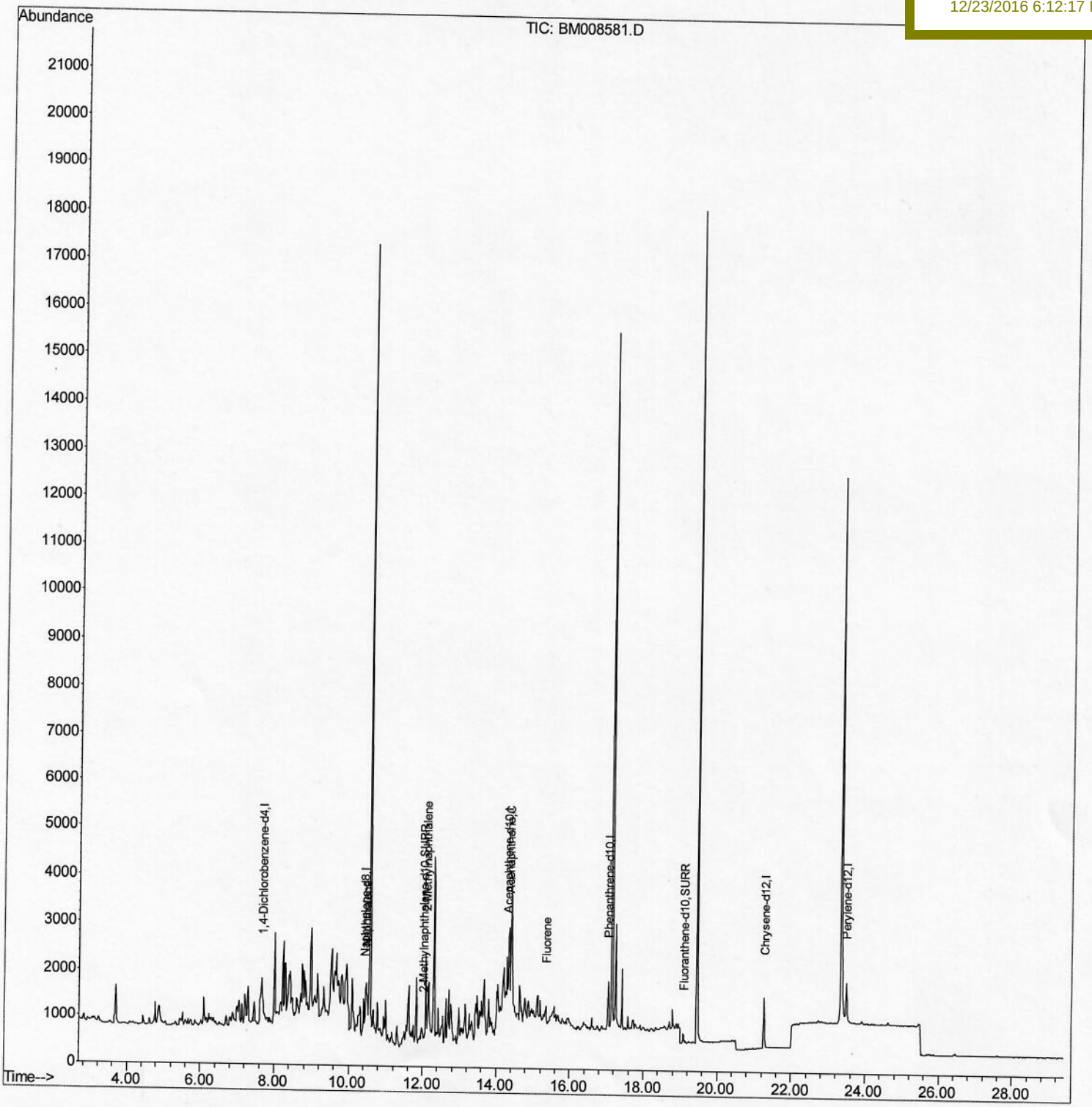
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 12:53:35 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM



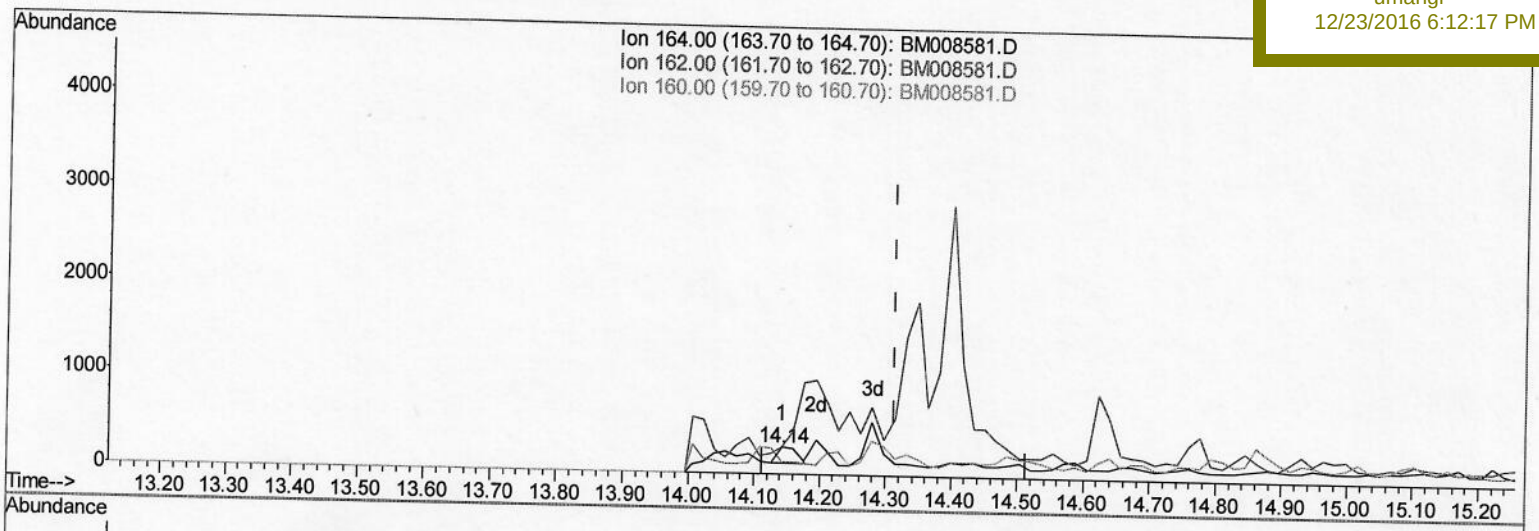
Quantitation Report (Qedit)

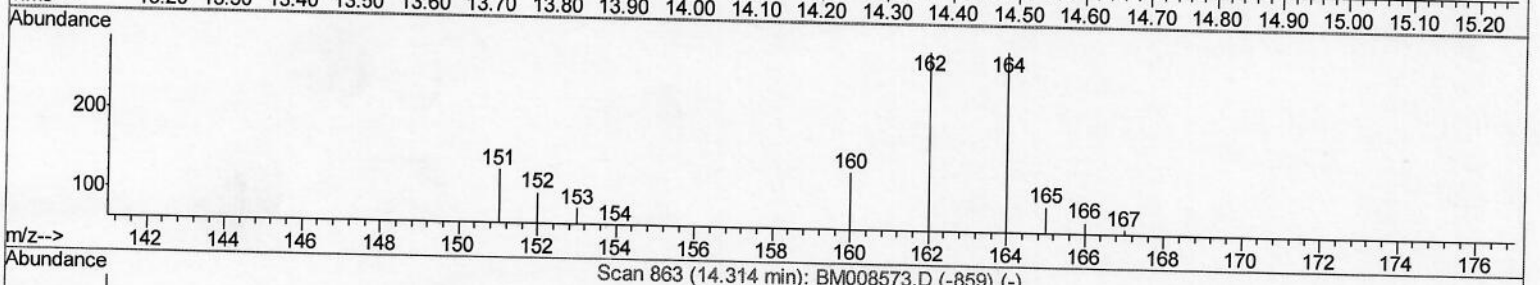
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

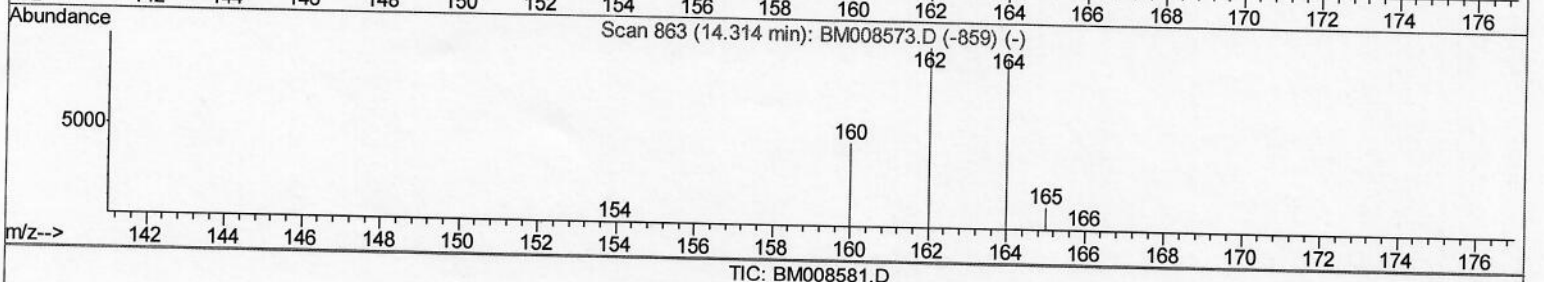
Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM







(6) Acenaphthene-d10 (I)

14.143min (-0.171) 0.40ng/ul

response 352

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	99.65
160.00	48.80	46.53
0.00	0.00	0.00

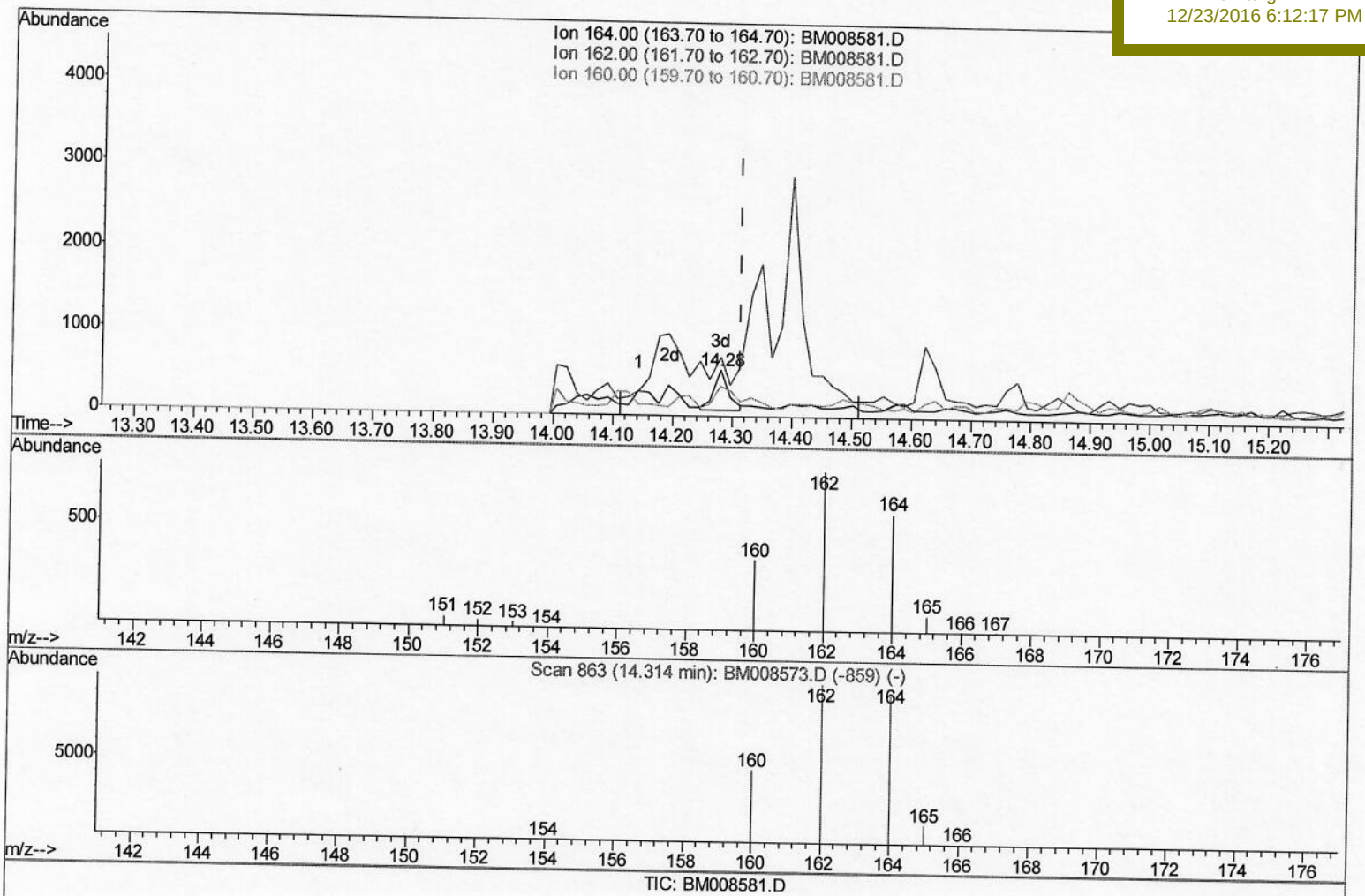
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM



(6) Acenaphthene-d10 (I)

14.280min (-0.034) 0.40ng/ul m

response 820

S.J
12/23/16

Ion	Exp%	Act%
164.00	100	100
162.00	98.60	130.02#
160.00	48.80	65.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
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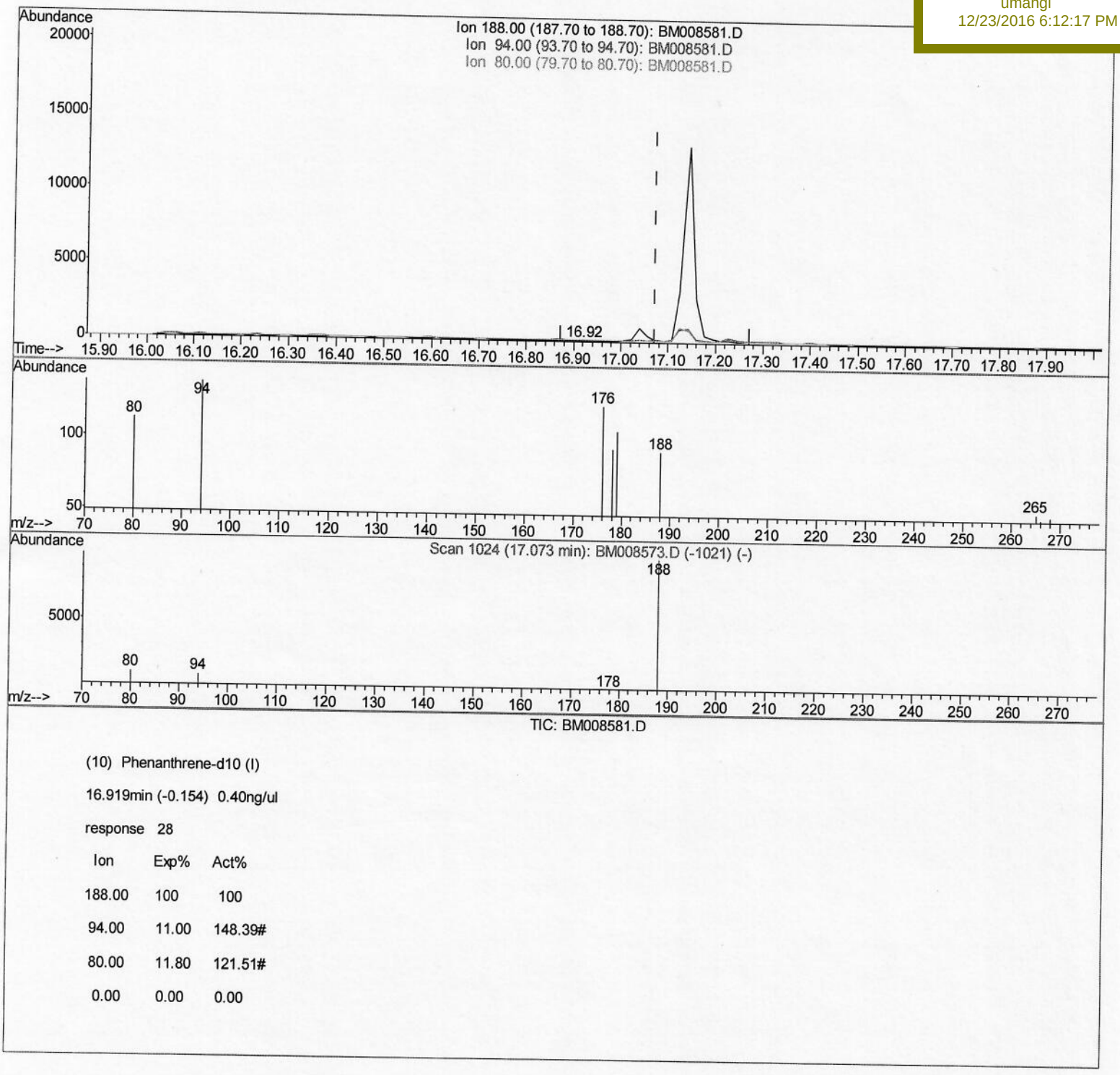


TIC: BM008581.D

(10) Phenanthrene-d10 (I)

16.919min (-0.154) 0.40ng/ul

response 28

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	148.39#
80.00	11.80	121.51#
0.00	0.00	0.00

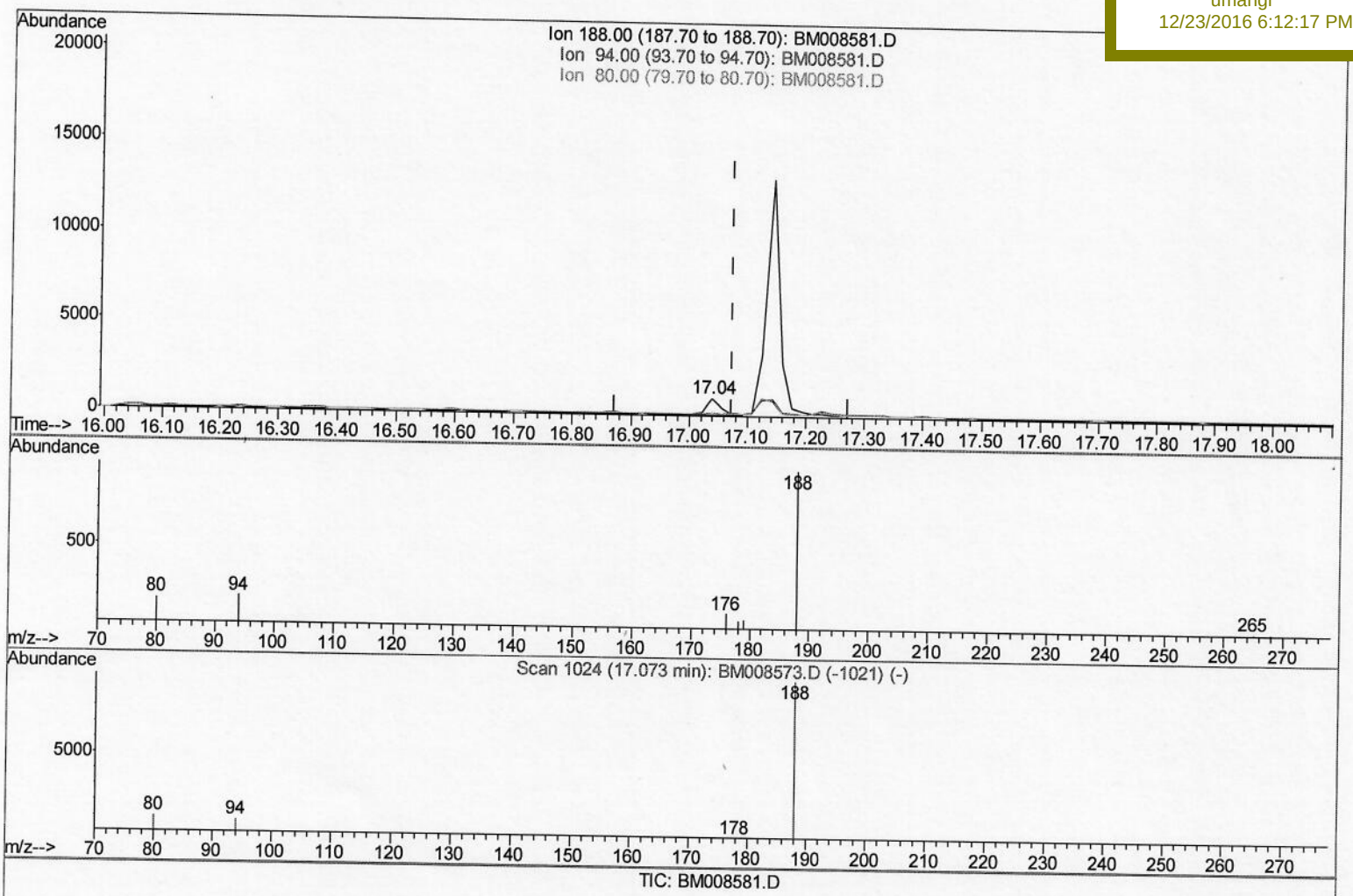
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM



(10) Phenanthrene-d10 (I)

17.039min (-0.034) 0.40ng/ul m

response 1656

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	21.08#
80.00	11.80	19.52#
0.00	0.00	0.00

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12/23/16

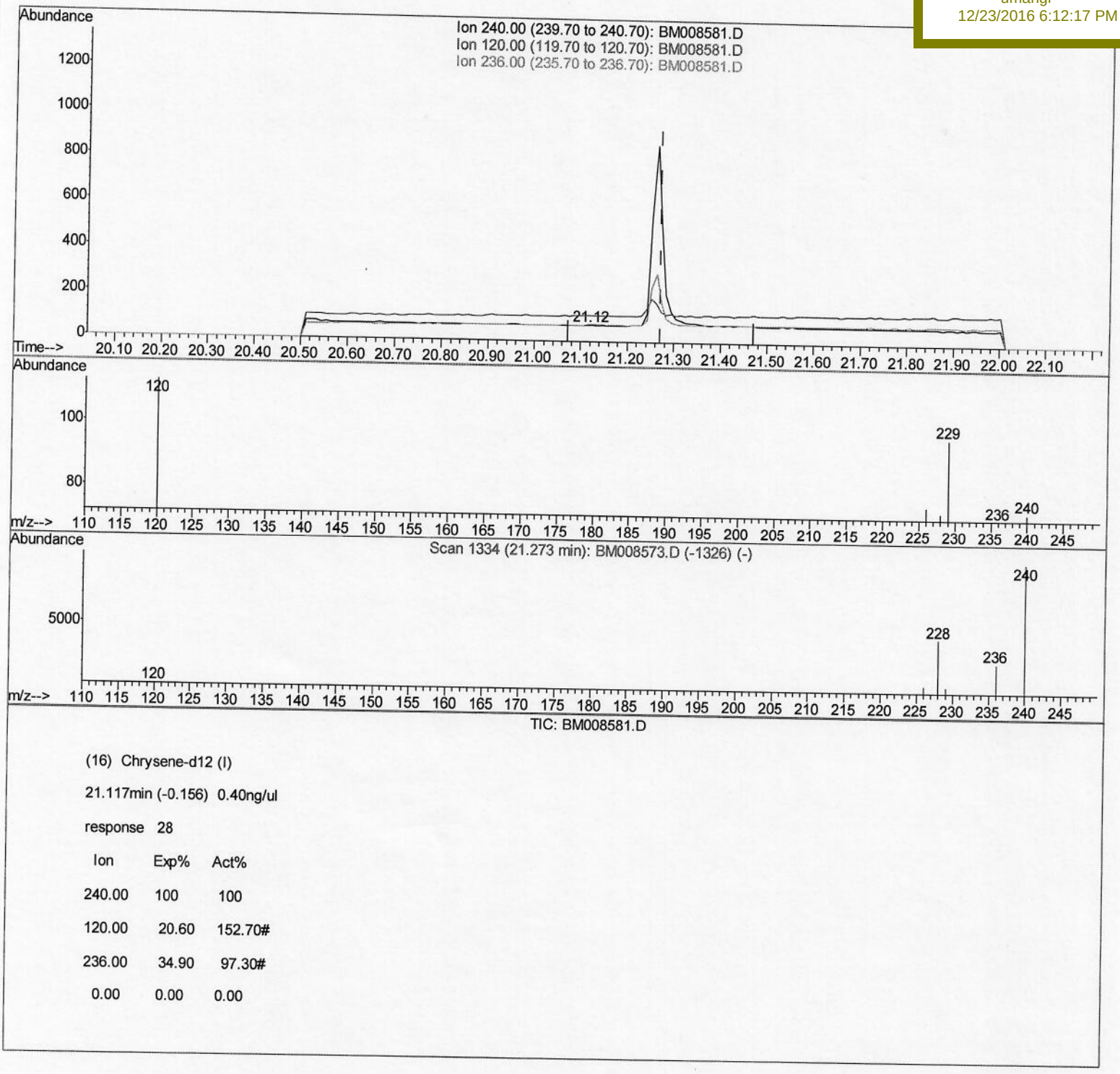
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM



TIC: BM008581.D

(16) Chrysene-d12 (I)

21.117min (-0.156) 0.40ng/ul

response 28

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	152.70#
236.00	34.90	97.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
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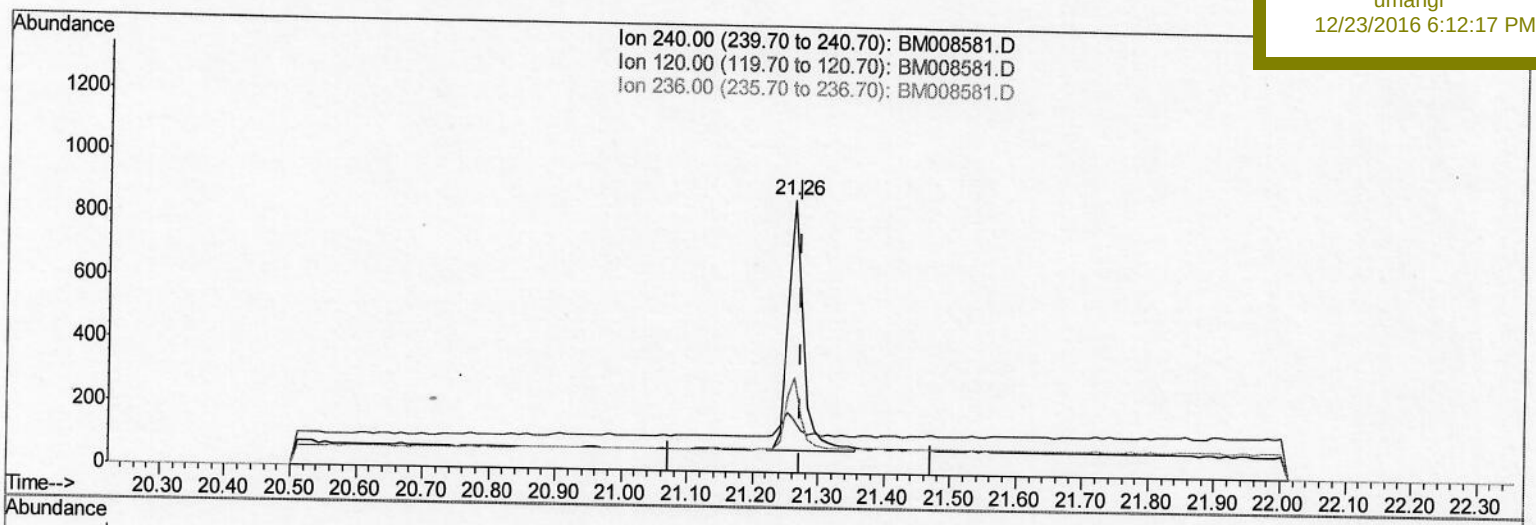

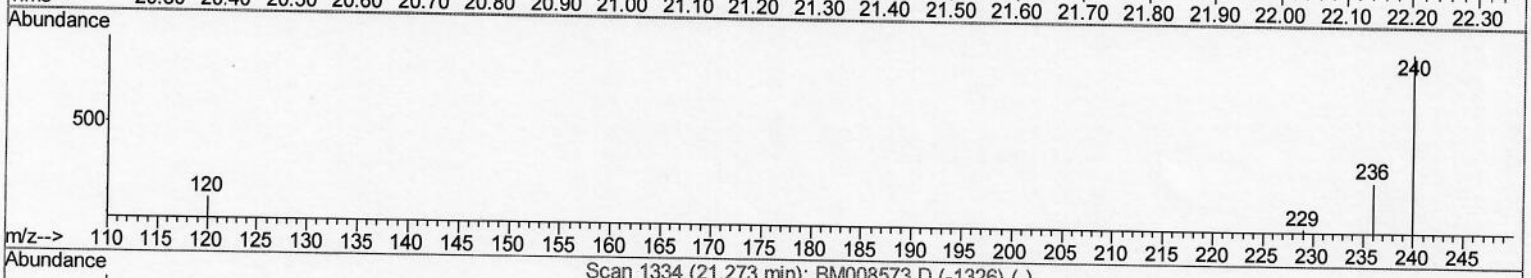

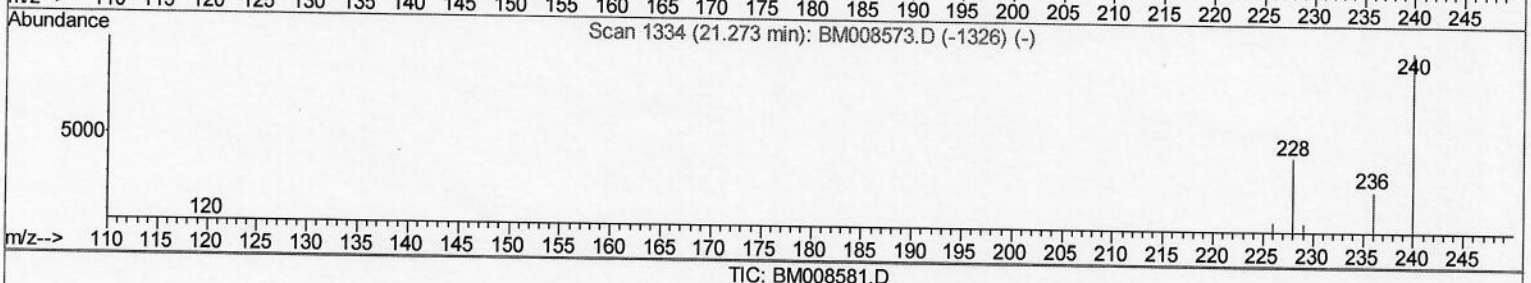

TIC: BM008581.D

(16) Chrysene-d12 (I)

21.262min (-0.010) 0.40ng/ul m

response 1314

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	19.63
236.00	34.90	34.87
0.00	0.00	0.00

SS
12/23/16

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
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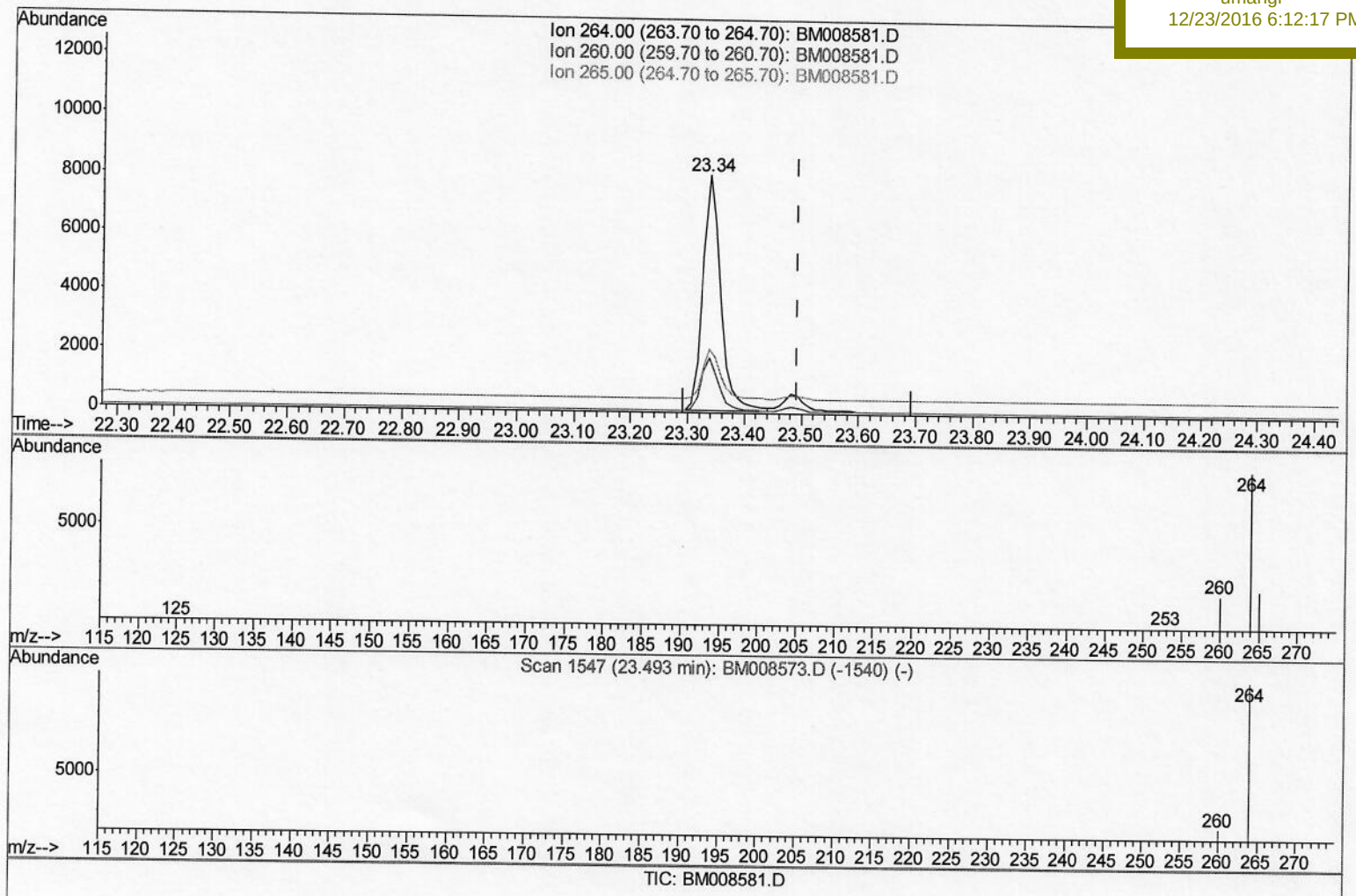


TIC: BM008581.D

(20) Perylene-d12 (I)

23.337min (-0.156) 0.40ng/ul

response 17799

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.91#
265.00	103.50	26.27#
0.00	0.00	0.00

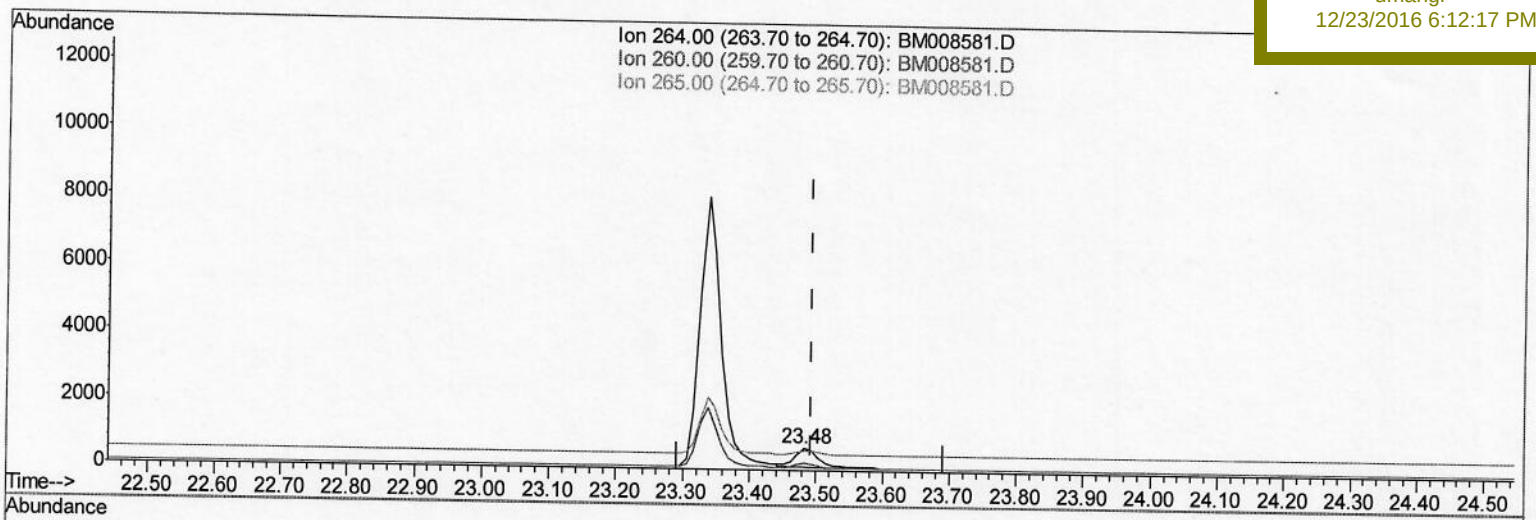
Quantitation Report (Qedit)

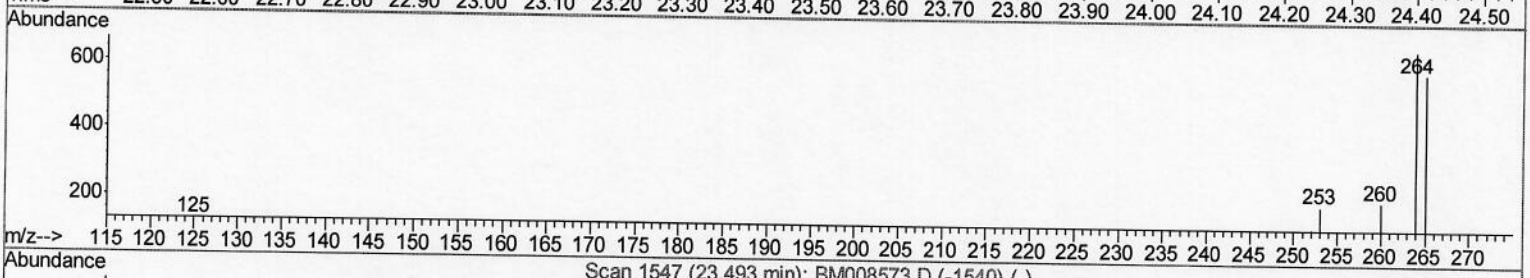
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

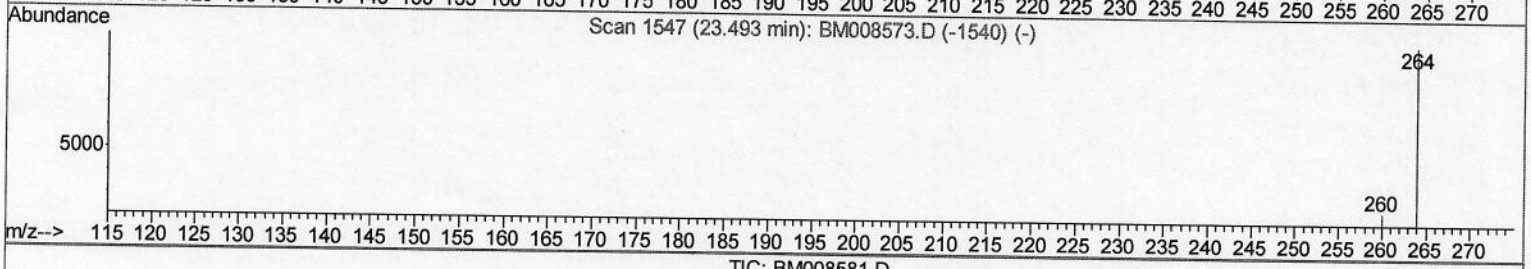
Quant Time: Dec 23 07:15:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM







TIC: BM008581.D

(20) Perylene-d12 (I)

23.483min (-0.010) 0.40ng/ul m

response 1477

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	32.33
265.00	103.50	89.77
0.00	0.00	0.00

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12/23/16

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
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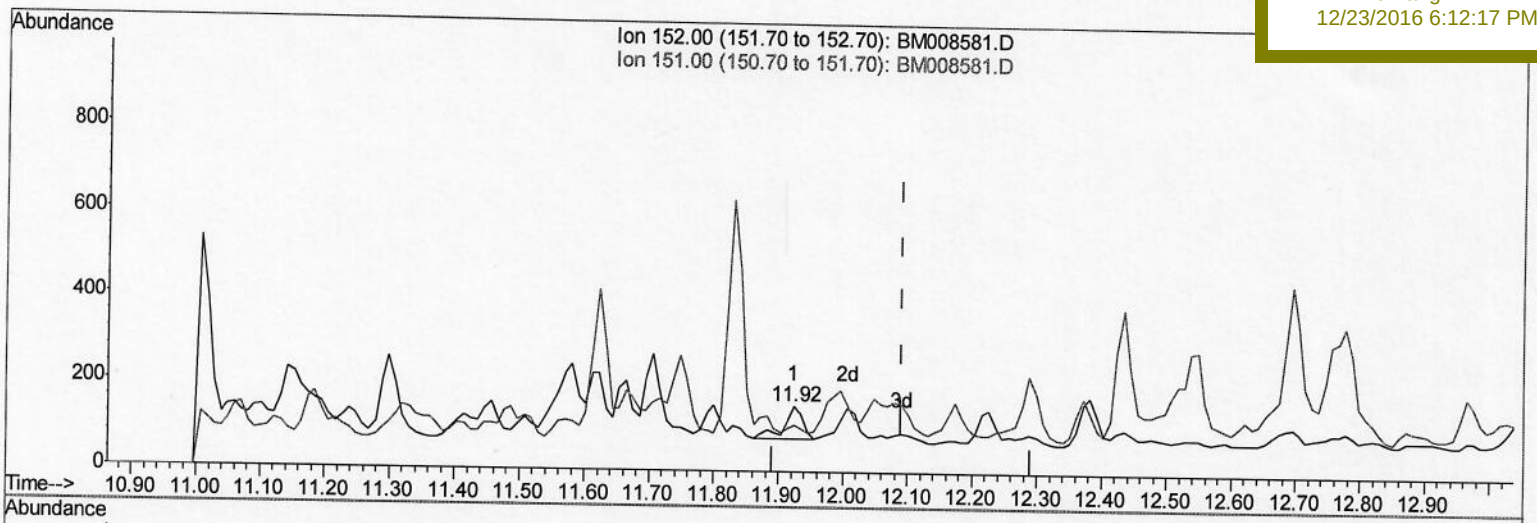
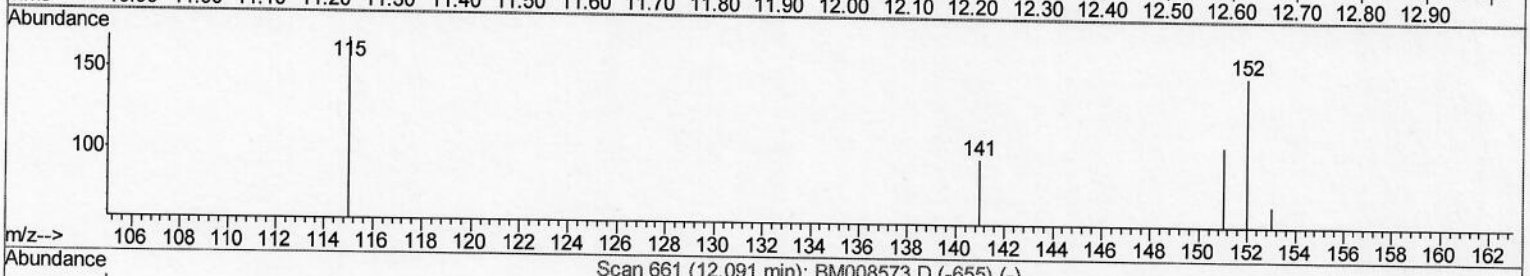
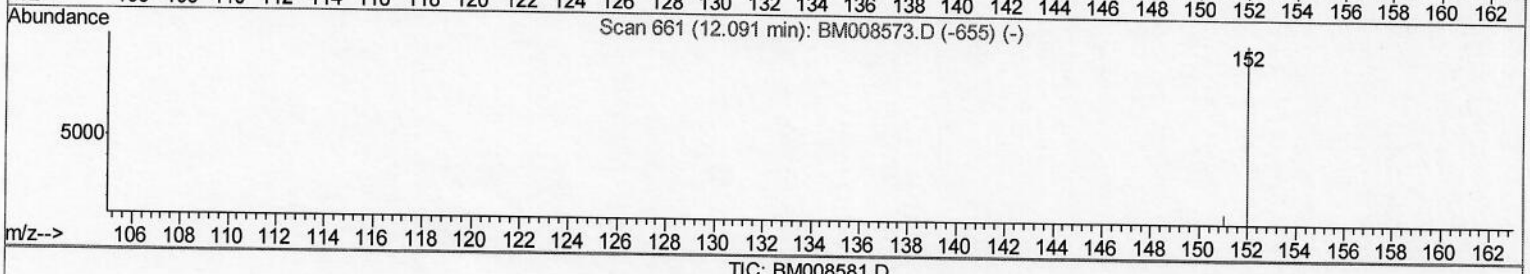






TIC: BM008581.D

(4) 2-Methylnaphthalene-d10 (SURR)

11.924min (-0.166) 0.08ng/ul

response 148

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	16.22
0.00	0.00	0.00
0.00	0.00	0.00

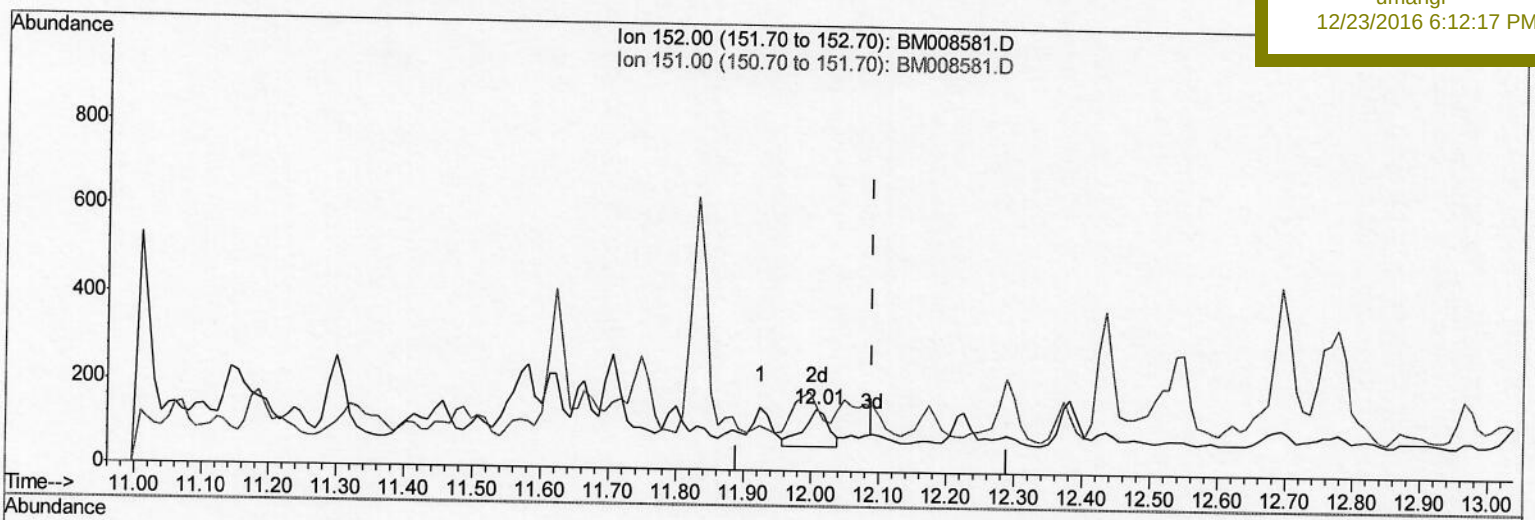
Quantitation Report (Qedit)

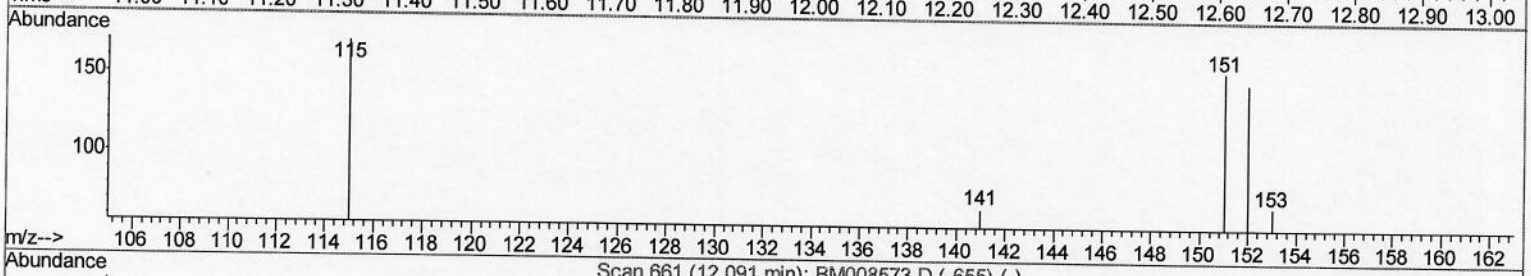
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

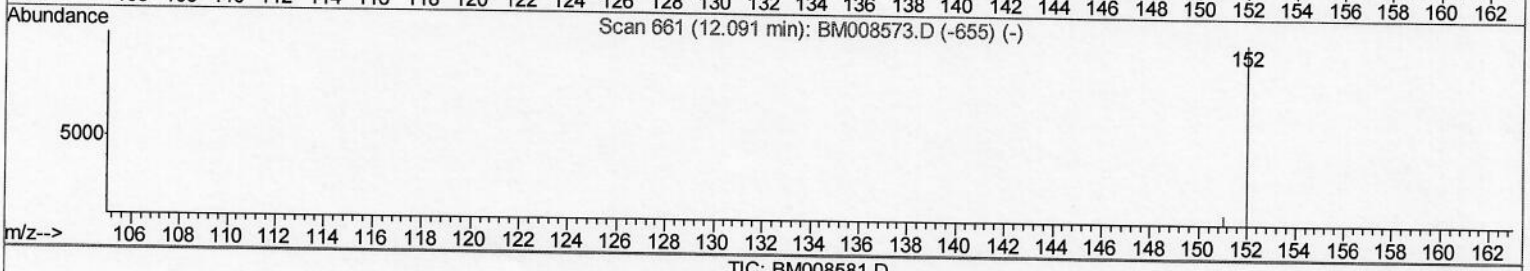
Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM







TIC: BM008581.D

(4) 2-Methylnaphthalene-d10 (SURR)

12.007min (-0.083) 0.12ng/ul m

response 230

Ion	Exp%	Act%
152.00	100	100
151.00	19.30	10.43#
0.00	0.00	0.00
0.00	0.00	0.00

S.S

12/23/16

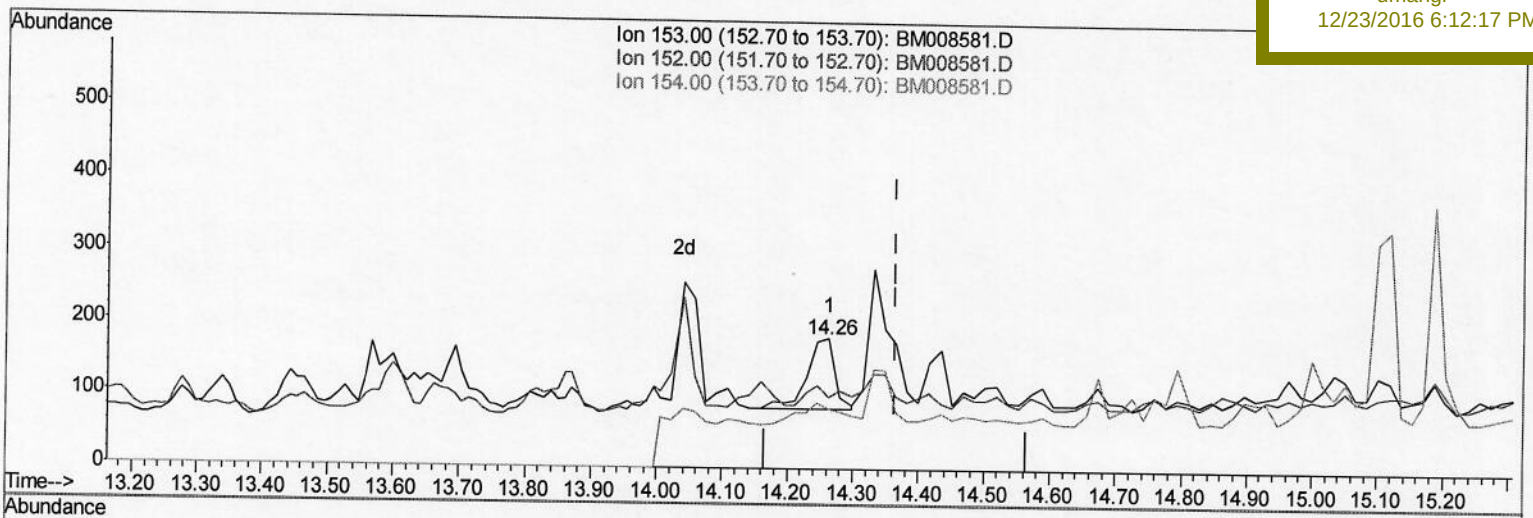
Quantitation Report (Qedit)

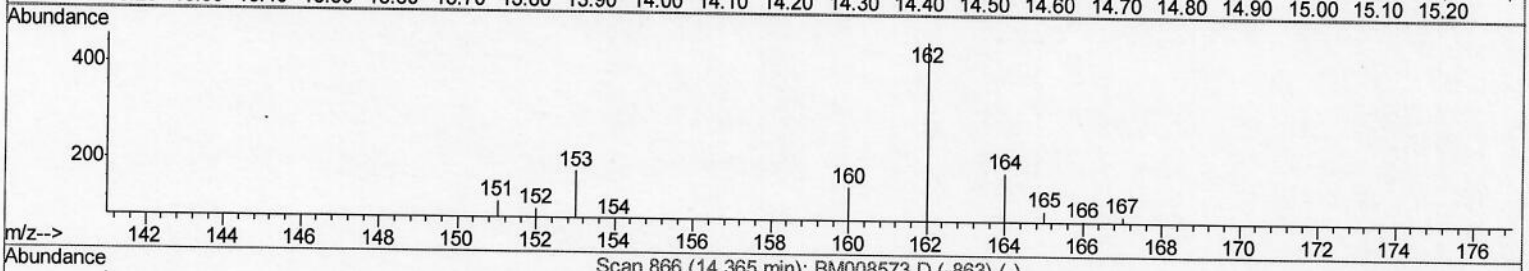
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

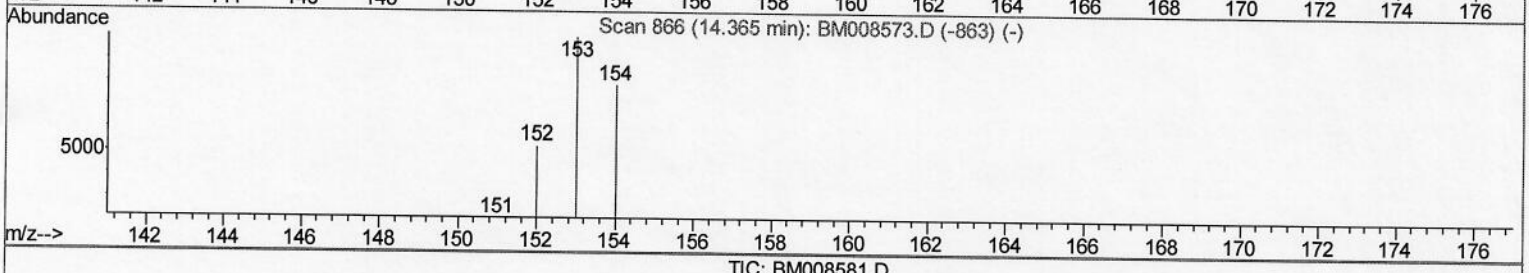
Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM







TIC: BM008581.D

(8) Acenaphthene (C)

14.263min (-0.103) 0.11ng/ul

response 301

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	55.00
154.00	89.30	45.00#
0.00	0.00	0.00

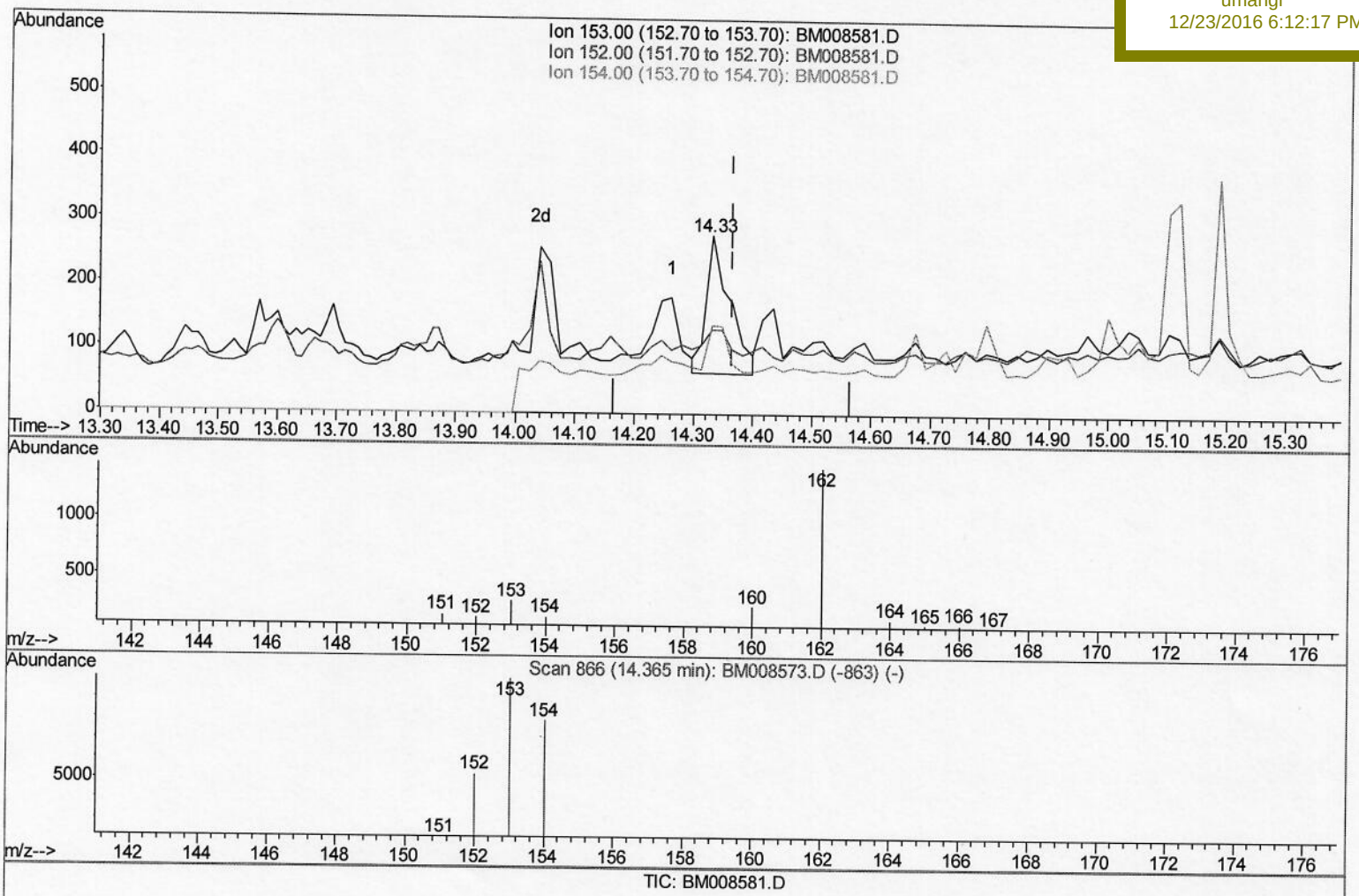
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM



TIC: BM008581.D

(8) Acenaphthene (C)

14.331min (-0.034) 0.21ng/ul m

response 592

Ion	Exp%	Act%
153.00	100	100
152.00	50.40	47.65
154.00	89.30	49.82#
0.00	0.00	0.00

S.S

12/23/16

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
BNA_M
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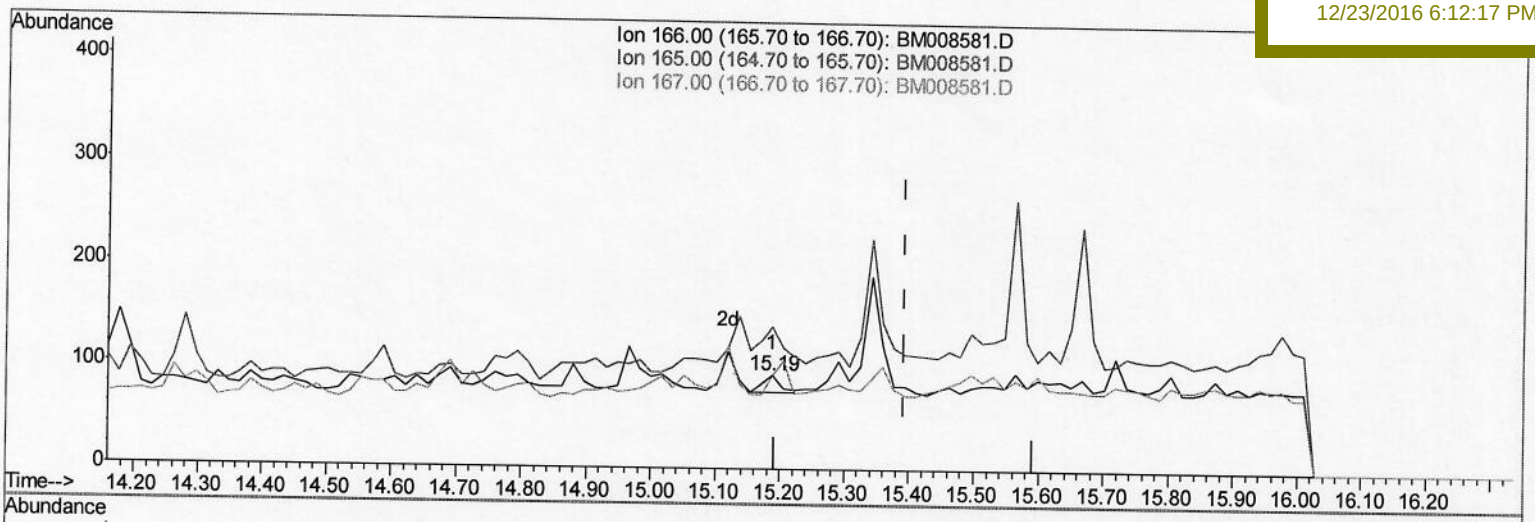
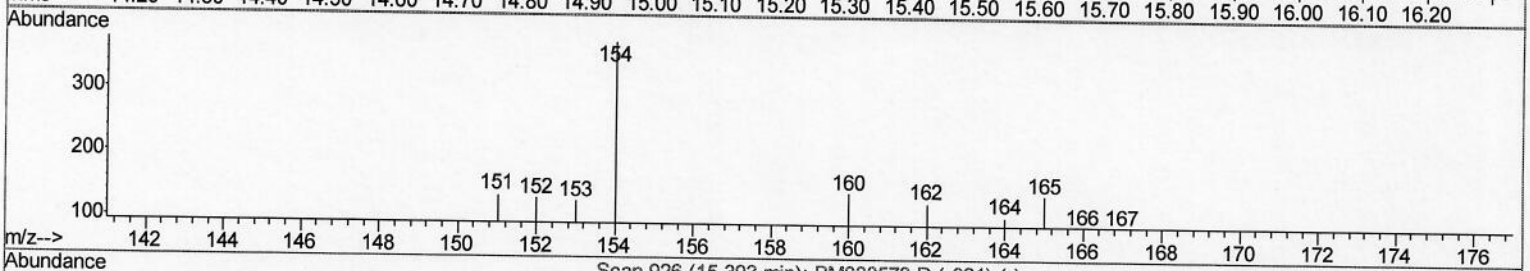
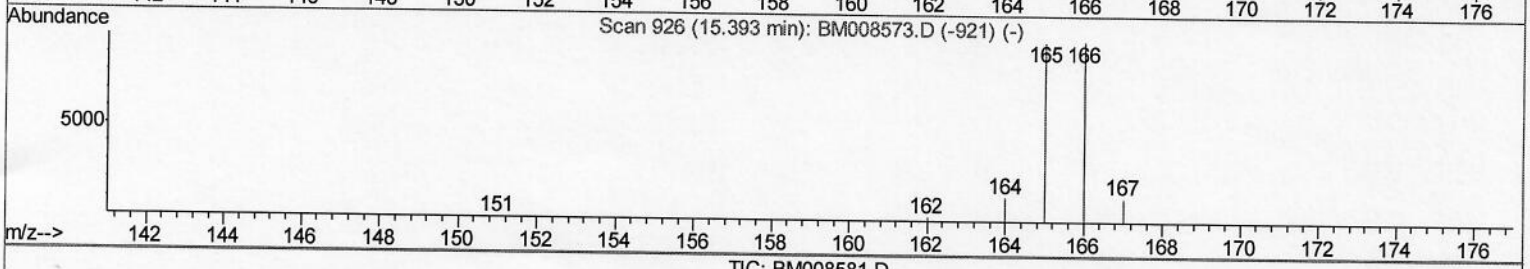
Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM







TIC: BM008581.D

(9) Fluorene

15.188min (-0.205) 0.01ng/ul

response 33

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	152.17#
167.00	18.30	100.00#
0.00	0.00	0.00

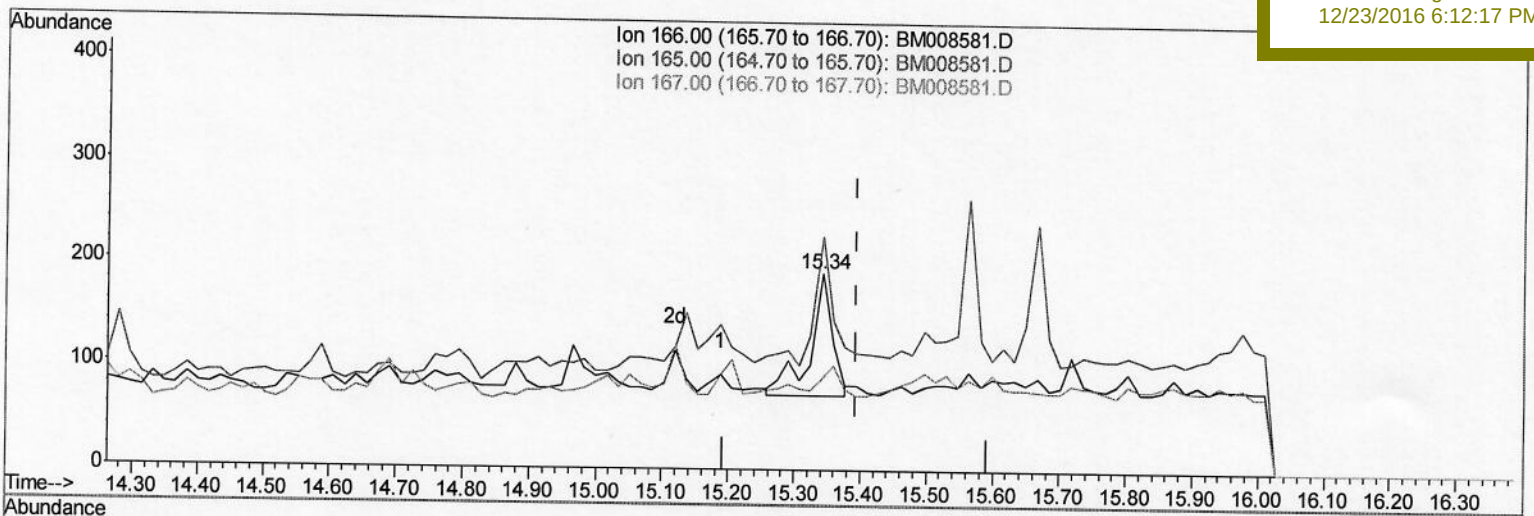
Quantitation Report (Qedit)

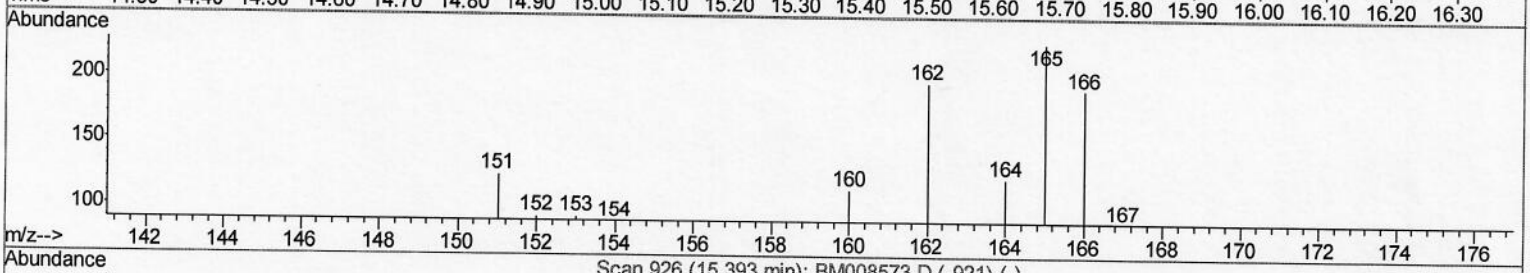
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

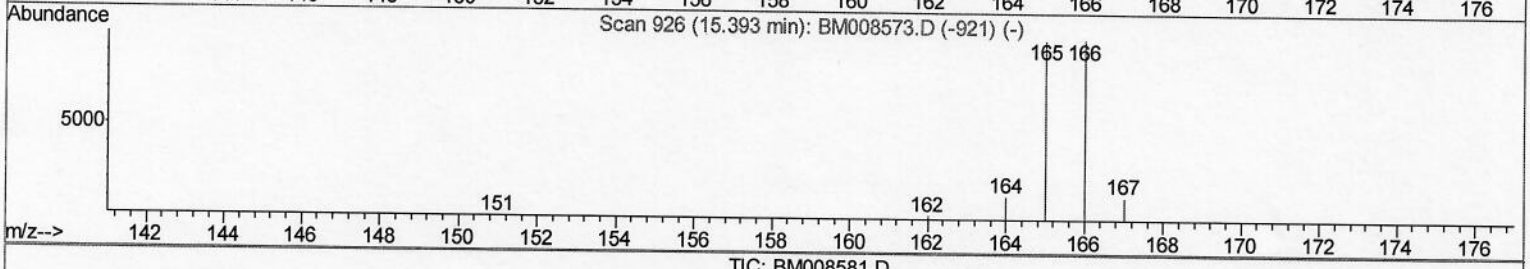
Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
12/23/2016 6:12:17 PM







TIC: BM008581.D

(9) Fluorene

15.342min (-0.051) 0.09ng/ul m

response 281

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	118.85#
167.00	18.30	46.60#
0.00	0.00	0.00

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12/23/16

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
umangi
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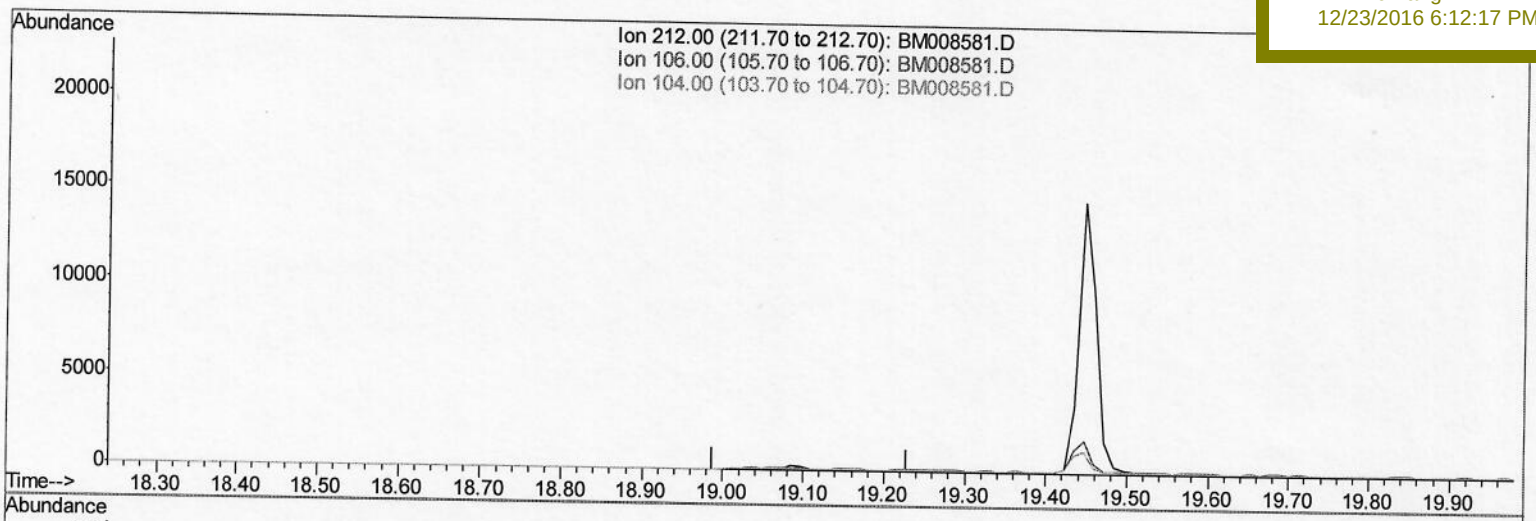

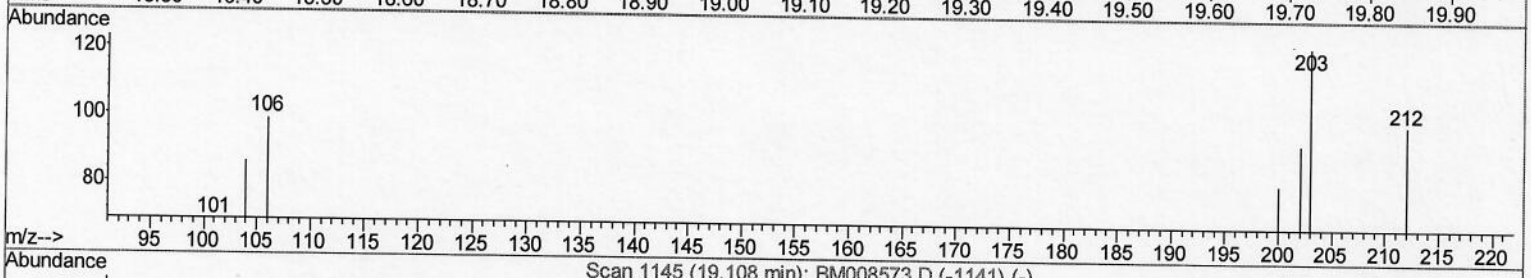

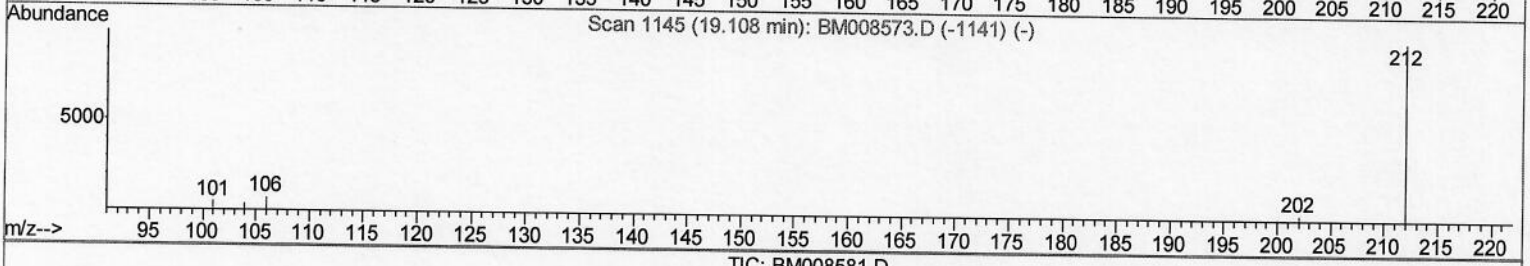

TIC: BM008581.D

(14) Fluoranthene-d10 (SURR)

19.108min (-19.108) 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

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 07:18:04 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA887DL

Manual Integrations APPROVED
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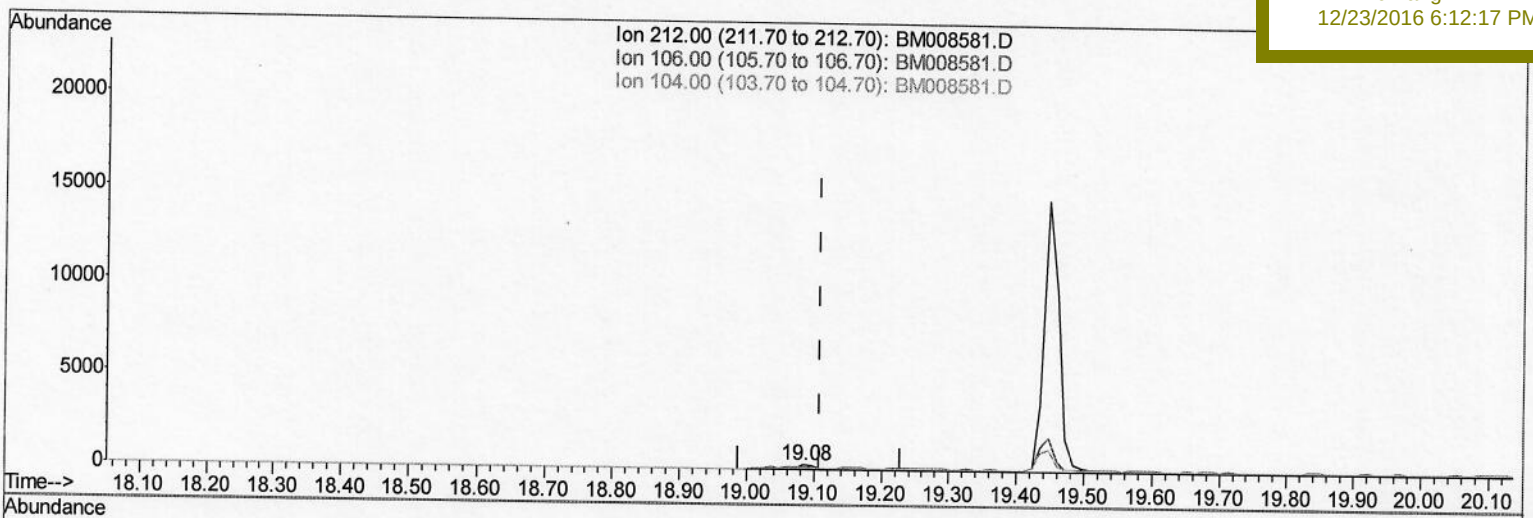

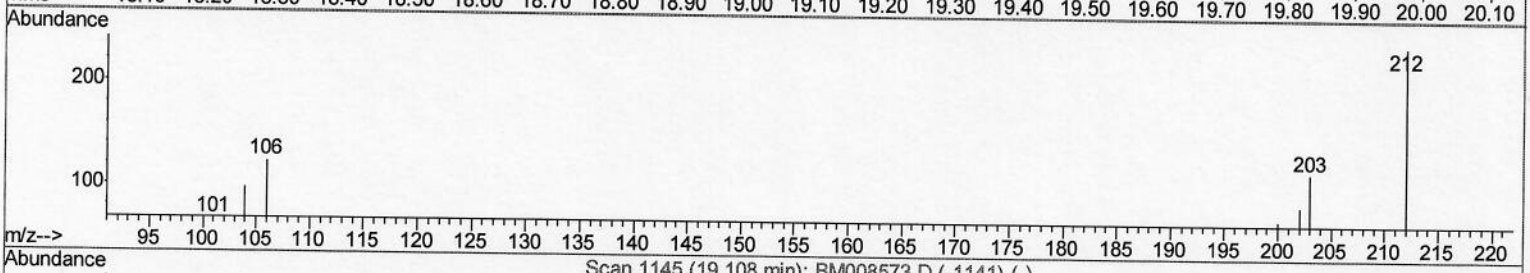

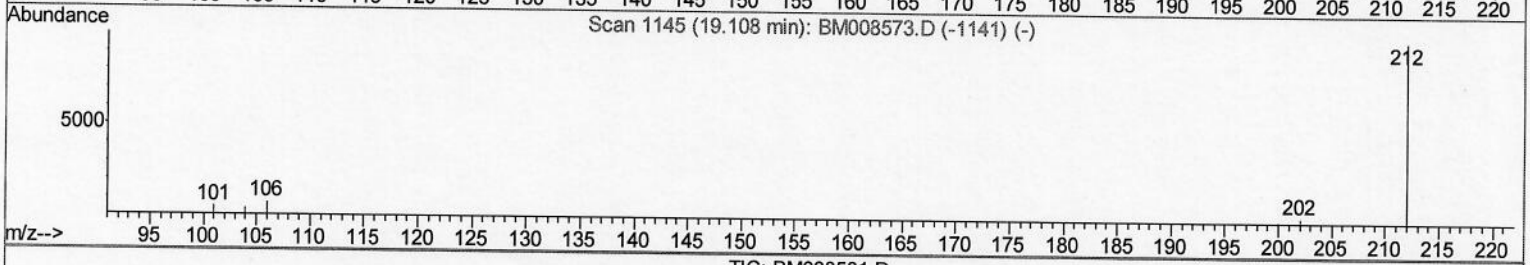

TIC: BM008581.D

(14) Fluoranthene-d10 (SURR)

19.084min (-0.024) 0.08ng/ul m

response 347

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

SJ
12/23/16

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM122216\
Data File : BM008581.D
Acq On : 23 Dec 2016 06:29
Operator : UM/SJ
Sample : H5996-16DL 5X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Dec 23 12:53:35 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : DA887DL

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	367	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.42	136	1248	0.40	ng/ul	-0.07
6) Acenaphthene-d10	14.28	164	820m	0.40	ng/ul	-0.03
10) Phenanthrene-d10	17.04	188	1656m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.26	240	1314m	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	1477m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	156m	0.08	ng/ul	-0.08
14) Fluoranthene-d10	19.08	212	347m	0.08	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.46	128	1065	0.30	ng/ul#	82
5) 2-Methylnaphthalene	12.08	142	1259	0.53	ng/ul	99
8) Acenaphthene	14.33	153	592m	0.21	ng/ul	
9) Fluorene	15.34	166	281m	0.09	ng/ul	

5.3
12/23/16

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