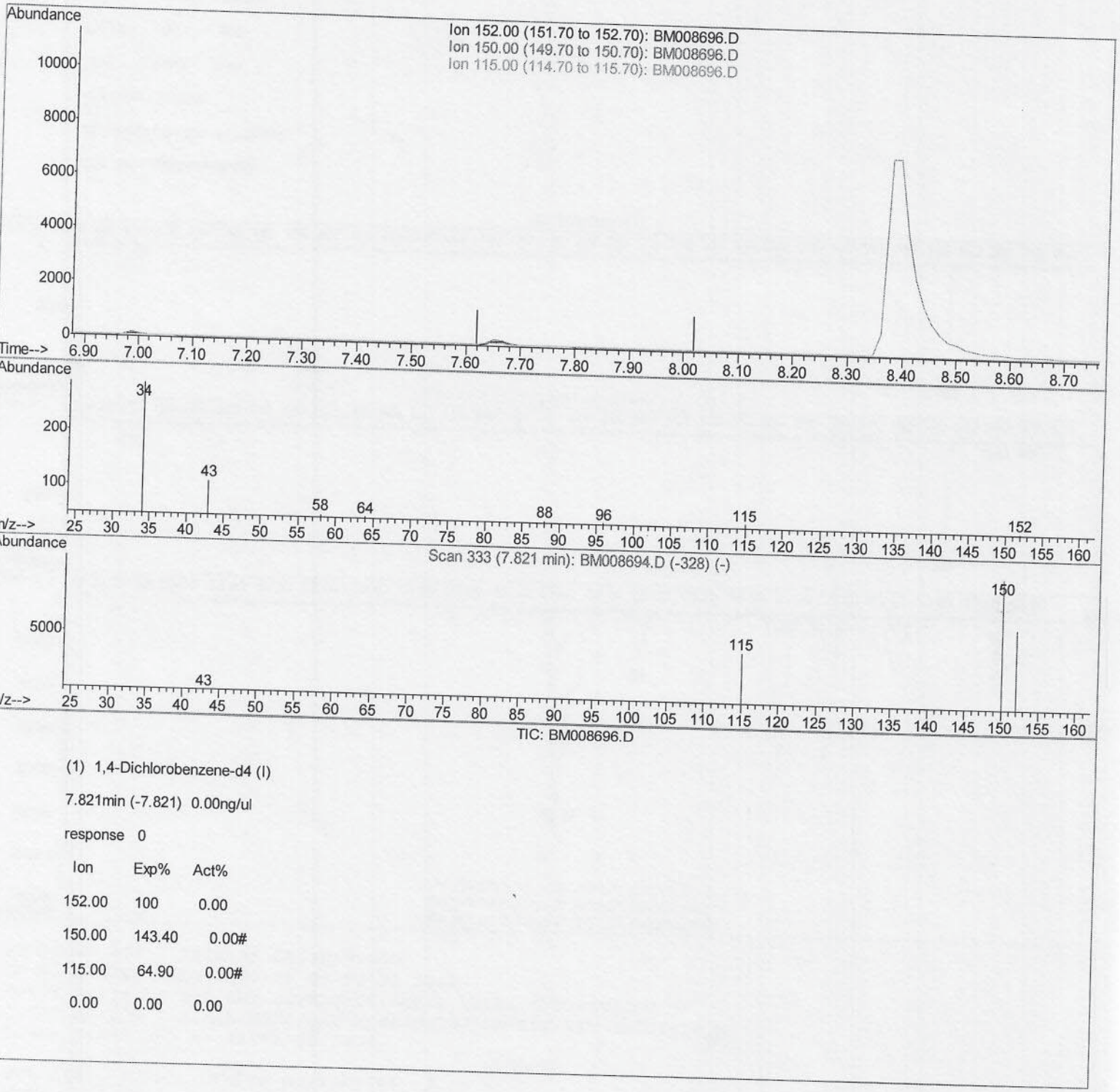
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



TIC: BM008696.D

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

7.821min (-7.821) 0.00ng/ul

response 0

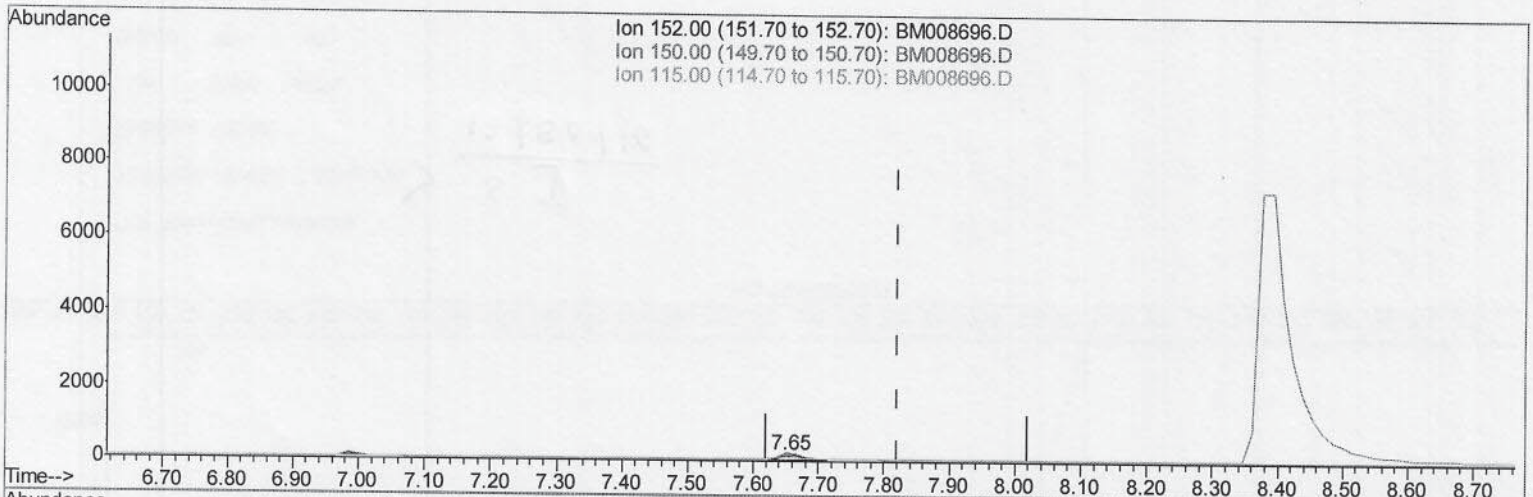
Ion	Exp%	Act%
152.00	100	0.00
150.00	143.40	0.00#
115.00	64.90	0.00#
0.00	0.00	0.00

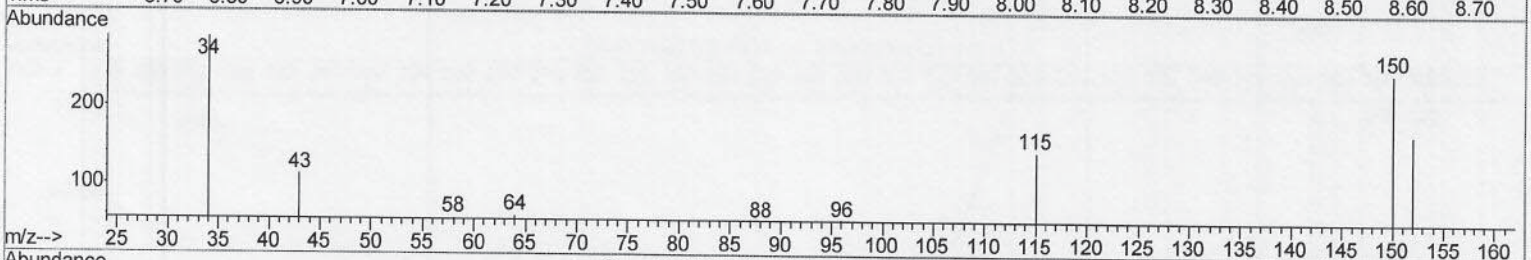
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

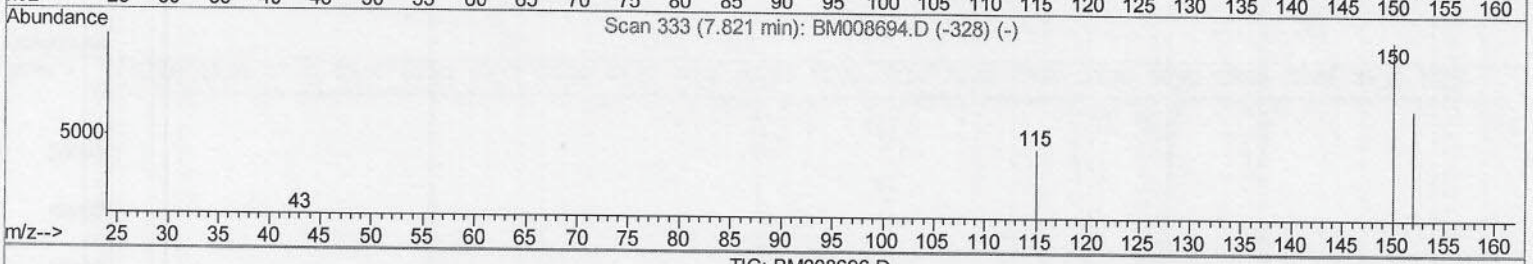
Quant Time: Dec 29 03:32:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7G6

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







TIC: BM008696.D

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

7.651min (-0.170) 0.40ng/ul m > 5.5 12/30/16

response 427

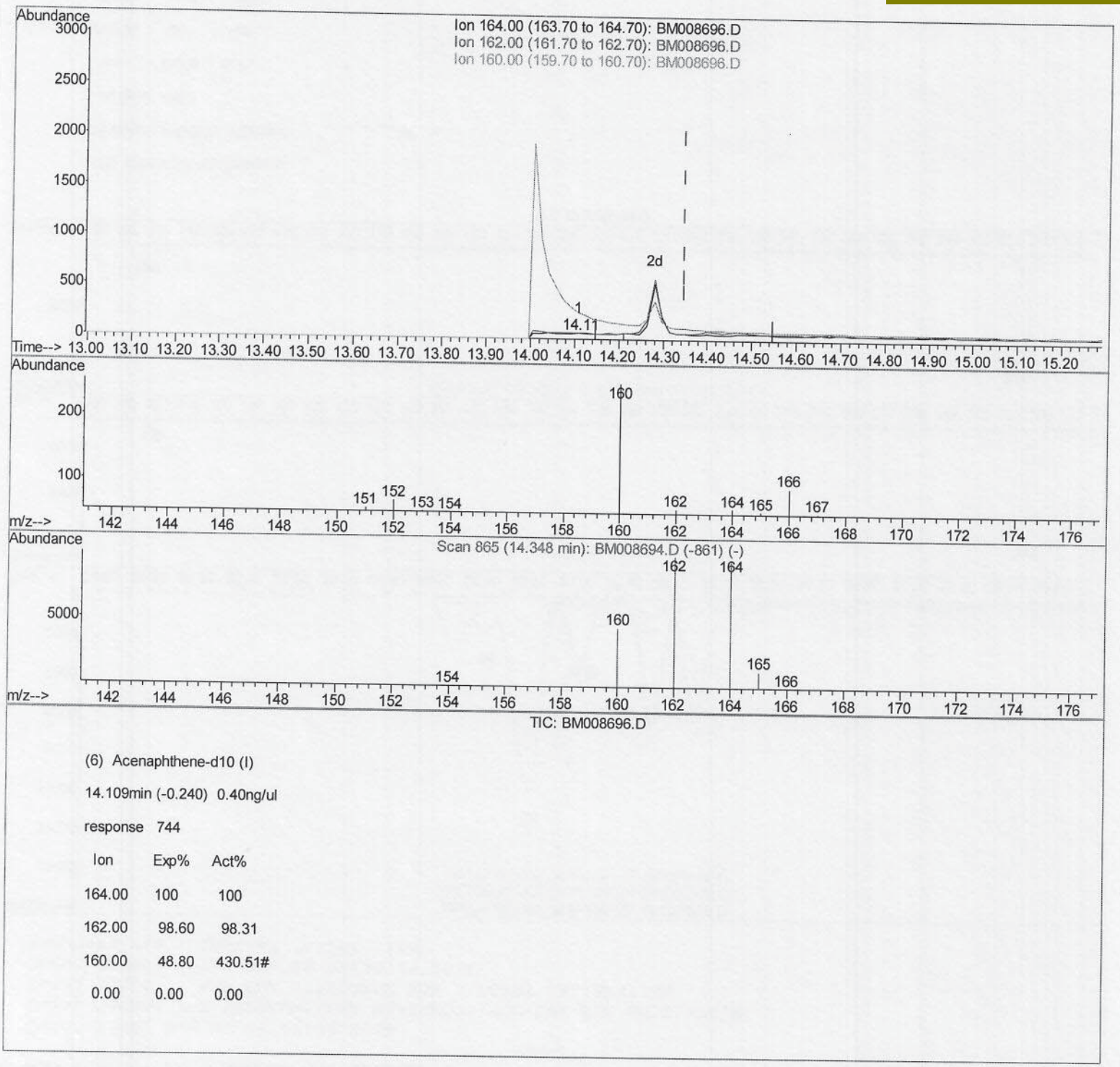
Ion	Exp%	Act%
152.00	100	100
150.00	143.40	146.75
115.00	64.90	85.80#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



(6) Acenaphthene-d10 (I)

14.109min (-0.240) 0.40ng/ul

response 744

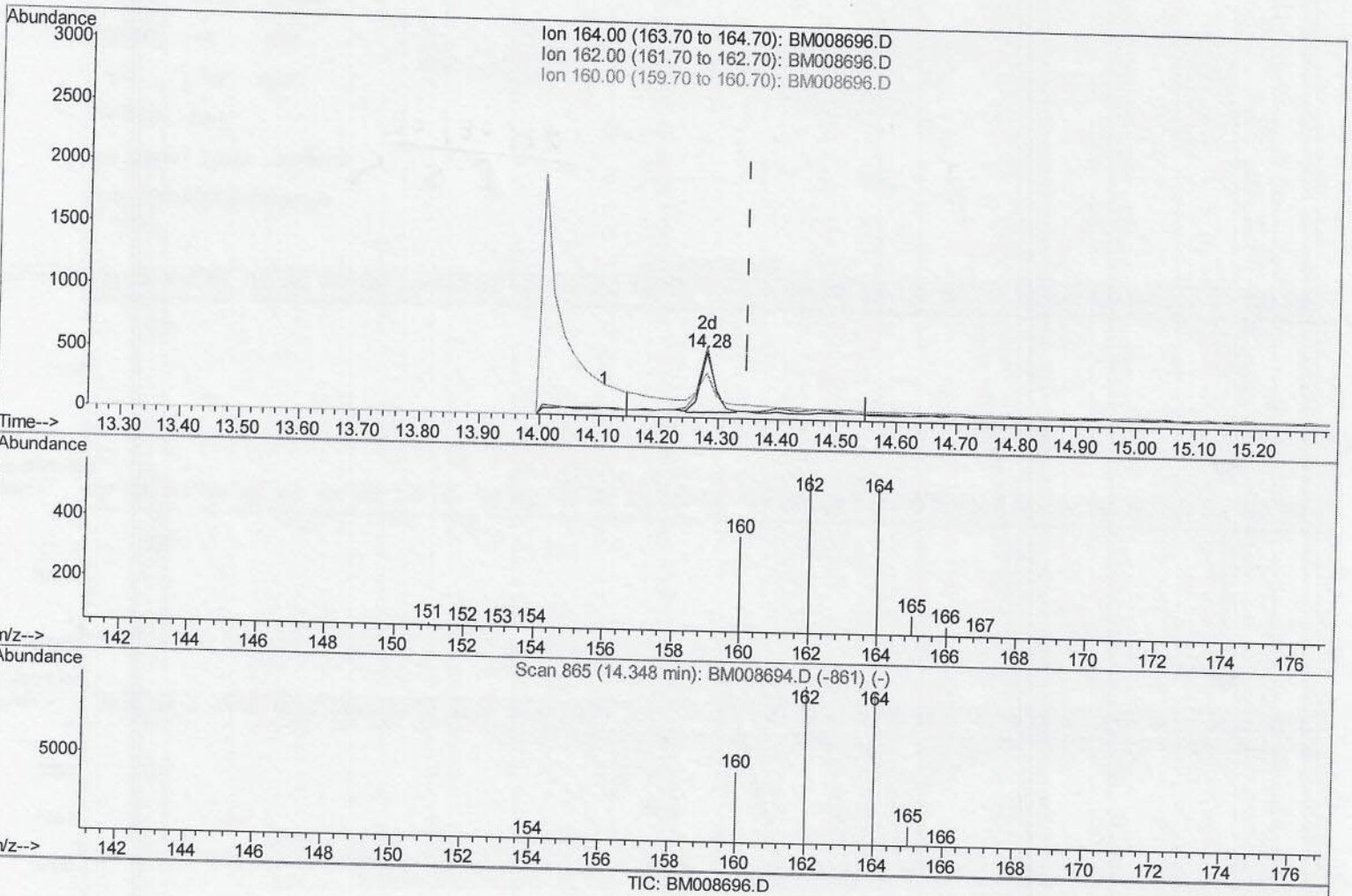
Ion	Exp%	Act%
164.00	100	100
162.00	98.60	98.31
160.00	48.80	430.51#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



TIC: BM008696.D

(6) Acenaphthene-d10 (I)

14.280min (-0.068) 0.40ng/ul m > S.J 12/30/16

response 830

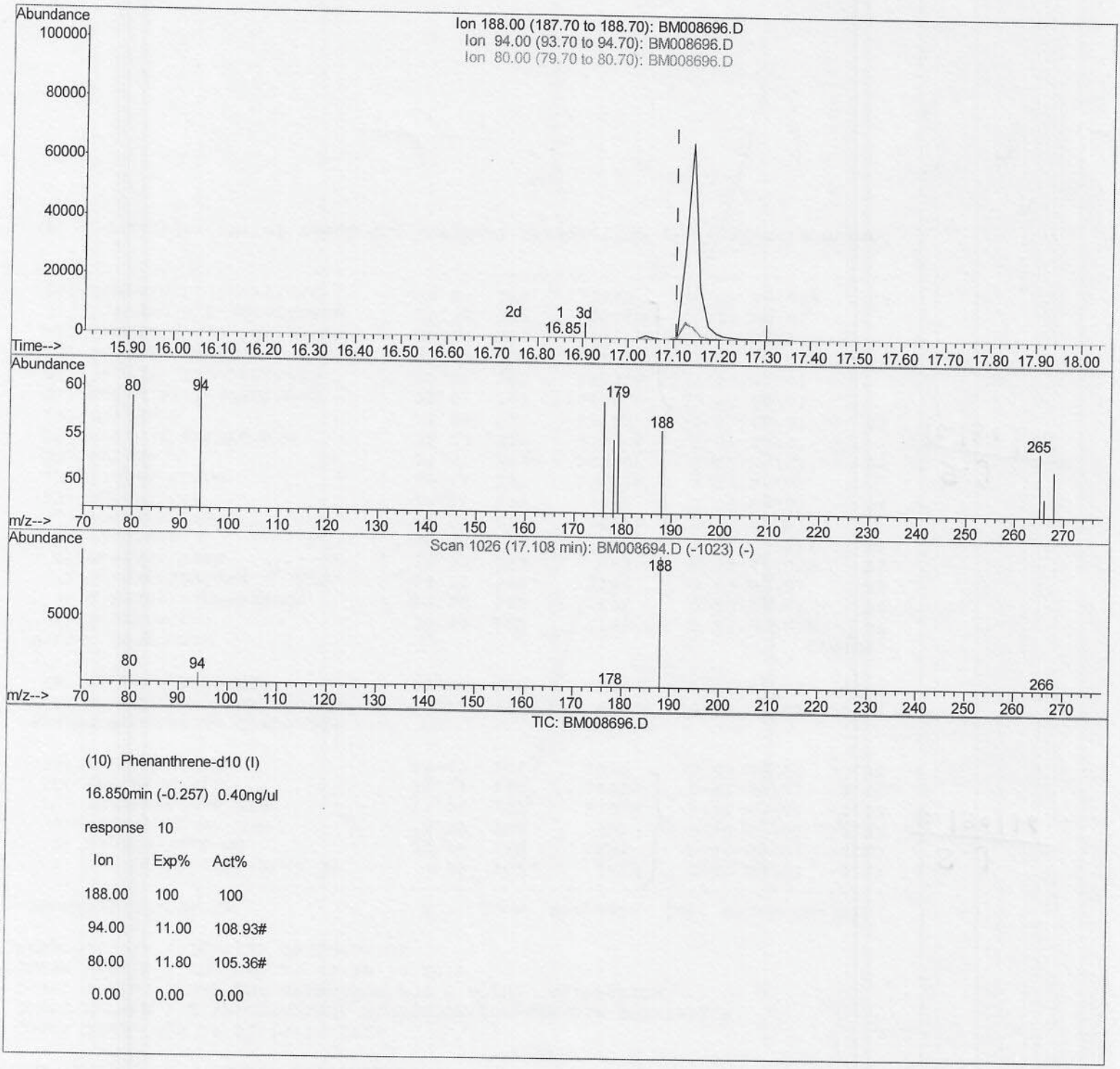
Ion	Exp%	Act%
164.00	100	100
162.00	98.60	108.32
160.00	48.80	68.21#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



TIC: BM008696.D

(10) Phenanthrene-d10 (I)

16.850min (-0.257) 0.40ng/ul

response 10

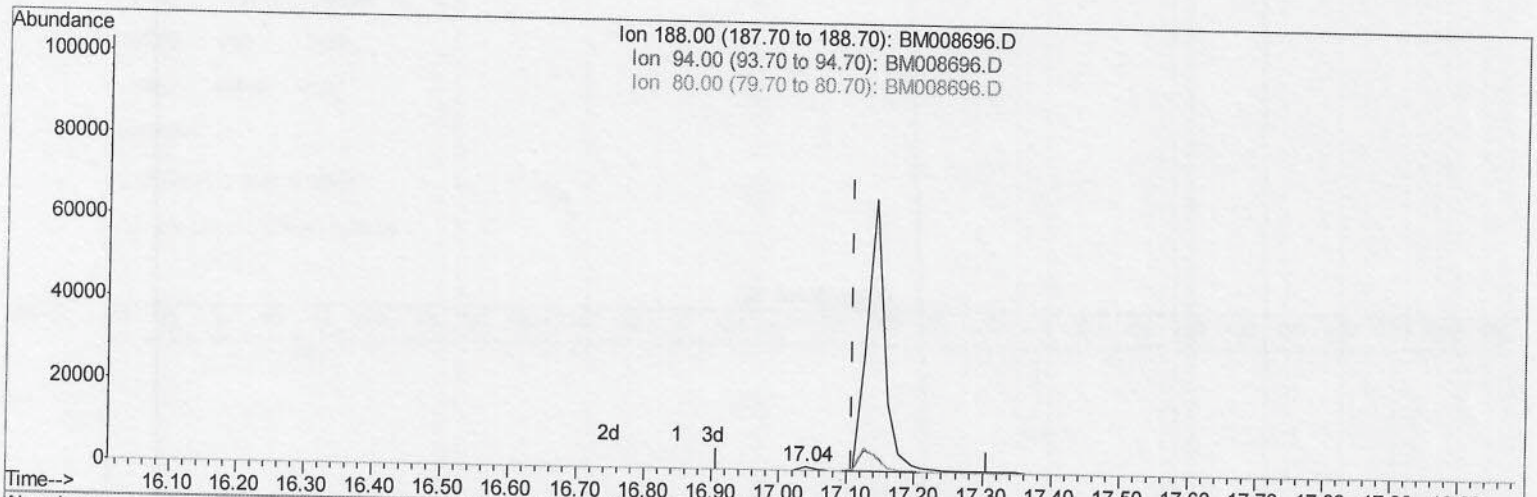
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	108.93#
80.00	11.80	105.36#
0.00	0.00	0.00

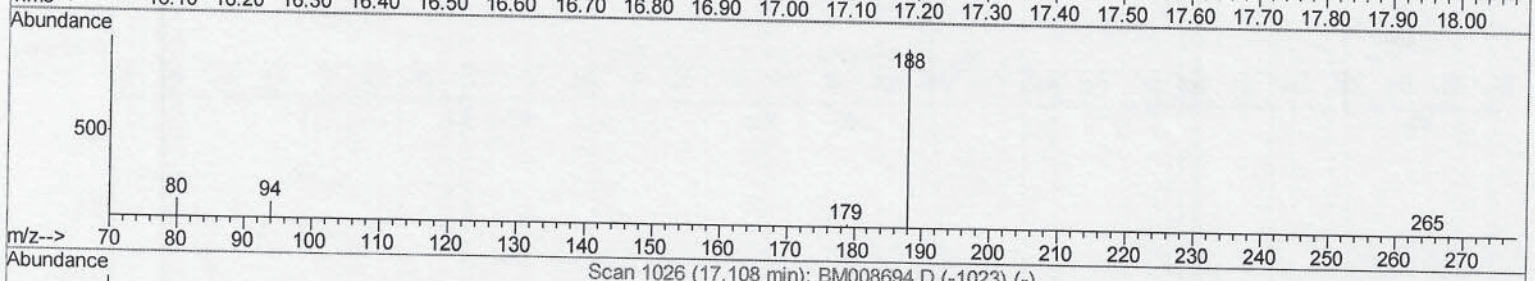
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

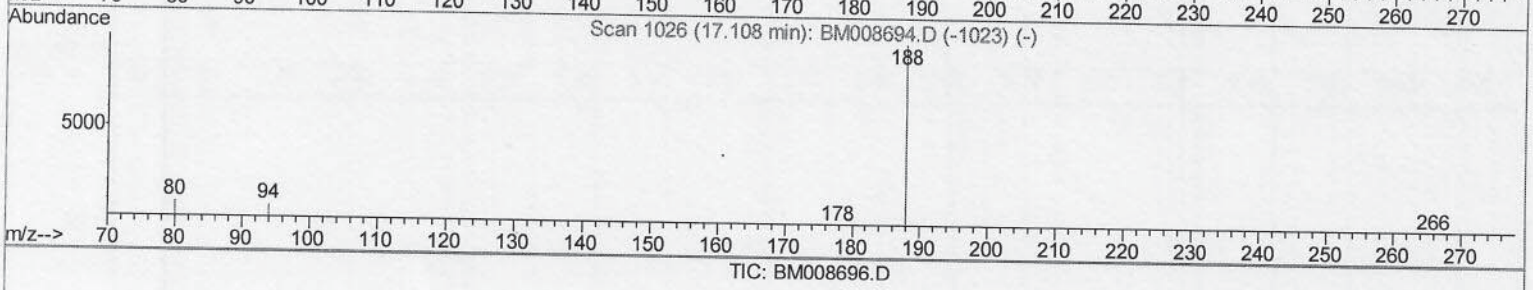
Quant Time: Dec 29 03:32:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7G6

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







TIC: BM008696.D

(10) Phenanthrene-d10 (I)

17.039min (-0.069) 0.40ng/ul m

response 1612

S.J. 12/30/16

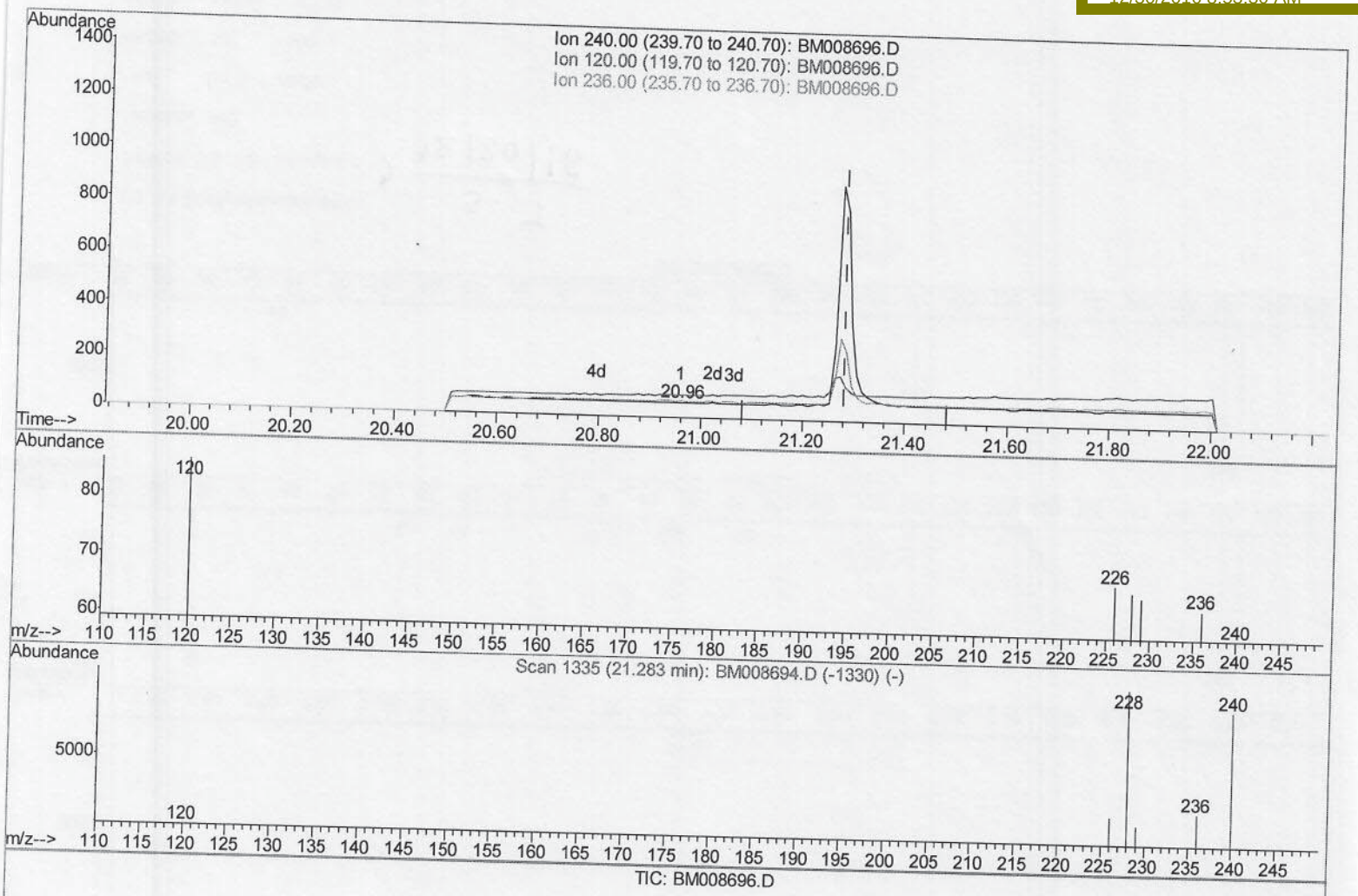
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.39#
80.00	11.80	14.30#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



TIC: BM008696.D

(16) Chrysene-d12 (I)

20.960min (-0.323) 0.40ng/ul

response 16

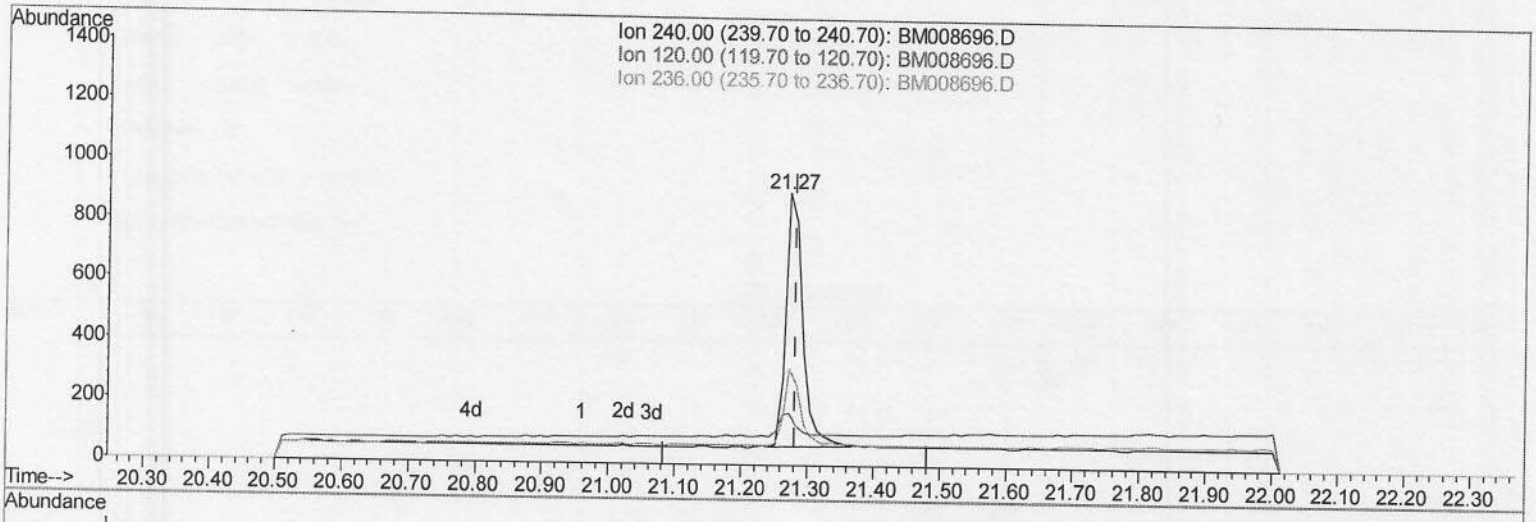
Ion	Exp%	Act%
240.00	100	100
120.00	20.60	145.76#
236.00	34.90	108.47#
0.00	0.00	0.00

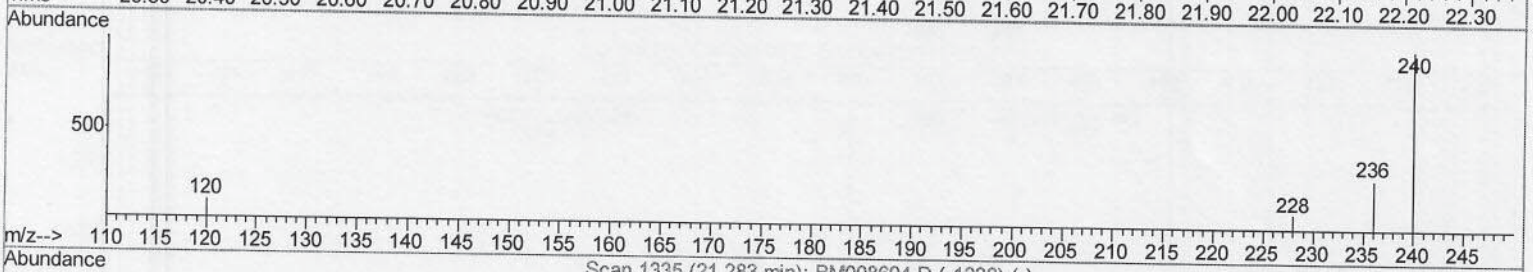
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

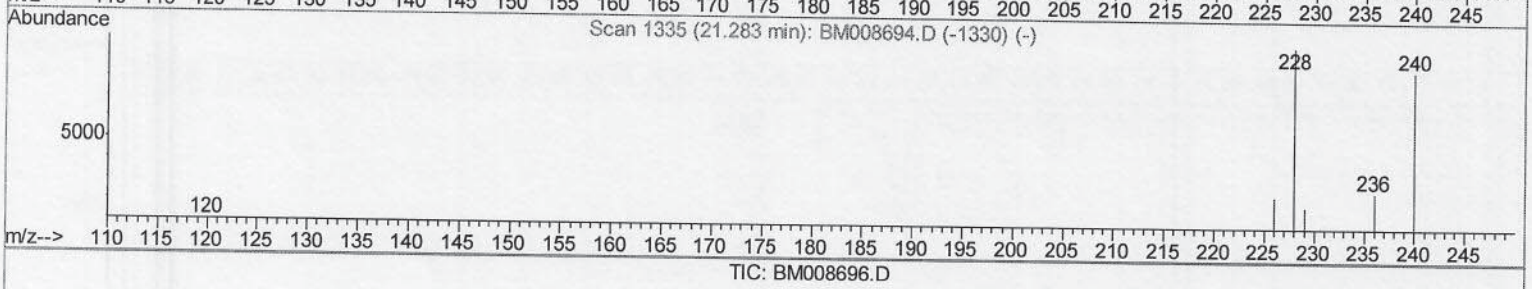
Quant Time: Dec 29 03:32:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7G6

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







TIC: BM008696.D

(16) Chrysene-d12 (I)

21.273min (-0.010) 0.40ng/ul m > S.J 12/30/16

response 1500

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	19.23
236.00	34.90	35.69
0.00	0.00	0.00

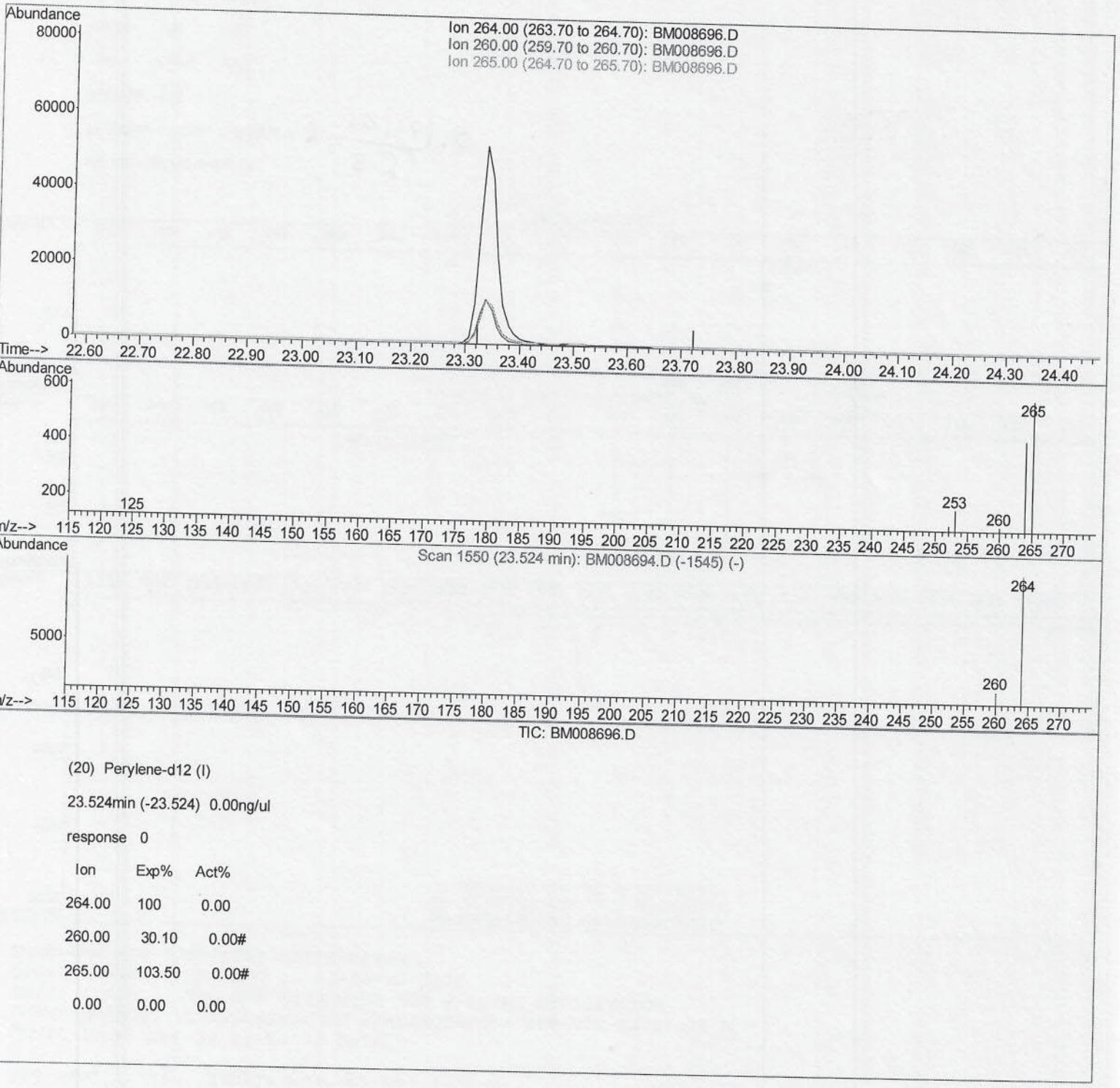
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



TIC: BM008696.D

(20) Perylene-d12 (I)

23.524min (-23.524) 0.00ng/ul

response 0

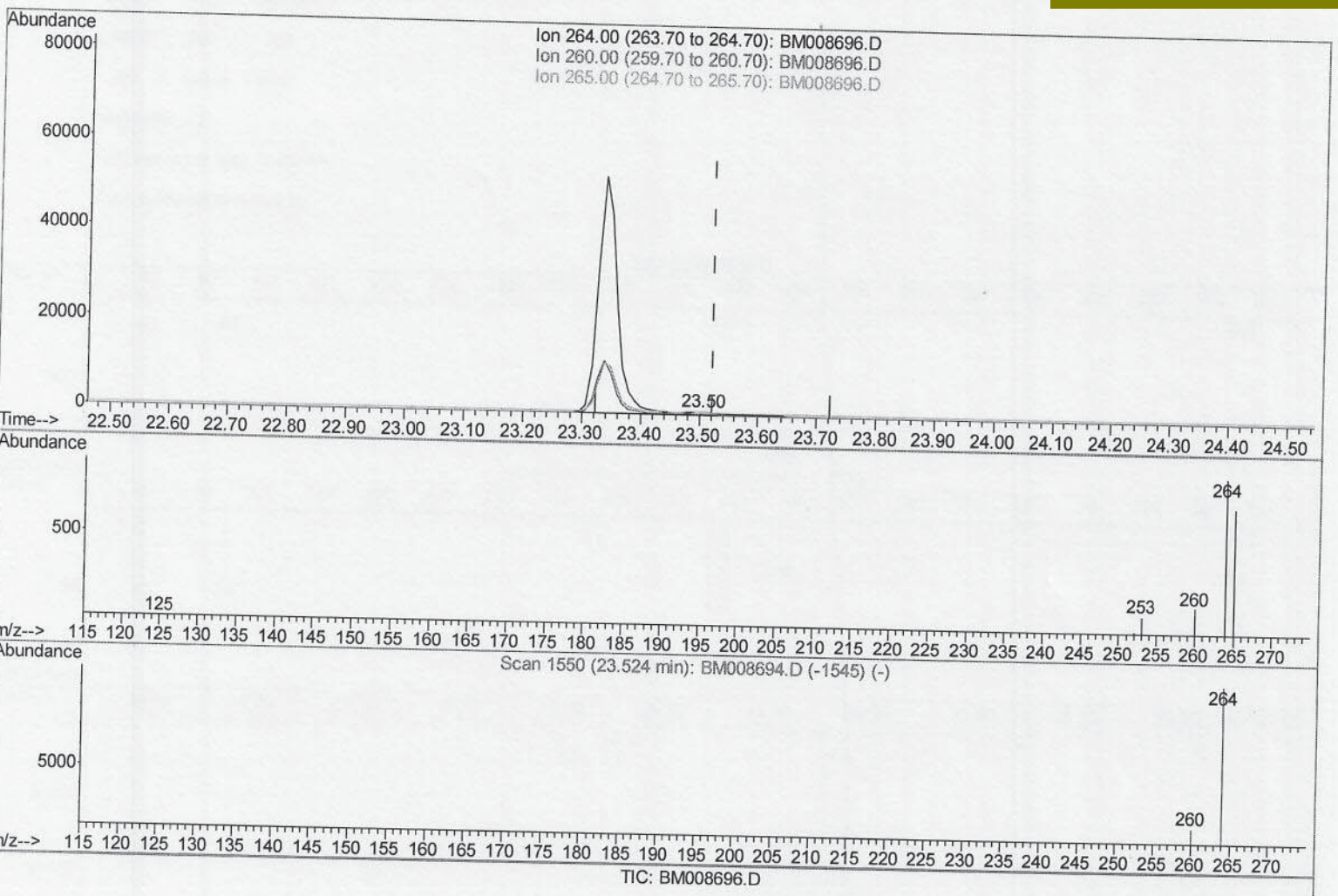
Ion	Exp%	Act%
264.00	100	0.00
260.00	30.10	0.00#
265.00	103.50	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:32:56 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 :
DA7G6

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



(20) Perylene-d12 (I)

23.504min (-0.021) 0.40ng/ul m > S.J 12/30/16

response 1263

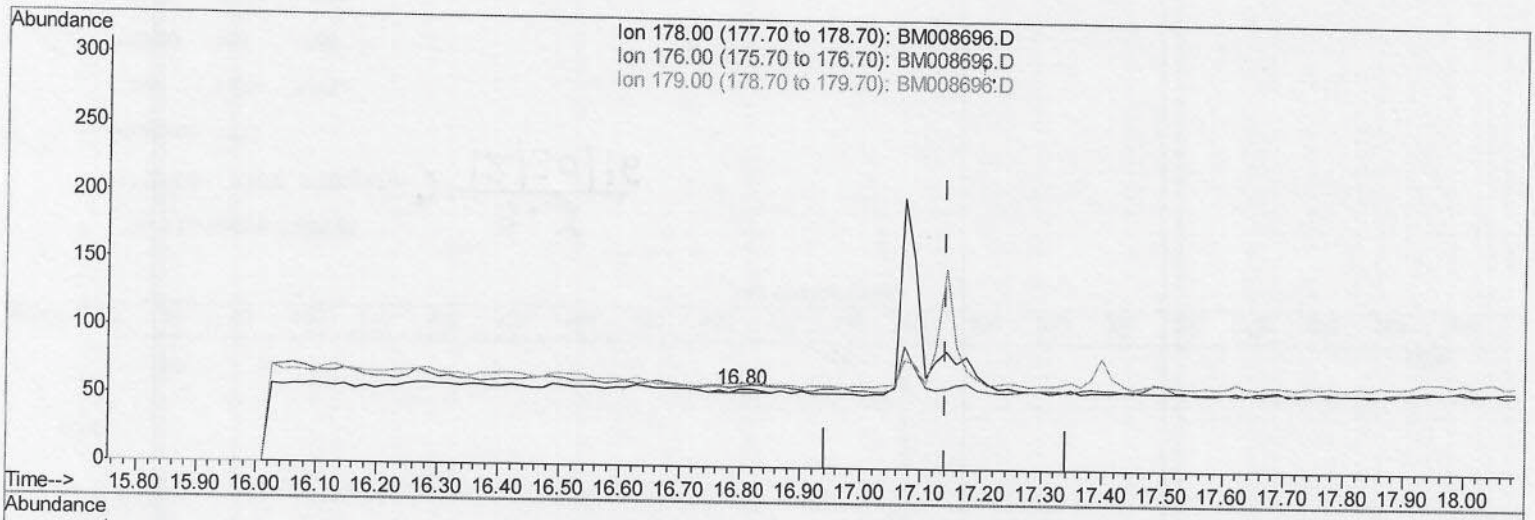
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.63
265.00	103.50	83.89
0.00	0.00	0.00

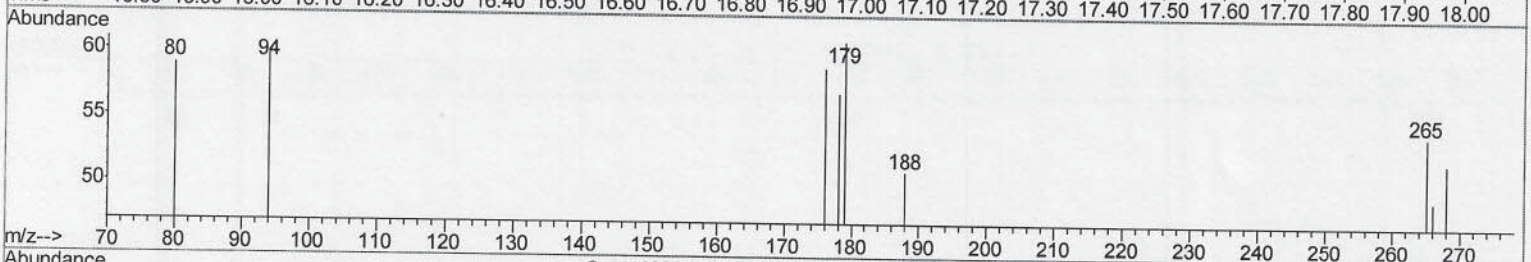
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

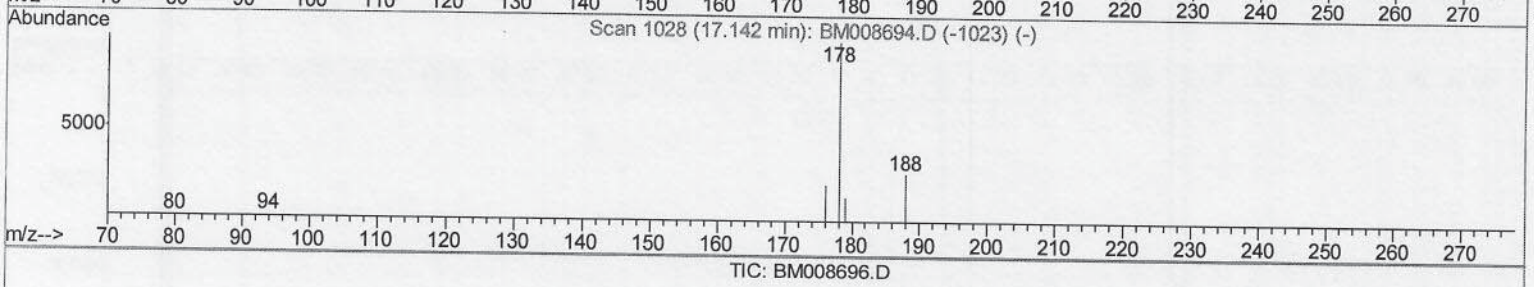
Quant Time: Dec 29 03:39:20 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7G6

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







TIC: BM008696.D

(12) Phenanthrene

16.799min (-0.343) 0.00ng/ul

response 6

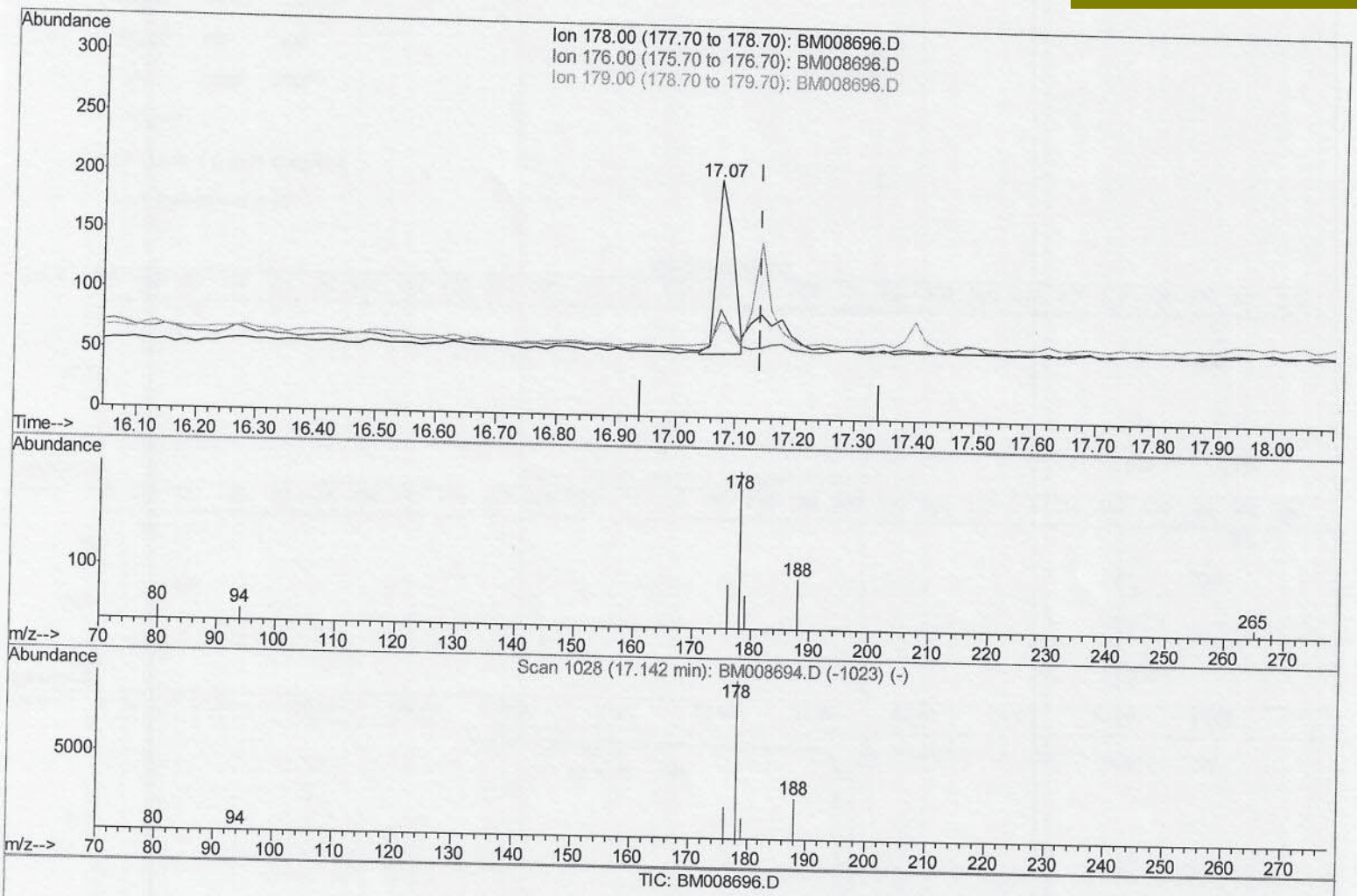
Ion	Exp%	Act%
178.00	100	100
176.00	23.00	103.51#
179.00	17.00	107.02#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:39:20 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 :
DA7G6

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



TIC: BM008696.D

(12) Phenanthrene

17.073min (-0.069) 0.06ng/ul m > S.J 12/30/16

response 278

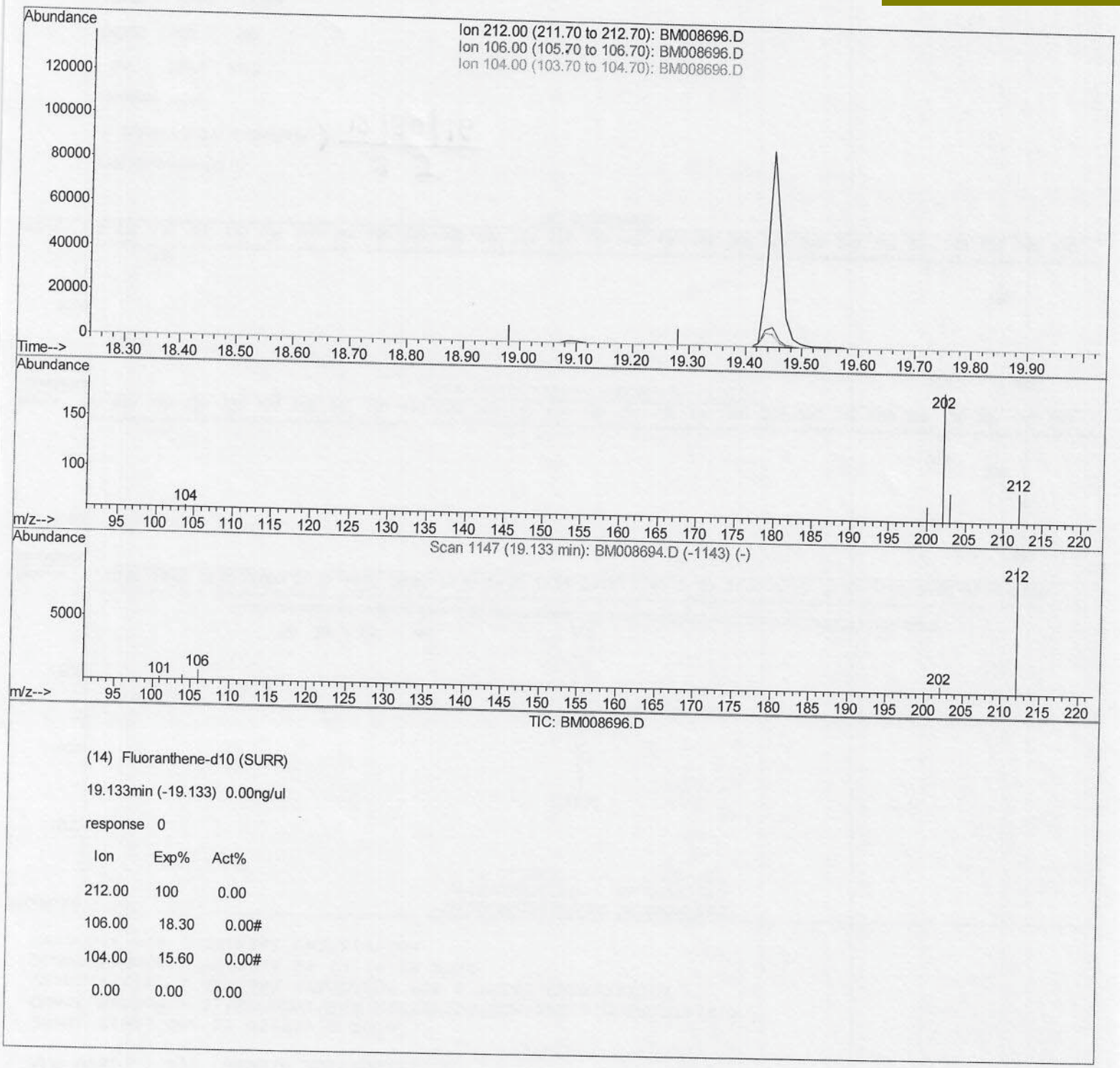
Ion	Exp%	Act%
178.00	100	100
176.00	23.00	45.00#
179.00	17.00	40.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:39:20 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 :
DA7G6

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



(14) Fluoranthene-d10 (SURR)

19.133min (-19.133) 0.00ng/ul

response 0

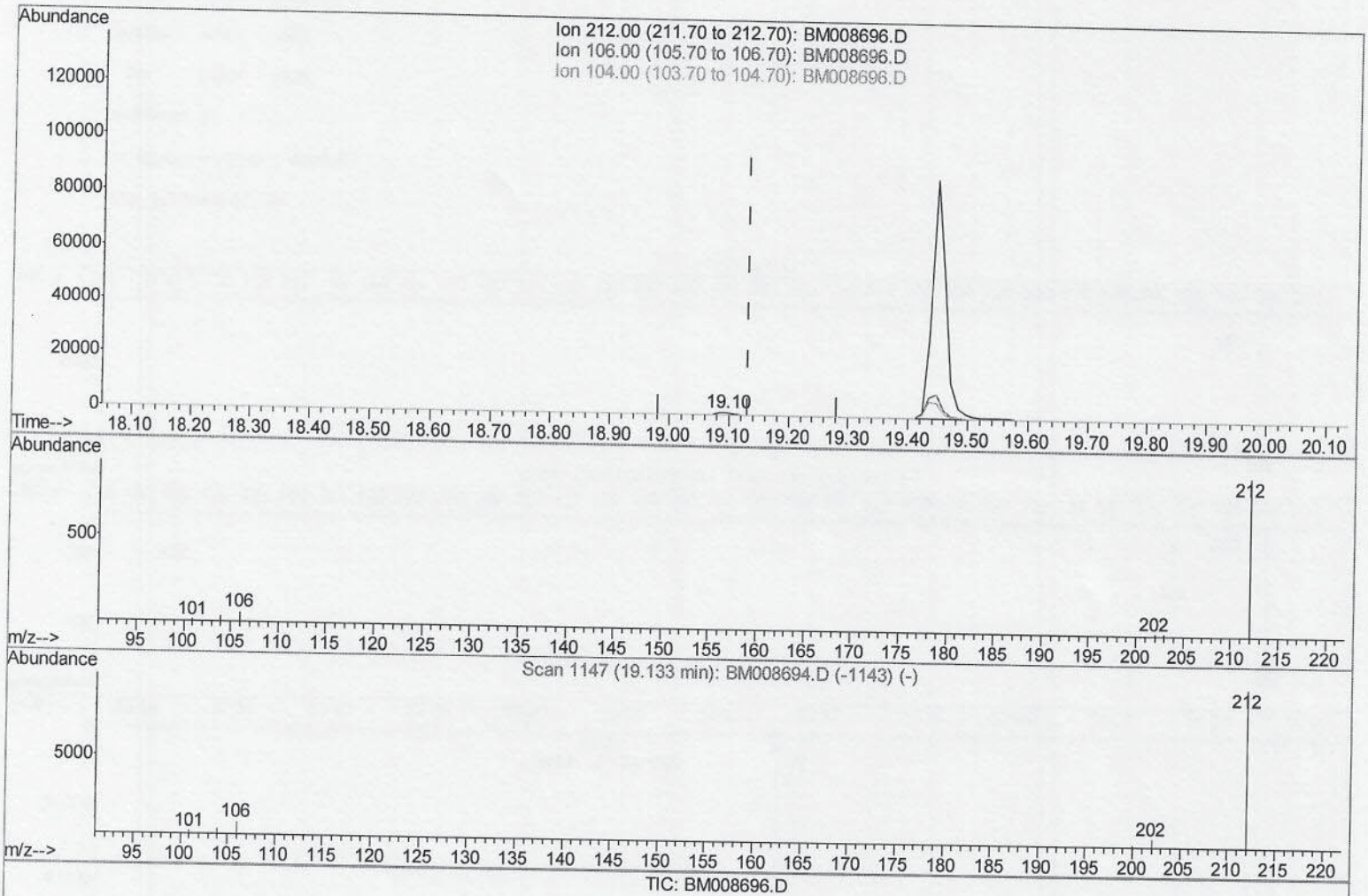
Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:39:20 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 :
DA7G6

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



TIC: BM008696.D

(14) Fluoranthene-d10 (SURR)

19.096min (-0.036) 0.34ng/ul m

S. J
12/30/16

response 1501

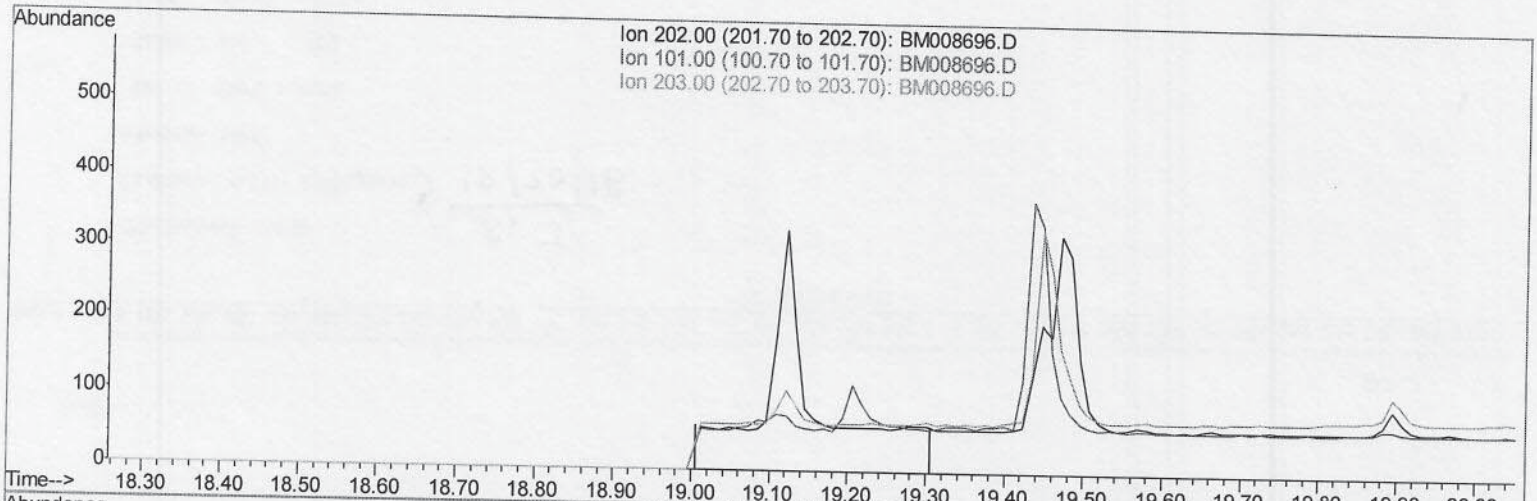
Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

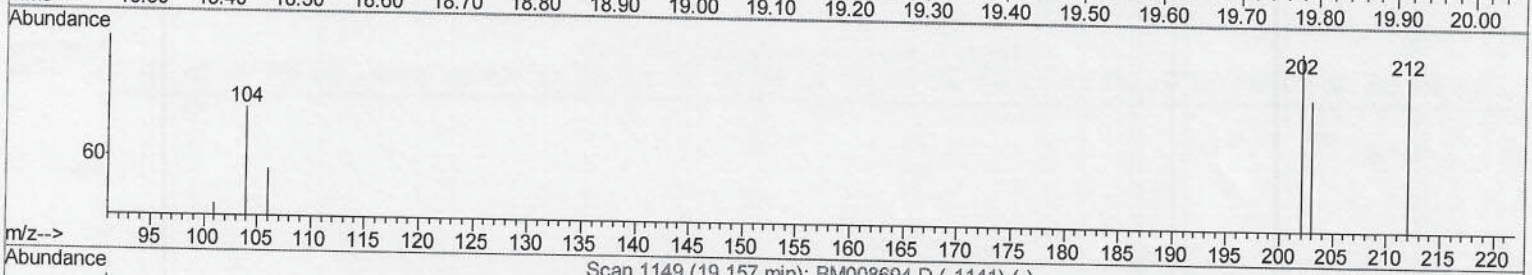
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

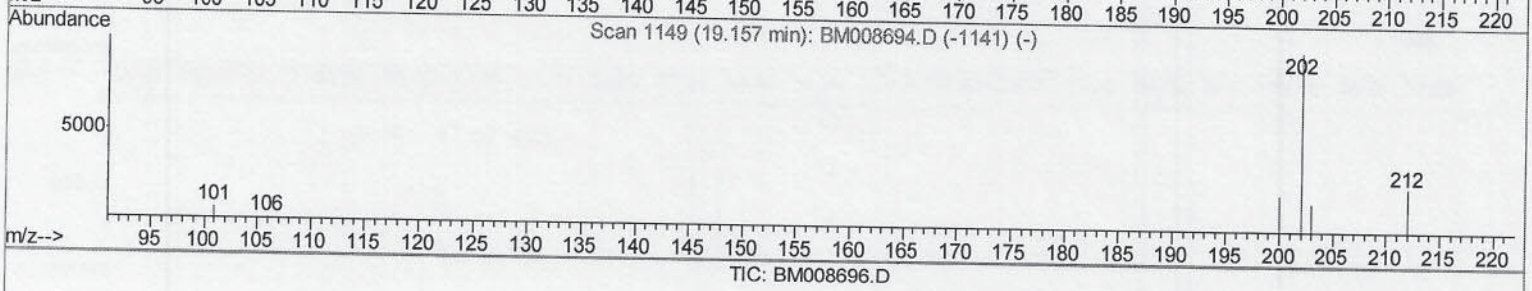
Quant Time: Dec 29 03:39:20 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7G6

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







TIC: BM008696.D

(15) Fluoranthene (C)

19.157min (-19.157) 0.00ng/ul

response 0

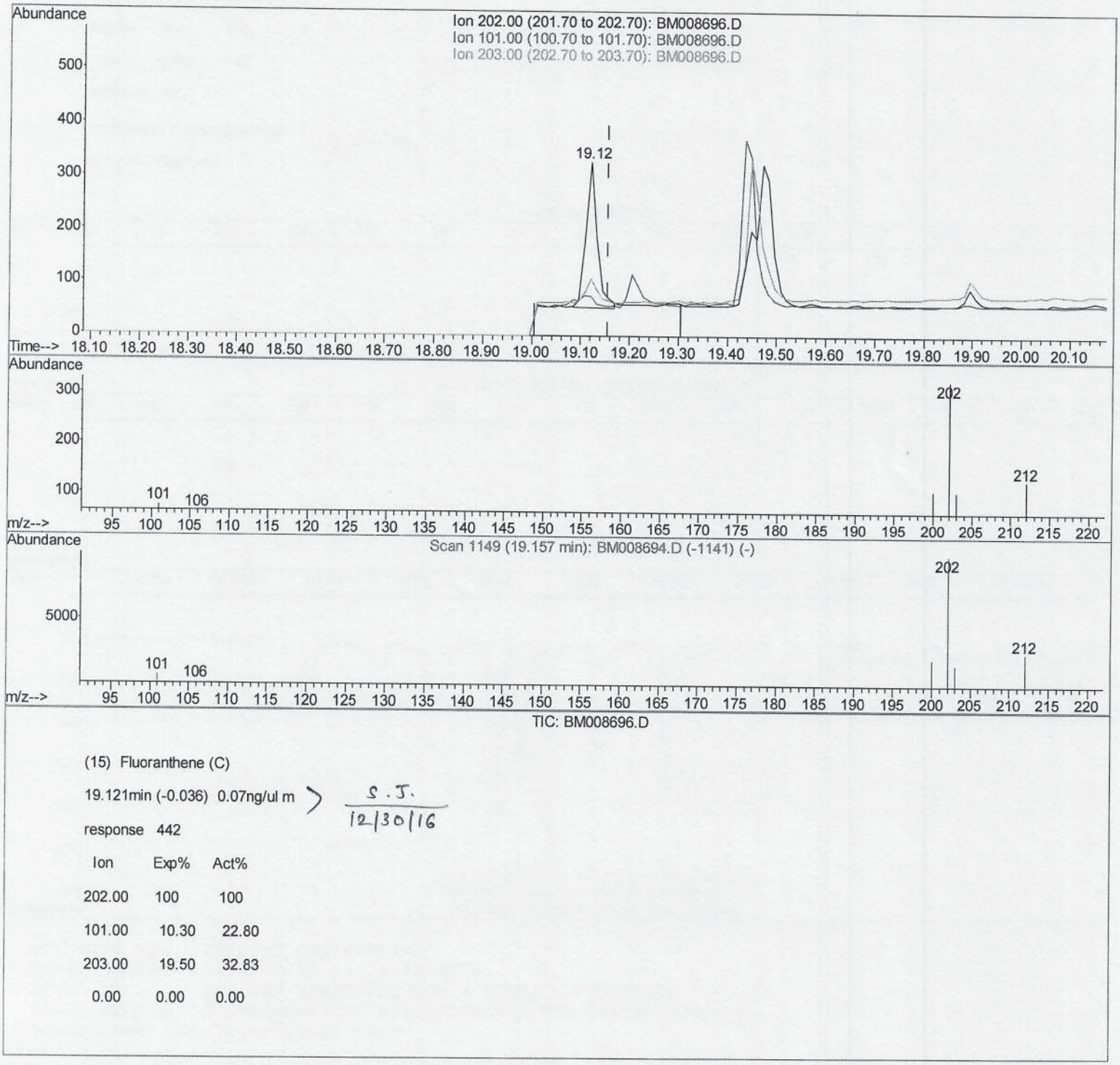
Ion	Exp%	Act%
202.00	100	0.00
101.00	10.30	0.00
203.00	19.50	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:39:20 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 :
DA7G6

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



TIC: BM008696.D

(15) Fluoranthene (C)

19.121min (-0.036) 0.07ng/ul m

response 442

S.J. 12/30/16

Ion	Exp%	Act%
202.00	100	100
101.00	10.30	22.80
203.00	19.50	32.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:42:18 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 :
DA7G6

Manual Integrations APPROVED
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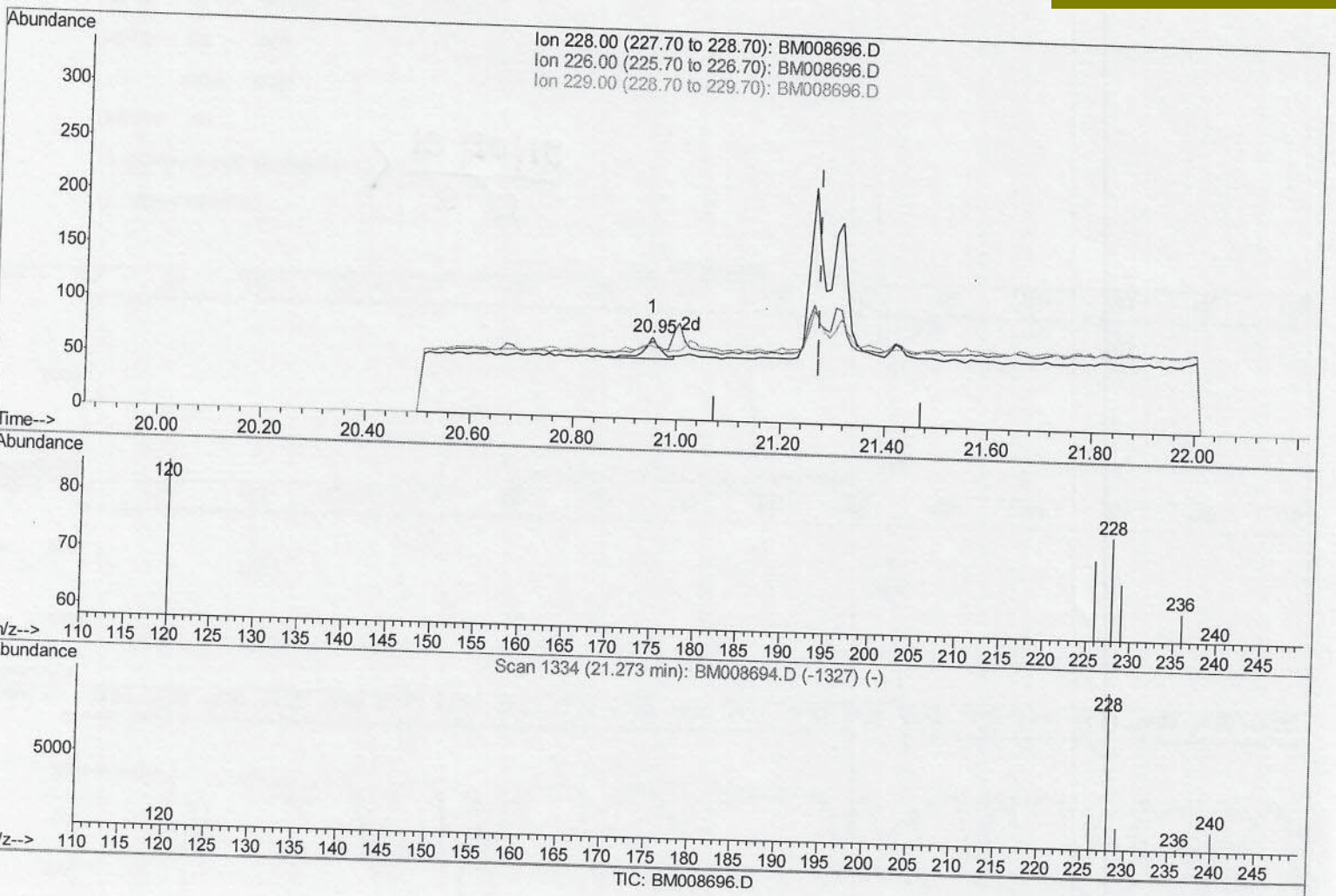

TIC: BM008696.D

(18) Benzo(a)anthracene

20.950min (-0.323) 0.01ng/ul

response 42

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	94.74#
229.00	21.30	89.47#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:42:18 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 :
DA7G6

Manual Integrations APPROVED
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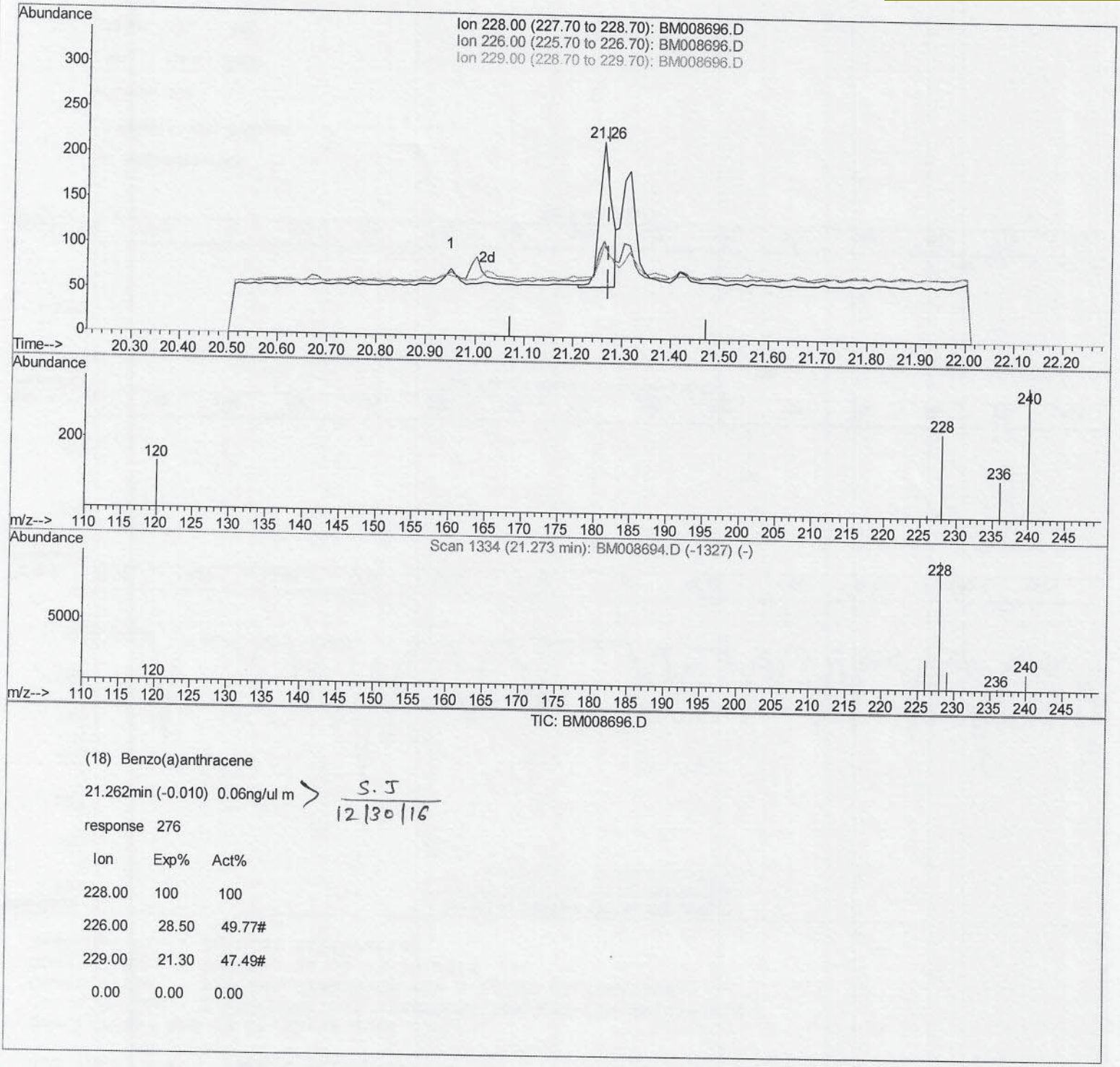

(18) Benzo(a)anthracene

21.262min (-0.010) 0.06ng/ul m > S.J 12/30/16

response 276

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	49.77#
229.00	21.30	47.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:42:18 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 :
DA7G6

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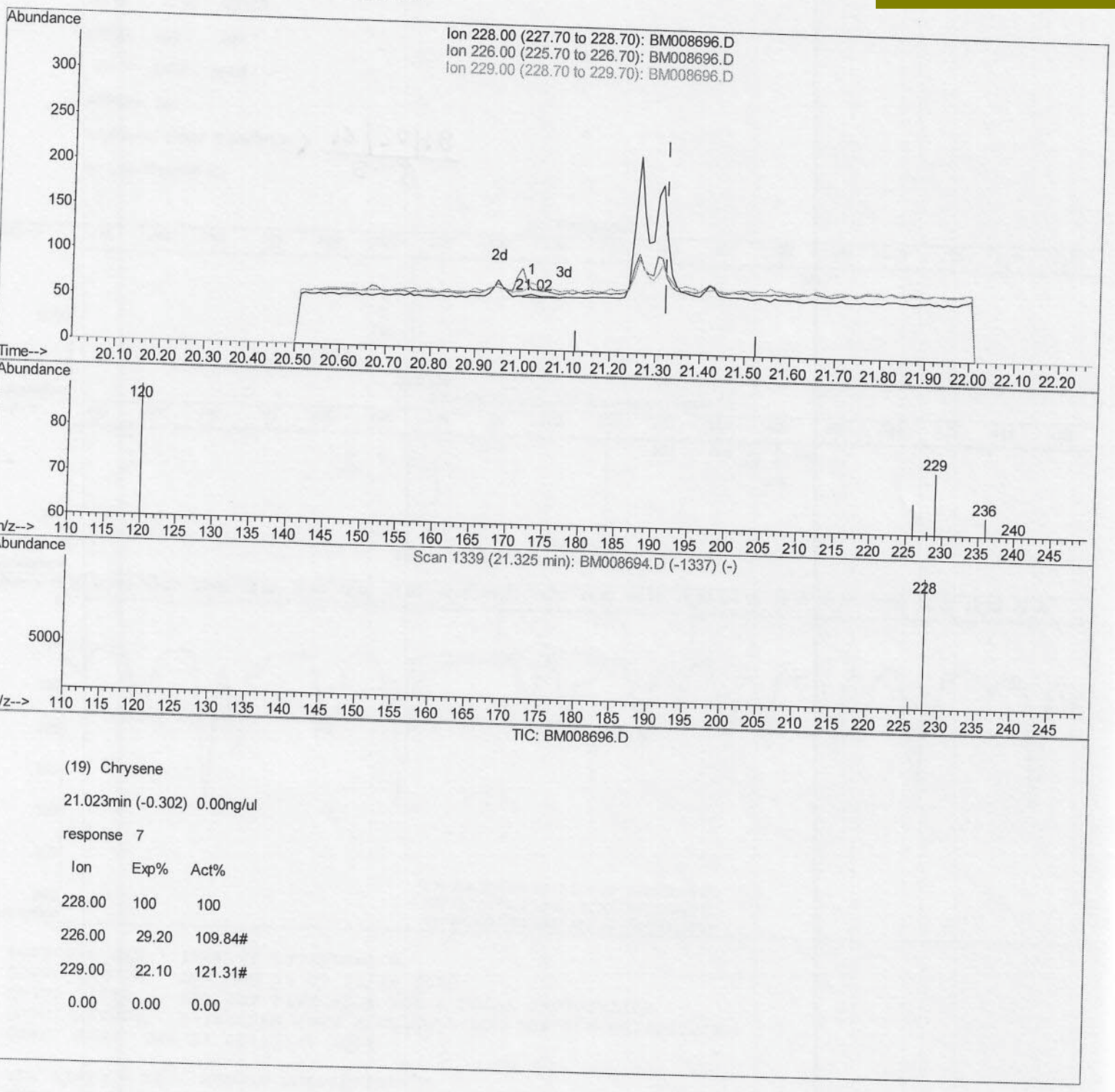

TIC: BM008696.D

(19) Chrysene

21.023min (-0.302) 0.00ng/ul

response 7

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	109.84#
229.00	22.10	121.31#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:42:18 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 :
DA7G6

Manual Integrations APPROVED
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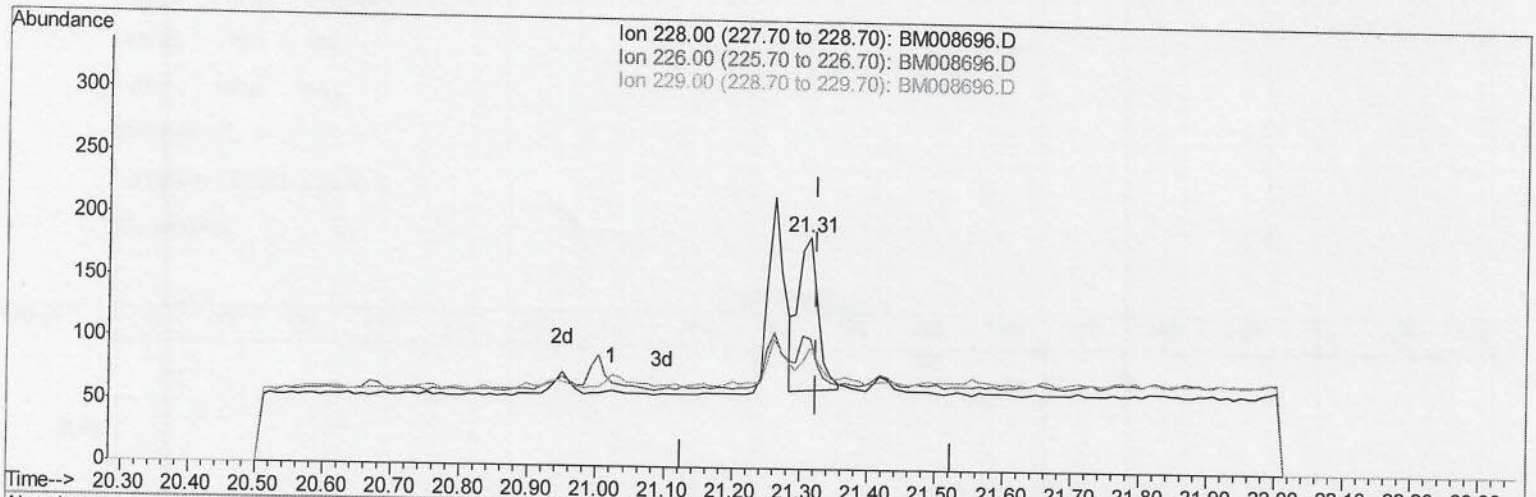

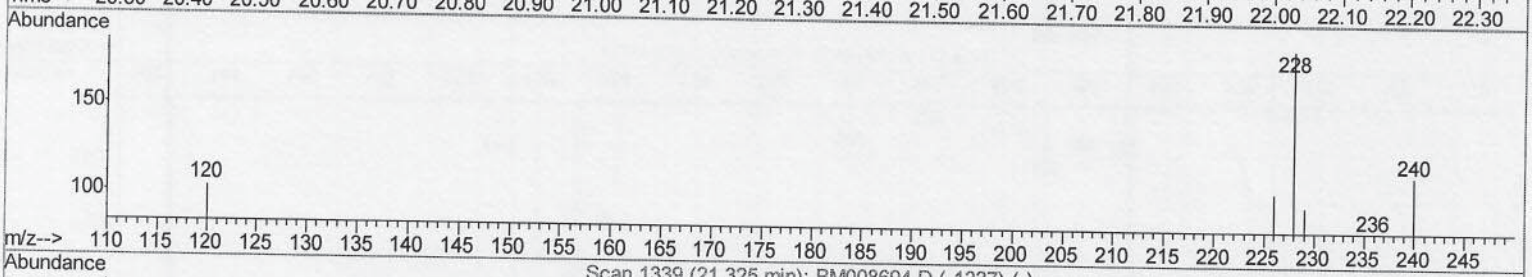

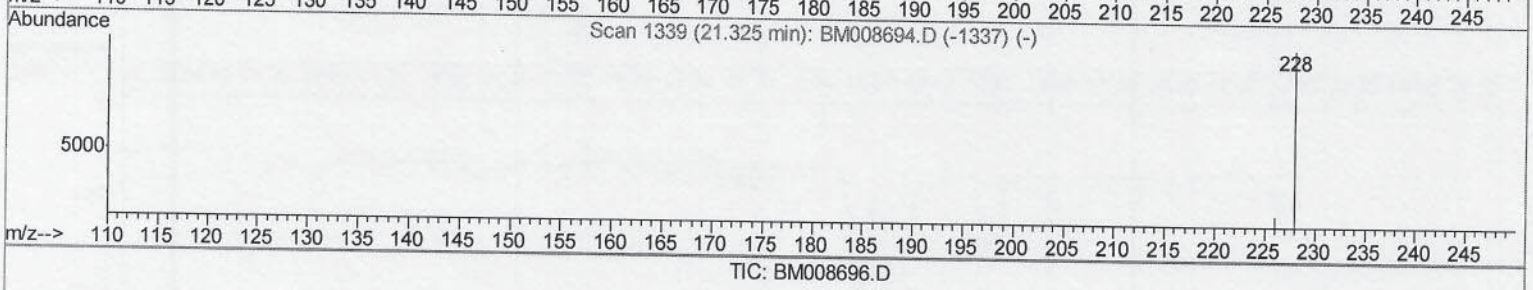

TIC: BM008696.D

(19) Chrysene

21.315min (-0.010) 0.05ng/ul m

S.J 12/30/16

response 249

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	56.15#
229.00	22.10	51.87#
0.00	0.00	0.00

(Qf Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA7G6

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Quant Time: Dec 29 03:43:11 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	427m	0.40	ng/ul	-0.17
2) Naphthalene-d8	10.43	136	1223	0.40	ng/ul	-0.13
6) Acenaphthene-d10	14.28	164	830m	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.04	188	1612m	0.40	ng/ul	-0.07
16) Chrysene-d12	21.27	240	1500m	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1263m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	530	0.28	ng/ul	-0.10
14) Fluoranthene-d10	19.10	212	1501m	0.34	ng/ul	-0.04
Target Compounds						Qvalue
12) Phenanthrene	17.07	178	278m	0.06	ng/ul	
15) Fluoranthene	19.12	202	442m	0.07	ng/ul	
18) Benzo(a)anthracene	21.26	228	276m	0.06	ng/ul	
19) Chrysene	21.31	228	249m	0.05	ng/ul	

S.J 12/30/16

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S.J 12/30/16

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
Data File : BM008696.D
Acq On : 28 Dec 2016 16:38
Operator : UM/SJ
Sample : H6067-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 03:43:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
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Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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