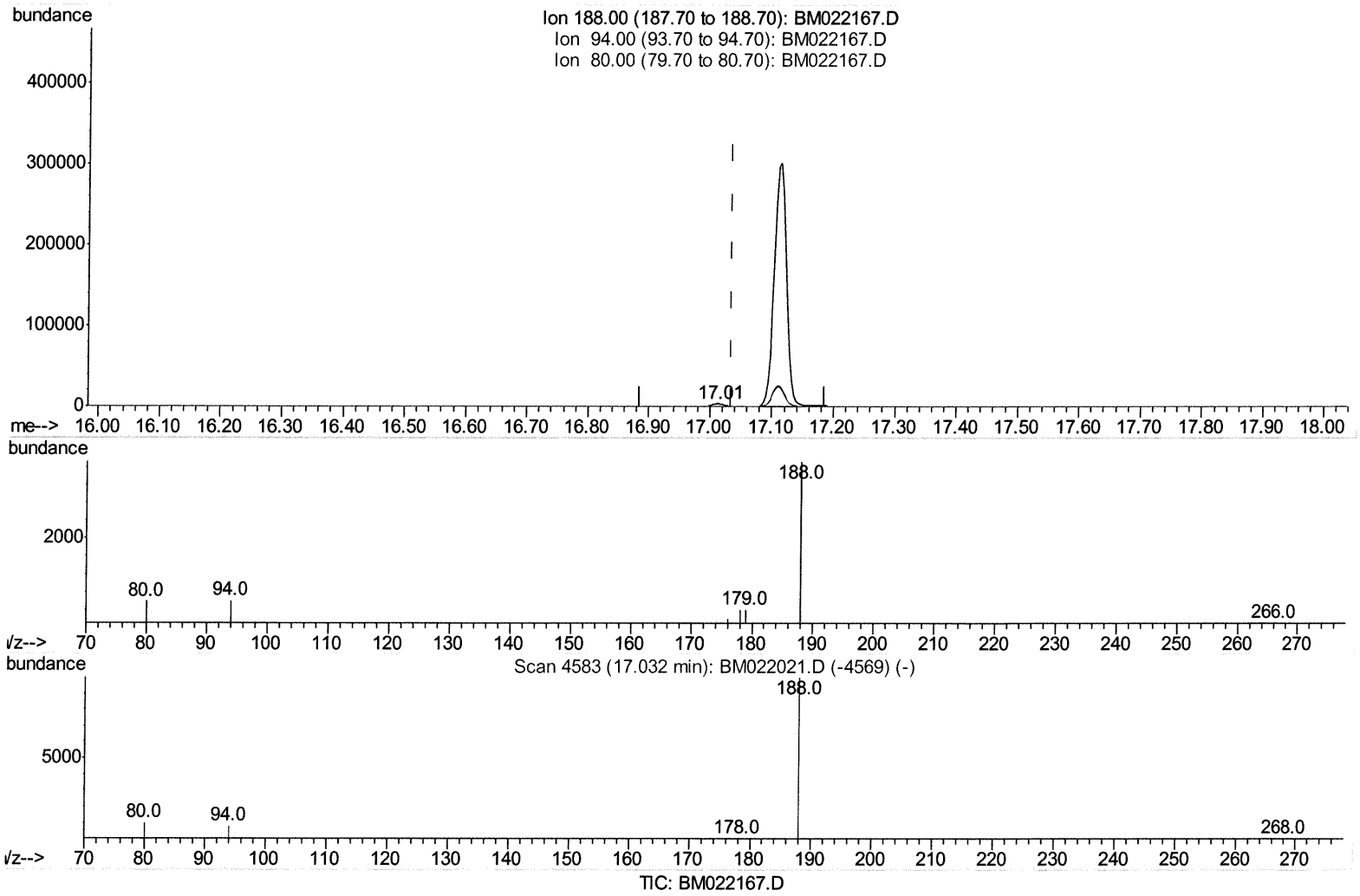
Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.23#
80.00	11.40	7.80#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:05:52 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 :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM



(10) Phenanthrene-d10 (I)

17.013min (-0.022) 0.40ng/ul m JU 08/20/19

response 5262

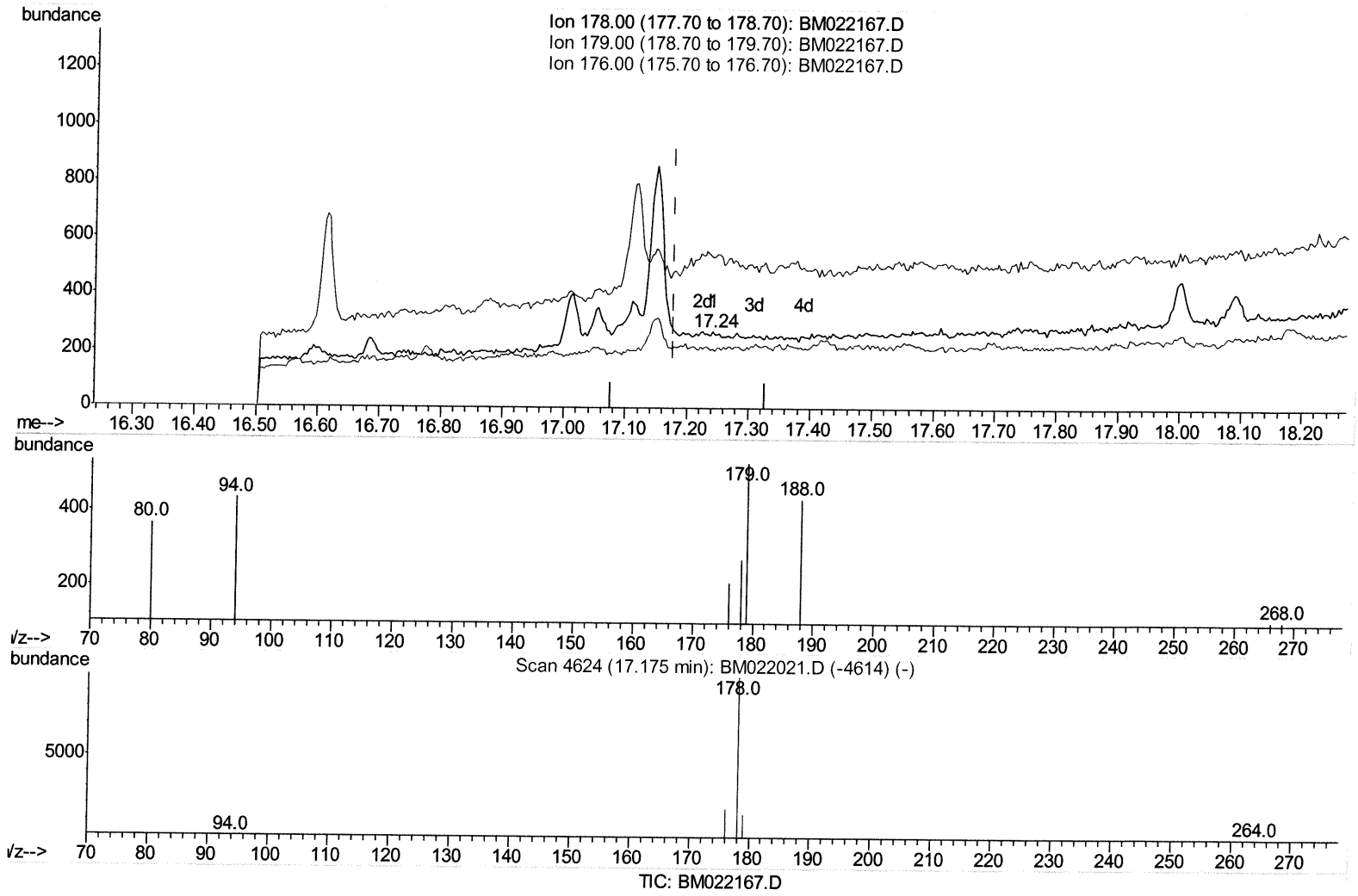
Ion	Exp%	Act%
188.00	100	100
94.00	10.40	15.95#
80.00	11.40	15.66#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:12:20 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 :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM



TIC: BM022167.D

(13) Anthracene

17.242min (+0.064) 0.00ng/ul

response 19

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	195.96#
176.00	20.80	77.57#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:12:20 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 :
C0AD0

Manual Integrations APPROVED
mohammad
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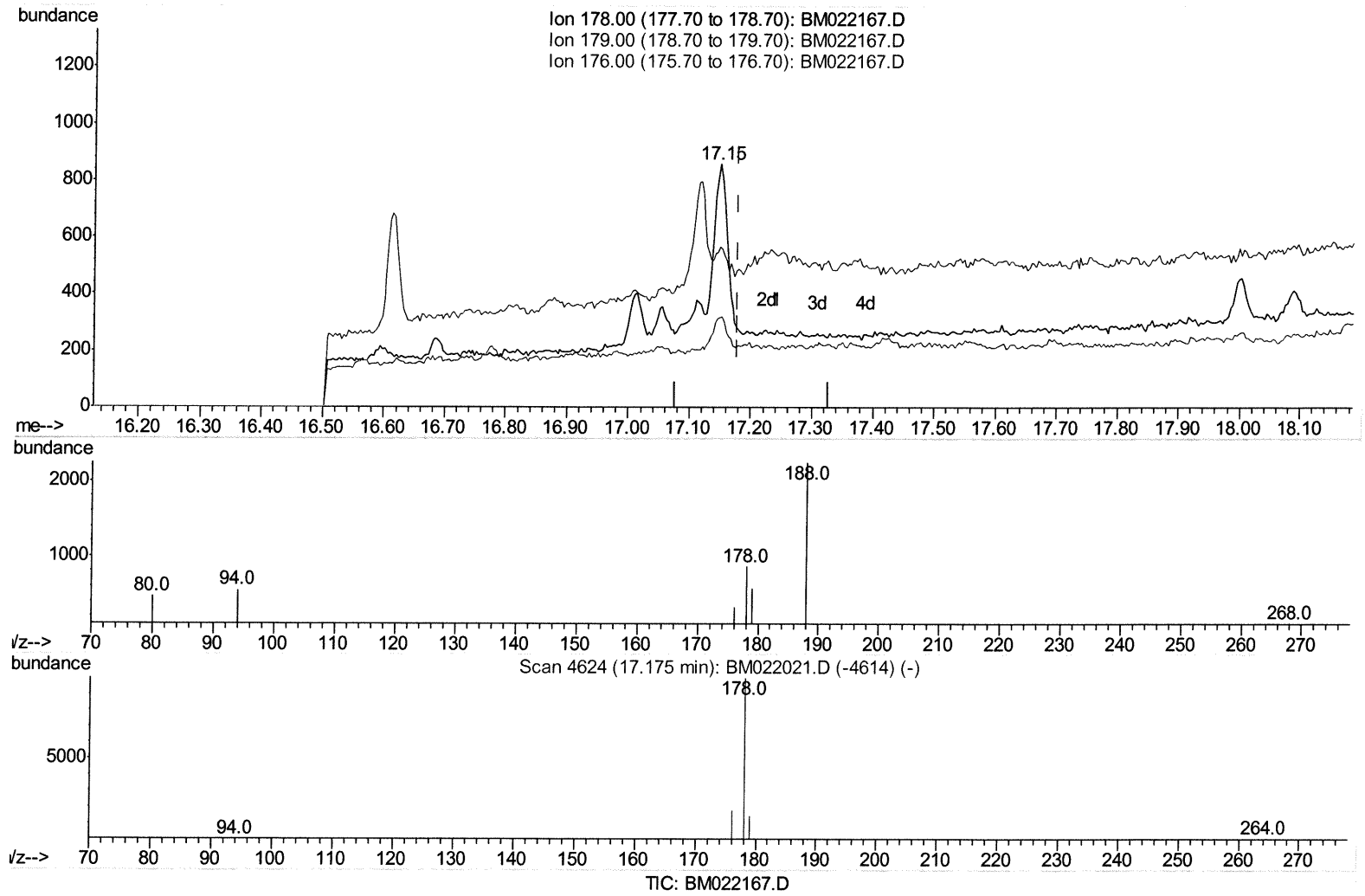


(13) Anthracene

17.149min (-0.029) 0.07ng/ul m JU 08/20/19

response 958

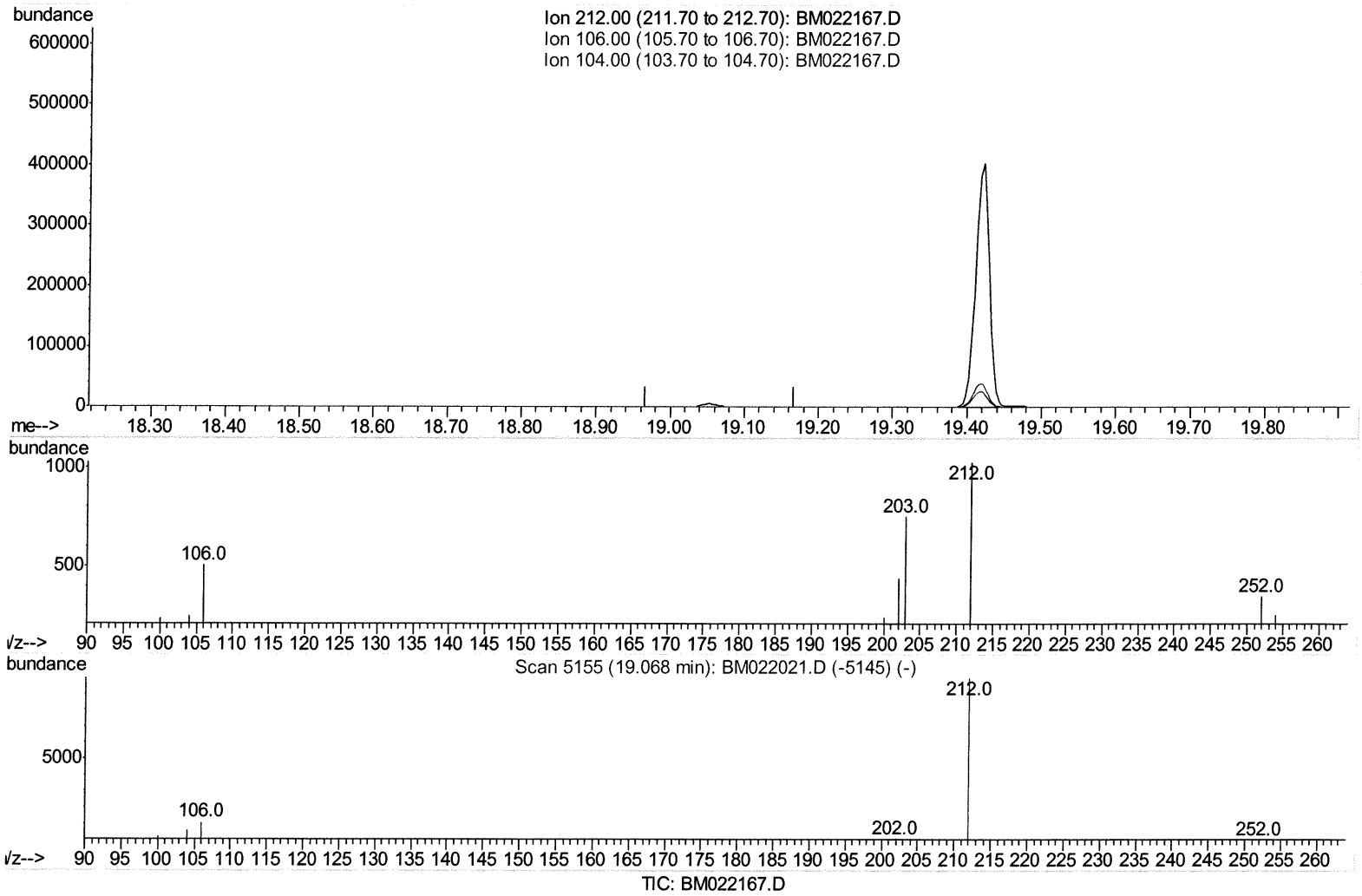
Ion	Exp%	Act%
178.00	100	100
179.00	19.40	65.97#
176.00	20.80	36.95#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:12:20 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 :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM



(14) Fluoranthene-d10 (SURR)

19.068min (-19.068) 0.00ng/ul

response 0

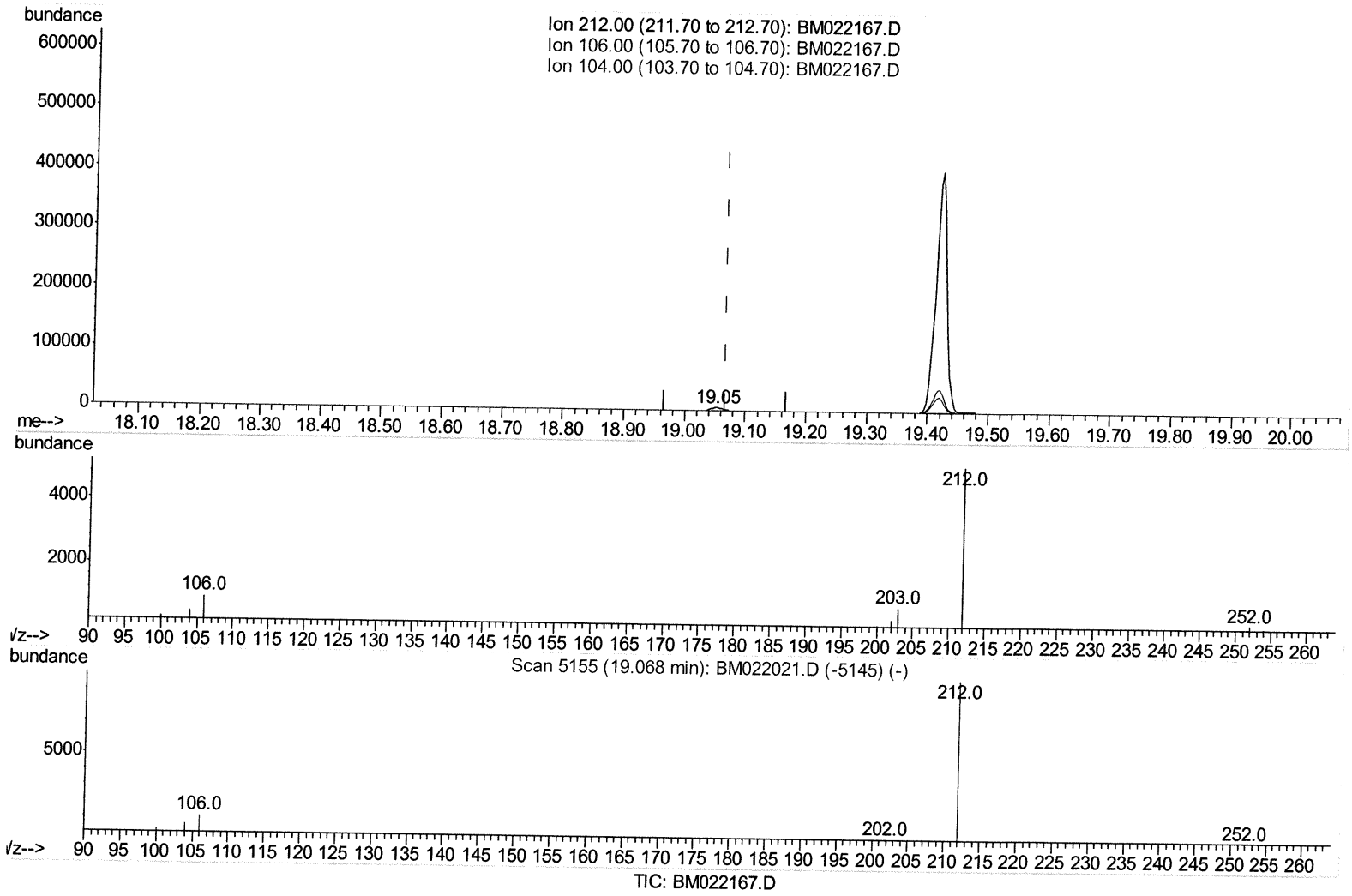
Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:12:20 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 :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM



(14) Fluoranthene-d10 (SURR)

19.051min (-0.017) 0.41ng/ul m JU 08/20/19

response 7306

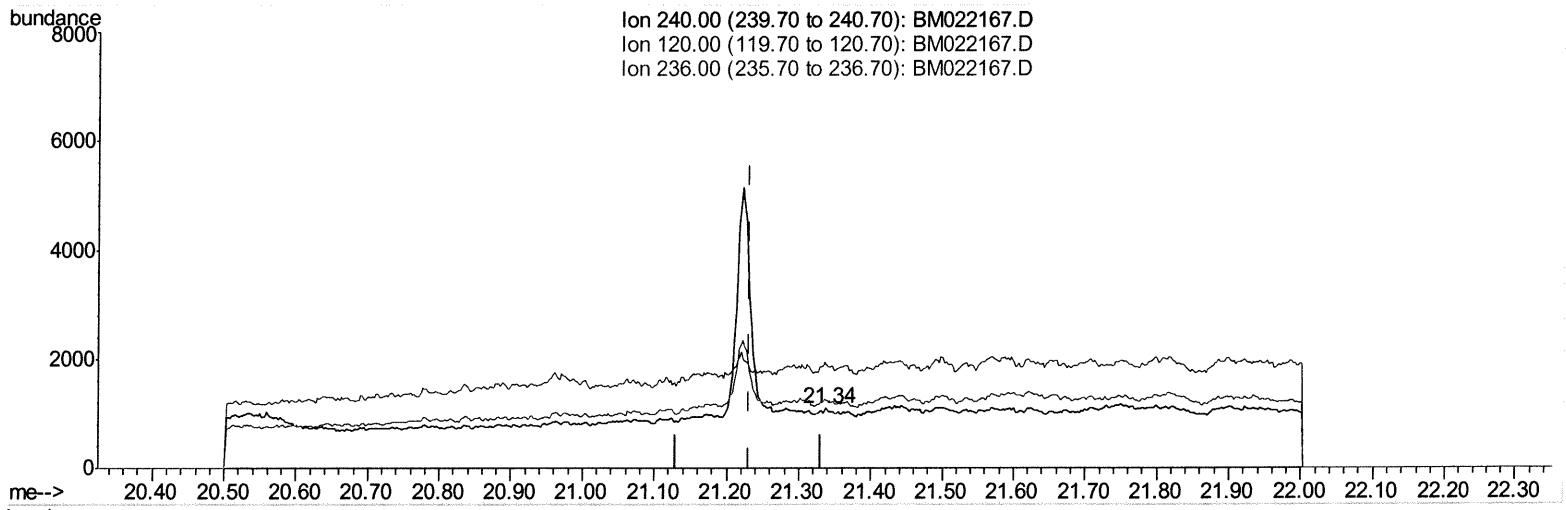
Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

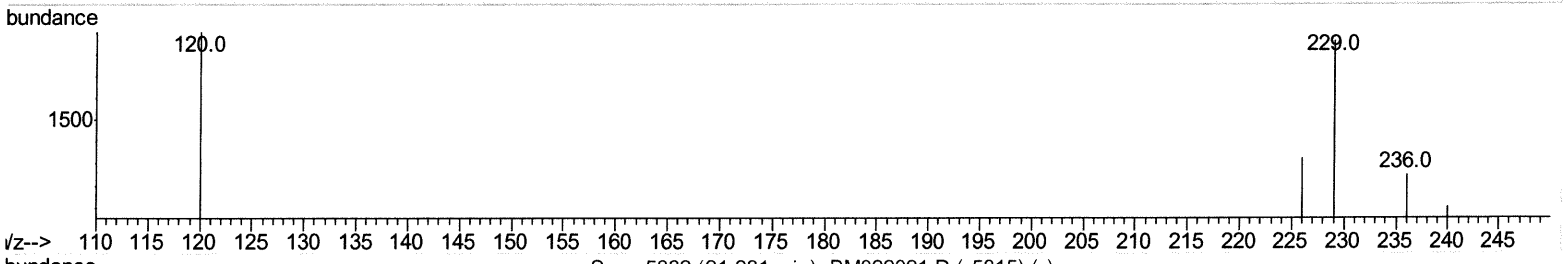
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

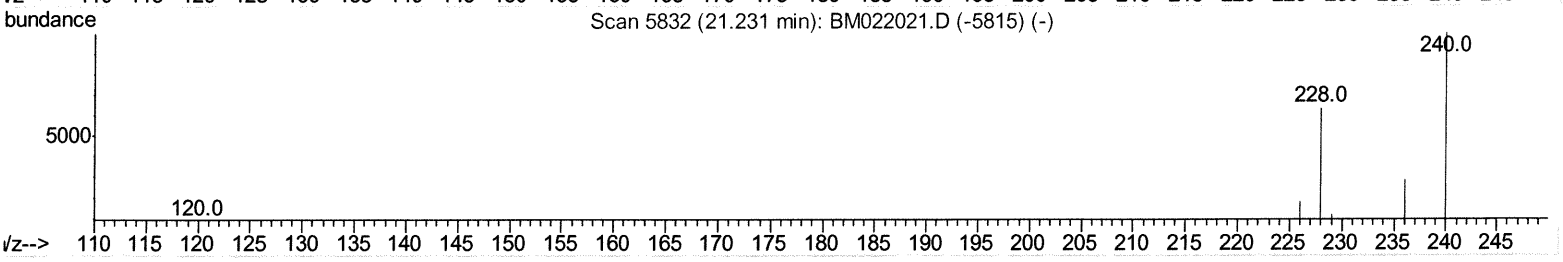
Quant Time: Aug 16 16:12:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM







TIC: BM022167.D

(16) Chrysene-d12 (I)

21.338min (+0.107) 0.40ng/ul

response 97

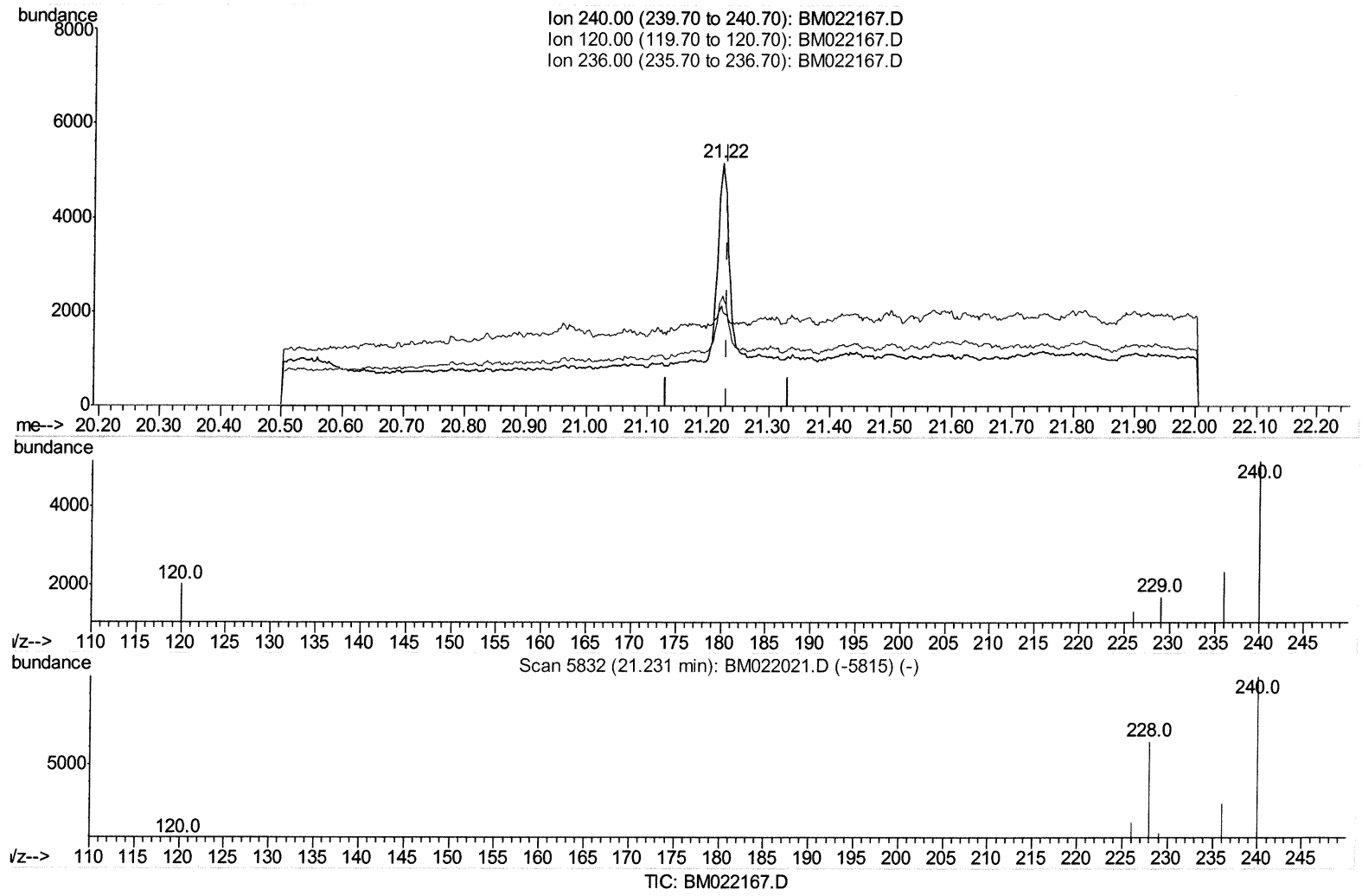
Ion	Exp%	Act%
240.00	100	100
120.00	16.20	172.87#
236.00	32.30	113.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 16 16:12:20 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 :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM



TIC: BM022167.D

(16) Chrysene-d12 (I)

21.222min (-0.009) 0.40ng/ul m JU 08/20/19

response 5600

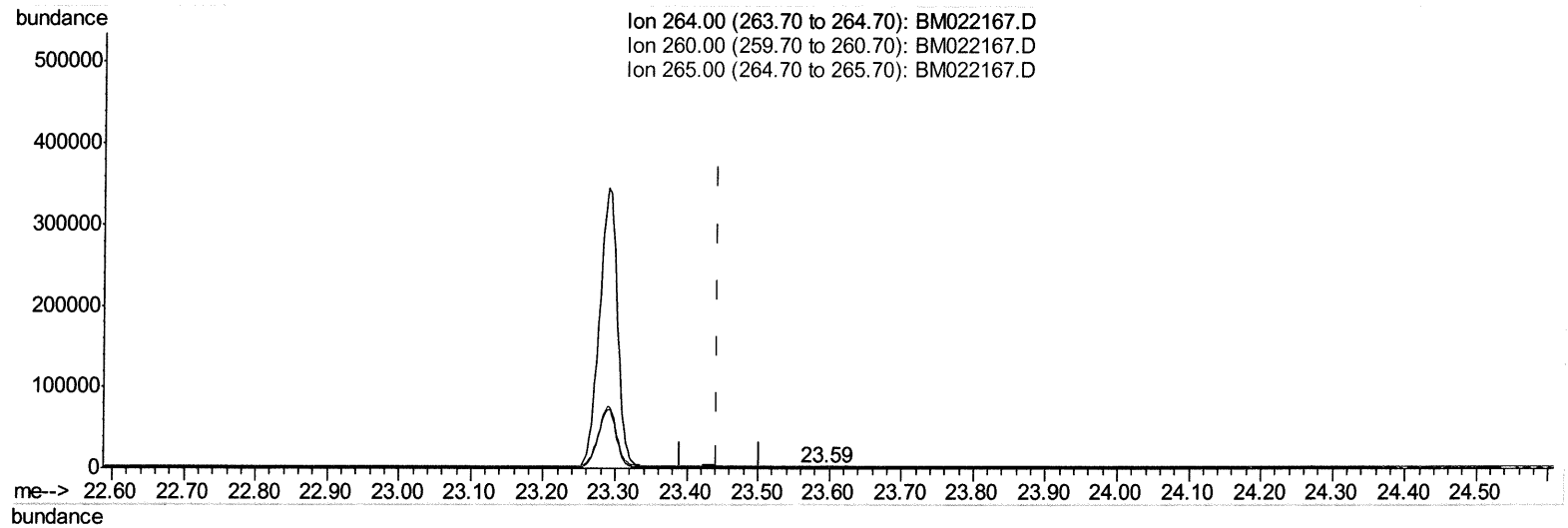
Ion	Exp%	Act%
240.00	100	100
120.00	16.20	39.11#
236.00	32.30	45.31#
0.00	0.00	0.00

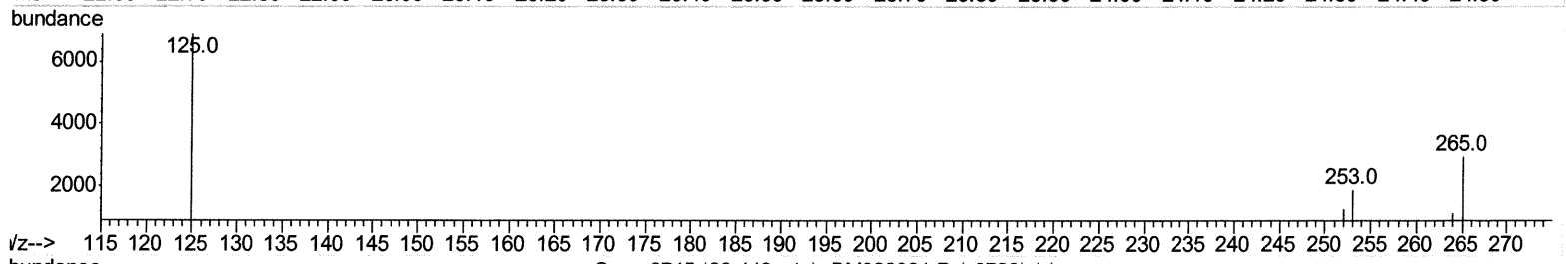
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

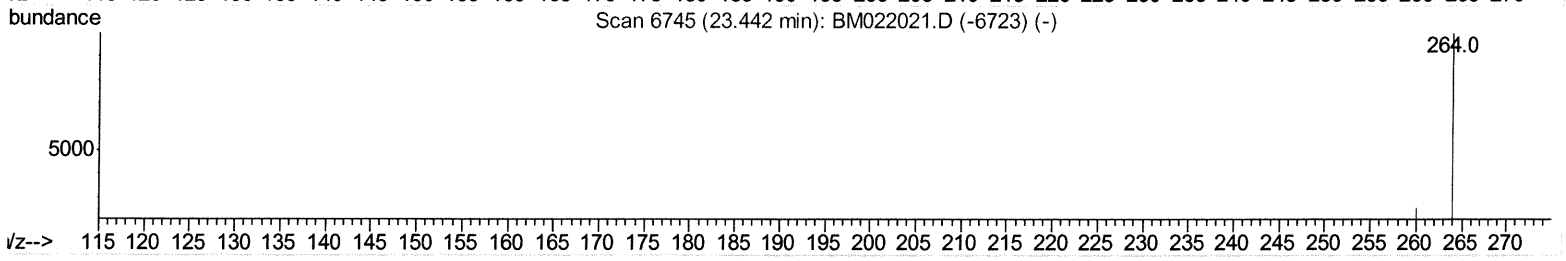
Quant Time: Aug 16 16:13:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM







TIC: BM022167.D

(20) Perylene-d12 (I)

23.593min (+0.151) 0.40ng/ul

response 42

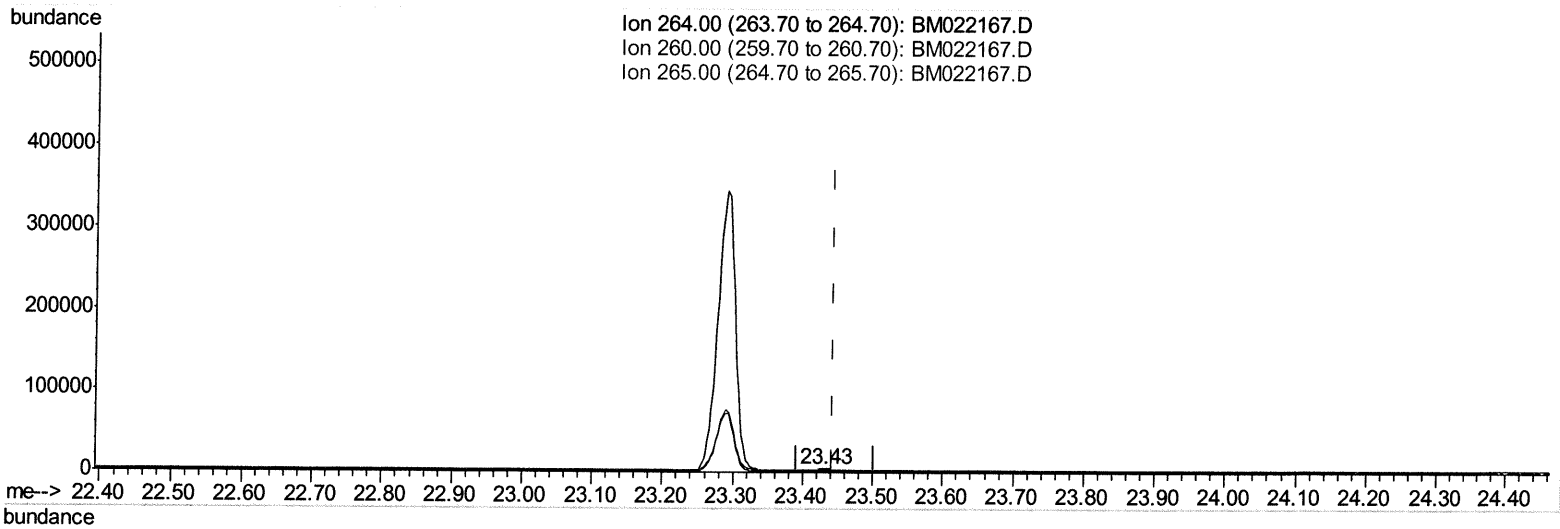
Ion	Exp%	Act%
264.00	100	100
260.00	27.50	79.33#
265.00	117.00	259.89#
0.00	0.00	0.00

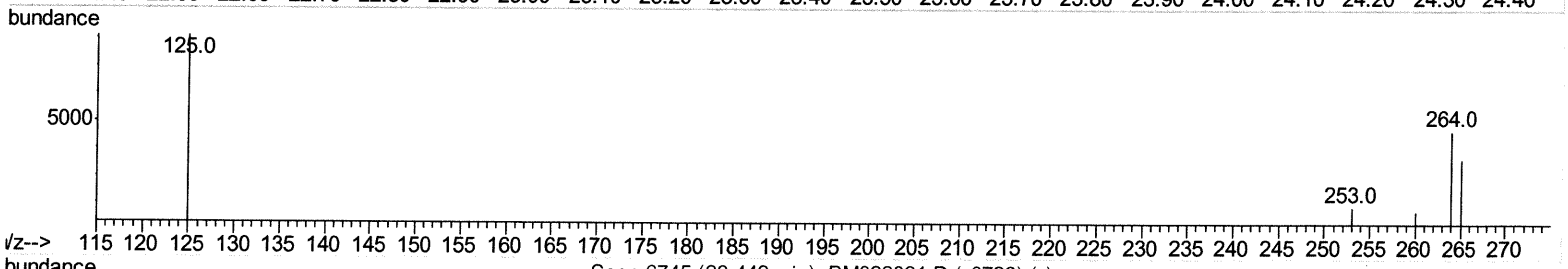
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

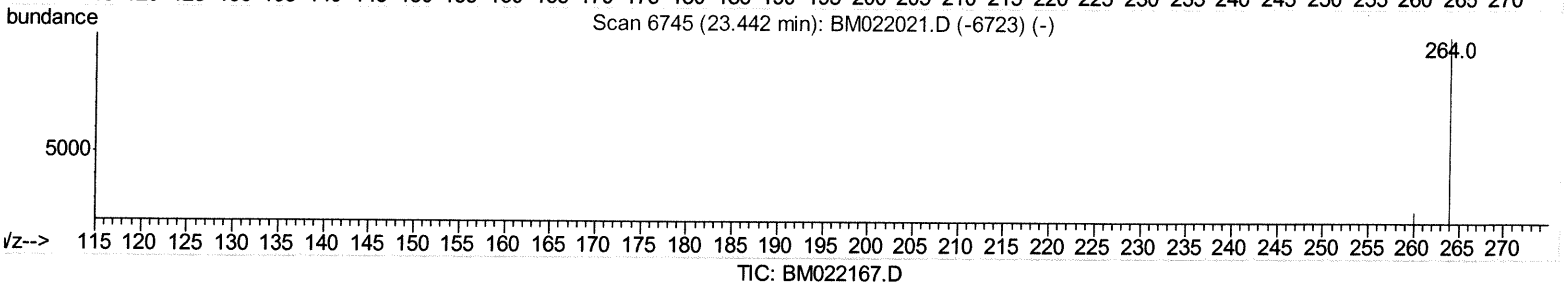
Quant Time: Aug 16 16:13:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 14:59:47 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM







(20) Perylene-d12 (I)

23.431min (-0.011) 0.40ng/ul m JU 08/20/19

response 5405

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	37.32#
265.00	117.00	77.69#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081519\
Data File : BM022167.D
Acq On : 16 Aug 2019 05:32
Operator : HP/JU
Sample : K4337-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AD0

Manual Integrations APPROVED
mohammad
8/19/2019 10:46:39 AM

Quant Time: Aug 16 16:13:59 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	915	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3764	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	2166	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	5262m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5600m	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	5405m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2356	0.38	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	7306m	0.41	ng/ul	-0.02
Target Compounds						Qvalue
8) Acenaphthene	14.32	153	3801	0.460	ng/ul	96
13) Anthracene	17.15	178	958m	0.073	ng/ul	

JU 08/20/19

JU 08/20/19

JU 08/20/19

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