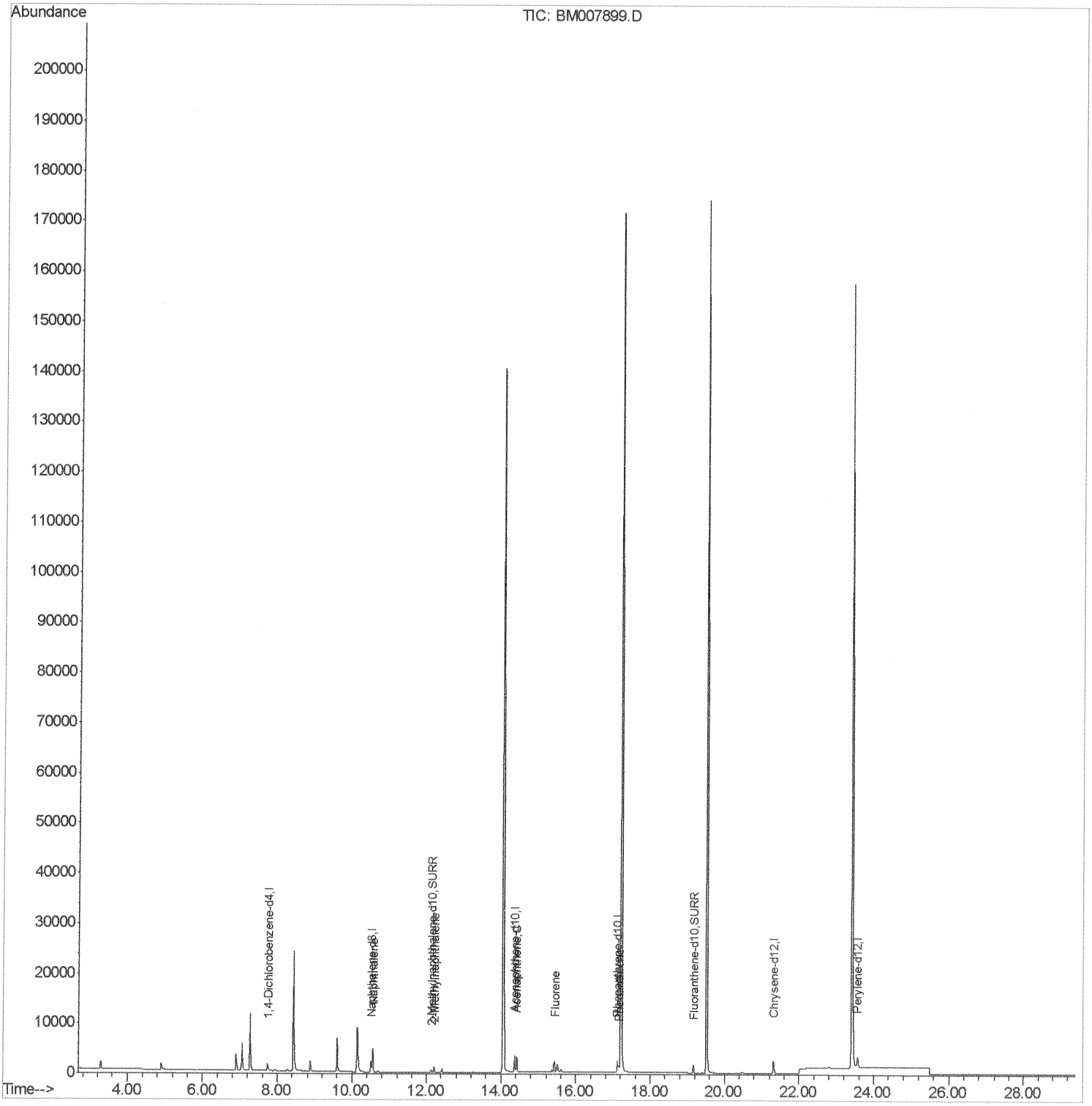
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:59:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



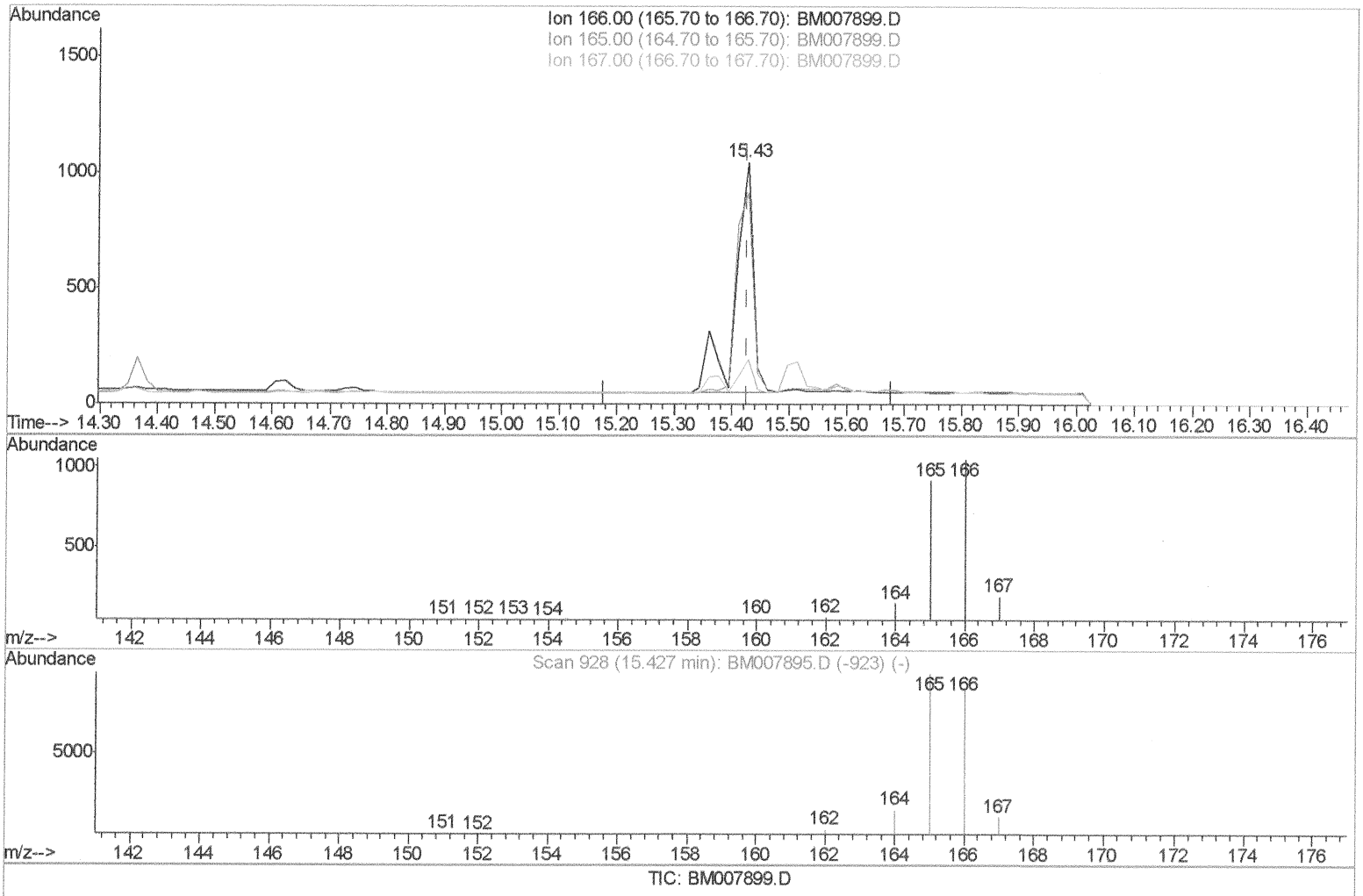
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:45:14 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(9) Fluorene

15.427min (-0.000) 0.33ng/ul

response 2232

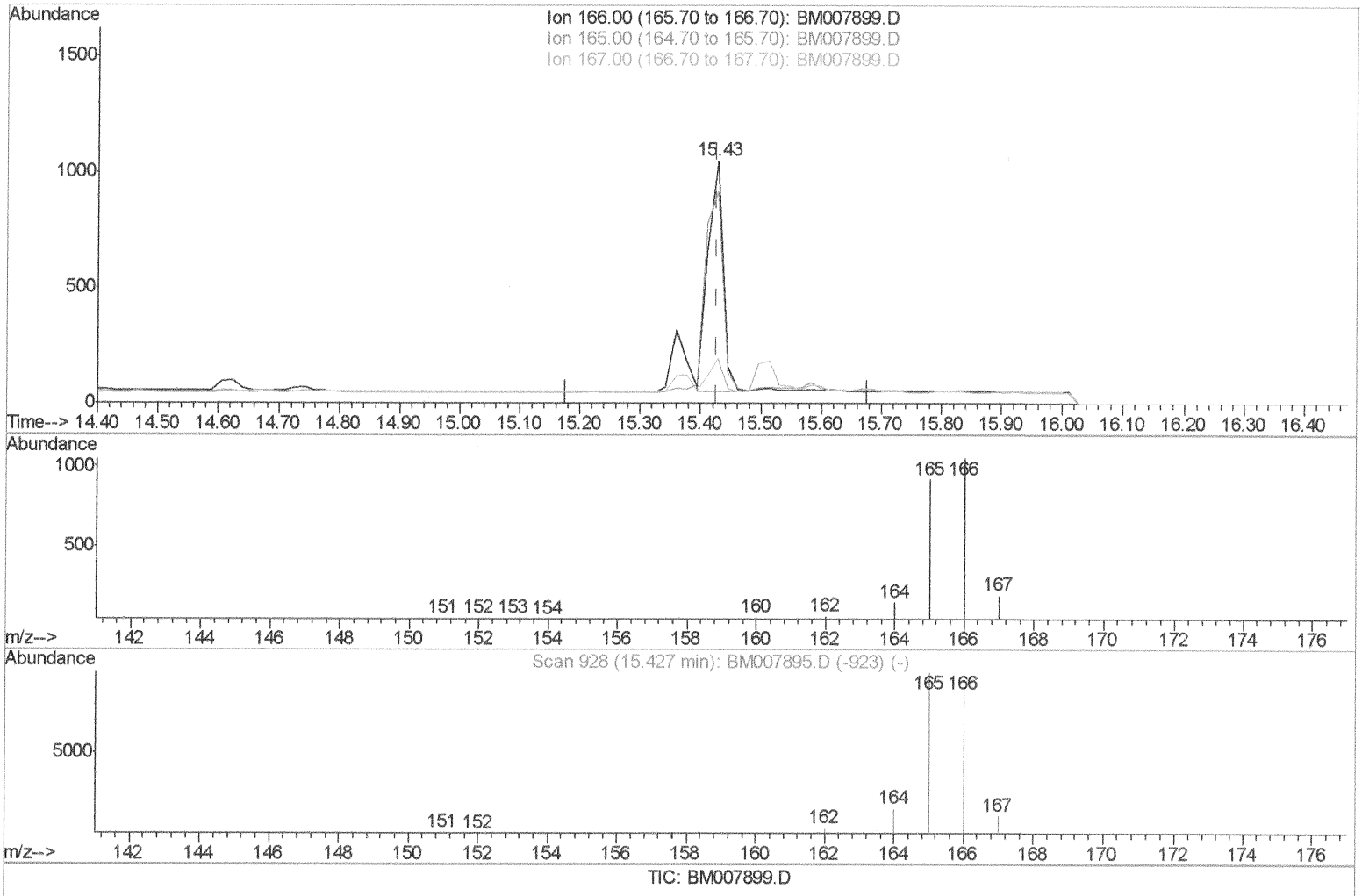
Ion	Exp%	Act%
166.00	100	100
165.00	91.80	87.76
167.00	18.30	18.64
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:45:14 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(9) Fluorene

15.427min (-0.000) 0.26ng/ul m SJ 11/16/16

response 1771

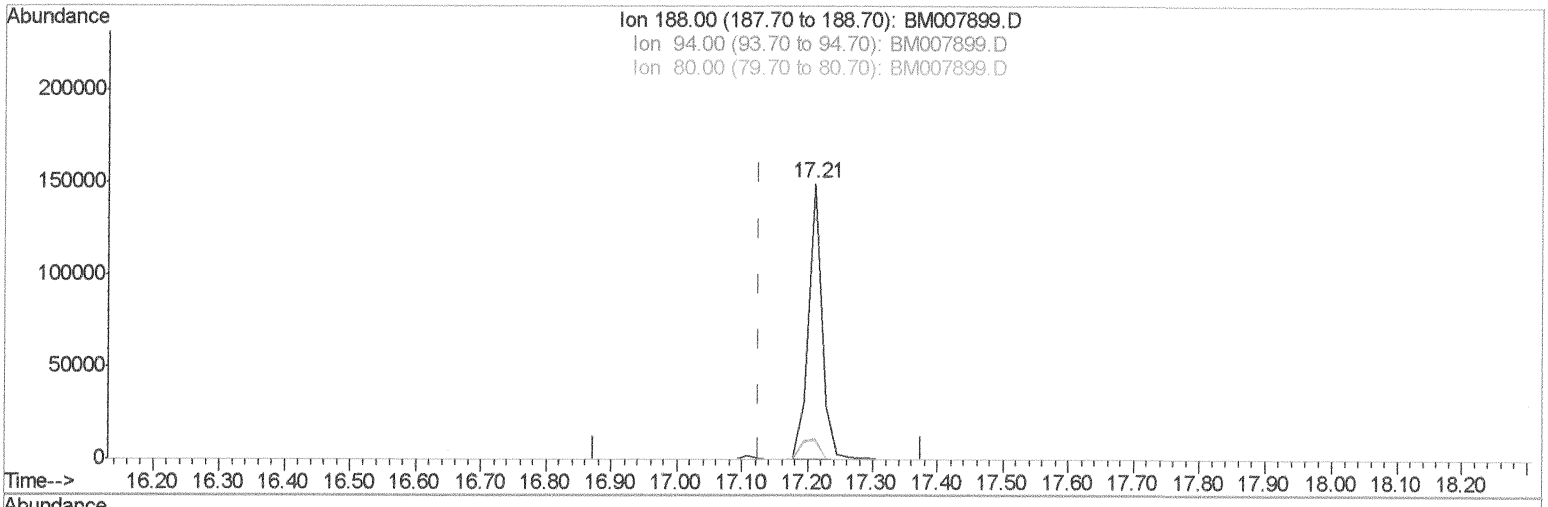
Ion	Exp%	Act%
166.00	100	100
165.00	91.80	87.76
167.00	18.30	18.64
0.00	0.00	0.00

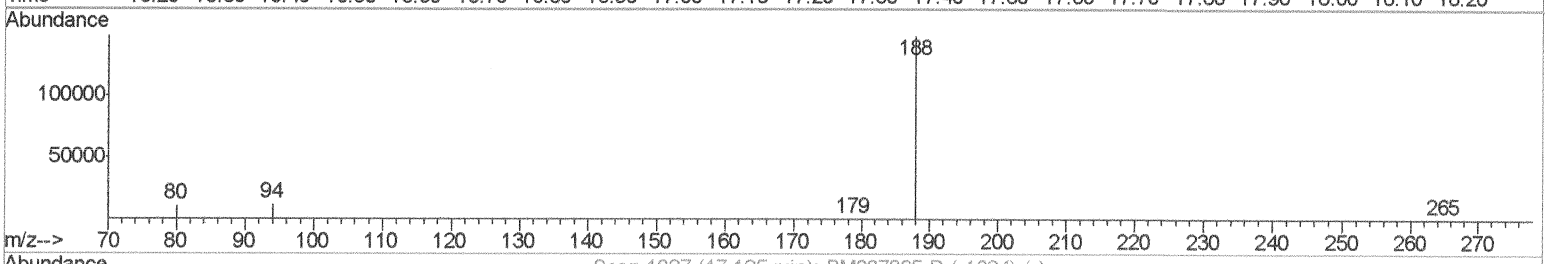
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

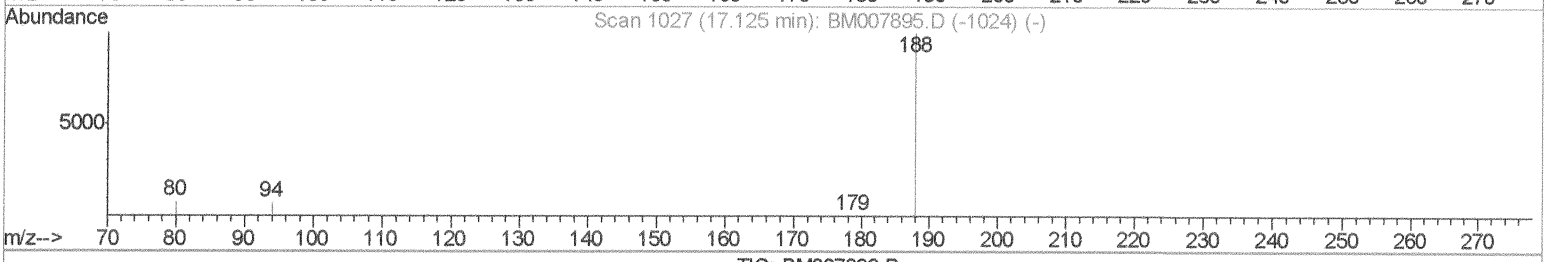
Quant Time: Nov 16 07:45:14 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM







TIC: BM007899.D

(10) Phenanthrene-d10 (I)

17.210min (+0.086) 0.40ng/ul

response 219333

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.88#
80.00	11.80	6.89#
0.00	0.00	0.00

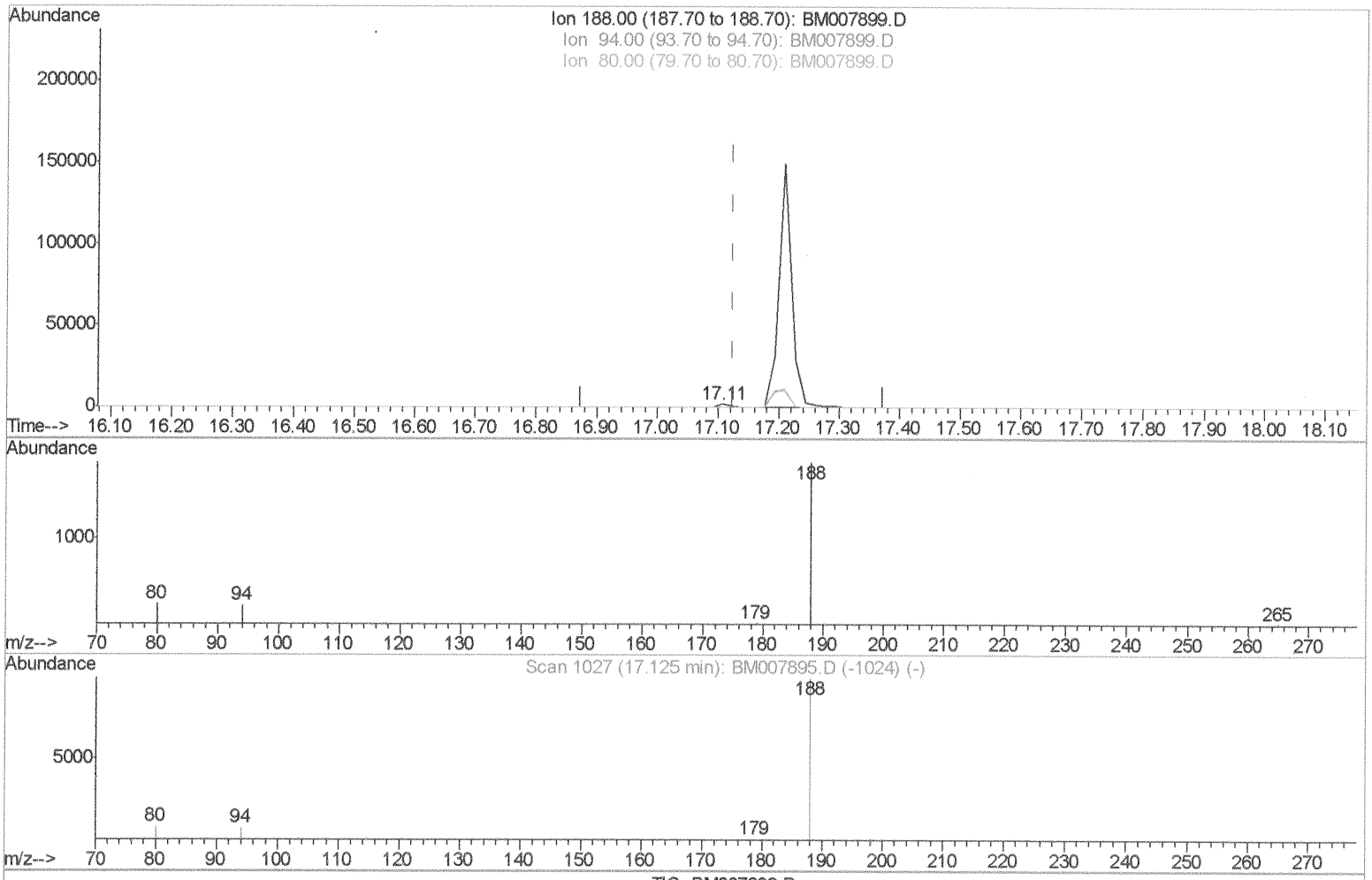
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:45:14 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(10) Phenanthrene-d10 (I)

17.108min (-0.017) 0.40ng/ul m 53 11/16/16

response 3048

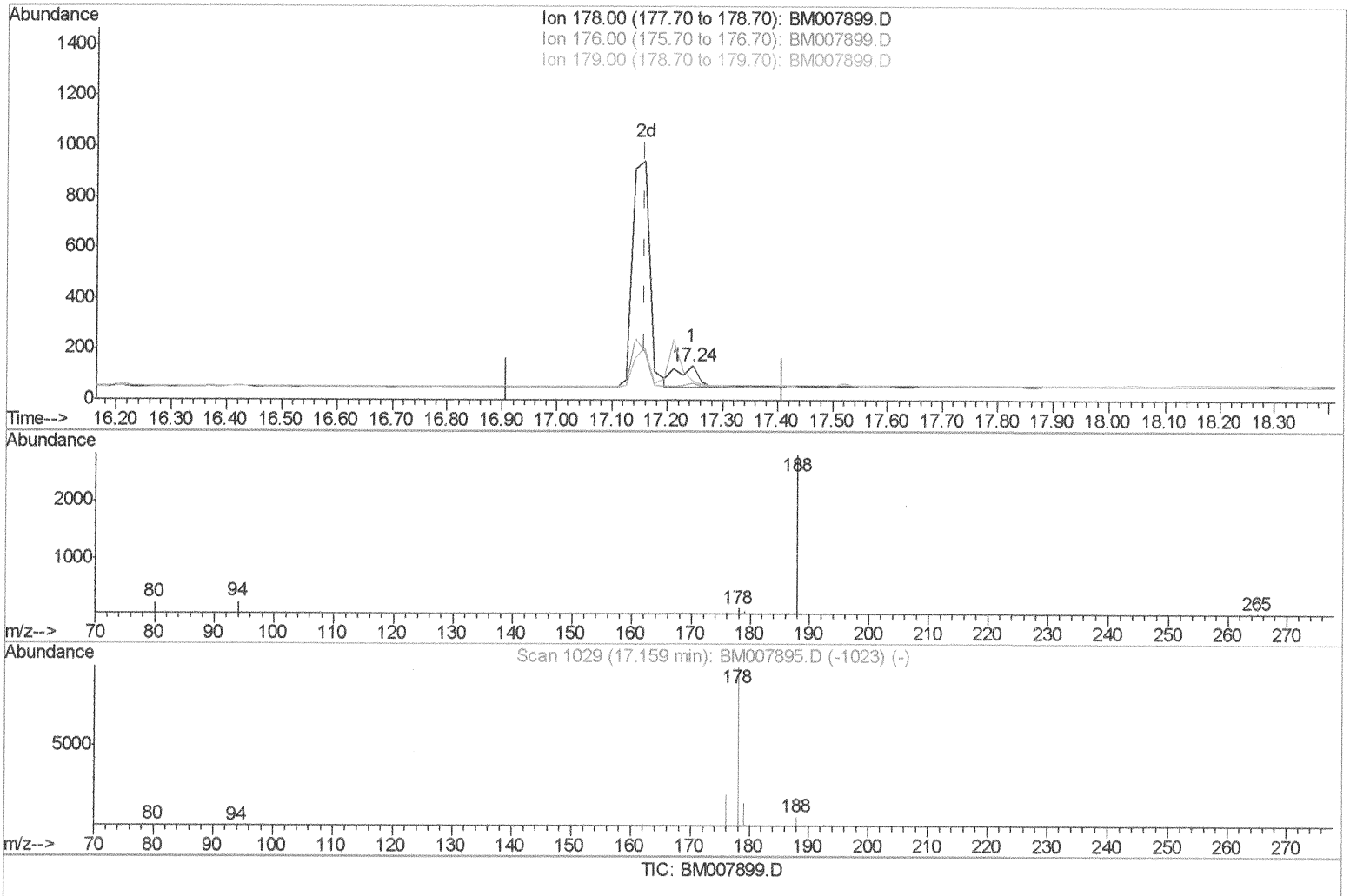
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.26#
80.00	11.80	14.46#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:54:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(12) Phenanthrene

17.245min (+0.086) 0.03ng/ul

response 242

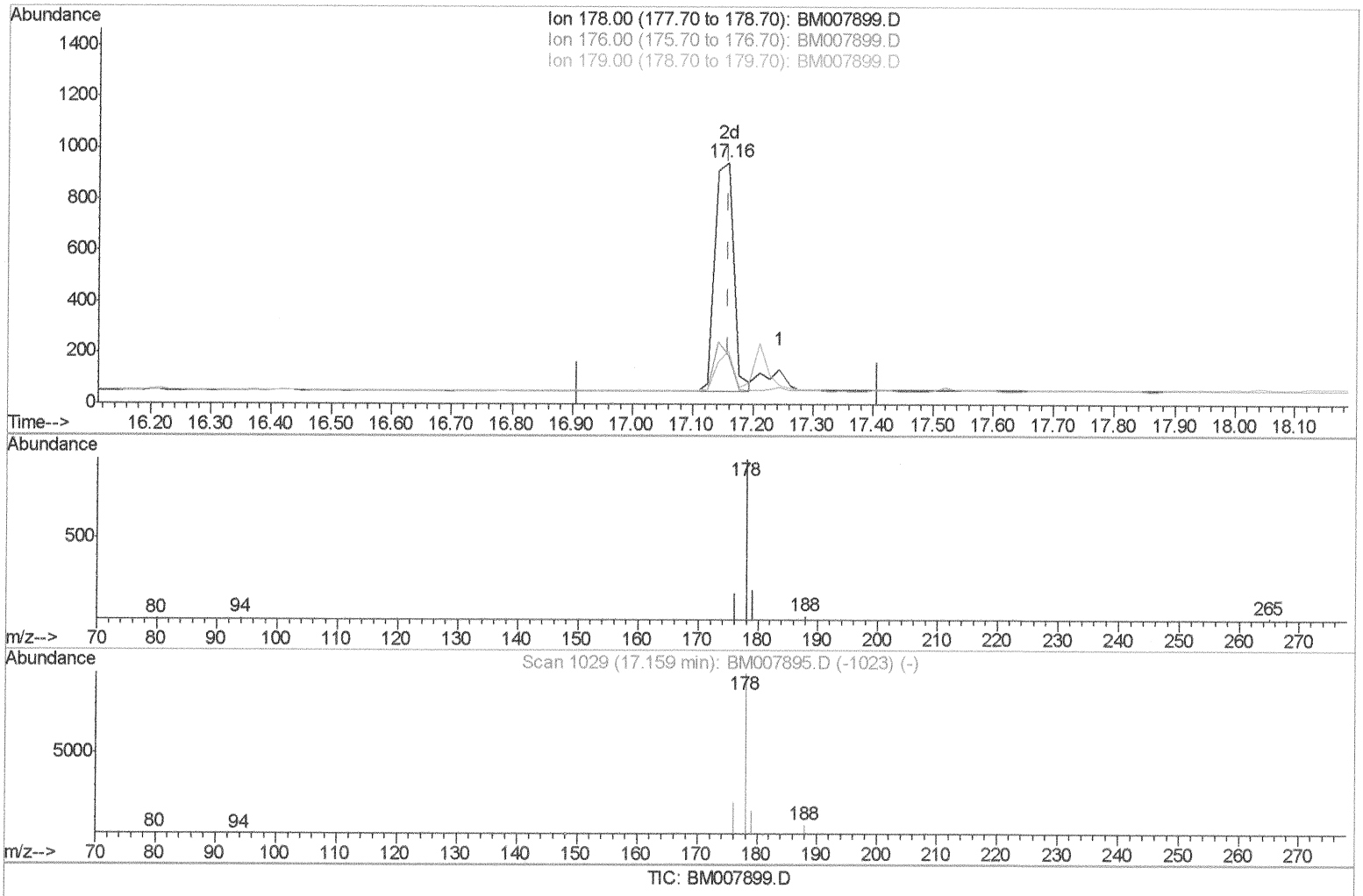
Ion	Exp%	Act%
178.00	100	100
176.00	23.00	49.64#
179.00	17.00	55.47#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:54:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(12) Phenanthrene

17.159min (-0.000) 0.23ng/ul m SJ 11/16/16

response 1939

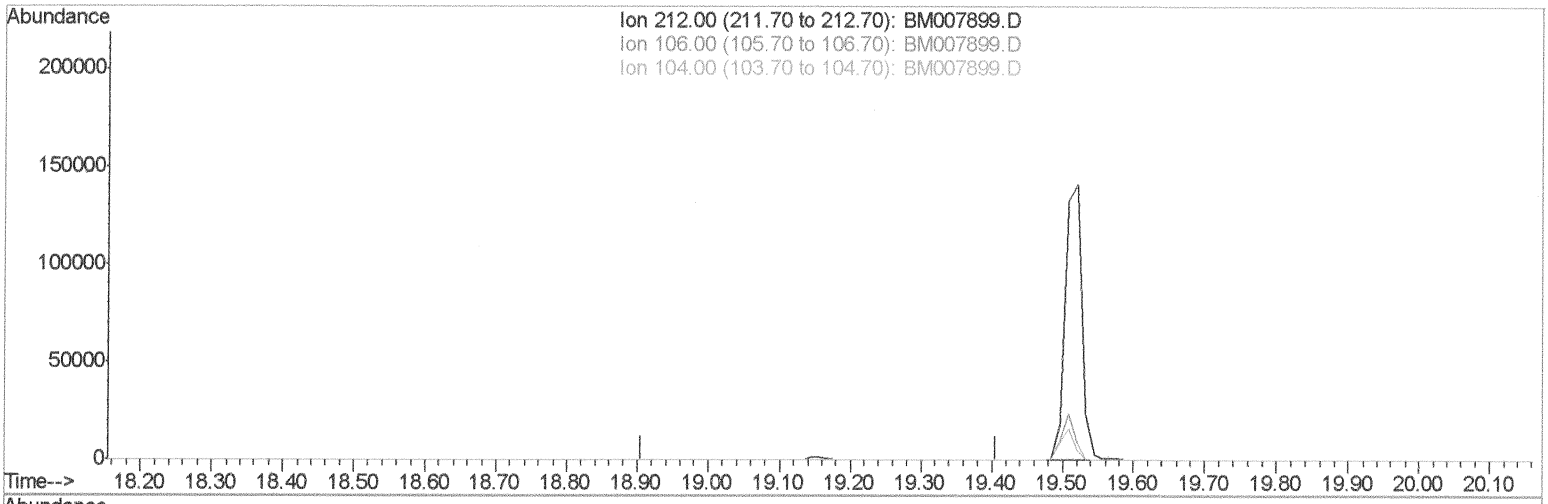
Ion	Exp%	Act%
178.00	100	100
176.00	23.00	20.66
179.00	17.00	22.35#
0.00	0.00	0.00

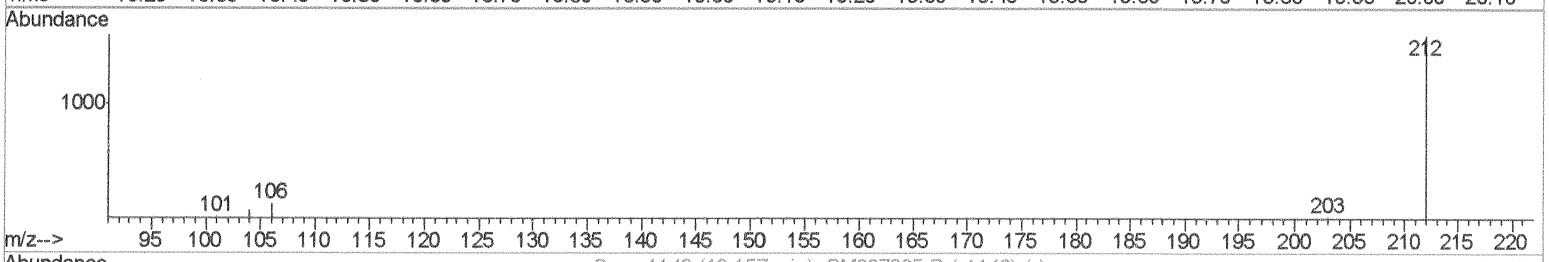
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

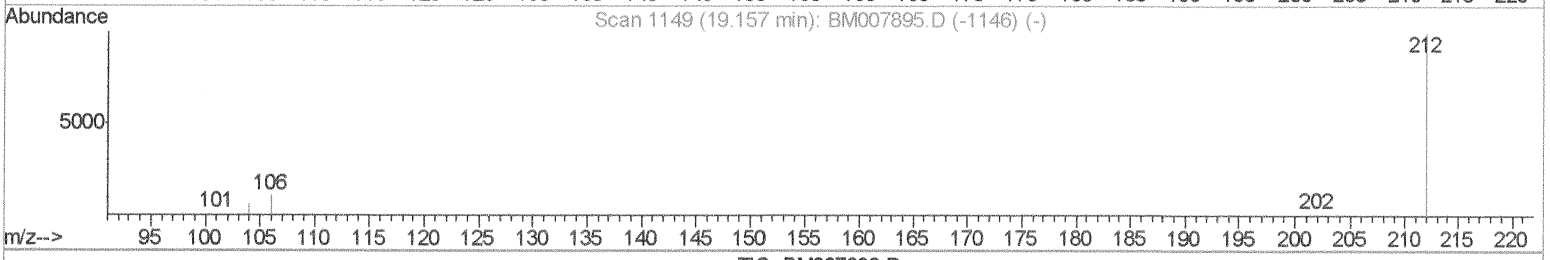
Quant Time: Nov 16 07:54:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM







TIC: BM007899.D

(14) Fluoranthene-d10 (SURR)

19.157min (-19.157) 0.00ng/ul

response 0

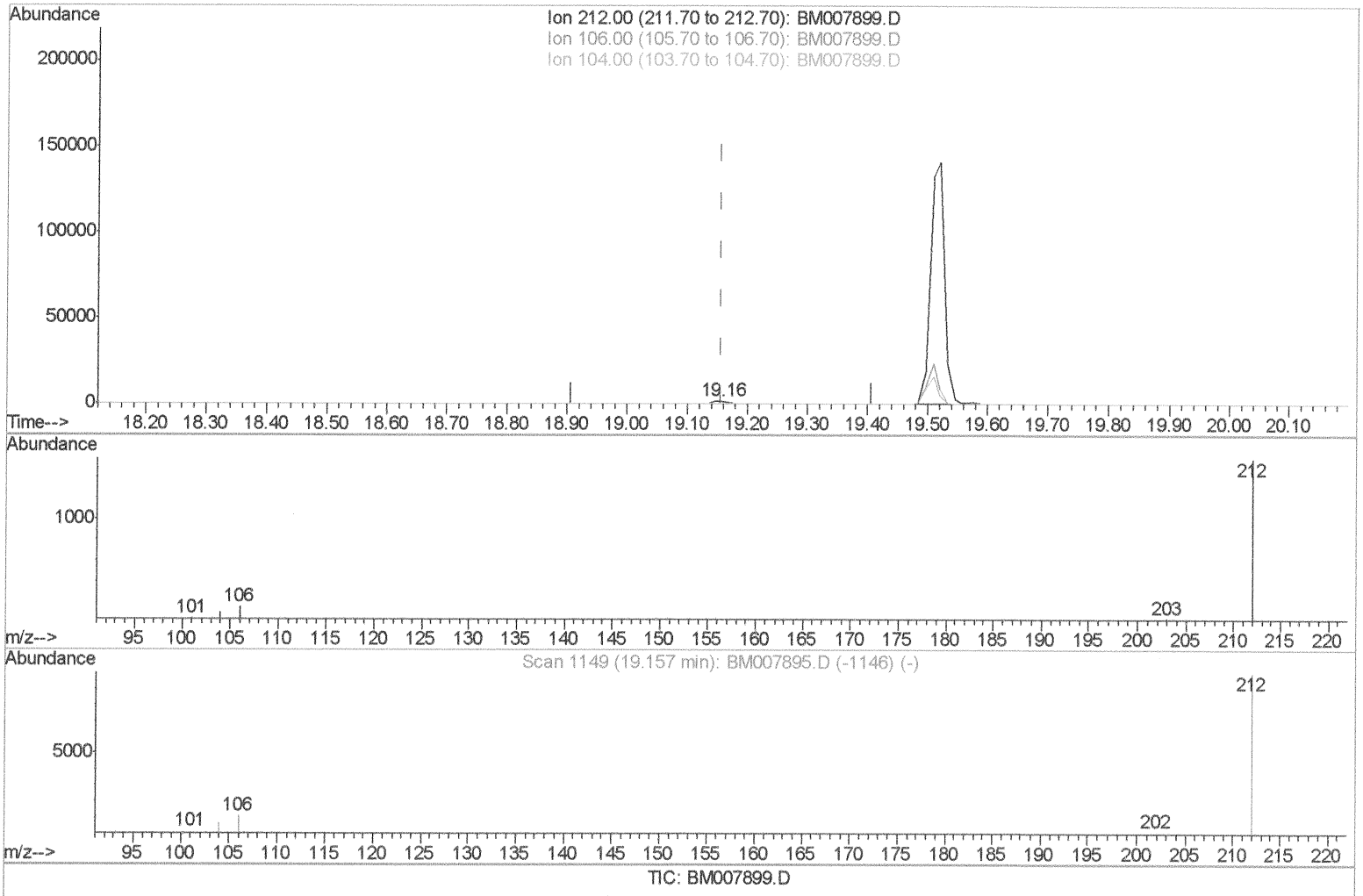
Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:54:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(14) Fluoranthene-d10 (SURR)

19.157min (-0.000) 0.36ng/ul m SJ 11/16/16

response 2507

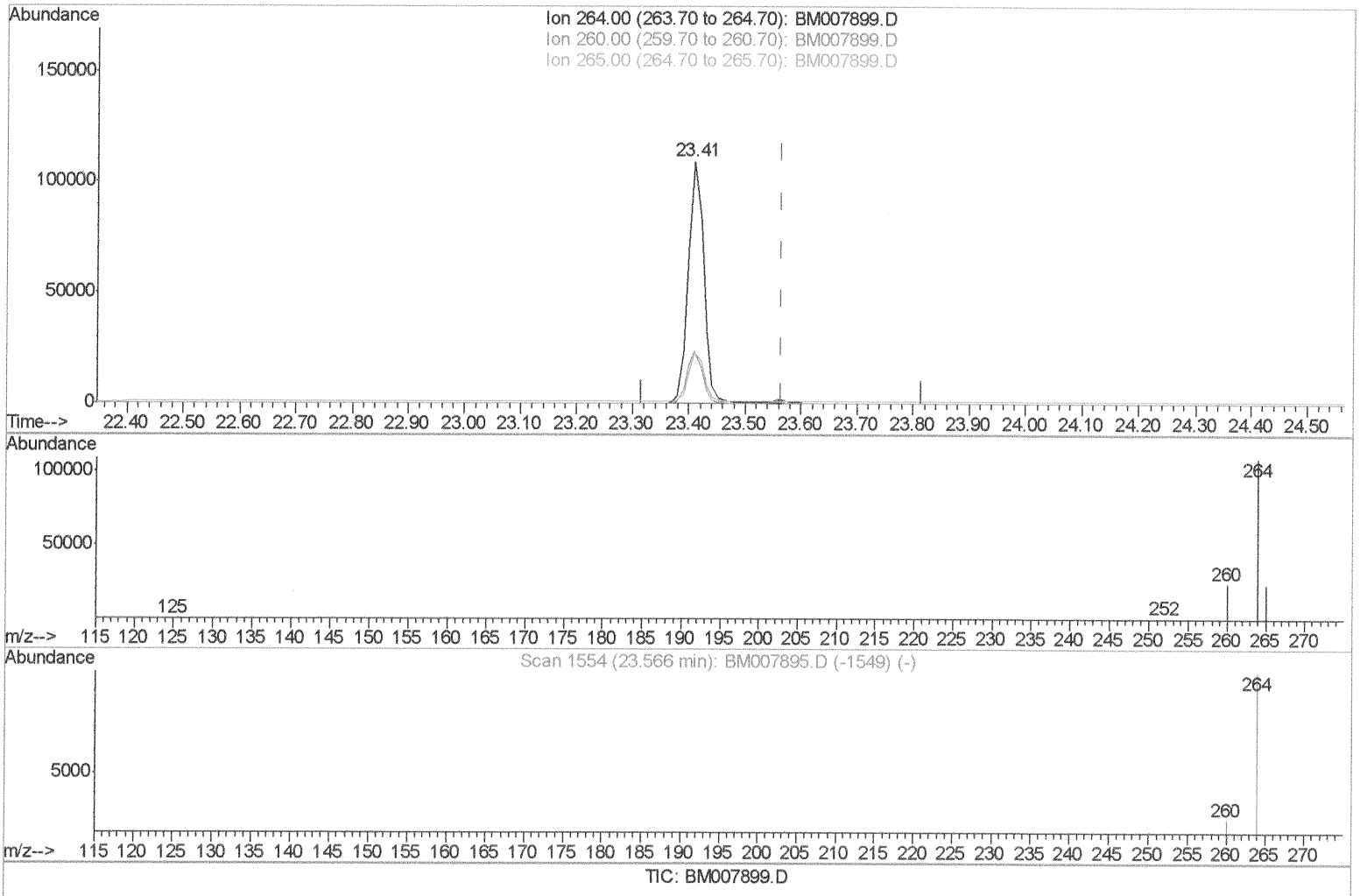
Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:54:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(20) Perylene-d12 (I)

23.410min (-0.156) 0.40ng/ul

response 210393

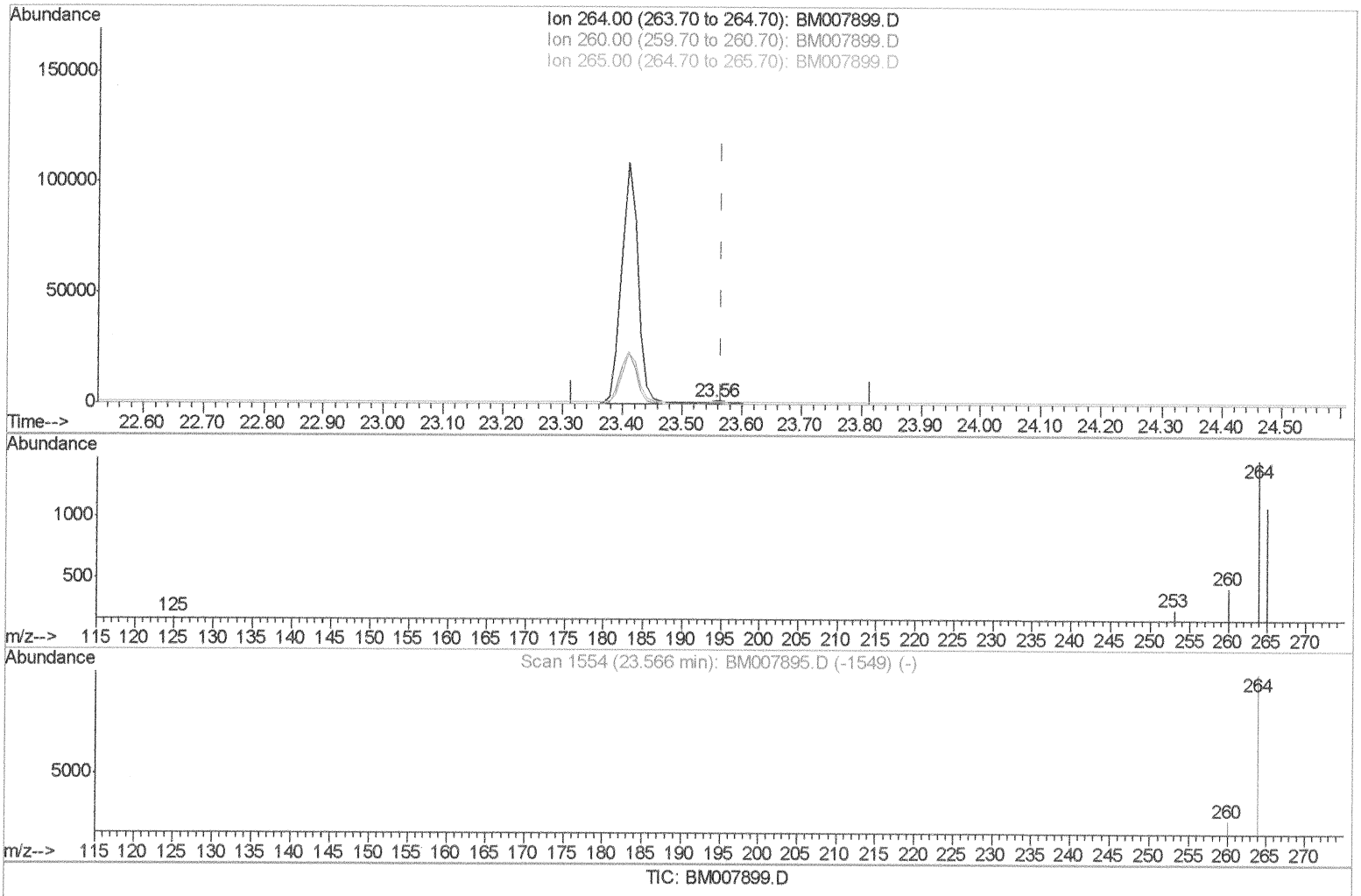
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.98#
265.00	103.50	21.41#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 16 07:54:50 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM



TIC: BM007899.D

(20) Perylene-d12 (I)

23.556min (-0.011) 0.40ng/ul m SJ 11/16/16

response 2511

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.12
265.00	103.50	73.79#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007899.D
Acq On : 15 Nov 2016 18:58
Operator : UM/SJ
Sample : H5612-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H02

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:46 PM

Quant Time: Nov 16 07:59:01 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	917	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	2932	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.37	164	1721	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	3048m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.32	240	3173	0.40	ng/ul	0.01
20) Perylene-d12	23.56	264	2511m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1207	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	2507m	0.36	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.56	128	6848	0.91	ng/ul	95
5) 2-Methylnaphthalene	12.19	142	1182	0.25	ng/ul	99
8) Acenaphthene	14.42	153	2120	0.34	ng/ul	90
9) Fluorene	15.43	166	1771m	0.26	ng/ul	
12) Phenanthrene	17.16	178	1939m	0.23	ng/ul	

SJ 11/16/16

SJ 11/16/16

SJ 11/16/16

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