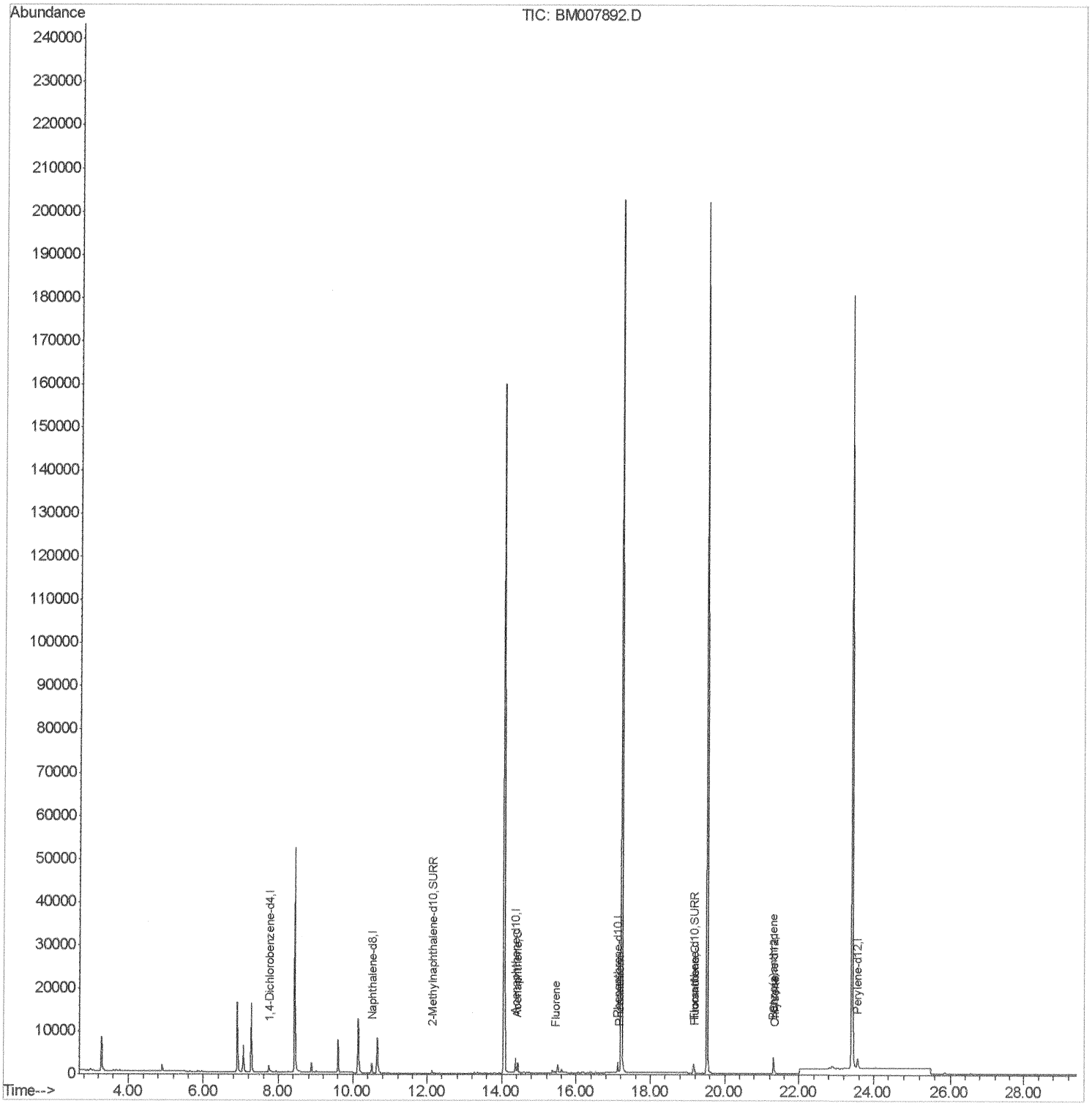
Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 07:35:42 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM

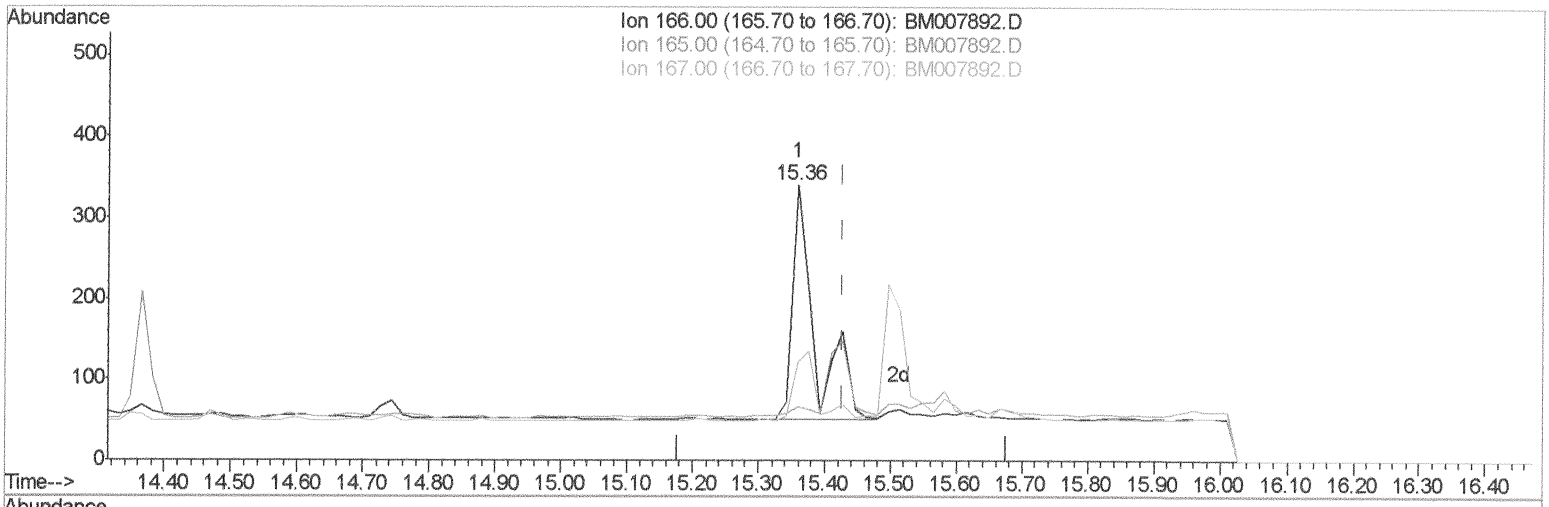


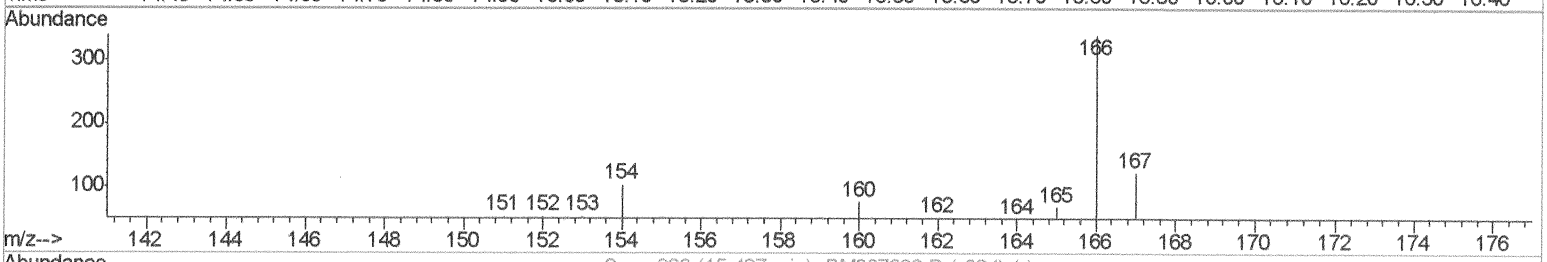
Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

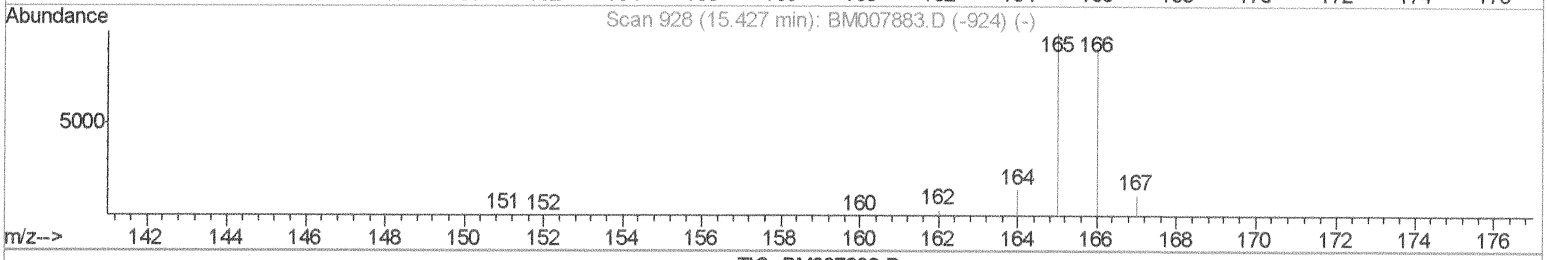
Quant Time: Nov 16 01:22:47 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM







TIC: BM007892.D

(9) Fluorene

15.359min (-0.068) 0.09ng/ul

response 695

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	19.71#
167.00	18.30	35.88#
0.00	0.00	0.00

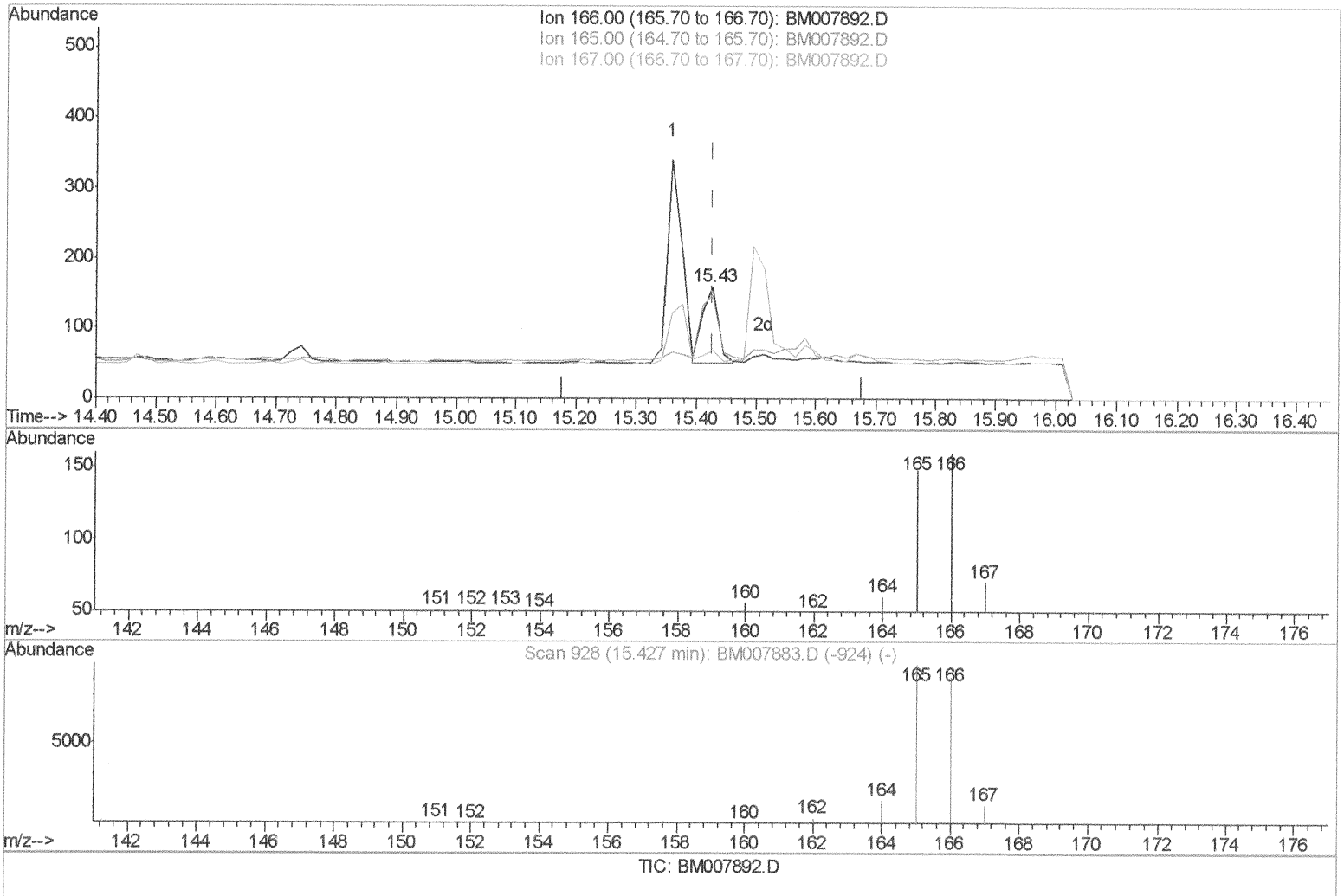
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 01:22:47 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



TIC: BM007892.D

(9) Fluorene

15.428min (+0.000) 0.03ng/ul m SJ 11/16/16

response 201

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	92.50
167.00	18.30	43.75#
0.00	0.00	0.00

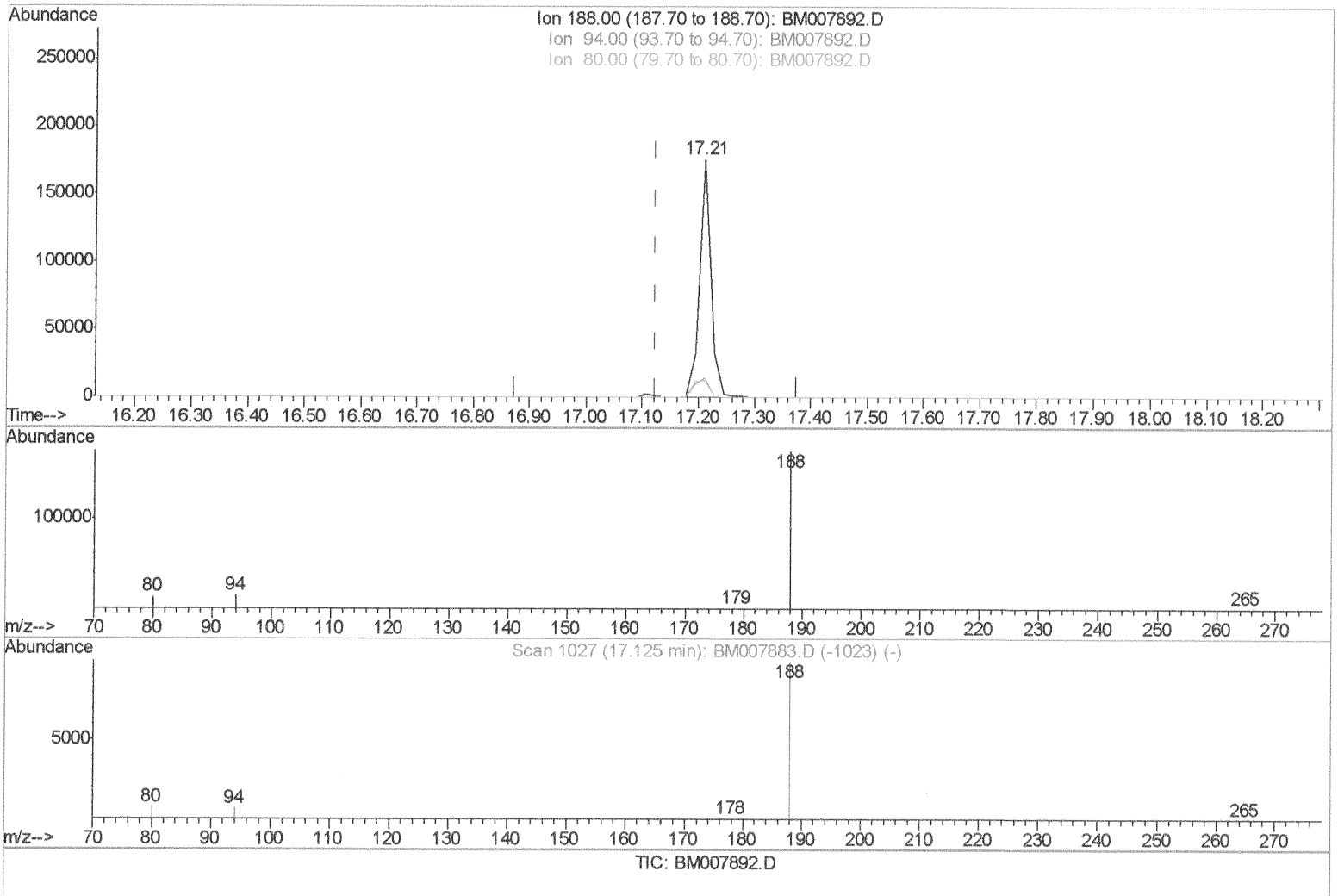
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 01:22:47 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



TIC: BM007892.D

(10) Phenanthrene-d10 (I)

17.211min (+0.086) 0.40ng/ul

response 250434

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.08#
80.00	11.80	7.07#
0.00	0.00	0.00

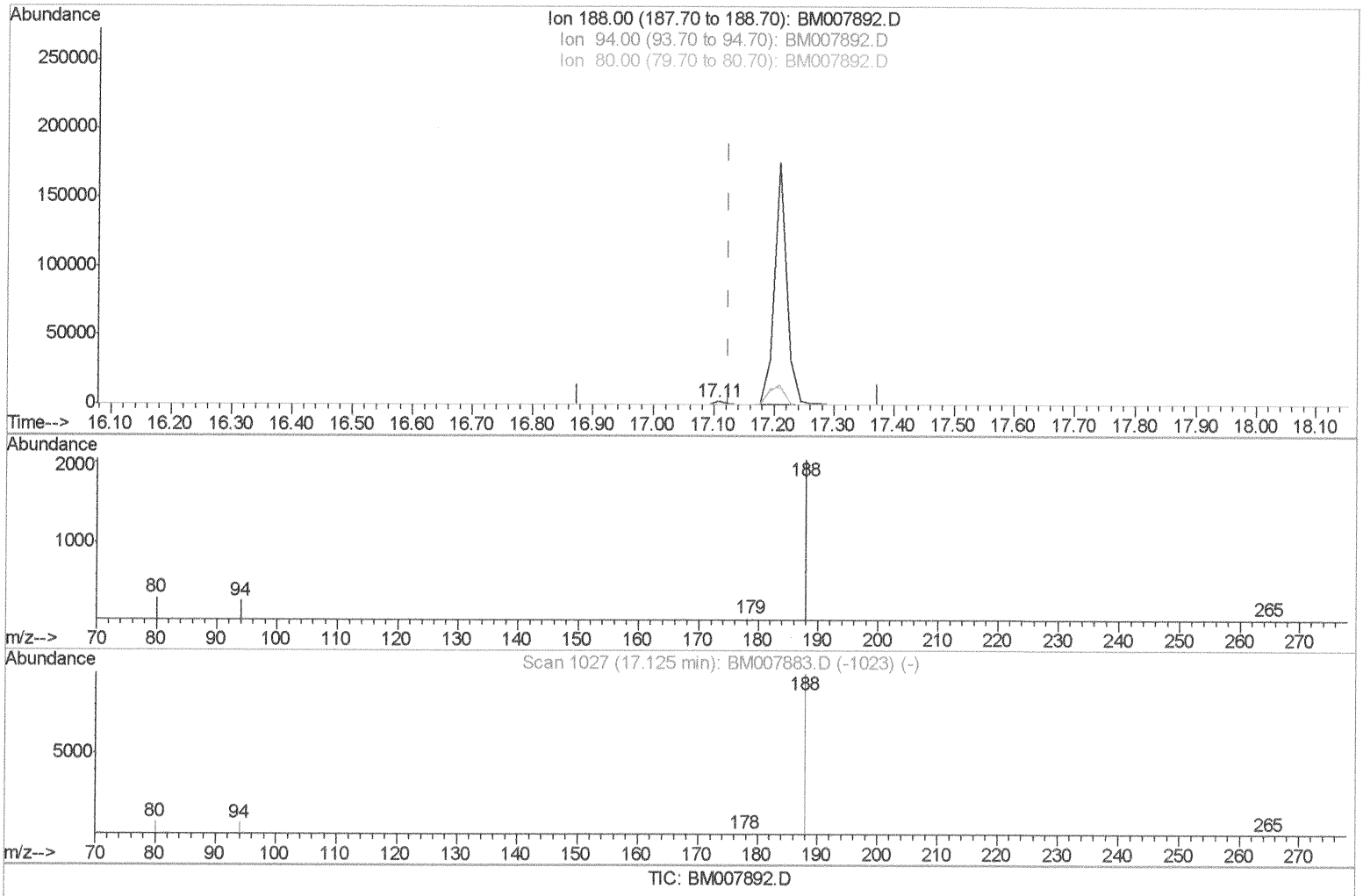
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 01:22:47 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



TIC: BM007892.D

(10) Phenanthrene-d10 (I)

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

response 3518

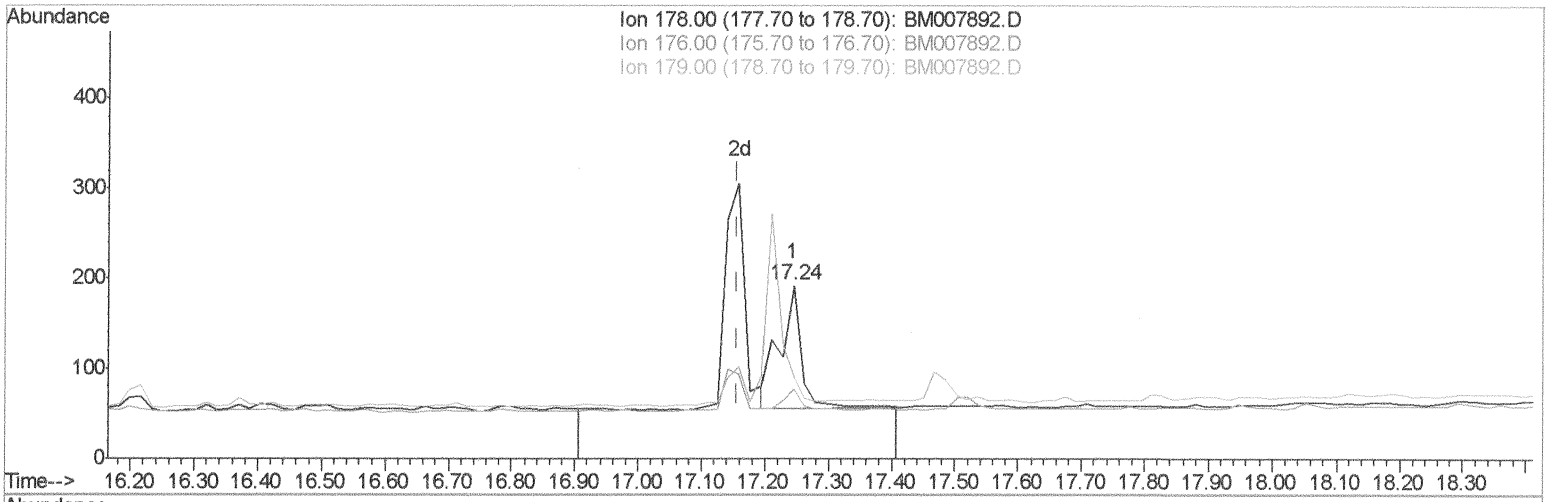
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.55#
80.00	11.80	15.21#
0.00	0.00	0.00

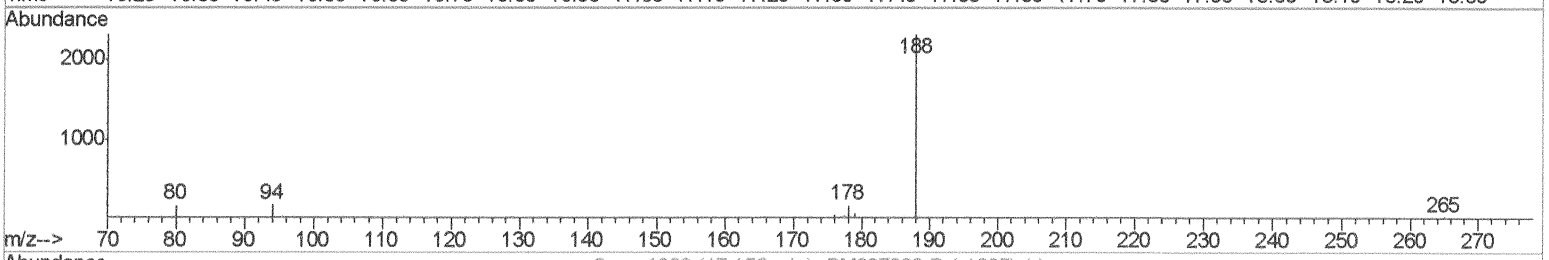
Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

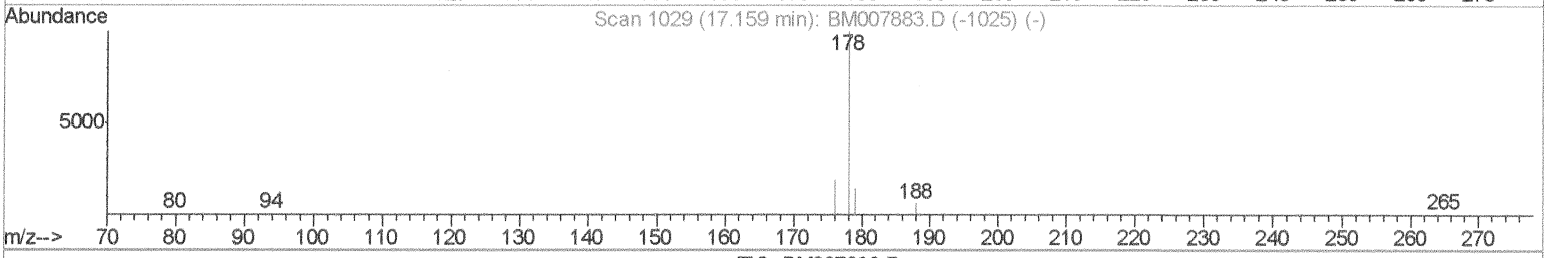
Quant Time: Nov 16 07:32:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM







TIC: BM007892.D

(12) Phenanthrene

17.245min (+0.086) 0.03ng/ul

response 334

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	40.63#
179.00	17.00	46.88#
0.00	0.00	0.00

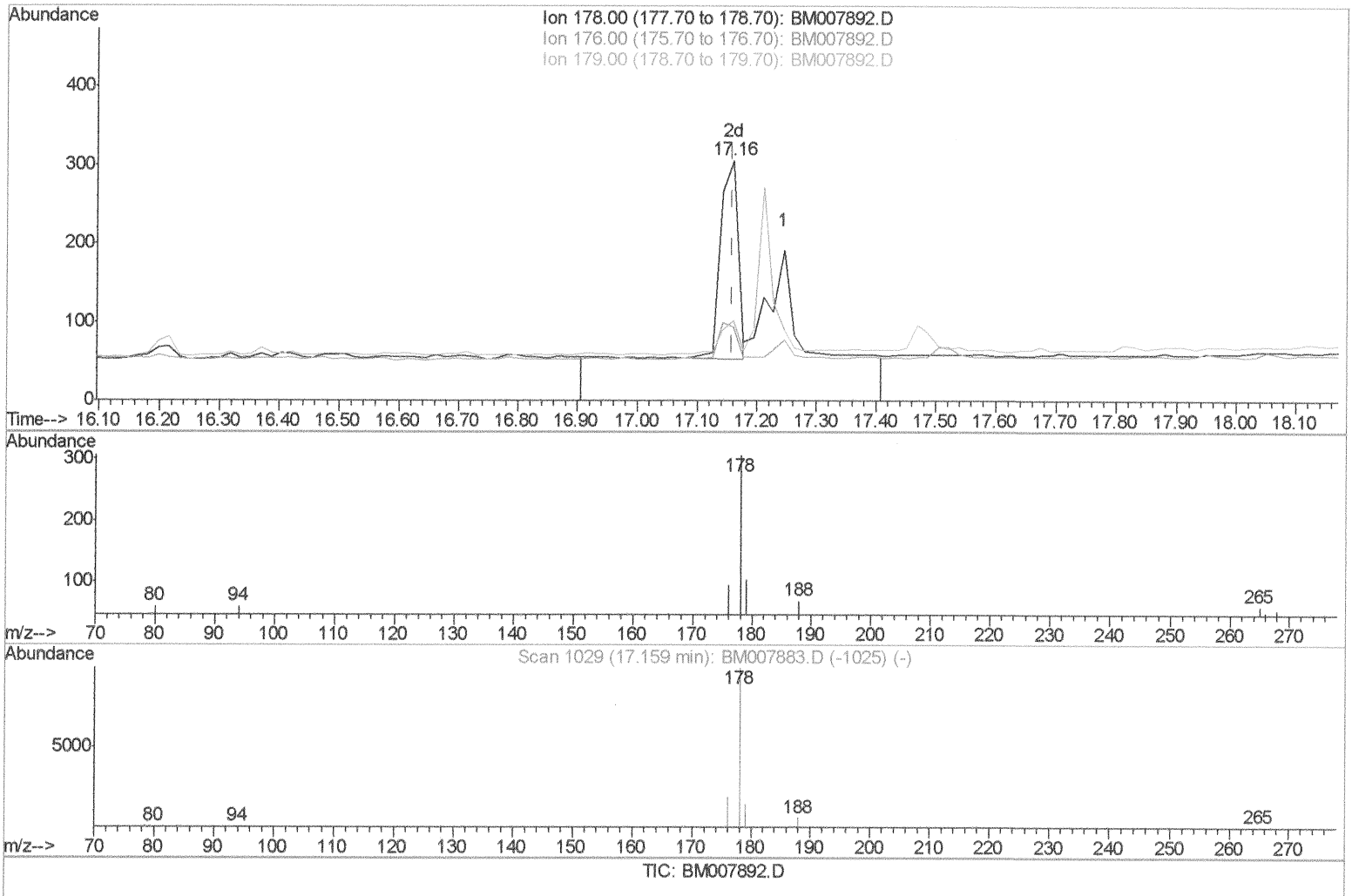
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 07:32:18 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



(12) Phenanthrene

17.159min (+0.000) 0.05ng/ul m SJ 11/11/16

response 517

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	31.05#
179.00	17.00	33.66#
0.00	0.00	0.00

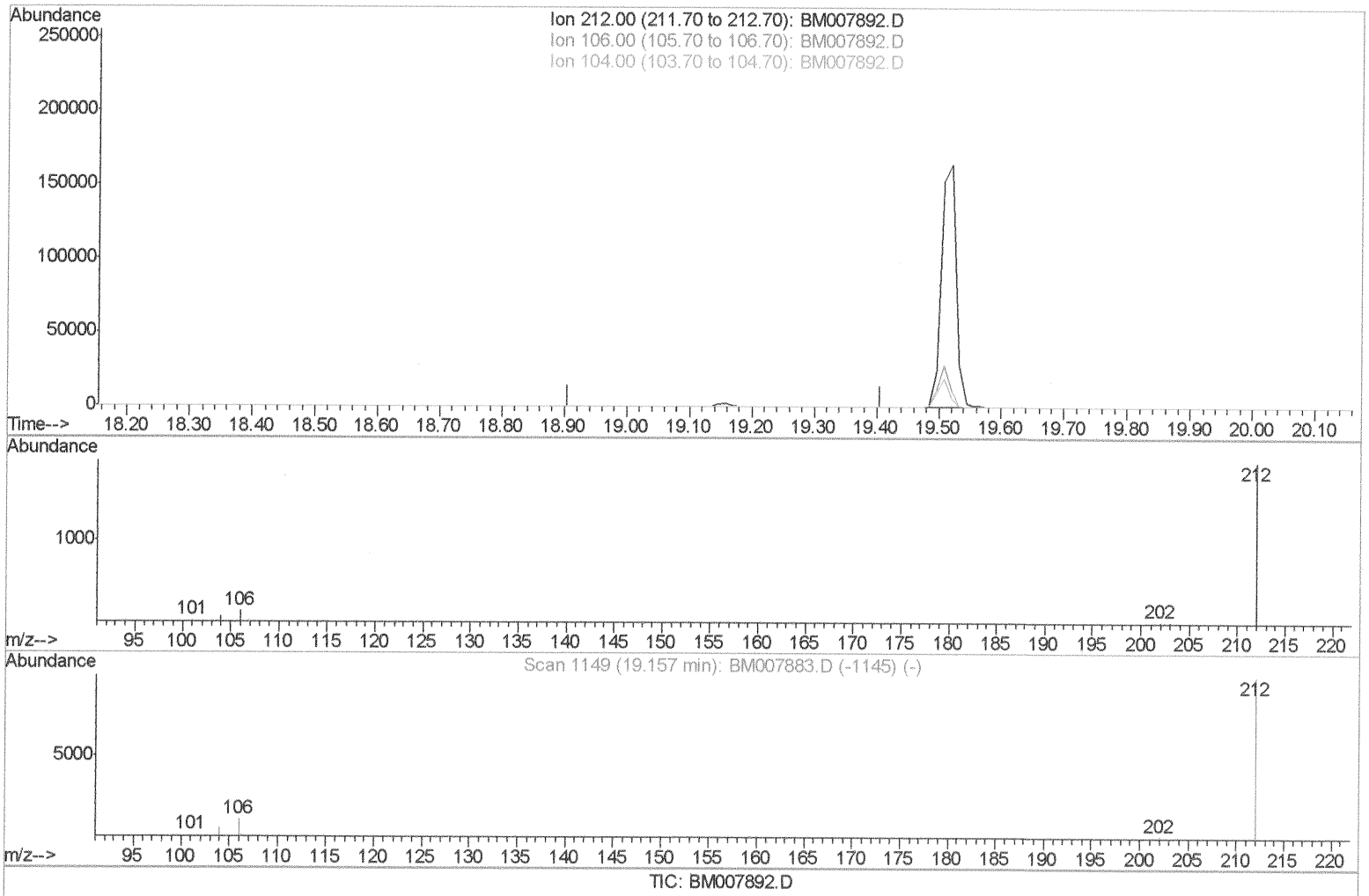
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 07:32:18 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



TIC: BM007892.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

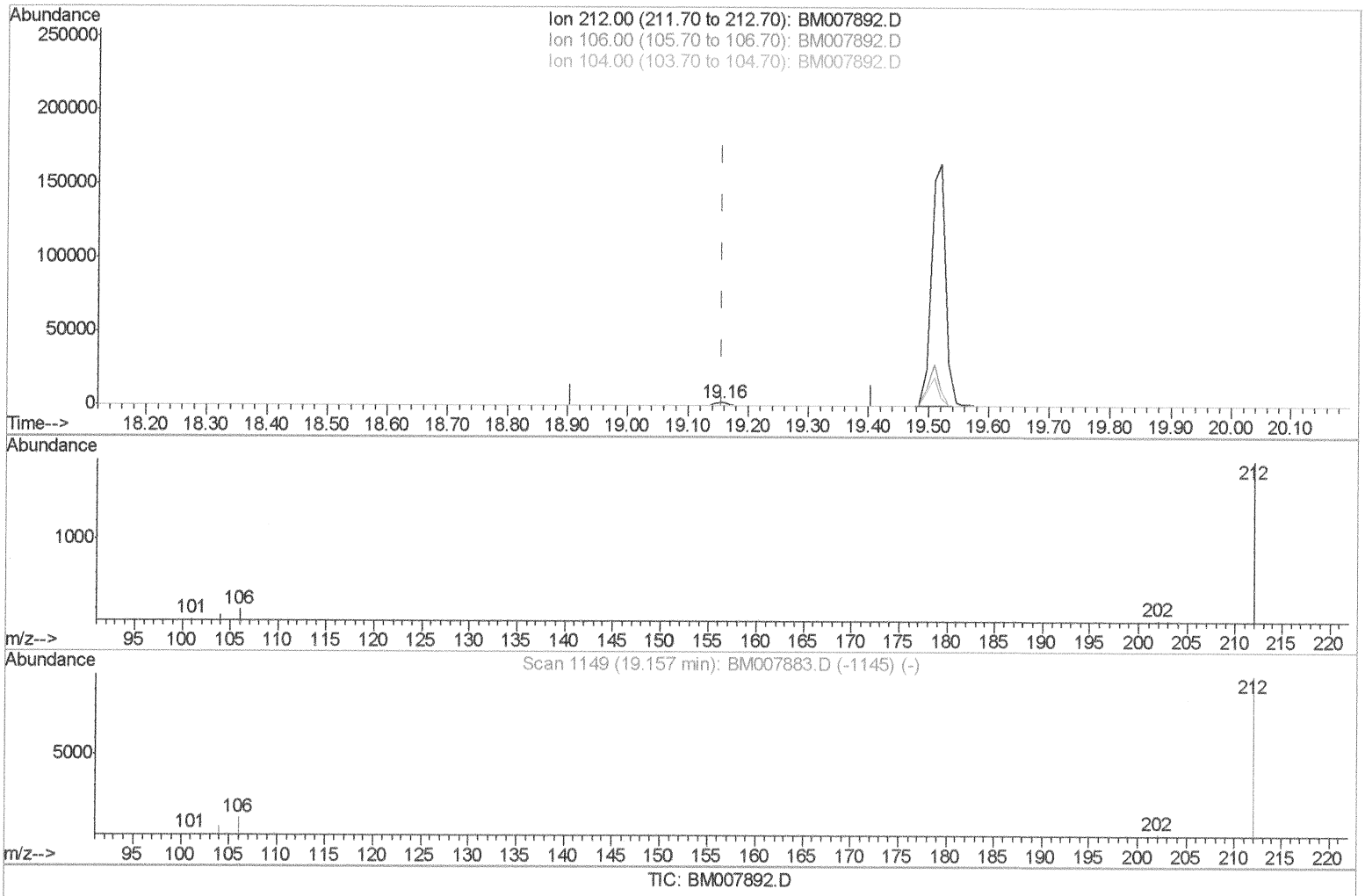
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 07:32:18 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



TIC: BM007892.D

(14) Fluoranthene-d10 (SURR)

19.157min (+0.000) 0.38ng/ul m SJ 11/16/16

response 3034

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

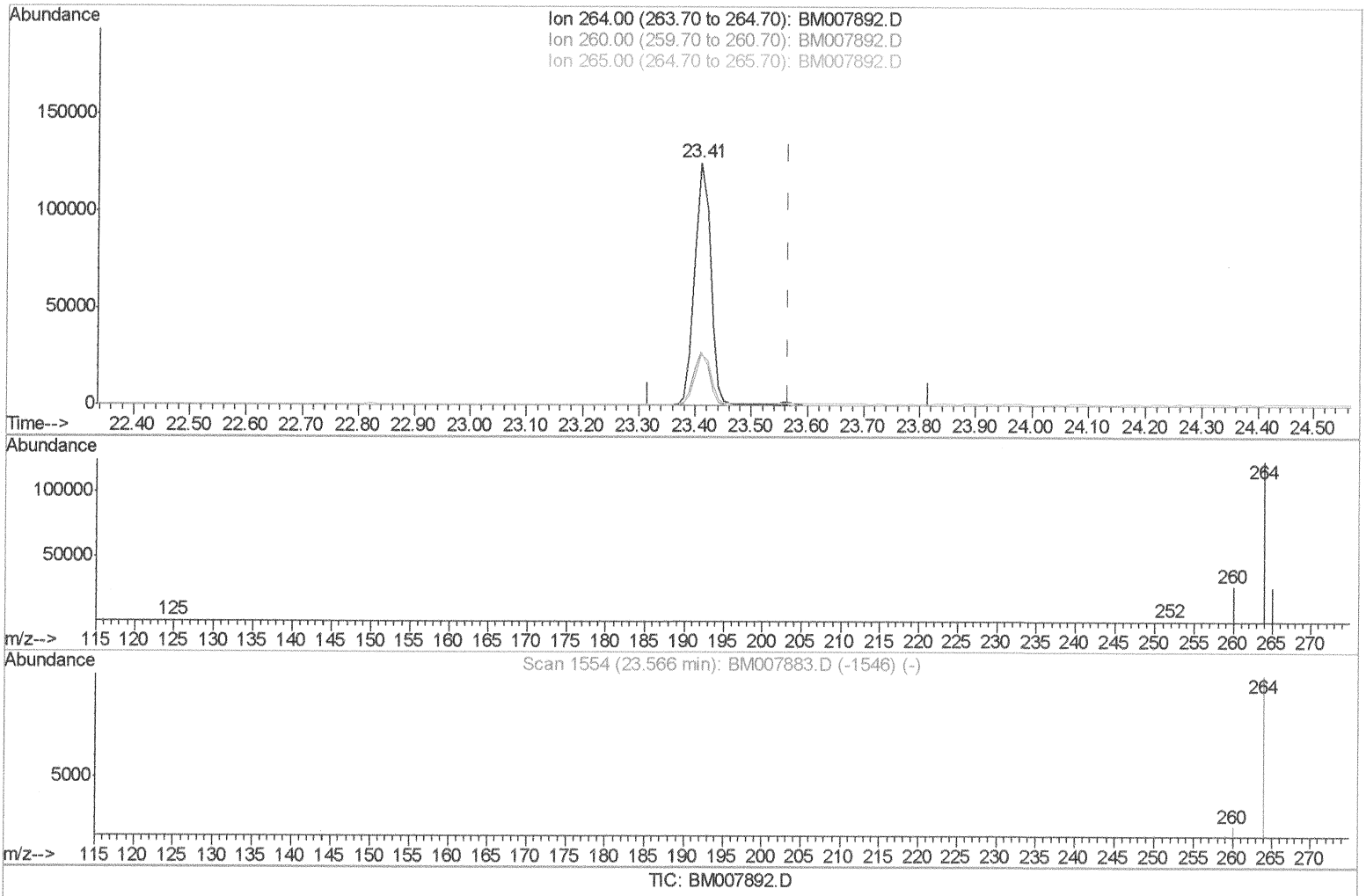
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 07:32:18 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 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM



TIC: BM007892.D

(20) Perylene-d12 (I)

23.410min (-0.156) 0.40ng/ul

response 246334

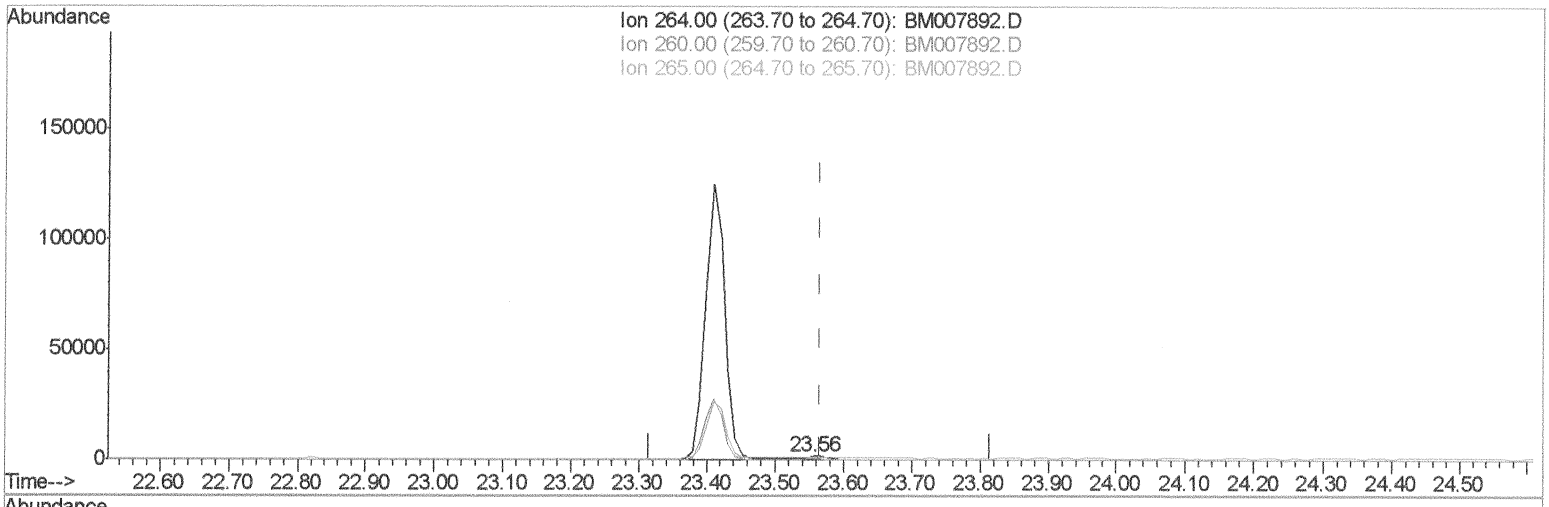
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	22.07#
265.00	103.50	21.37#
0.00	0.00	0.00

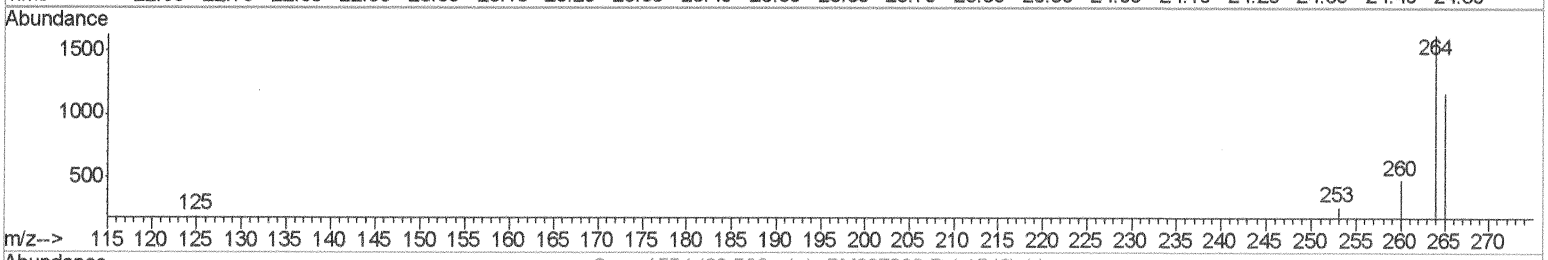
Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

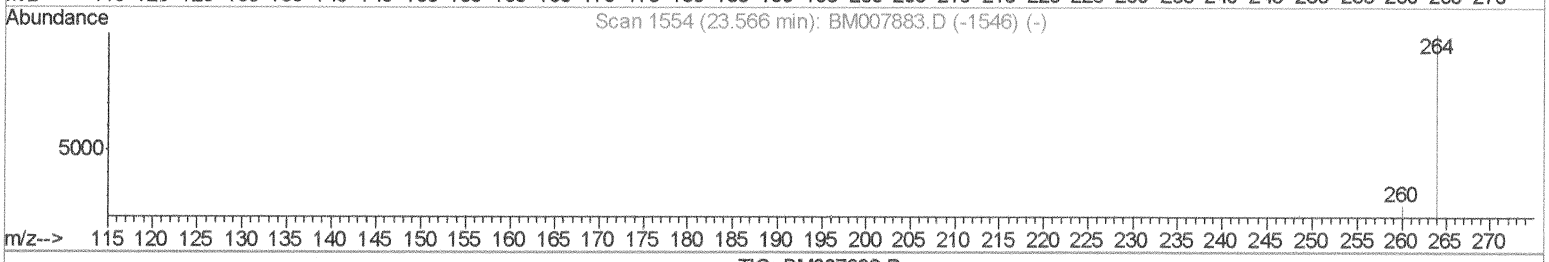
Quant Time: Nov 16 07:32:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 01:19:46 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM







TIC: BM007892.D

(20) Perylene-d12 (I)

23.556min (-0.010) 0.40ng/ul m SJ 11/16/16

response 2899

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.42
265.00	103.50	71.68#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM111516\
Data File : BM007892.D
Acq On : 15 Nov 2016 14:50
Operator : UM/SJ
Sample : H5612-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 16 07:35:42 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 01:19:46 2016
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : F2H12

Manual Integrations APPROVED
Umangi
11/16/2016 6:01:15 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	937	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	3108	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.37	164	1847	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	3518m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.31	240	3685	0.40	ng/ul	0.00
20) Perylene-d12	23.56	264	2899m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1418	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	3034m	0.38	ng/ul	0.00
Target Compounds						Qvalue
8) Acenaphthene	14.42	153	1710	0.26	ng/ul	90
9) Fluorene	15.43	166	201m	0.03	ng/ul	
12) Phenanthrene	17.16	178	517m	0.05	ng/ul	
15) Fluoranthene	19.18	202	756	0.06	ng/ul	84
18) Benzo(a)anthracene	21.30	228	533	0.05	ng/ul#	76
19) Chrysene	21.35	228	582	0.05	ng/ul#	81

SJ 11/16/16

SJ 11/16/16

SJ 11/16/16

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