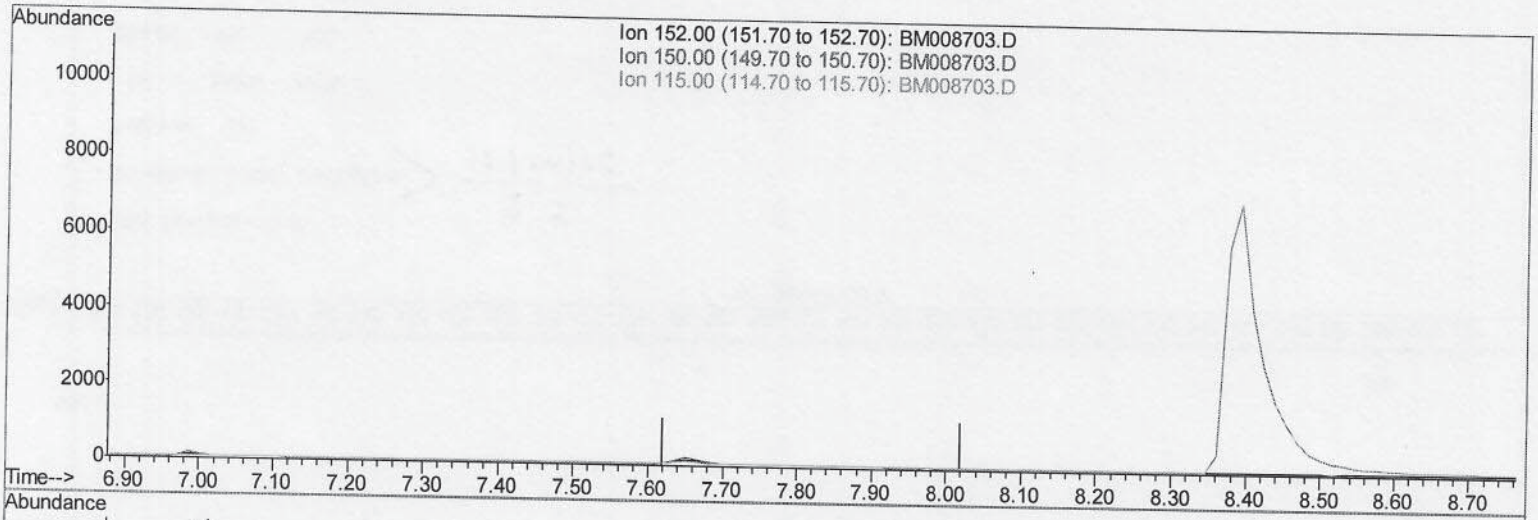
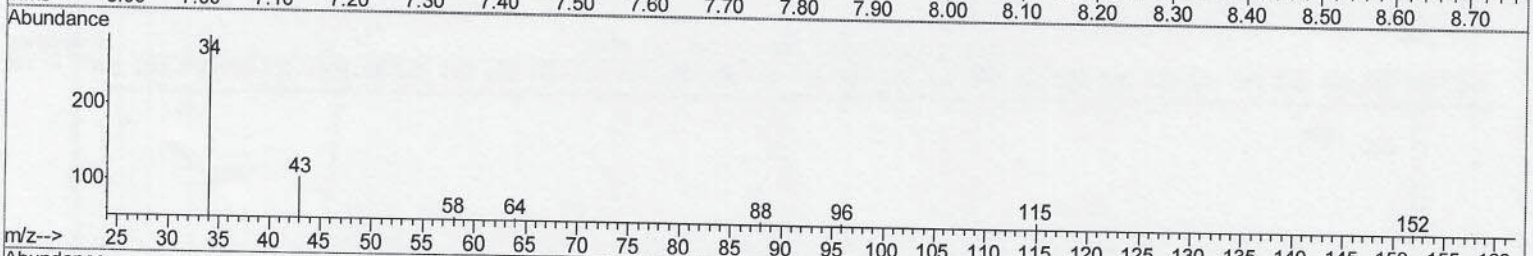
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

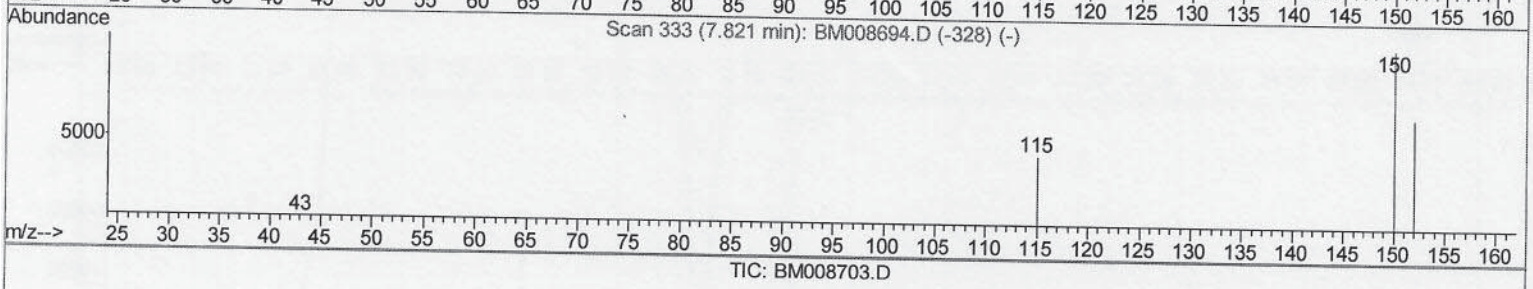
Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM







TIC: BM008703.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.821min (-7.821) 0.00ng/ul

response 0

Ion	Exp%	Act%
152.00	100	0.00
150.00	143.40	0.00#
115.00	64.90	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
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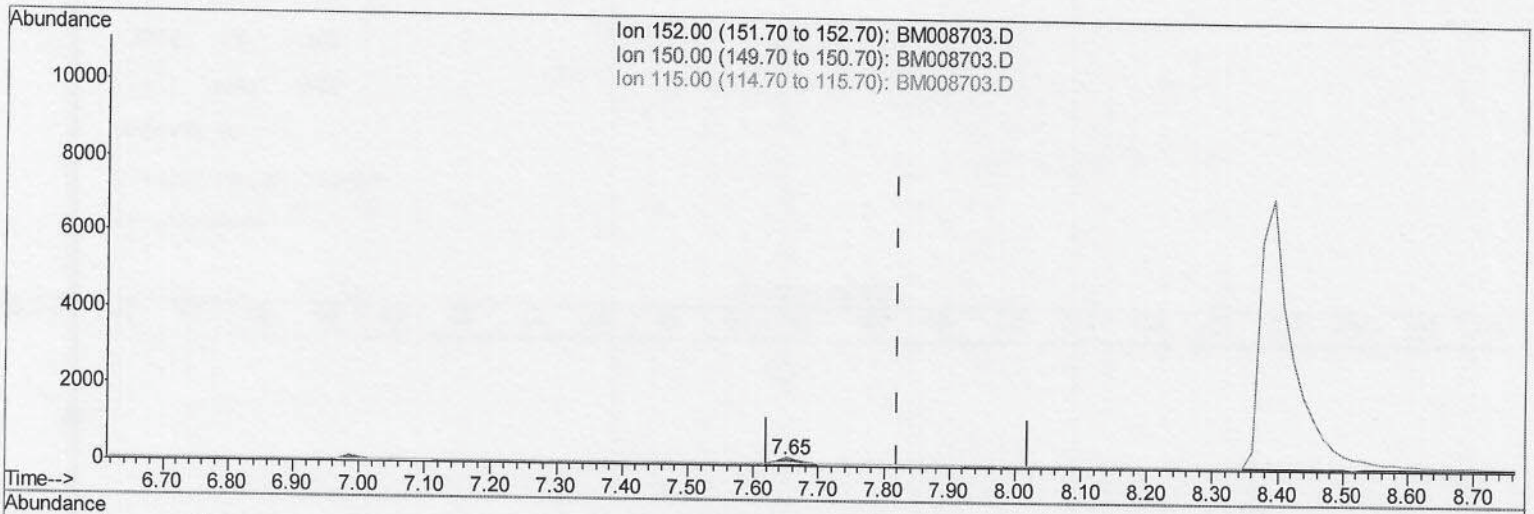

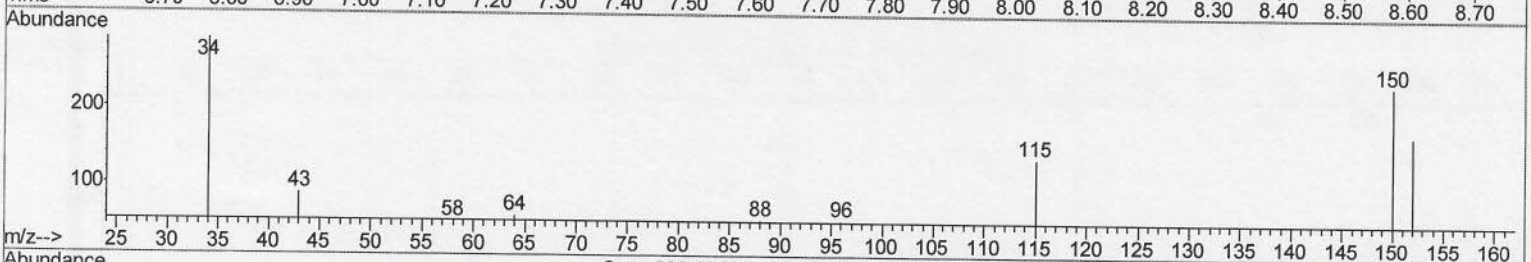

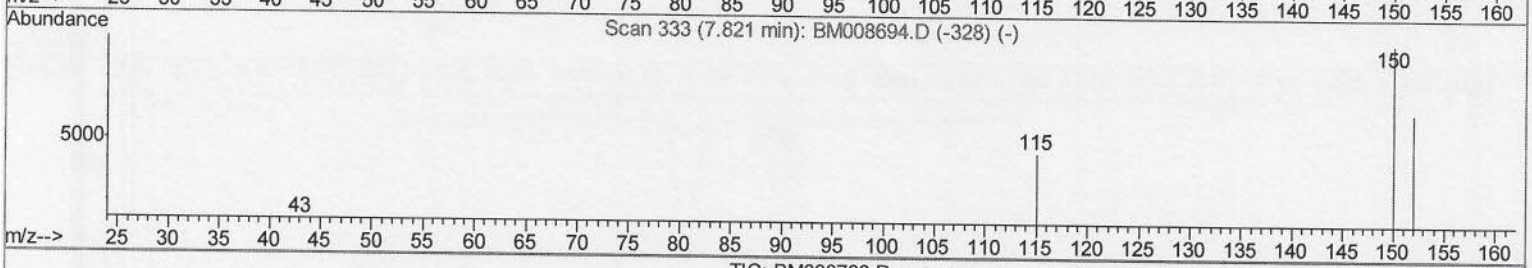

TIC: BM008703.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.650min (-0.170) 0.40ng/ul m

S.J 12/30/16

response 379

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	137.21
115.00	64.90	80.23#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
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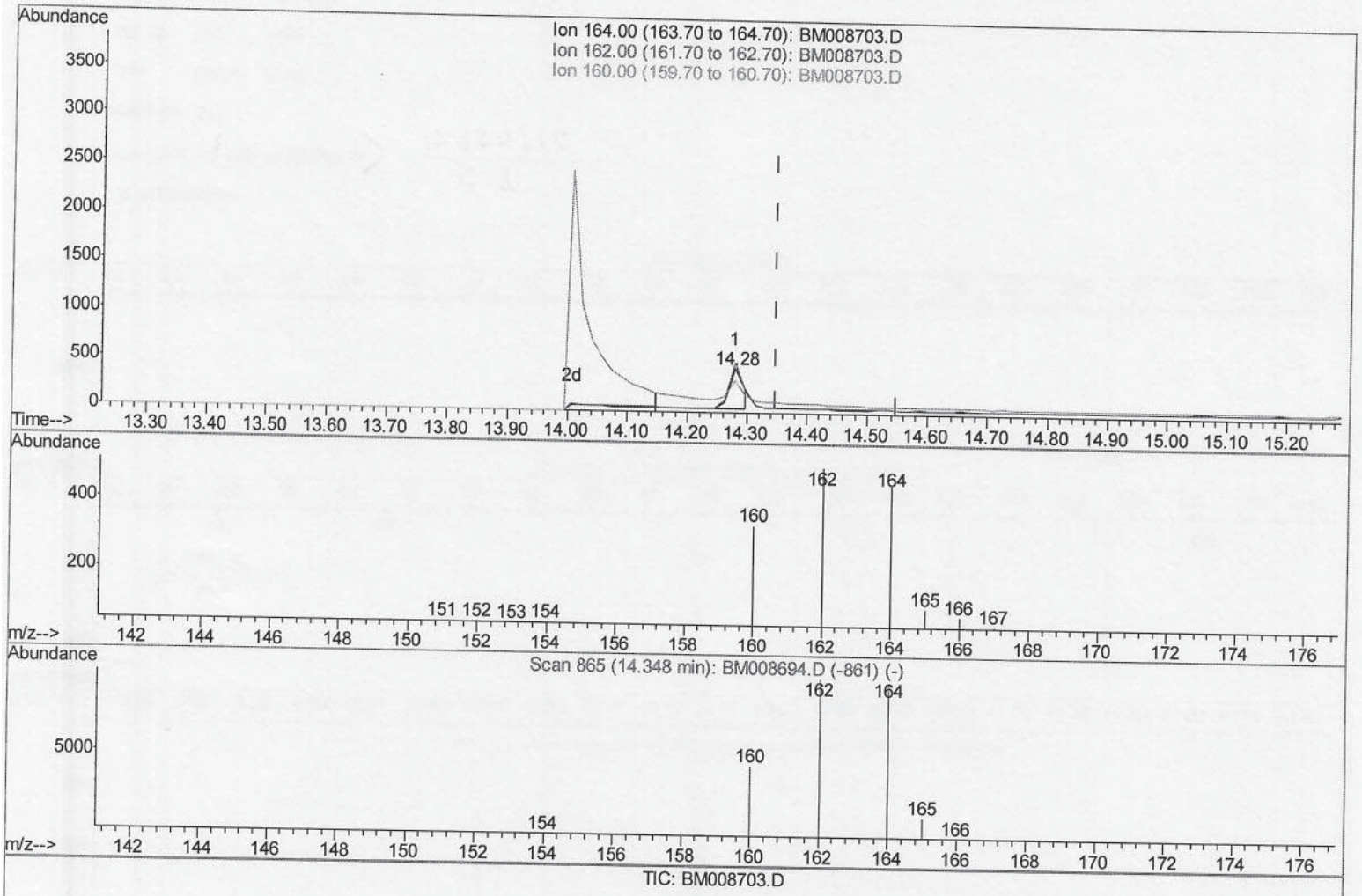


TIC: BM008703.D

(6) Acenaphthene-d10 (I)

14.280min (-0.069) 0.40ng/ul

response 678

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	111.33
160.00	48.80	73.86#
0.00	0.00	0.00

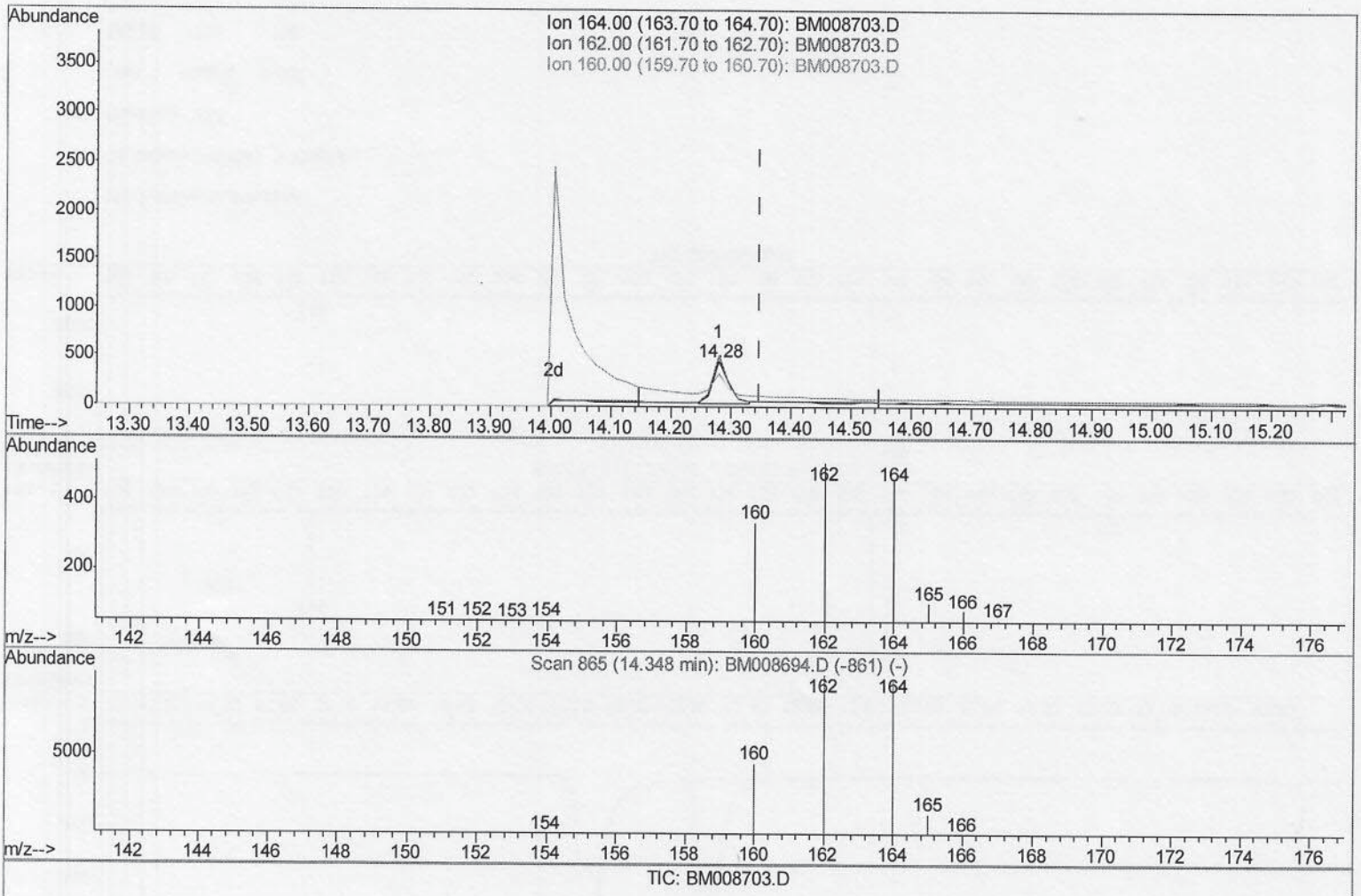
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM



TIC: BM008703.D

(6) Acenaphthene-d10 (I)

14.280min (-0.069) 0.40ng/ul m

S.J. 12/30/16

response 782

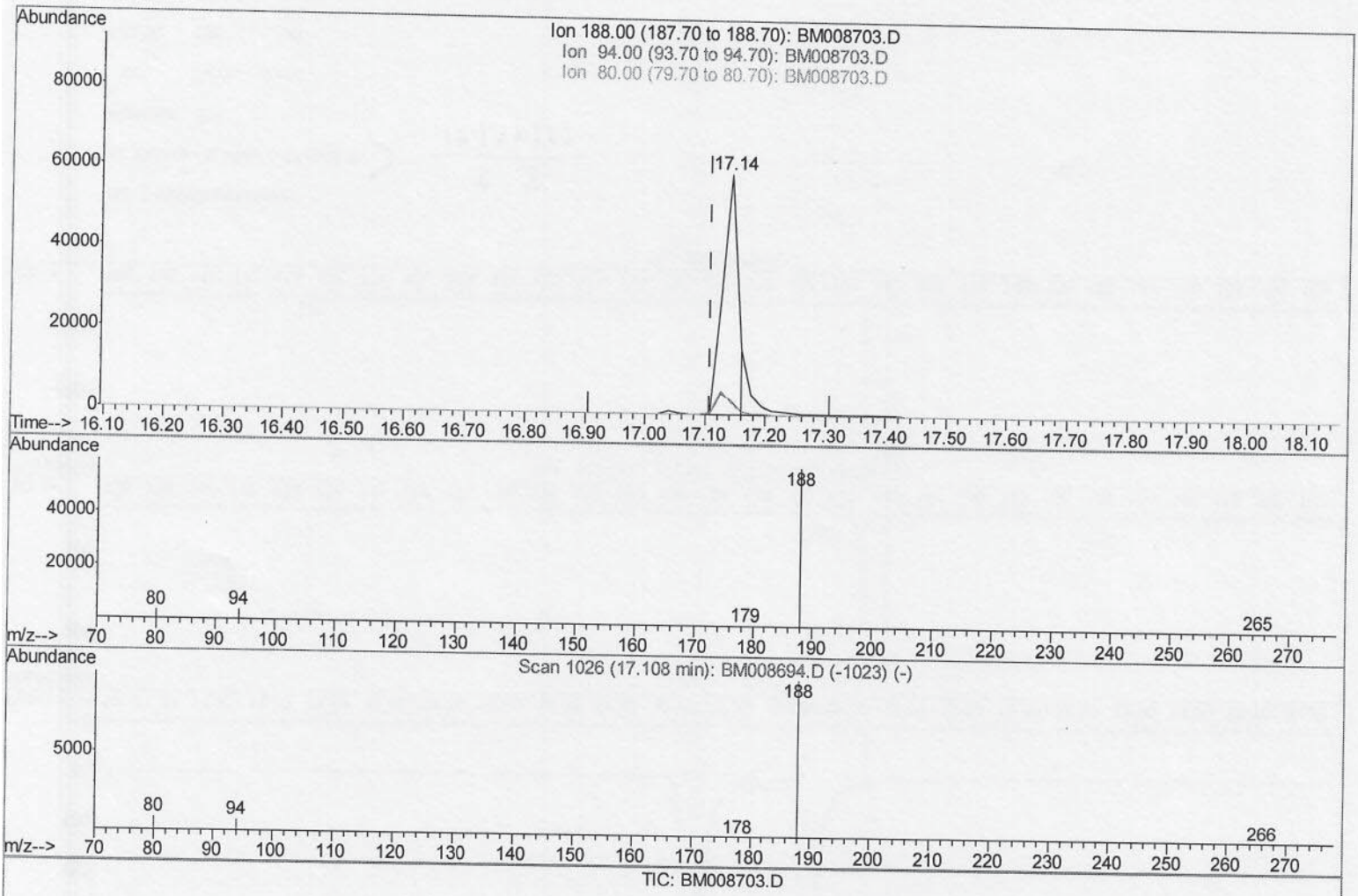
Ion	Exp%	Act%
164.00	100	100
162.00	98.60	111.33
160.00	48.80	73.86#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM



(10) Phenanthrene-d10 (I)

17.142min (+0.034) 0.40ng/ul

response 107544

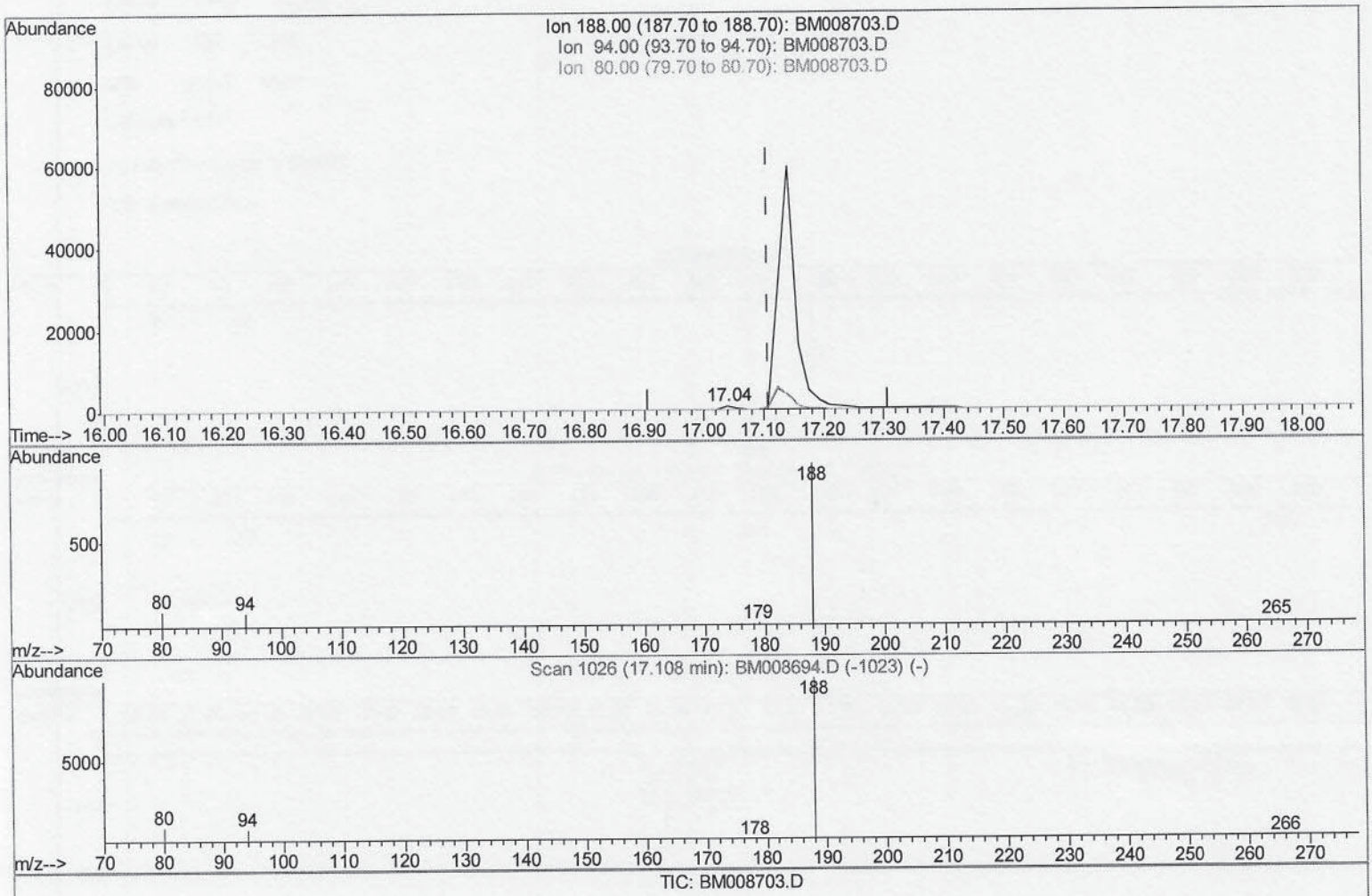
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	5.93#
80.00	11.80	5.44#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM



(10) Phenanthrene-d10 (I)

17.039min (-0.069) 0.40ng/ul m > S.J 12/30/16

response 1417

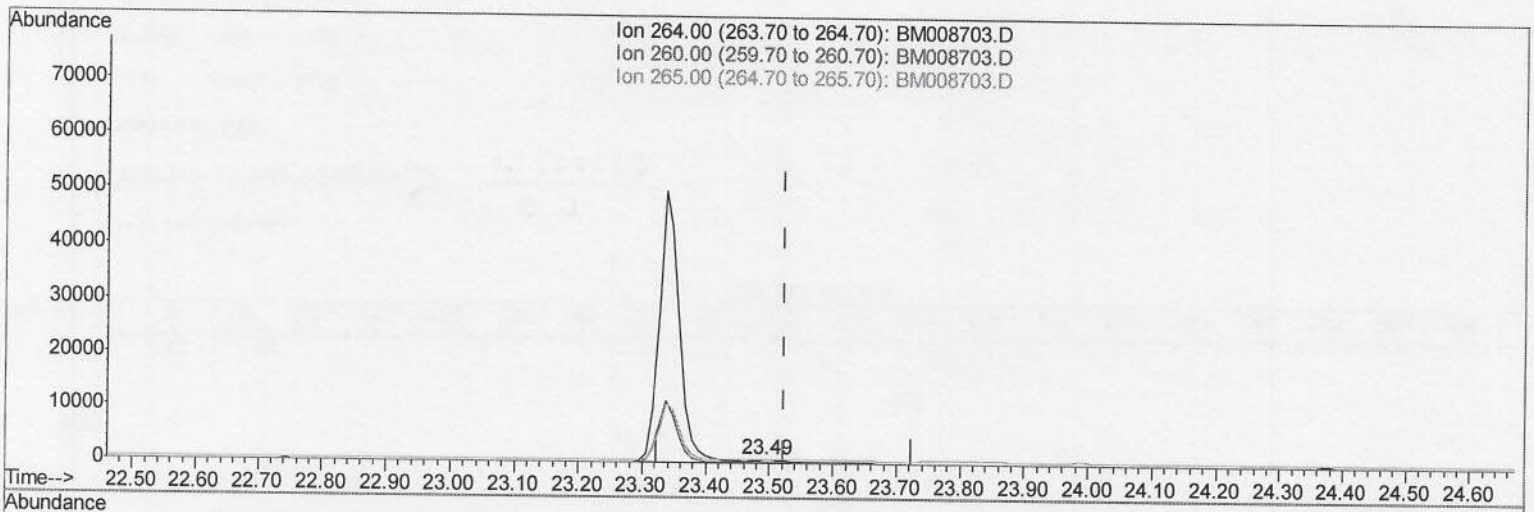
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.30#
80.00	11.80	14.51#
0.00	0.00	0.00

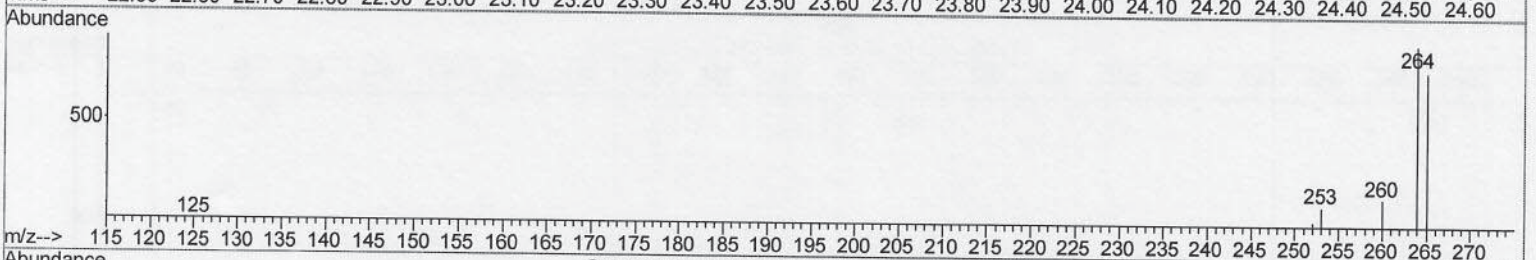
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

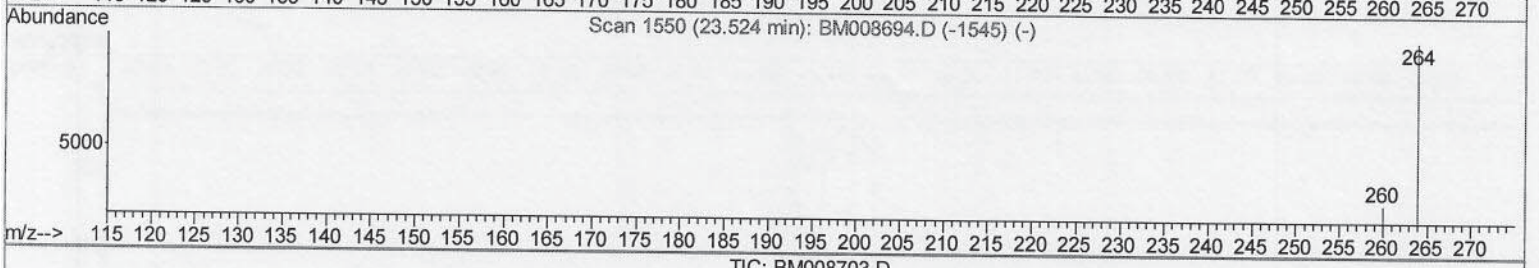
Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM







(20) Perylene-d12 (I)

23.493min (-0.031) 0.40ng/ul

response 2001

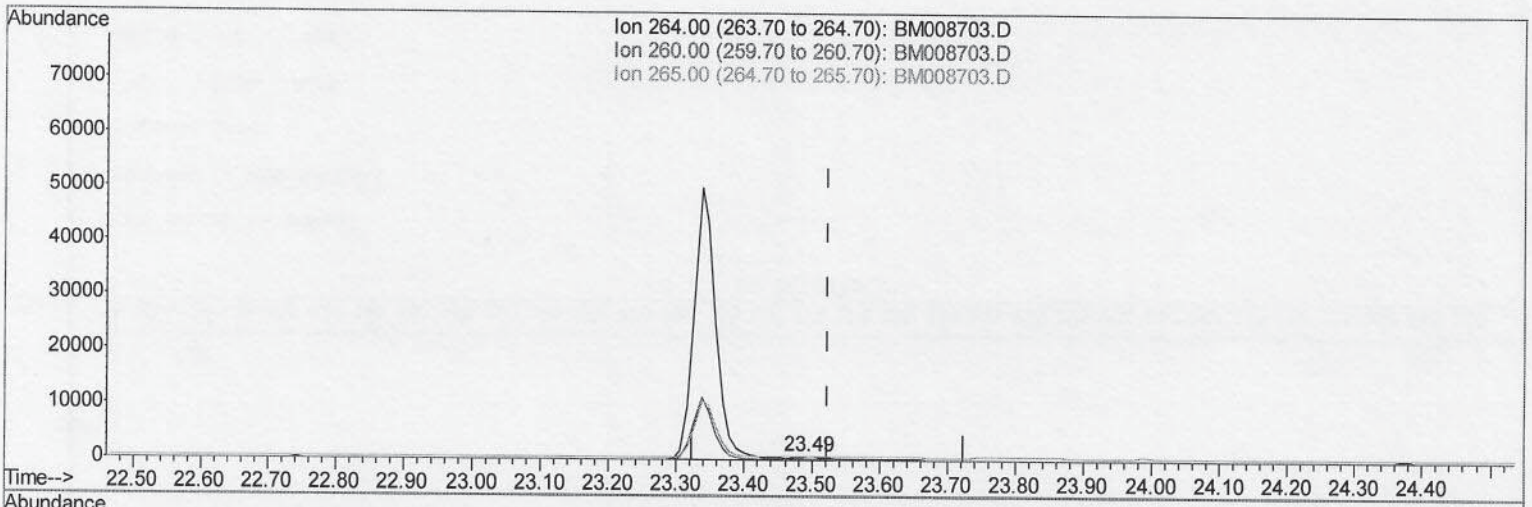
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.34
265.00	103.50	88.28
0.00	0.00	0.00

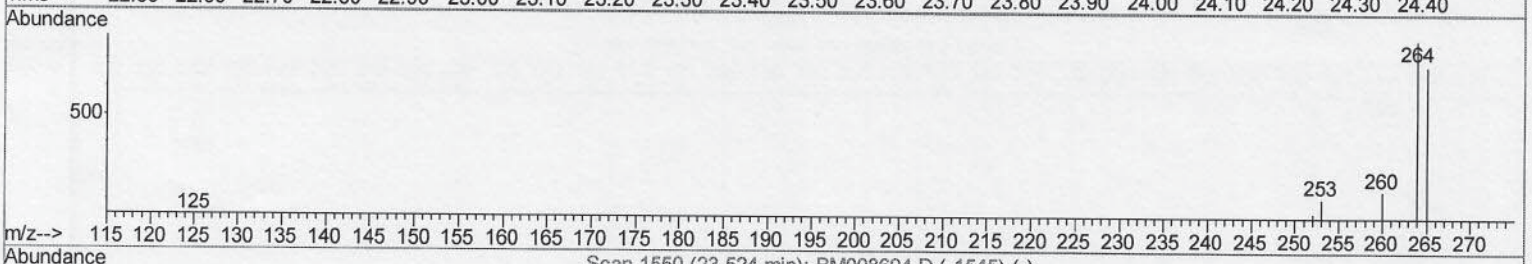
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

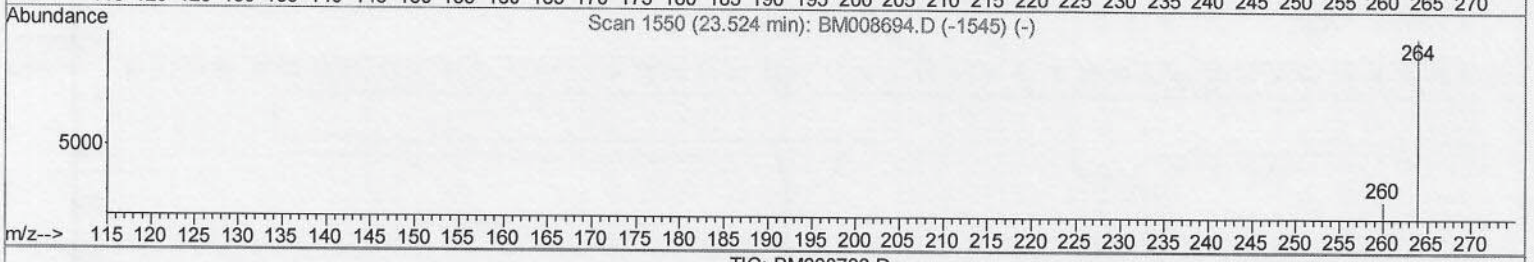
Quant Time: Dec 29 03:33:55 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM







TIC: BM008703.D

(20) Perylene-d12 (I)

23.493min (-0.031) 0.40ng/ul m > S.J. 12/30/16

response 1079

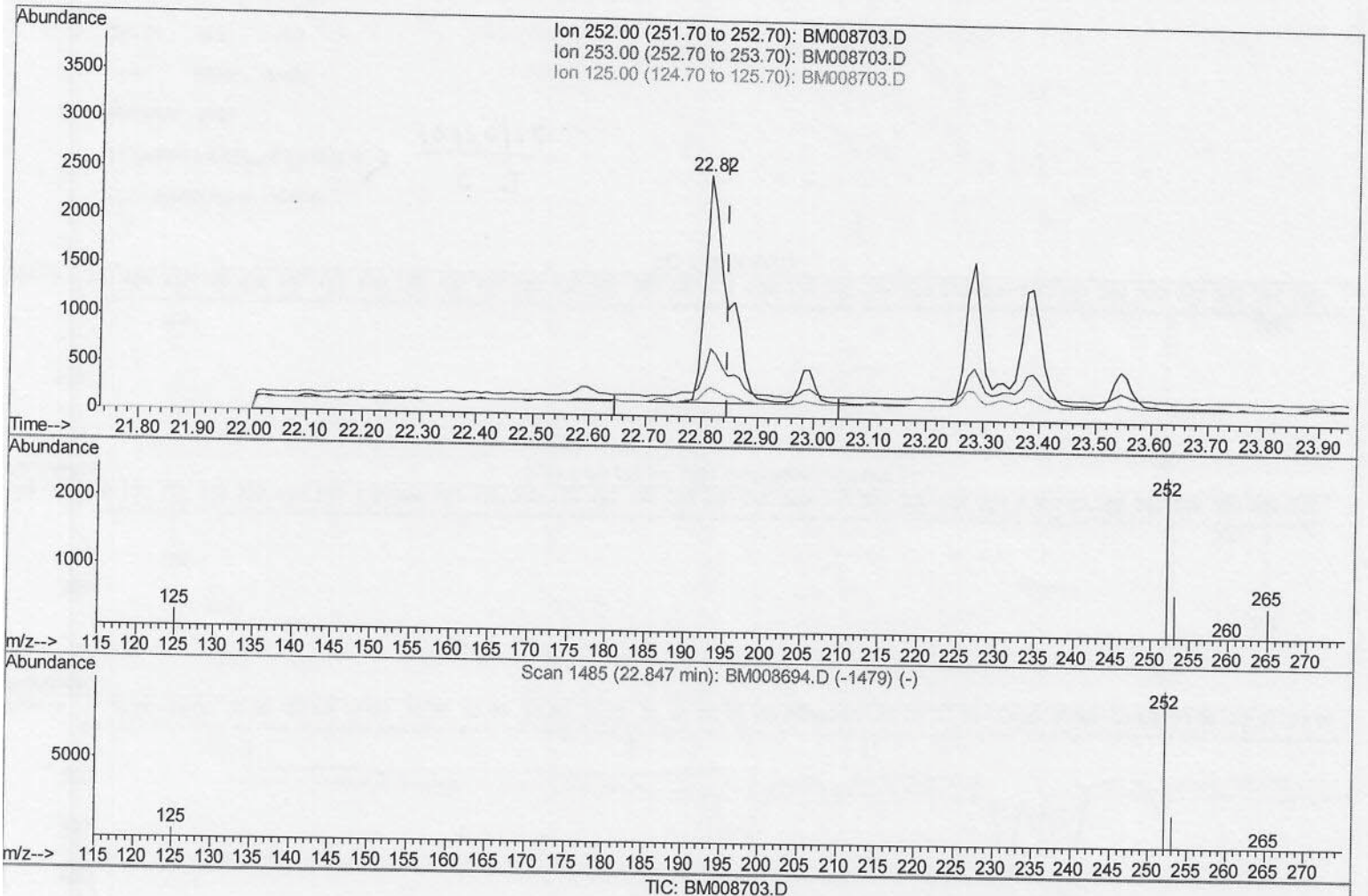
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	31.34
265.00	103.50	88.28
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 04:33:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM



TIC: BM008703.D

(21) Benzo(b)fluoranthene

22.815min (-0.031) 1.59ng/ul

response 6763

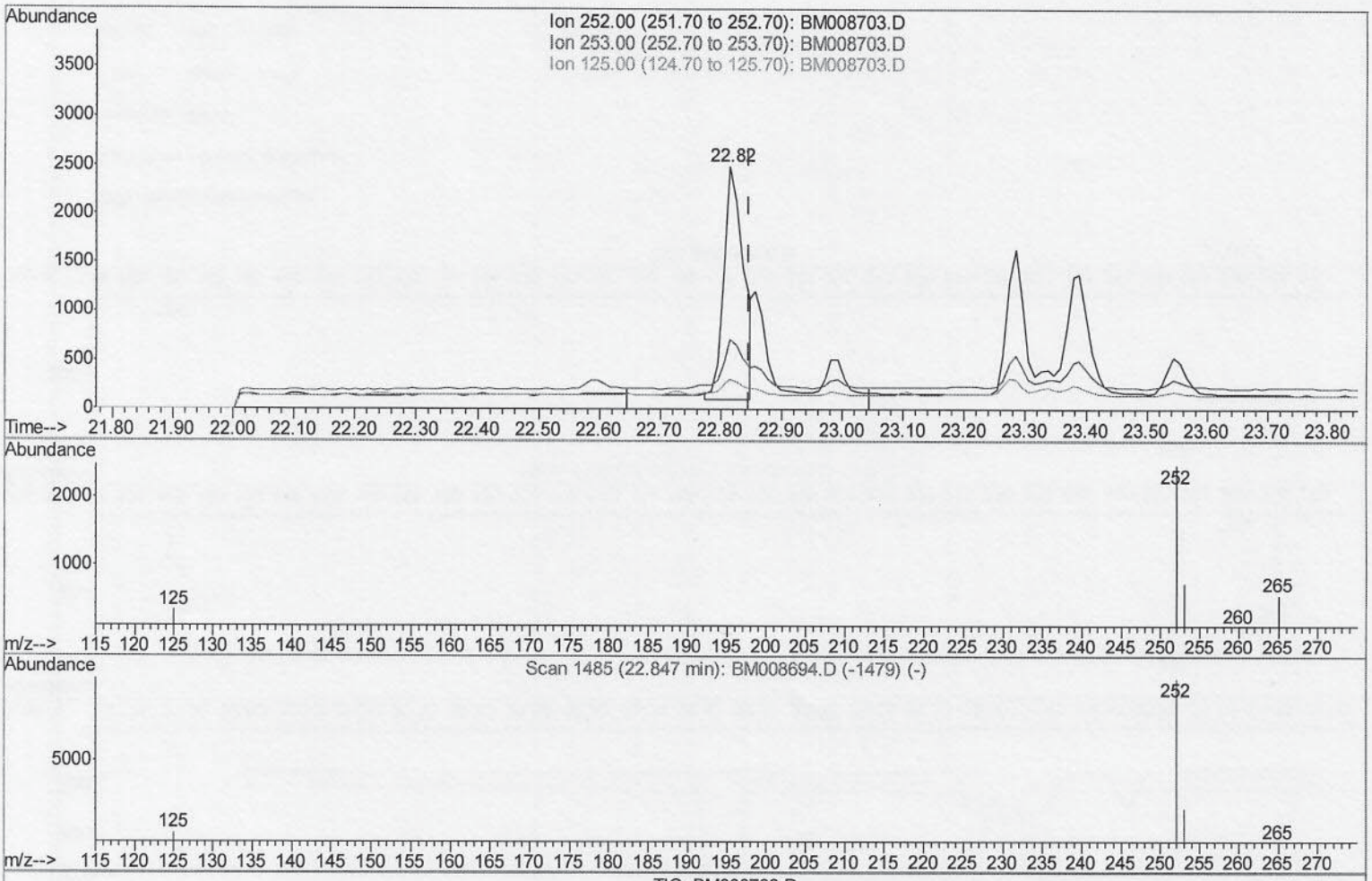
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.56
125.00	17.50	12.47
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 04:33:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM



(21) Benzo(b)fluoranthene

22.815min (-0.031) 1.27ng/ul m

S.J. 12/30/16

response 5389

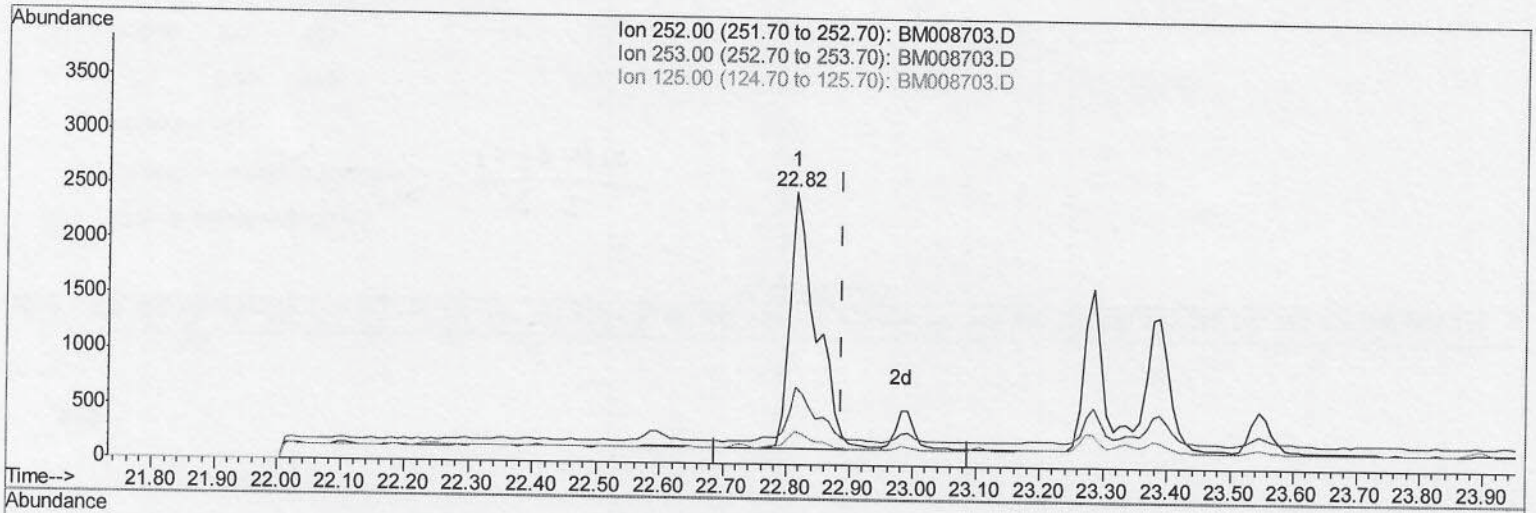
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	28.56
125.00	17.50	12.47
0.00	0.00	0.00

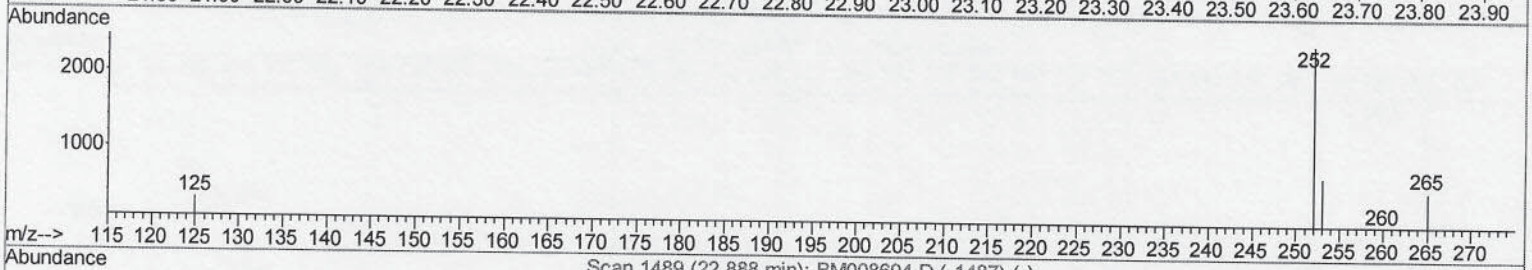
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

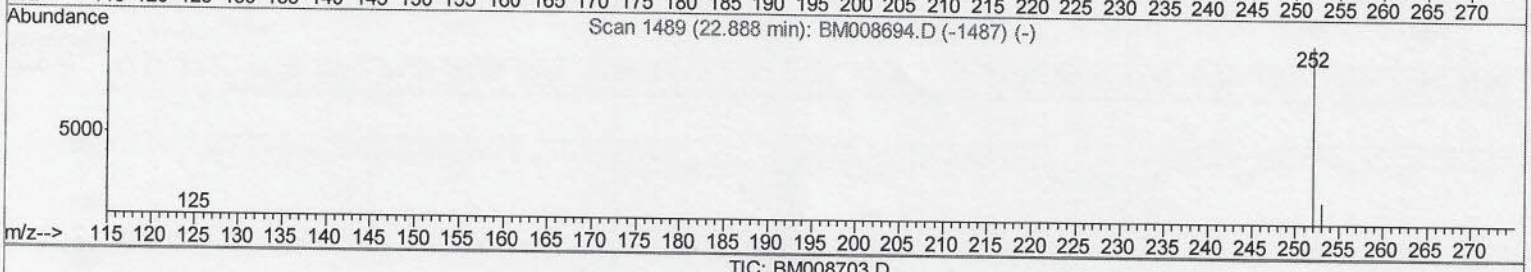
Quant Time: Dec 29 04:33:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM







TIC: BM008703.D

(22) Benzo(k)fluoranthene

22.815min (-0.073) 1.63ng/ul

response 6763

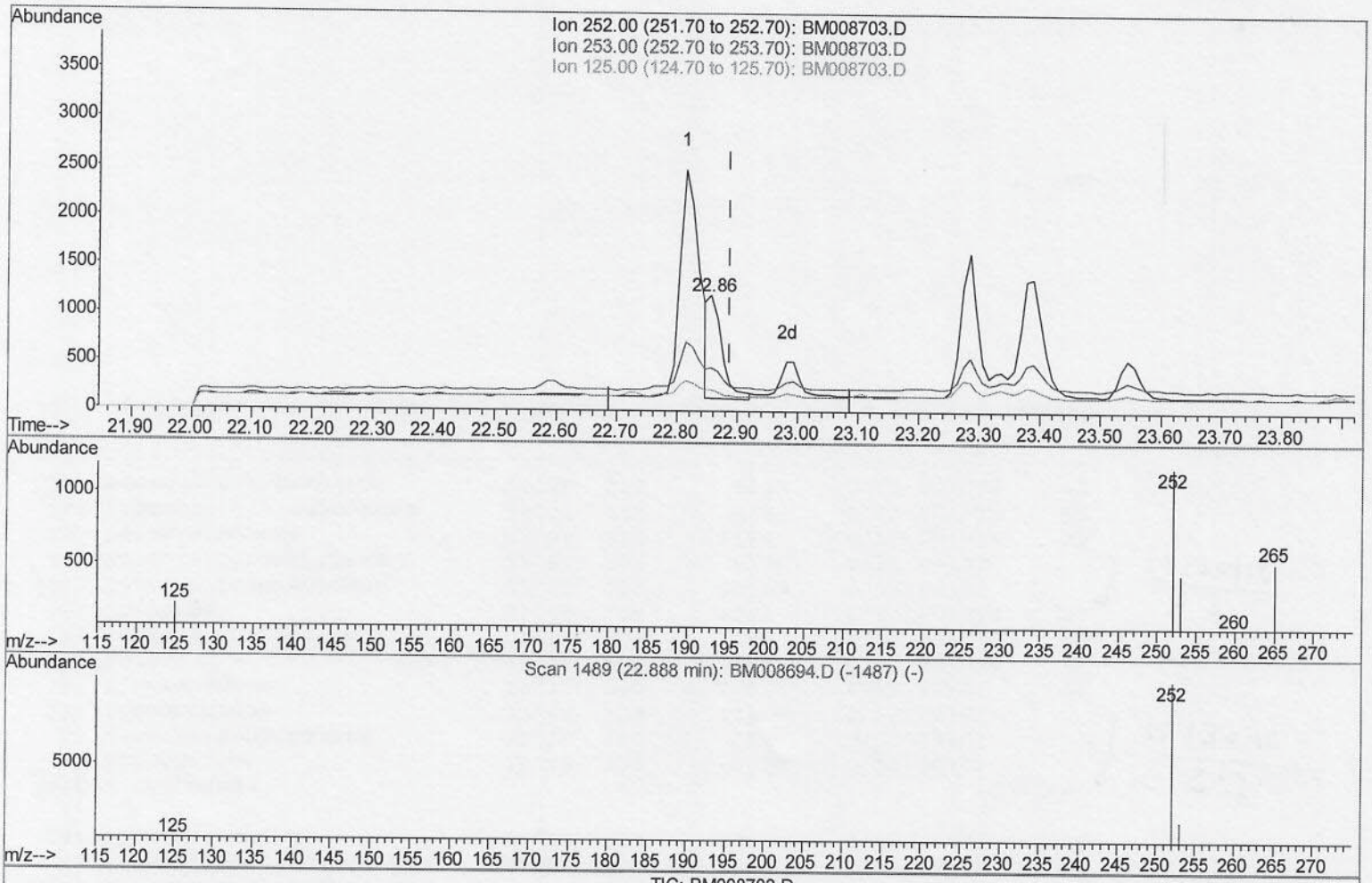
Ion	Exp%	Act%
252.00	100	100
253.00	30.60	28.56
125.00	17.10	12.47#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 04:33:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM



TIC: BM008703.D

(22) Benzo(k)fluoranthene

22.857min (-0.031) 0.39ng/ul m > S.J. 12/30/16

response 1612

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	37.30#
125.00	17.10	18.11
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 04:33:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
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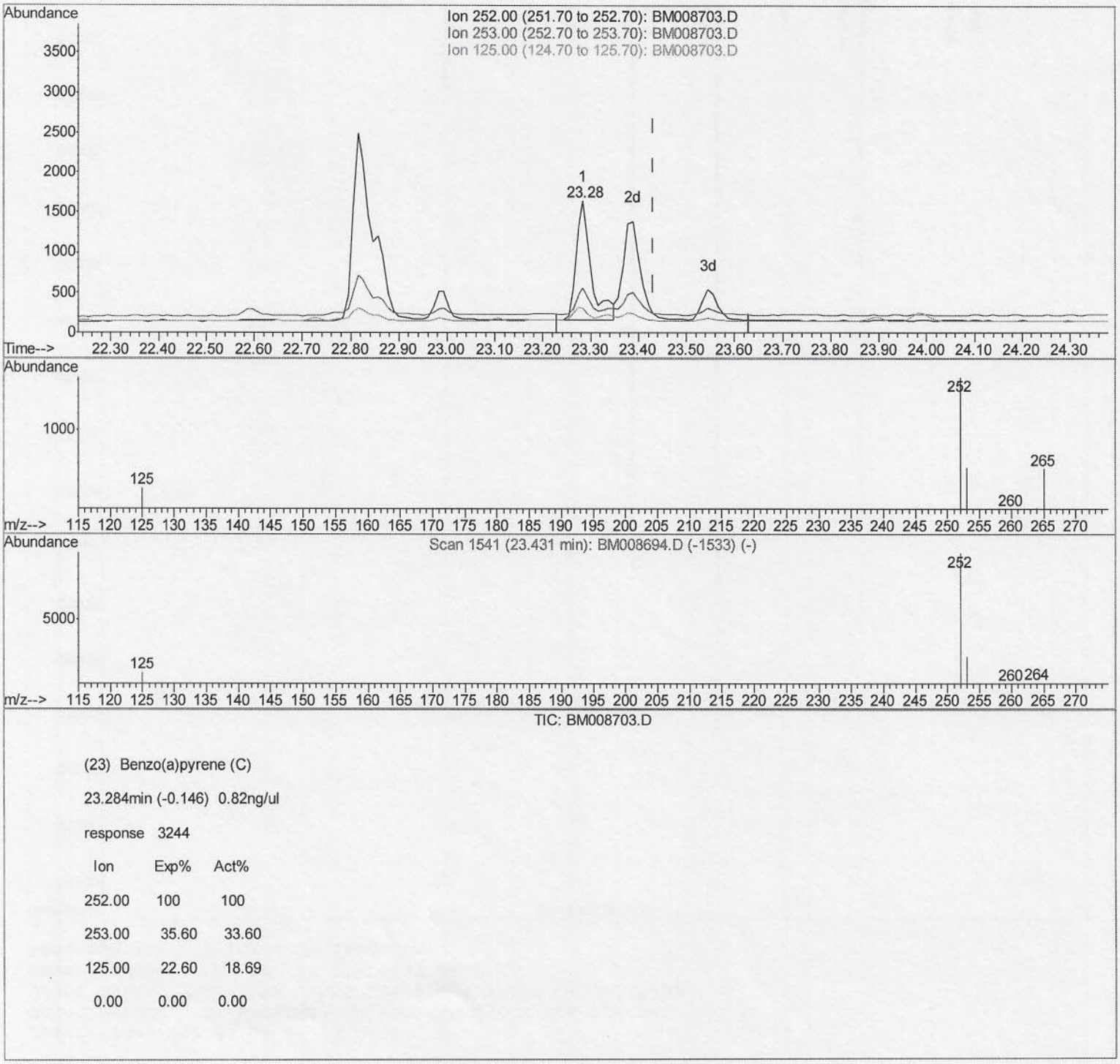
12/30/2016 8:53:50 AM



TIC: BM008703.D

(23) Benzo(a)pyrene (C)

23.284min (-0.146) 0.82ng/ul

response 3244

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	33.60
125.00	22.60	18.69
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 04:33:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
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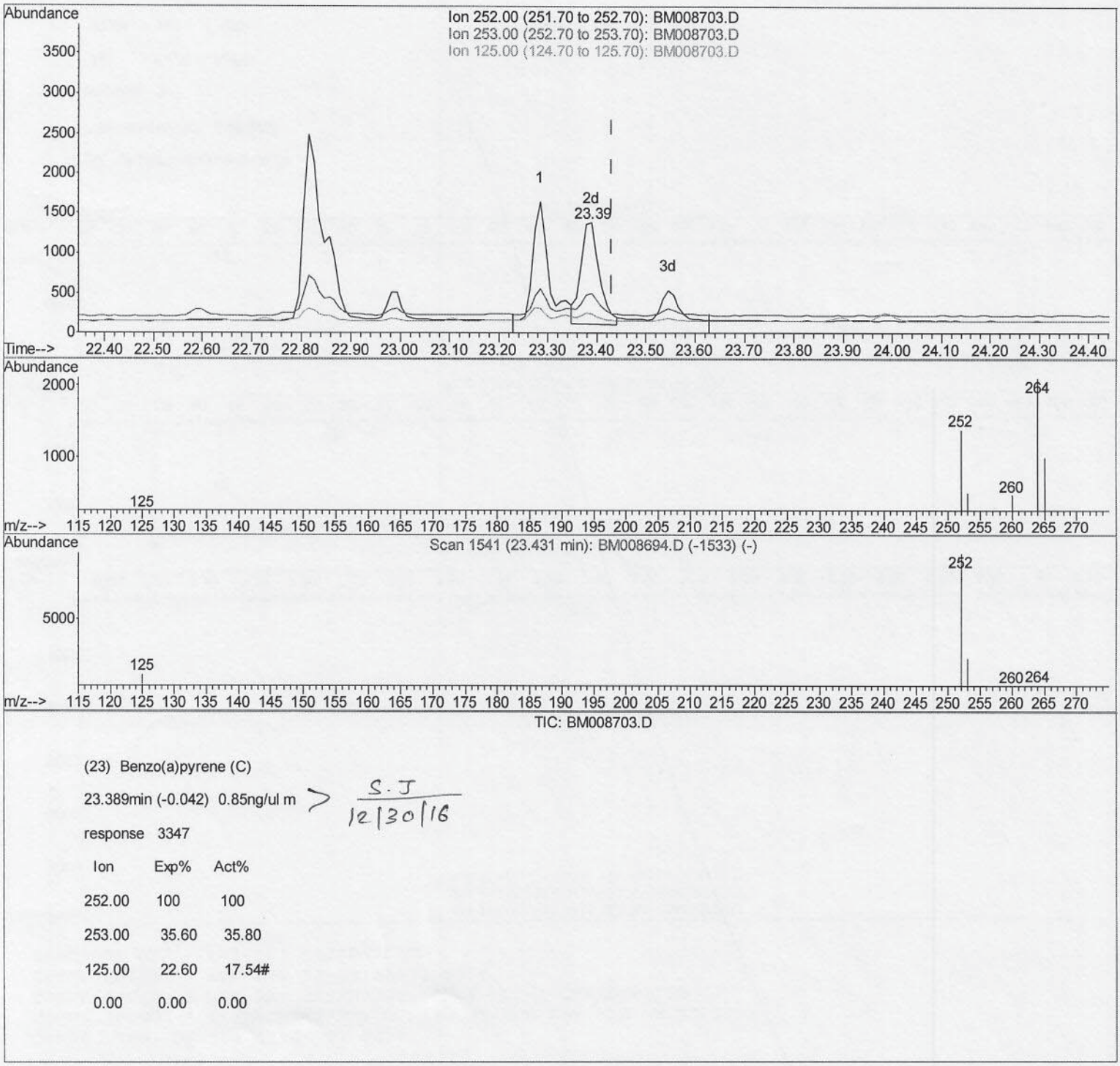
12/30/2016 8:53:50 AM



TIC: BM008703.D

(23) Benzo(a)pyrene (C)

23.389min (-0.042) 0.85ng/ul m > S.J 12/30/16

response 3347

Ion	Exp%	Act%
252.00	100	100
253.00	35.60	35.80
125.00	22.60	17.54#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7F7

Manual Integrations APPROVED
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Quant Time: Dec 29 04:37:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.65	152	379m	0.40	ng/ul	-0.17	S.J 12/30/16
2) Naphthalene-d8	10.43	136	1190	0.40	ng/ul	-0.13	
6) Acenaphthene-d10	14.28	164	782m	0.40	ng/ul	-0.07	S.J 12/30/16
10) Phenanthrene-d10	17.04	188	1417m	0.40	ng/ul	-0.07	
16) Chrysene-d12	21.27	240	1423	0.40	ng/ul	-0.01	
20) Perylene-d12	23.49	264	1079m	0.40	ng/ul	-0.03	S.J 12/30/16
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	12.08	152	493	0.27	ng/ul	-0.08	
14) Fluoranthene-d10	19.10	212	1393	0.36	ng/ul	-0.04	
Target Compounds						Qvalue	
7) Acenaphthylene	14.01	152	478	0.14	ng/ul#	78	
15) Fluoranthene	19.12	202	939	0.18	ng/ul	87	
17) Pyrene	19.47	202	1438	0.26	ng/ul#	77	
18) Benzo(a)anthracene	21.25	228	1827	0.39	ng/ul#	89	
19) Chrysene	21.30	228	2577	0.50	ng/ul#	91	
21) Benzo(b)fluoranthene	22.82	252	5389m	1.27	ng/ul		S.J 12/30/16
22) Benzo(k)fluoranthene	22.86	252	1612m	0.39	ng/ul		
23) Benzo(a)pyrene	23.39	252	3347m	0.85	ng/ul		
24) Indeno(1,2,3-cd)pyrene	25.77	276	2397	0.51	ng/ul#	90	
26) Benzo(g,h,i)perylene	26.45	276	1937	0.48	ng/ul#	93	

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008703.D
Acq On : 28 Dec 2016 20:56
Operator : UM/SJ
Sample : H6067-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 29 04:37:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7F7

Manual Integrations APPROVED
mohammad
12/30/2016 8:53:50 AM