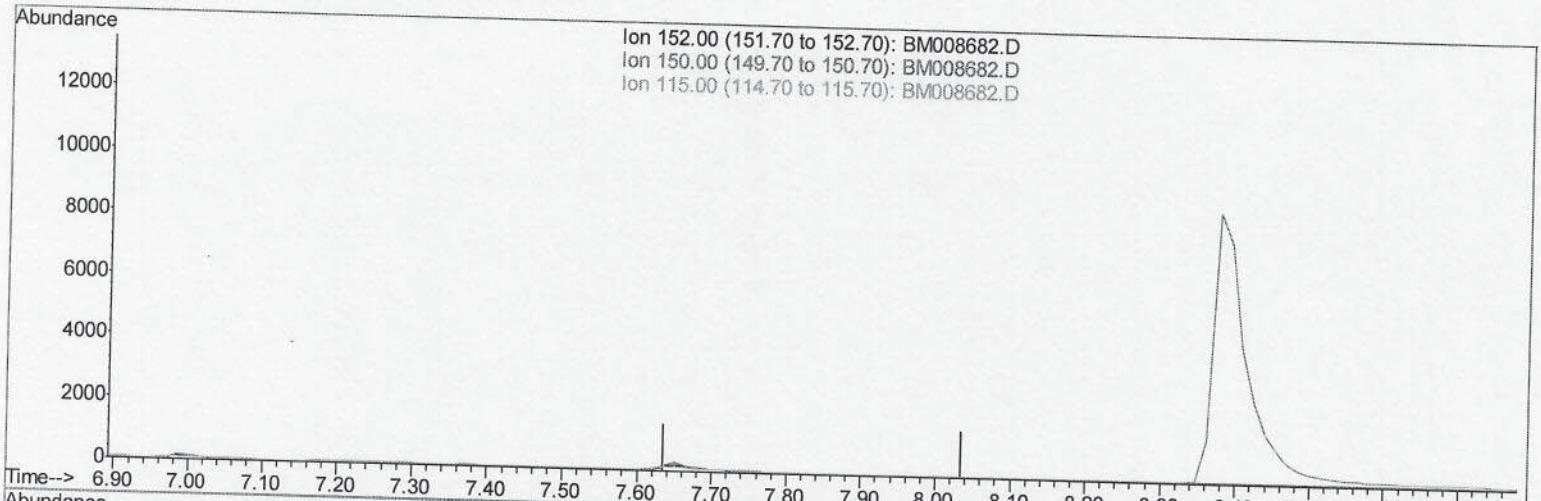
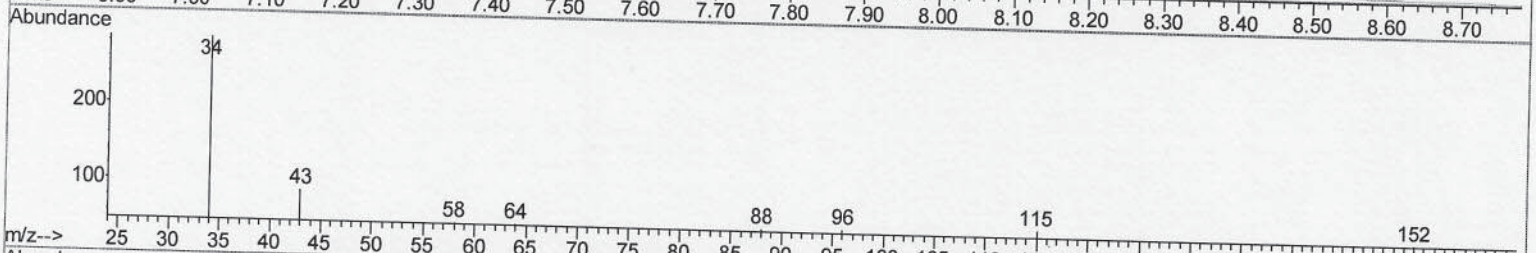
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

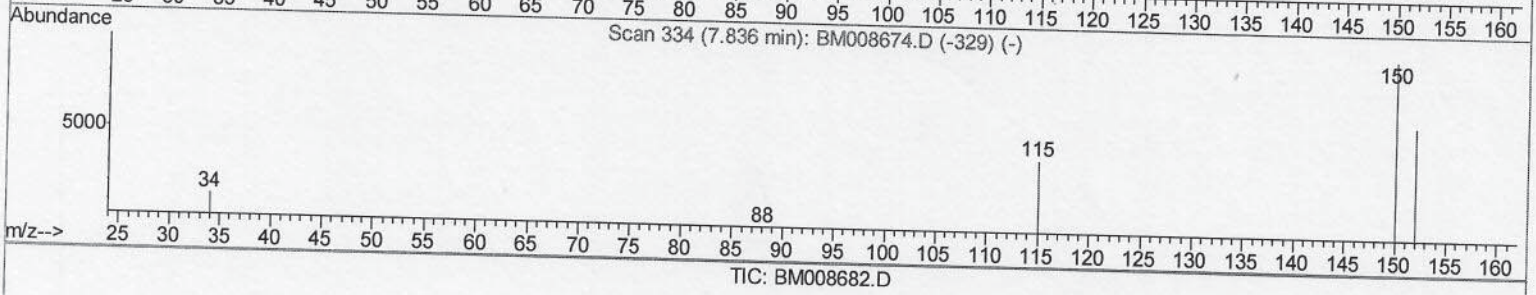
Quant Time: Dec 28 03:28:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM







TIC: BM008682.D

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

7.836min (-7.836) 0.00ng/ul

response 0

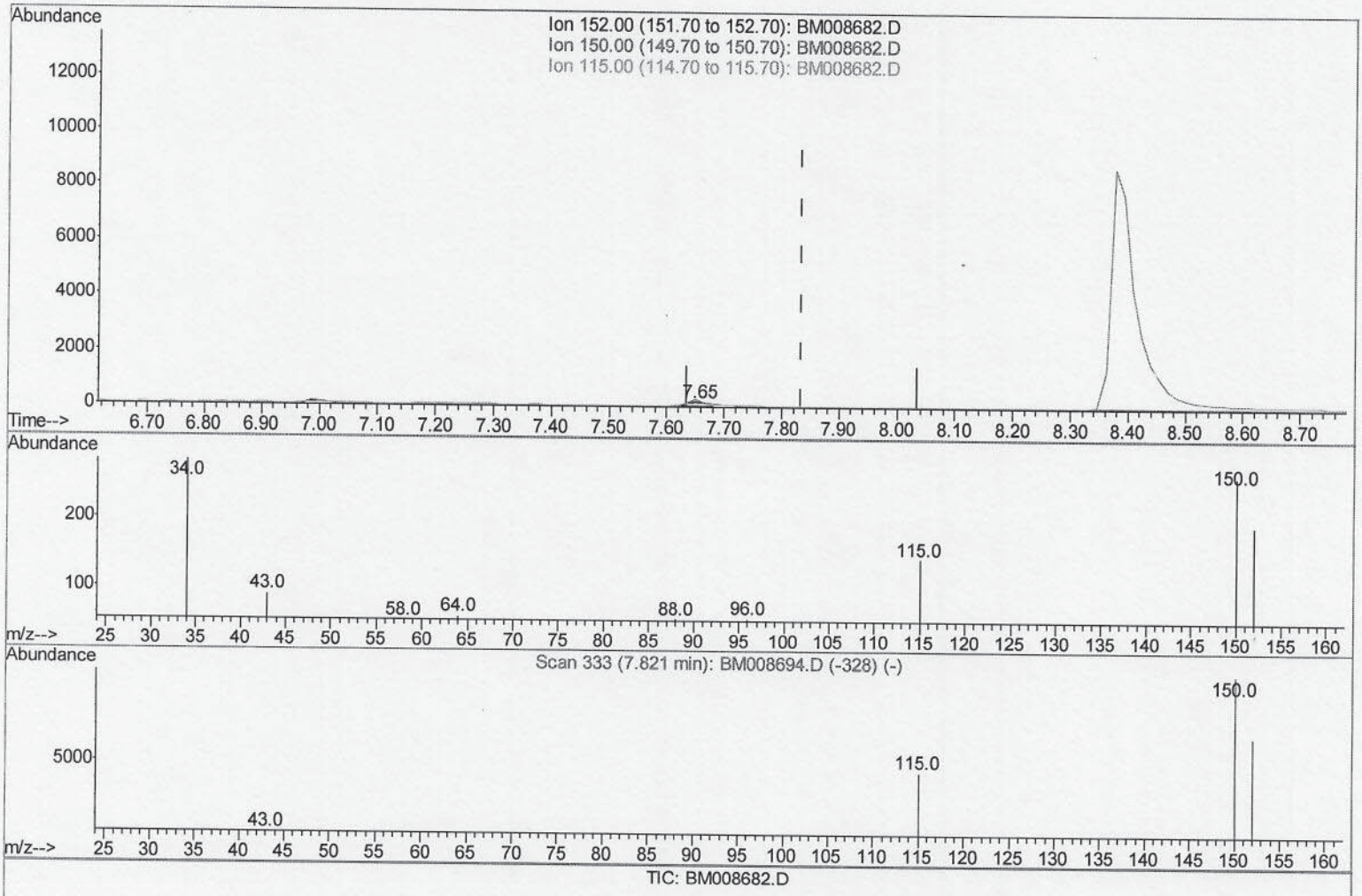
Ion	Exp%	Act%
152.00	100	0.00
150.00	143.40	0.00#
115.00	64.90	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 29 12:12:00 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM



TIC: BM008682.D

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

7.650min (-0.186) 0.40ng/ul m > S.J 12/30/16

response 290

Ion	Exp%	Act%
152.00	100	100
150.00	143.40	137.11
115.00	64.90	74.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
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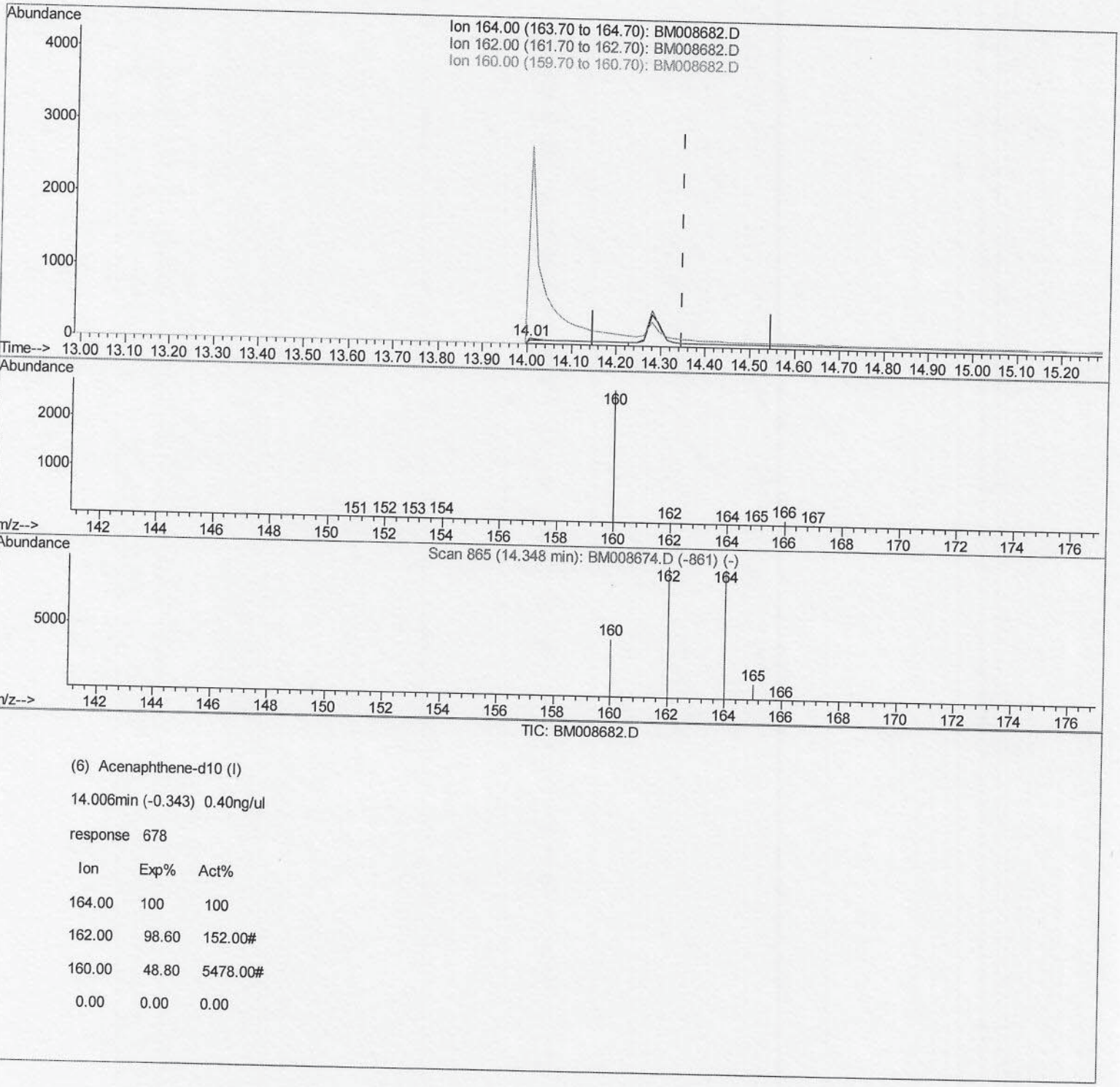

(6) Acenaphthene-d10 (I)

14.006min (-0.343) 0.40ng/ul

response 678

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	152.00#
160.00	48.80	5478.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
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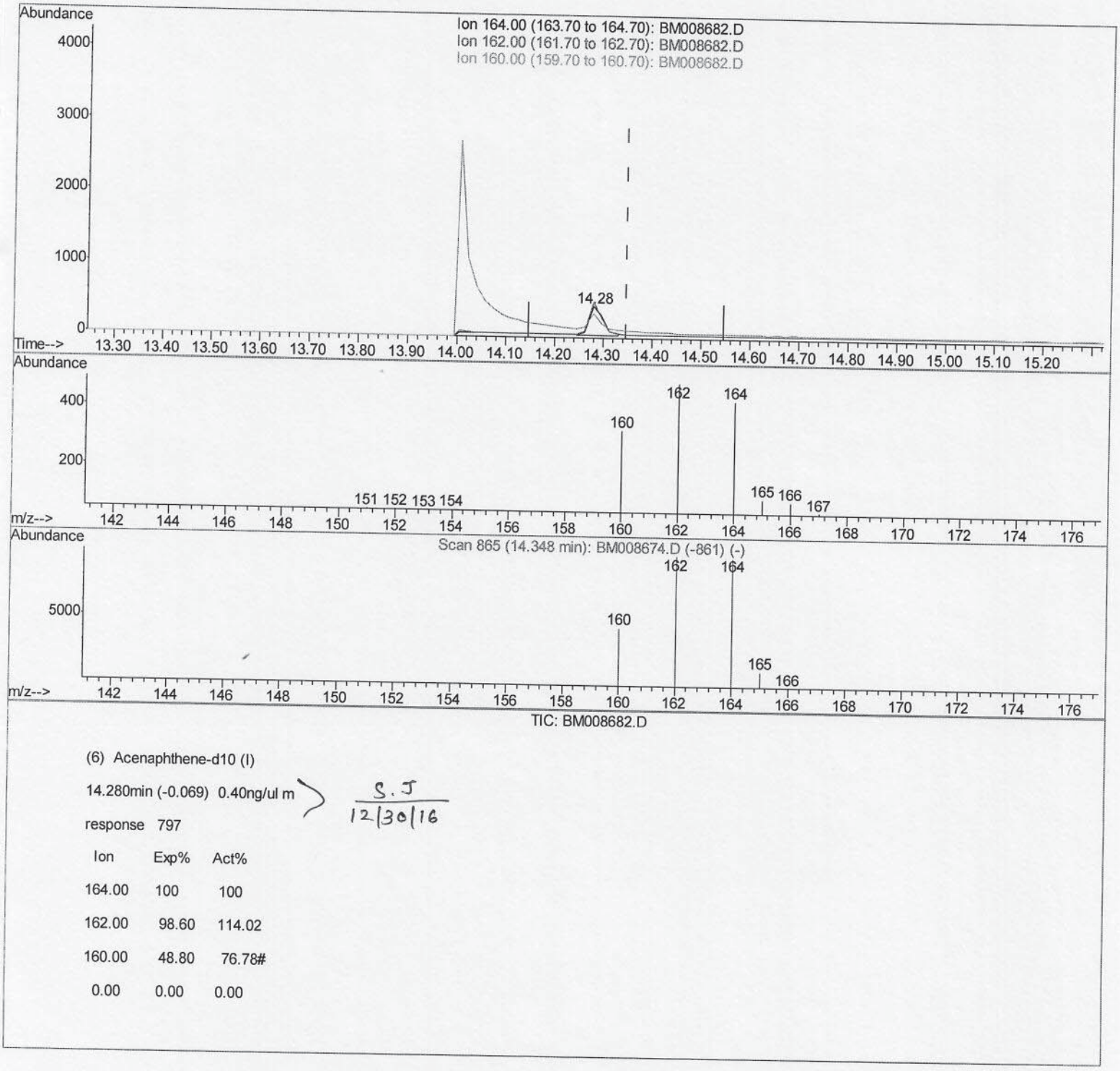


TIC: BM008682.D

(6) Acenaphthene-d10 (I)

14.280min (-0.069) 0.40ng/ul m

response 797

S.J 12/30/16

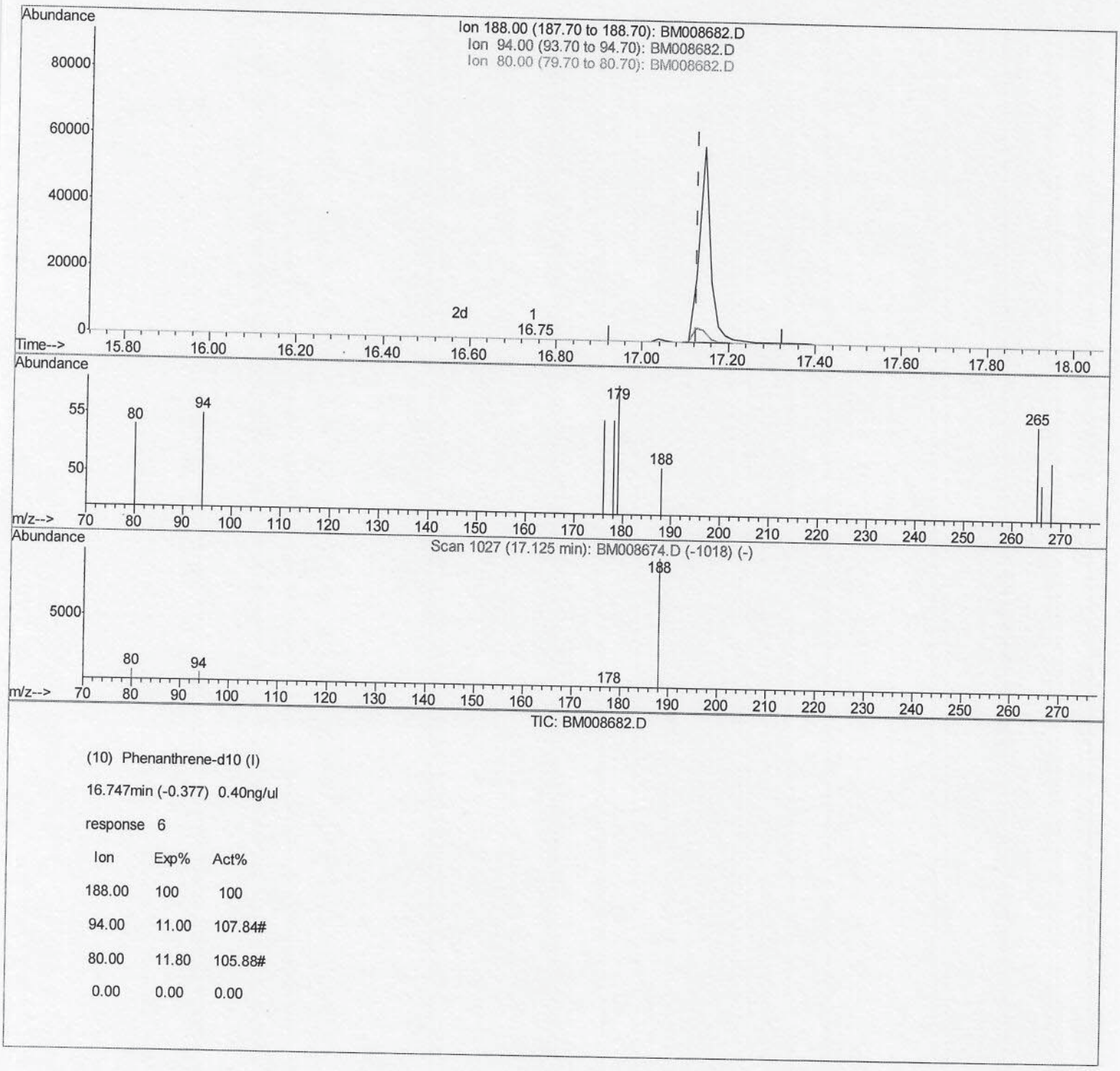
Ion	Exp%	Act%
164.00	100	100
162.00	98.60	114.02
160.00	48.80	76.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM



(10) Phenanthrene-d10 (I)

16.747min (-0.377) 0.40ng/ul

response 6

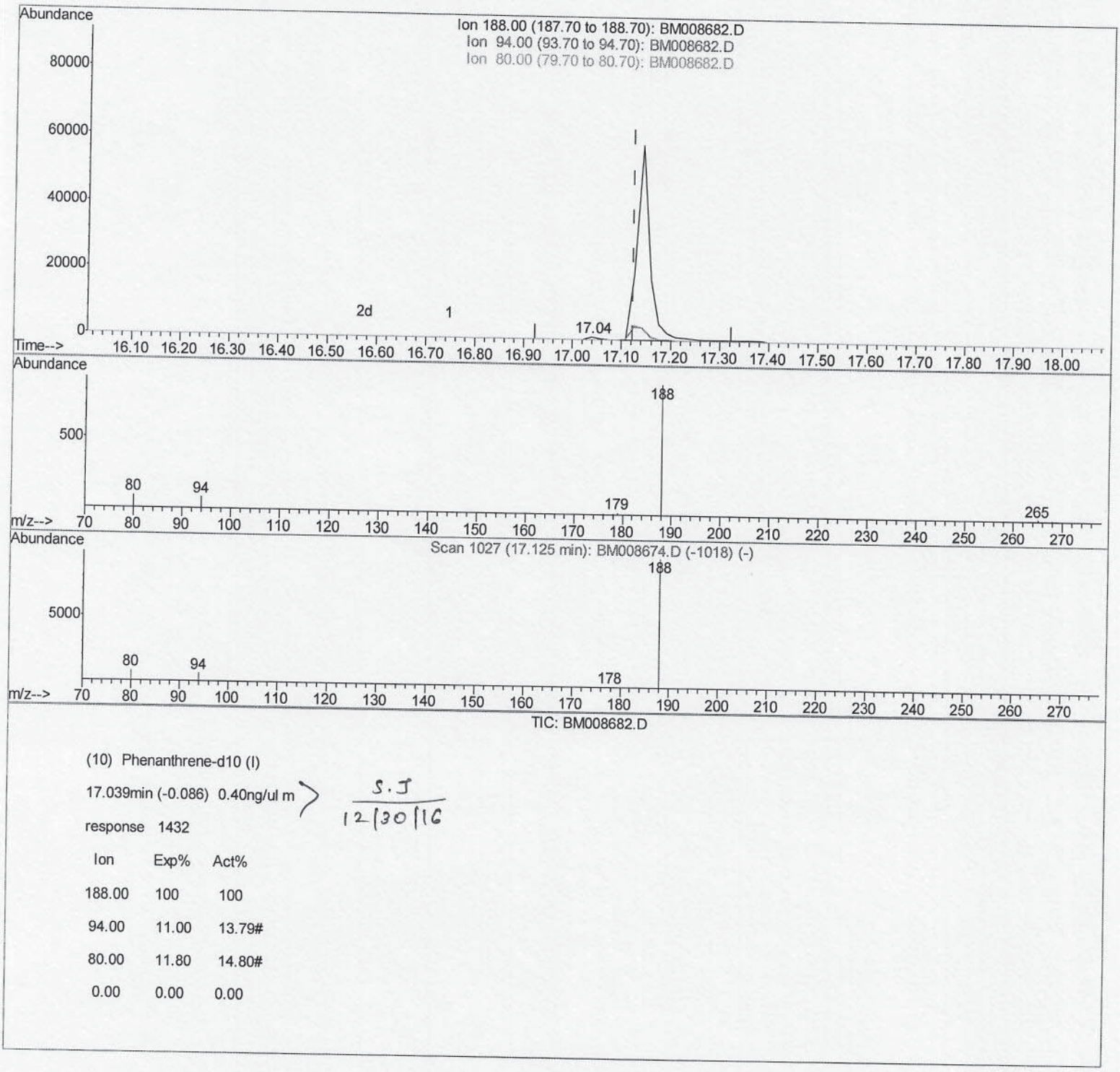
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	107.84#
80.00	11.80	105.88#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM



(10) Phenanthrene-d10 (I)

17.039min (-0.086) 0.40ng/ul m > S.J 12/30/16

response 1432

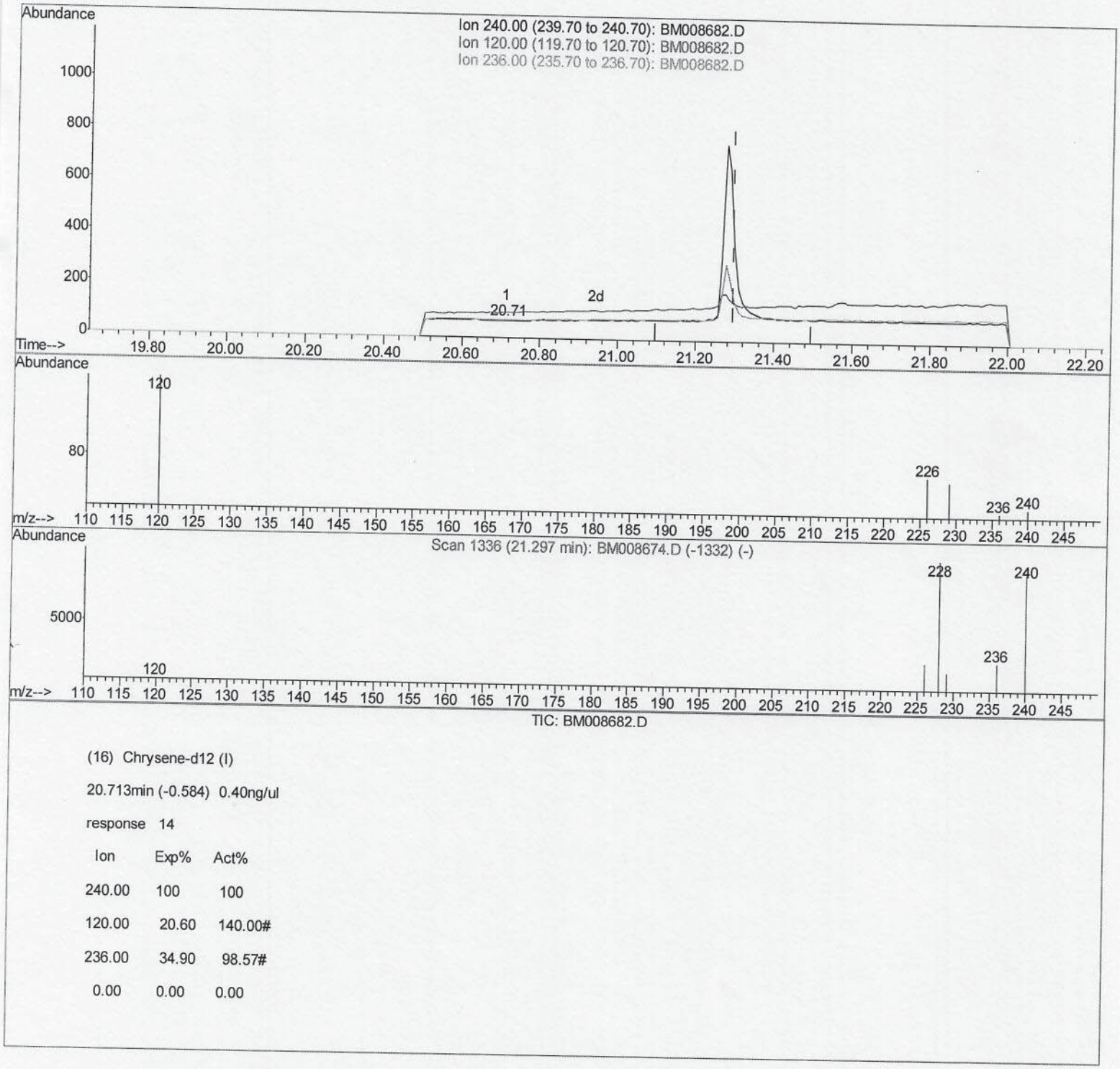
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.79#
80.00	11.80	14.80#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM



(16) Chrysene-d12 (I)

20.713min (-0.584) 0.40ng/ul

response 14

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	140.00#
236.00	34.90	98.57#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
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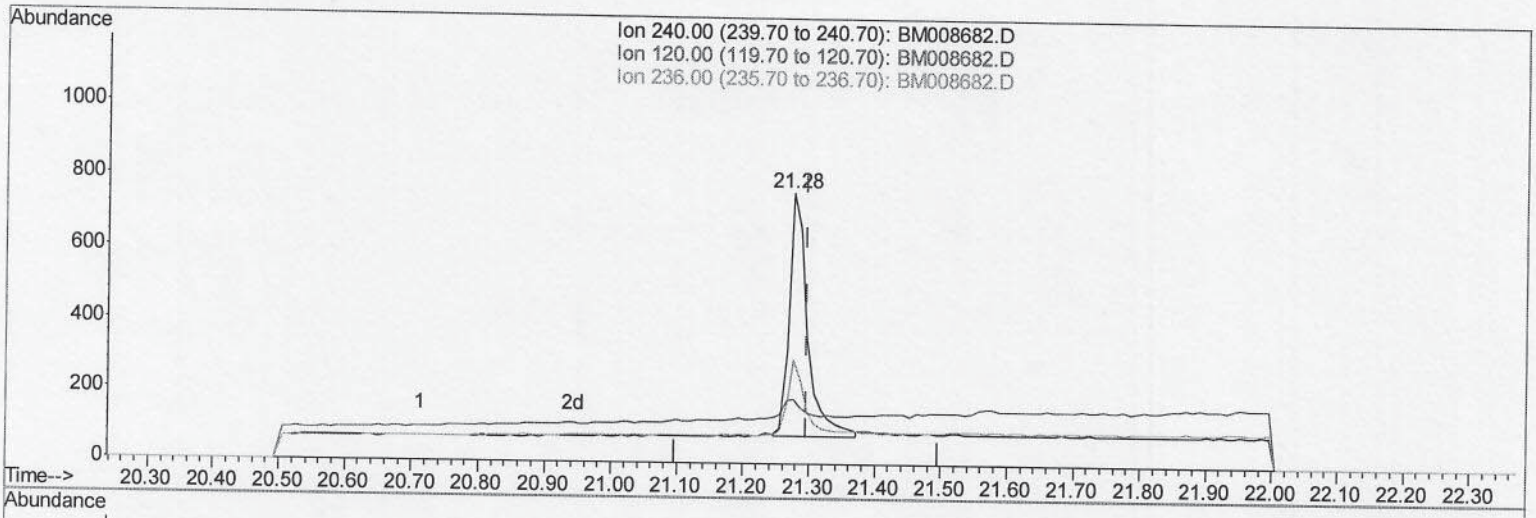
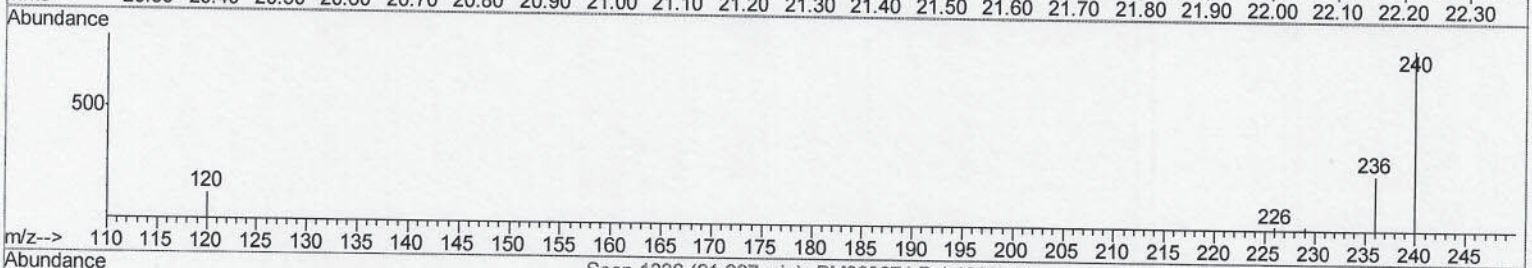
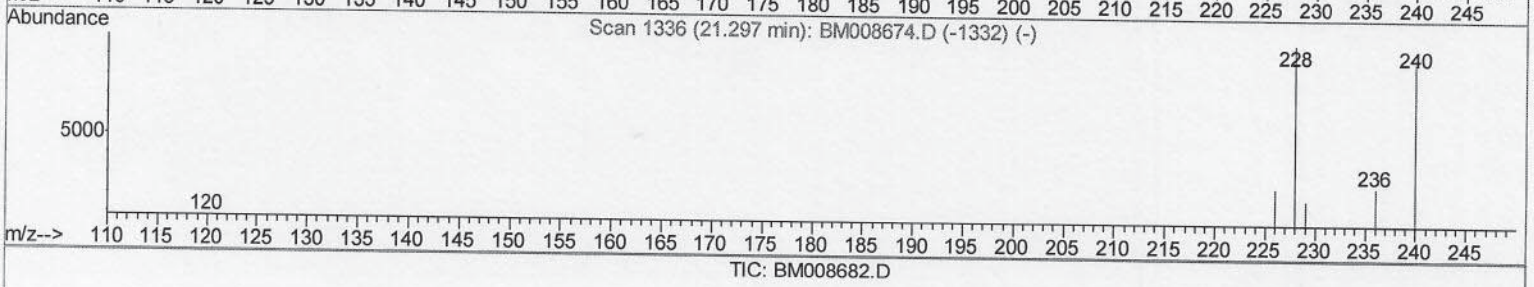






TIC: BM008682.D

(16) Chrysene-d12 (I)

21.276min (-0.021) 0.40ng/ul m

S.J 12/30/16

response 1334

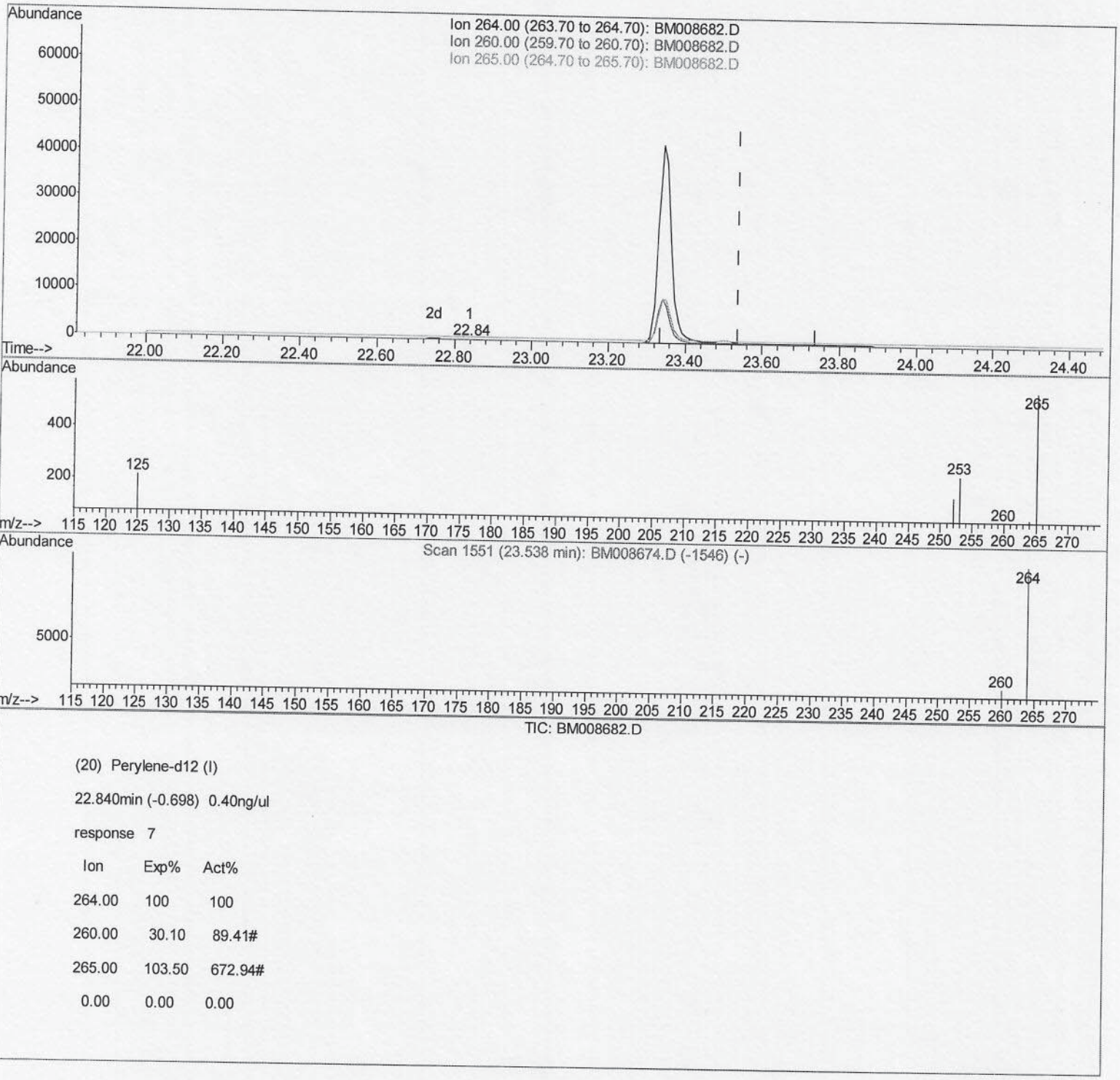
Ion	Exp%	Act%
240.00	100	100
120.00	20.60	23.88
236.00	34.90	38.58
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM



(20) Perylene-d12 (I)

22.840min (-0.698) 0.40ng/ul

response 7

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	89.41#
265.00	103.50	672.94#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:00:25 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
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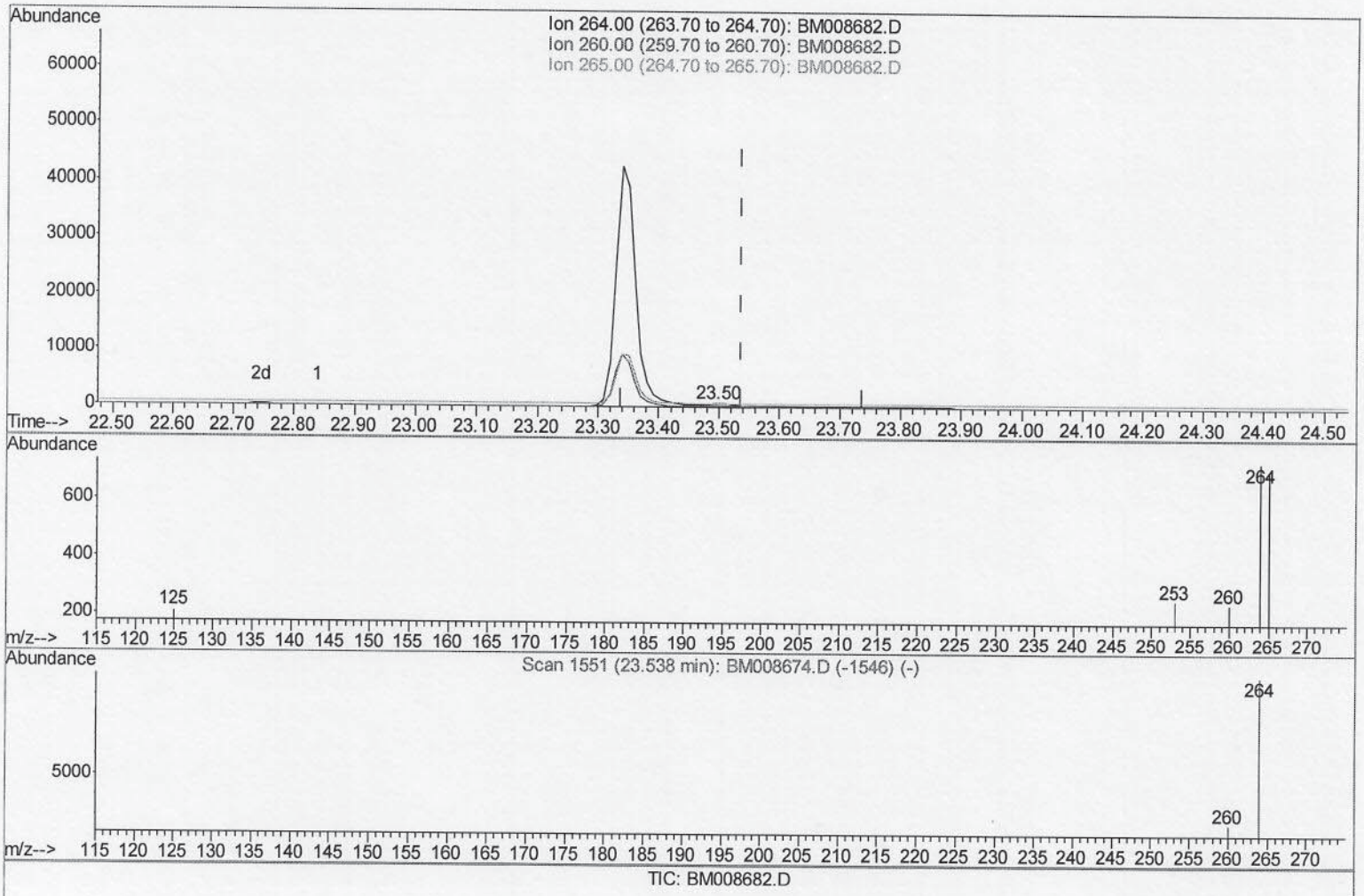

TIC: BM008682.D

(20) Perylene-d12 (I)

23.496min (-0.042) 0.40ng/ul m > S.J 12/30/16

response 948

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.74
265.00	103.50	95.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:01:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
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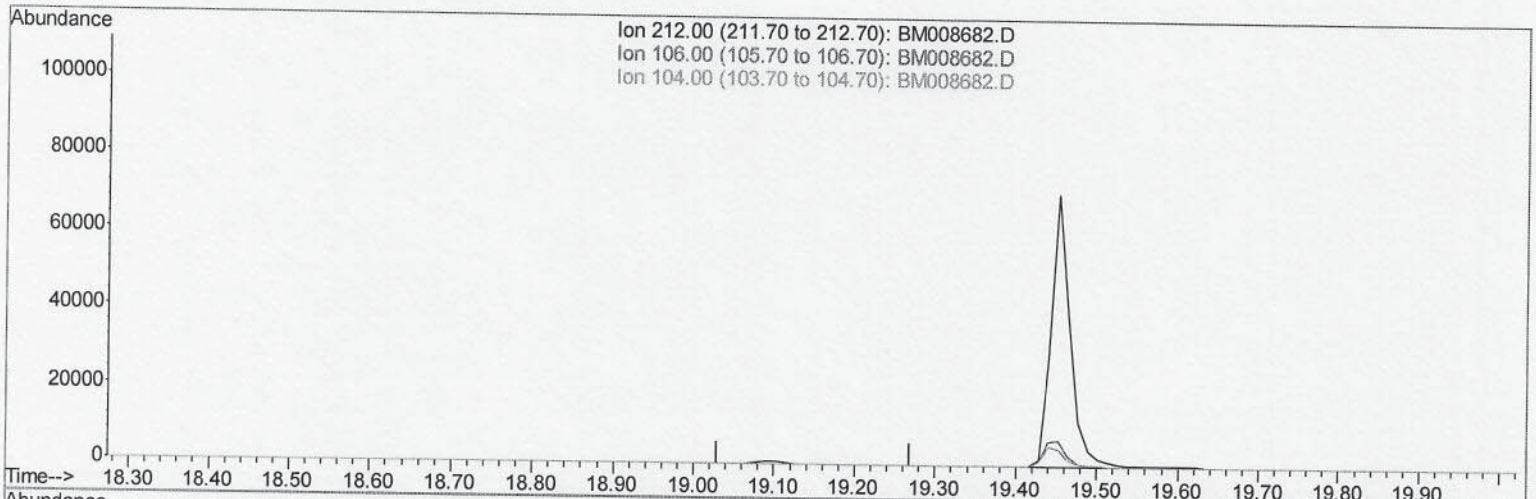
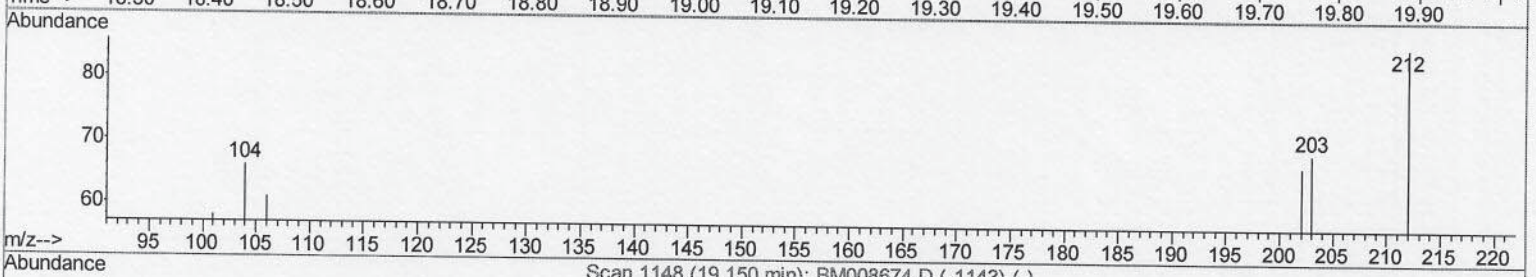
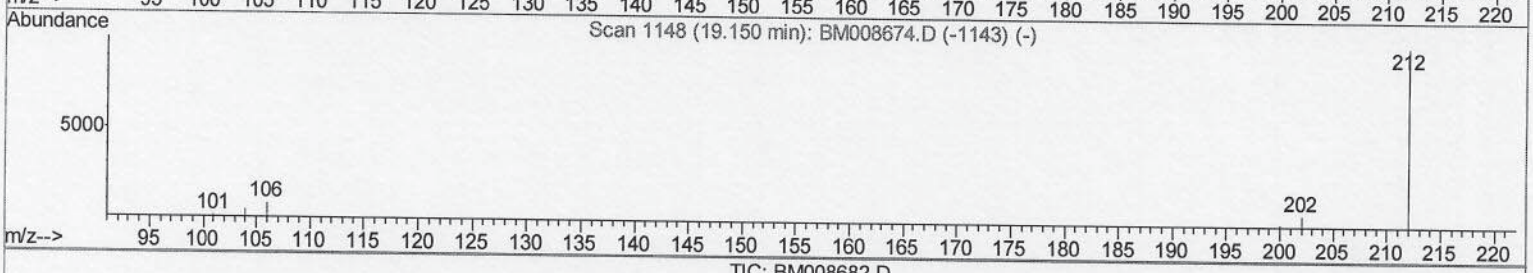






TIC: BM008682.D

(14) Fluoranthene-d10 (SURR)

19.150min (-19.150) 0.00ng/ul

response 0

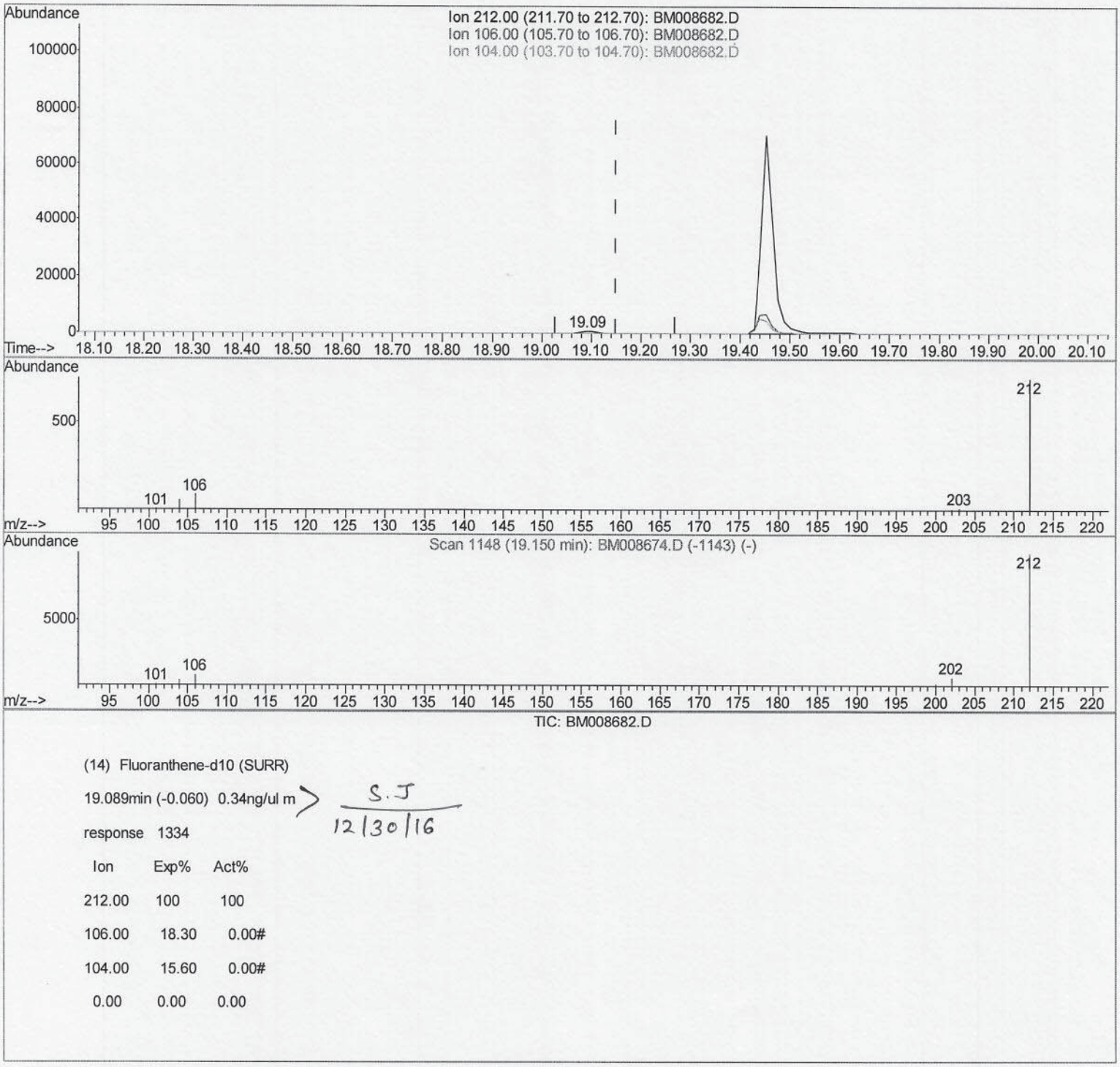
Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:01:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM



TIC: BM008682.D

(14) Fluoranthene-d10 (SURR)

19.089min (-0.060) 0.34ng/ul m

response 1334

S.J 12/30/16

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

(QA Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SBLK35

Manual Integrations APPROVED
Sohil
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Quant Time: Dec 28 05:02:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	417m	0.40	ng/ul	-0.19
2) Naphthalene-d8	10.43	136	1232	0.40	ng/ul	-0.15
6) Acenaphthene-d10	14.28	164	797m	0.40	ng/ul	-0.07
10) Phenanthrene-d10	17.04	188	1432m	0.40	ng/ul	-0.09
16) Chrysene-d12	21.28	240	1334m	0.40	ng/ul	-0.02
20) Perylene-d12	23.50	264	948m	0.40	ng/ul	-0.04
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	555	0.29	ng/ul	-0.10
14) Fluoranthene-d10	19.09	212	1334m	0.34	ng/ul	-0.06
Target Compounds						Qvalue

S.J 12/30/16

S.J 12/30/16

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

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122716\
Data File : BM008682.D
Acq On : 27 Dec 2016 20:28
Operator : UM/SJ
Sample : PB95435BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 05:02:23 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 03:24:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SBLK35

Manual Integrations APPROVED
Sohil
12/30/2016 8:45:57 AM