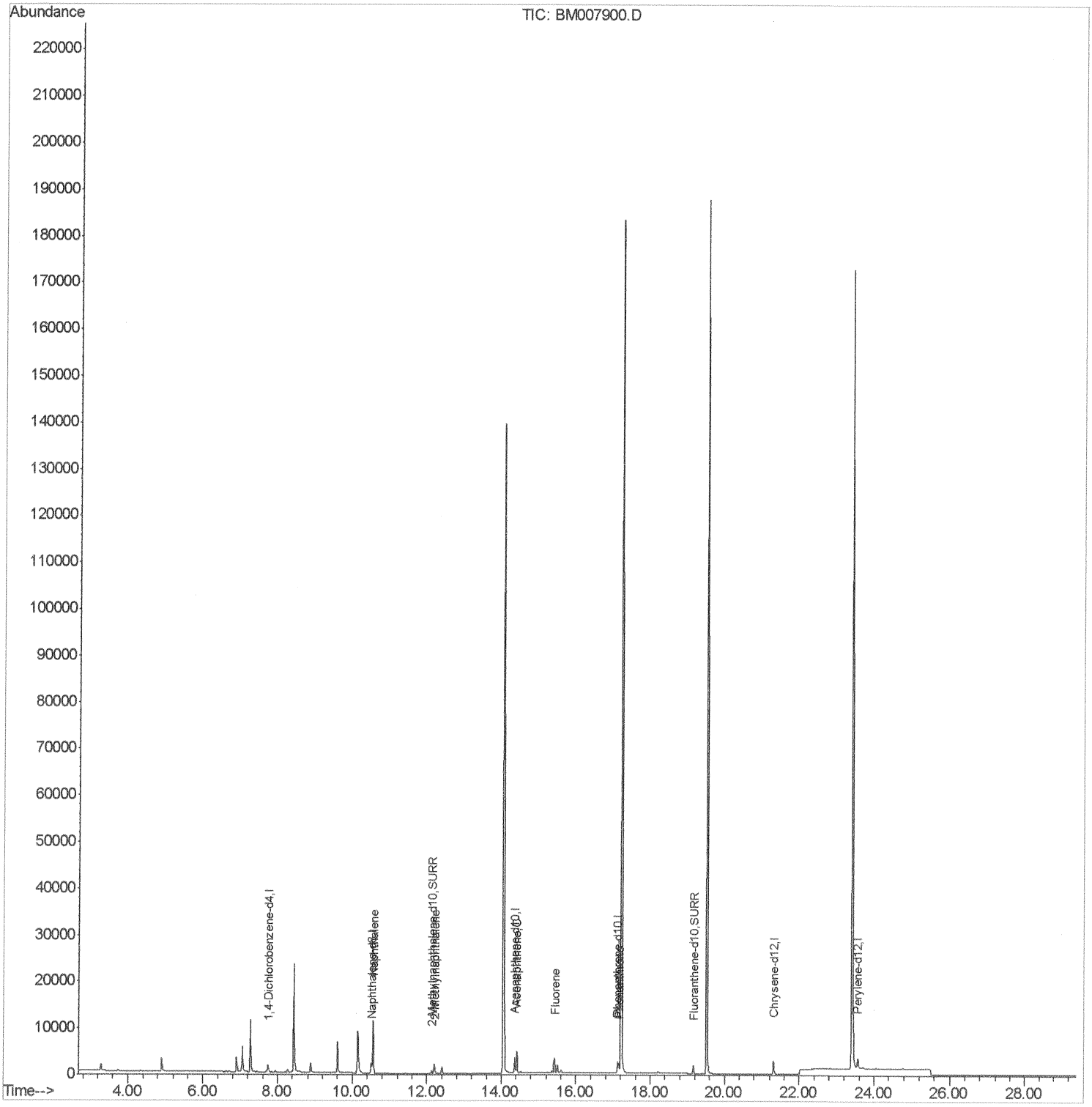
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 08:01:48 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM

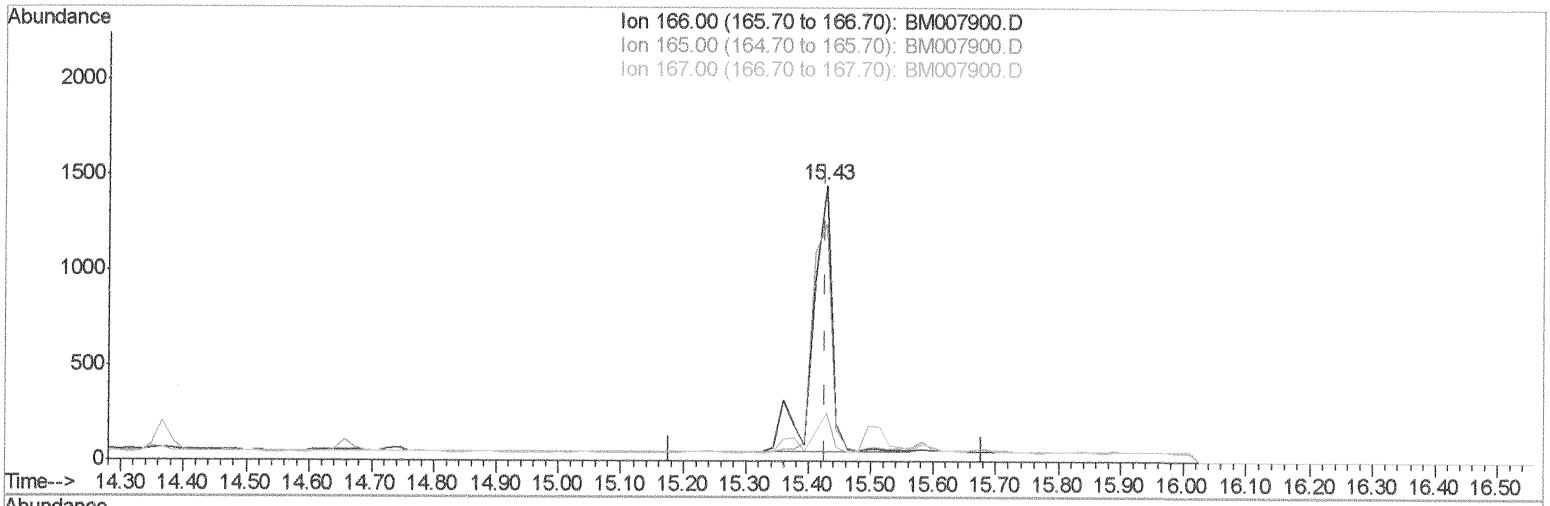


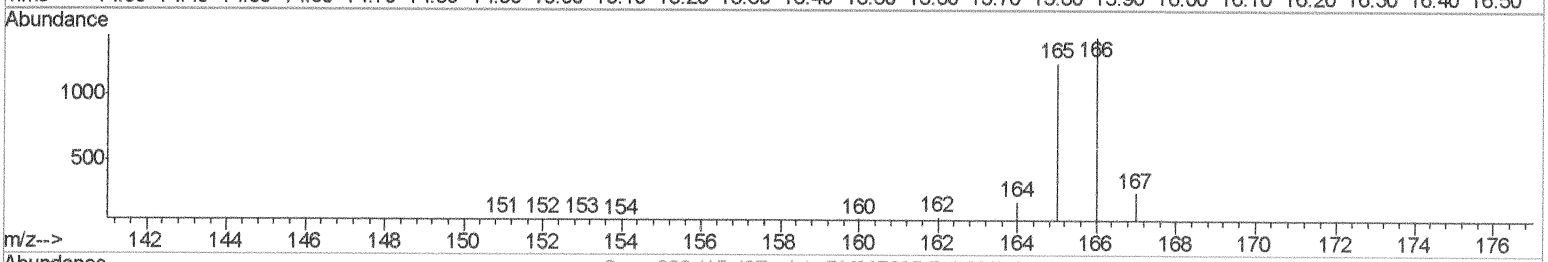
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

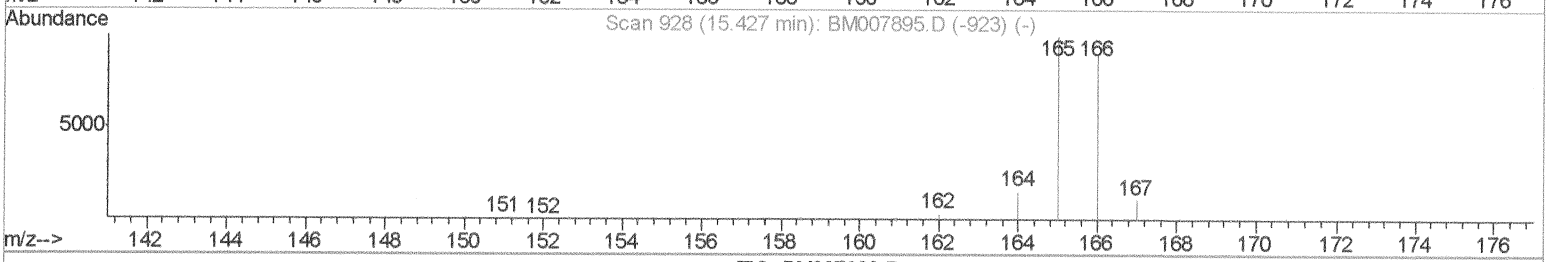
Quant Time: Nov 16 07:45:21 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM







TIC: BM007900.D

(9) Fluorene

15.427min (-0.000) 0.43ng/ul

response 3083

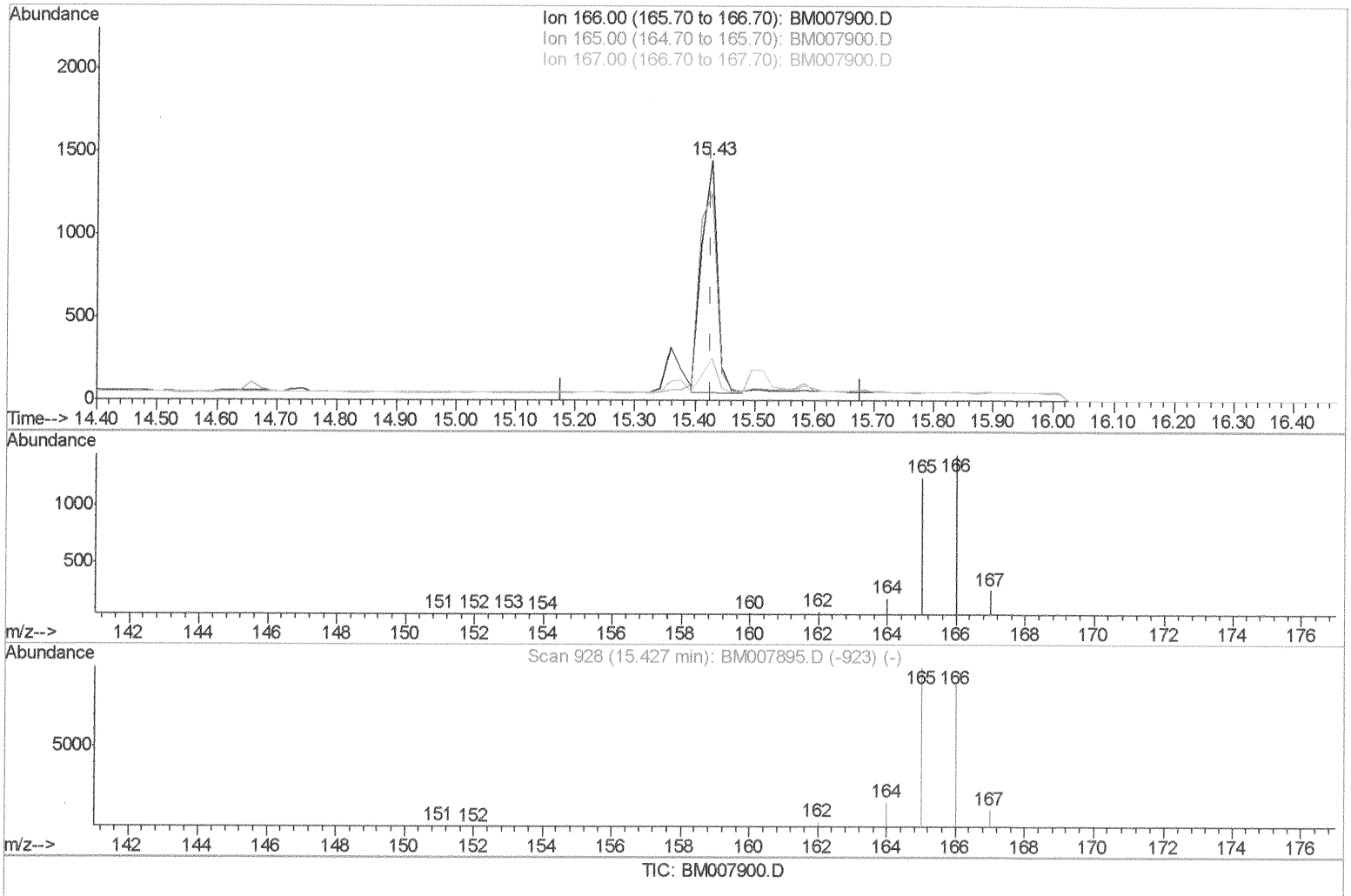
Ion	Exp%	Act%
166.00	100	100
165.00	91.80	86.33
167.00	18.30	17.61
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 07:45:21 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(9) Fluorene

15.427min (-0.000) 0.36ng/ul m SJ 11/16/16

response 2549

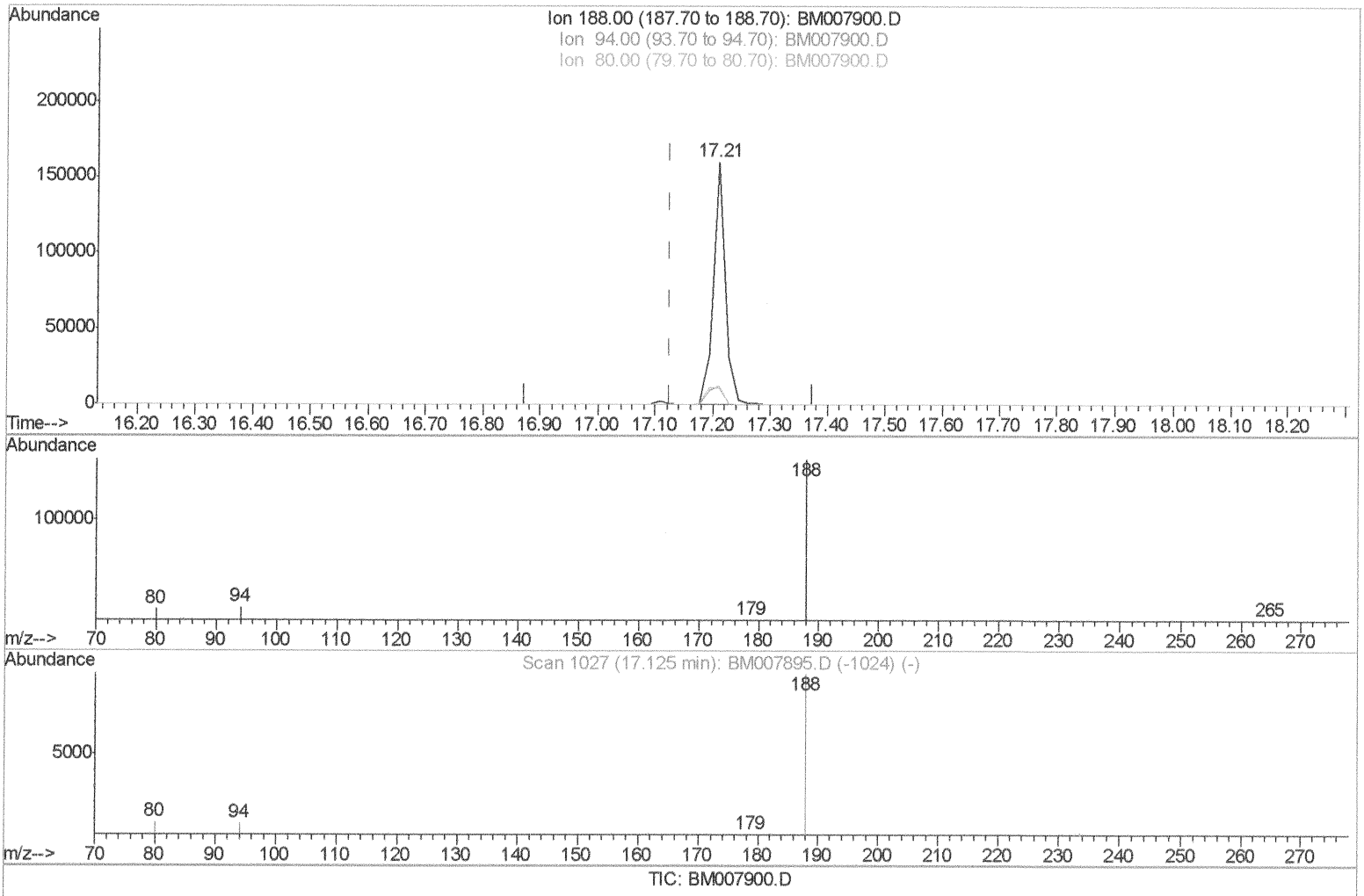
Ion	Exp%	Act%
166.00	100	100
165.00	91.80	86.33
167.00	18.30	17.61
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 07:45:21 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(10) Phenanthrene-d10 (I)

17.210min (+0.086) 0.40ng/ul

response 233930

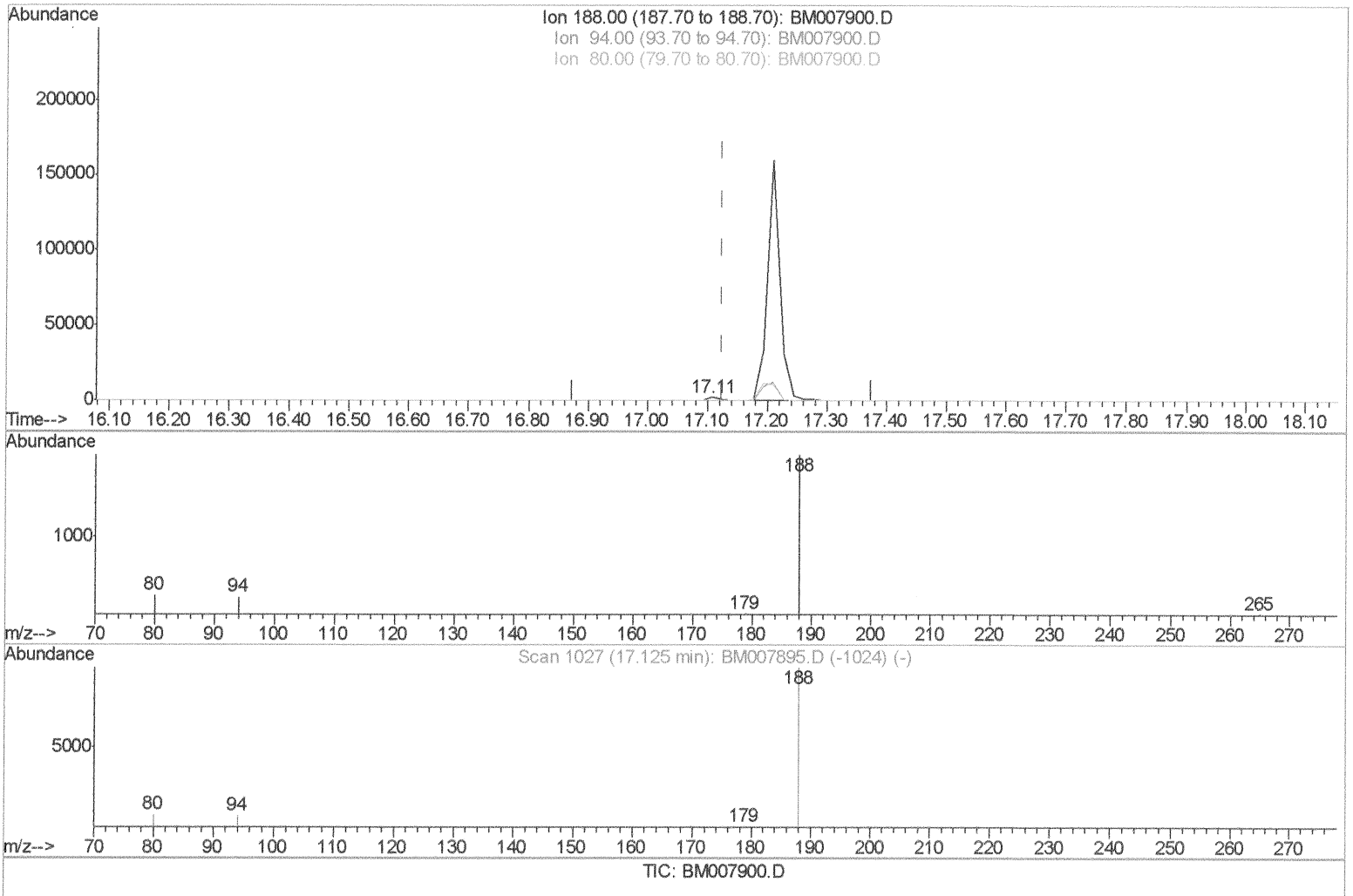
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.77#
80.00	11.80	6.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 07:45:21 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(10) Phenanthrene-d10 (I)

17.107min (-0.017) 0.40ng/ul m SJ 11/16/16

response 3197

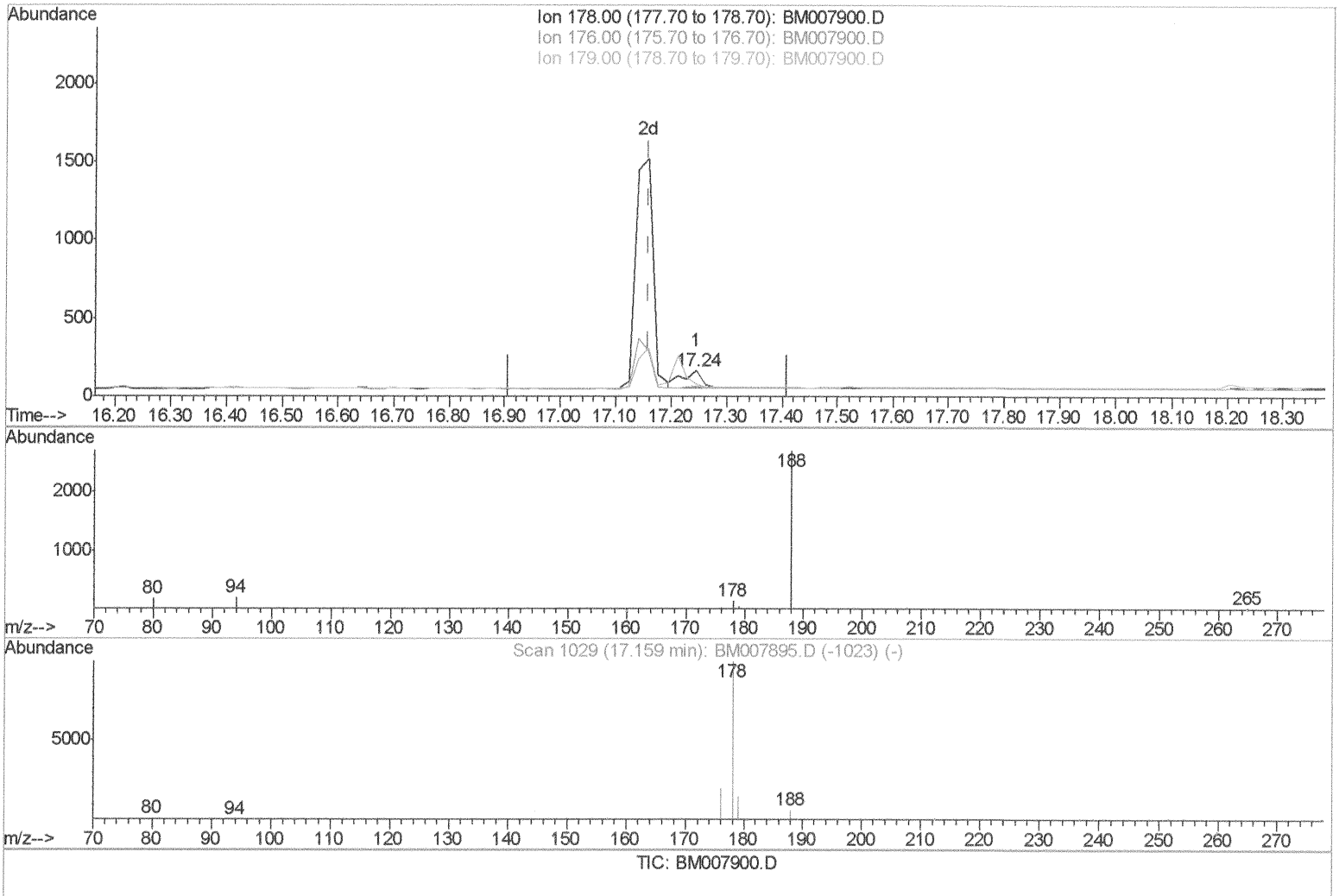
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.66
80.00	11.80	13.91
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 08:00:30 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(12) Phenanthrene

17.245min (+0.086) 0.03ng/ul

response 285

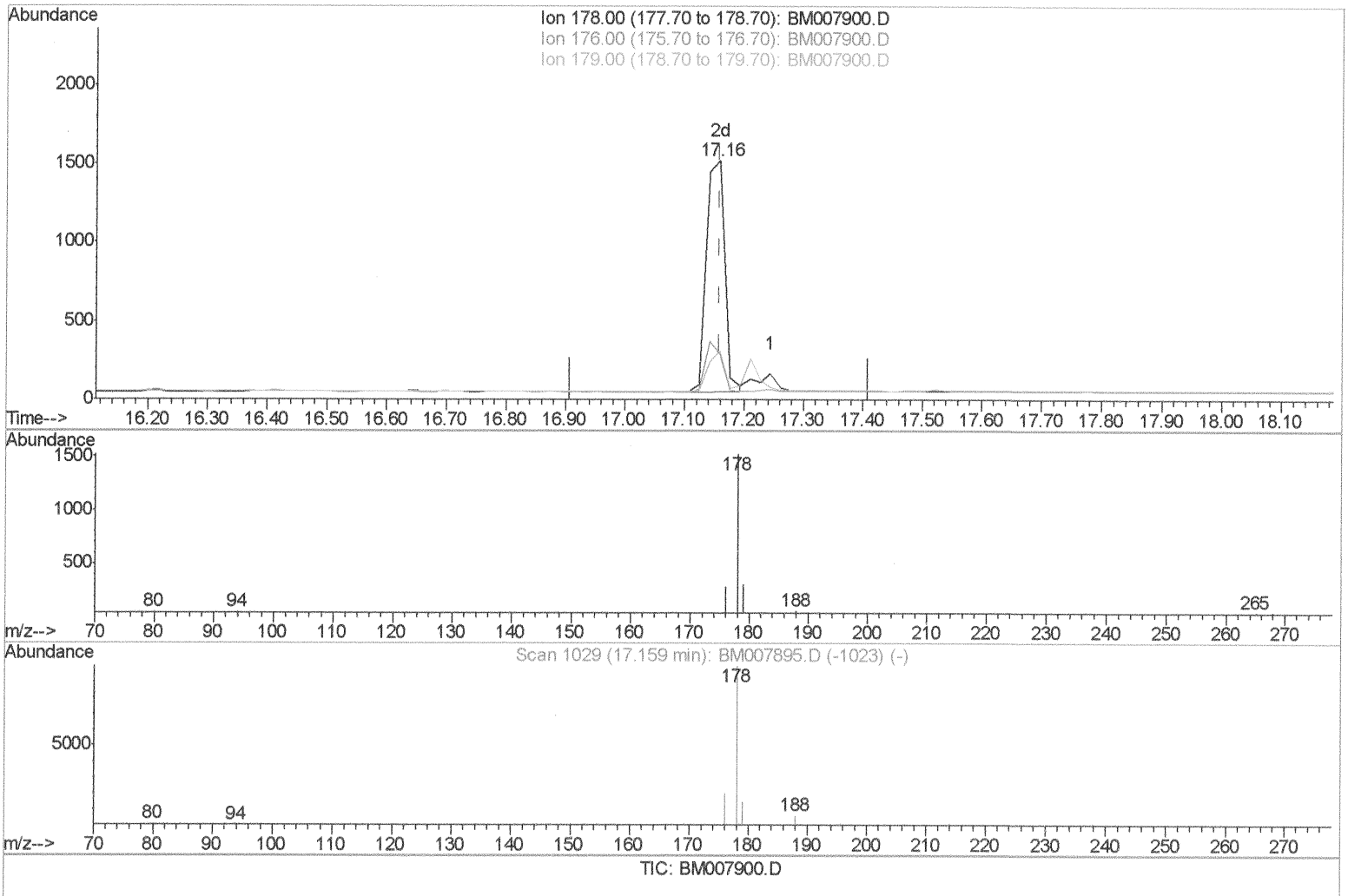
Ion	Exp%	Act%
178.00	100	100
176.00	23.00	43.03#
179.00	17.00	49.70#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 08:00:30 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(12) Phenanthrene

17.159min (-0.000) 0.35ng/ul m SJ 11/16/16

response 3126

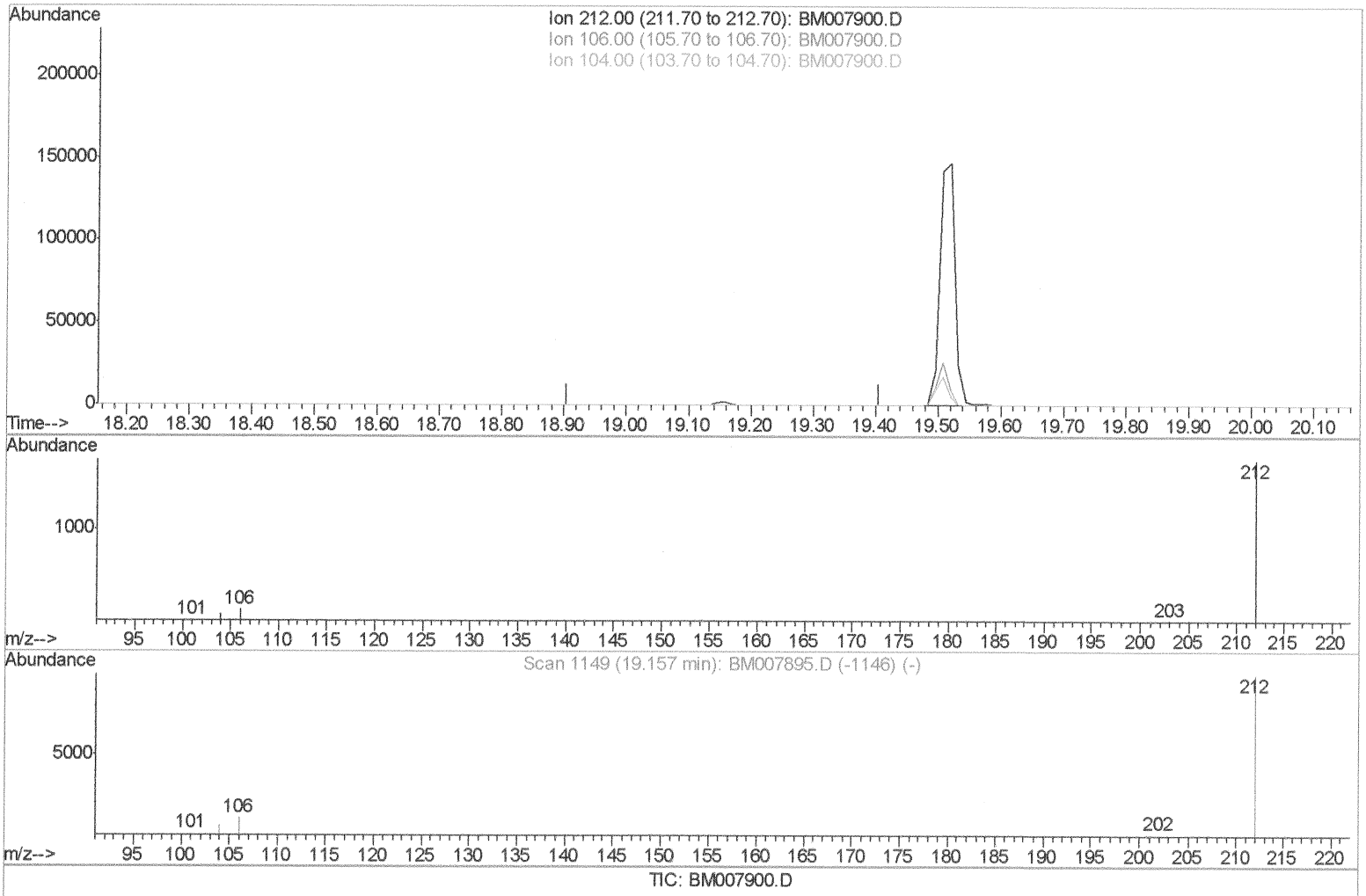
Ion	Exp%	Act%
178.00	100	100
176.00	23.00	19.14
179.00	17.00	20.66#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 08:00:30 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(14) Fluoranthene-d10 (SURR)

19.157min (-19.157) 0.00ng/ul

response 0

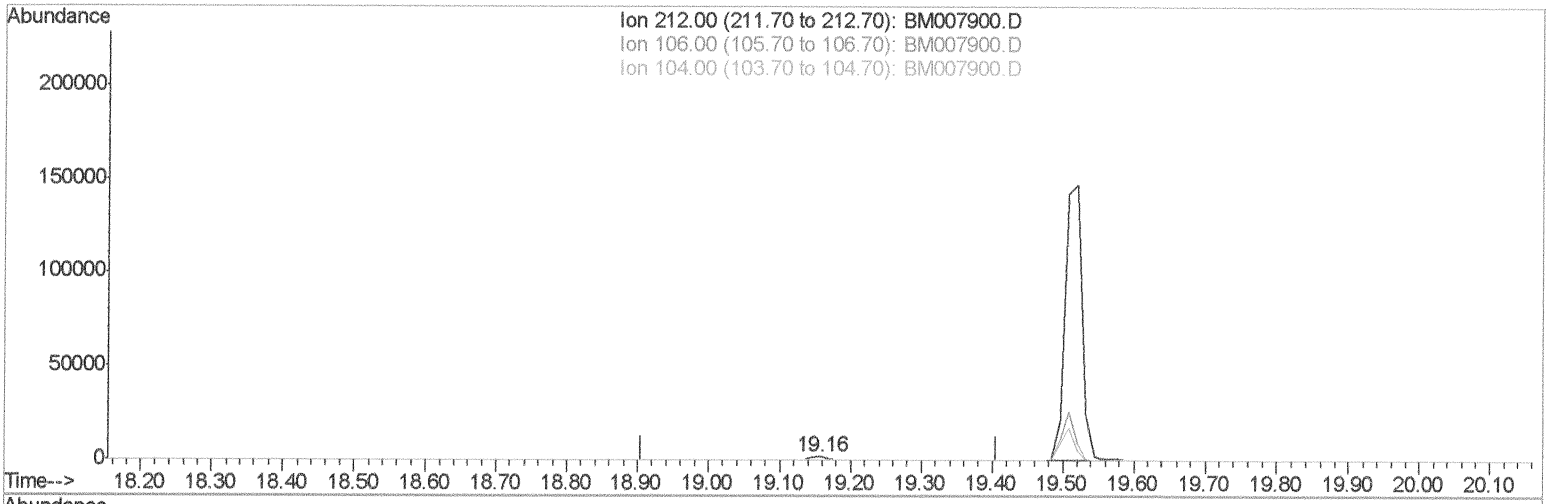
Ion	Exp%	Act%
212.00	100	0.00
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

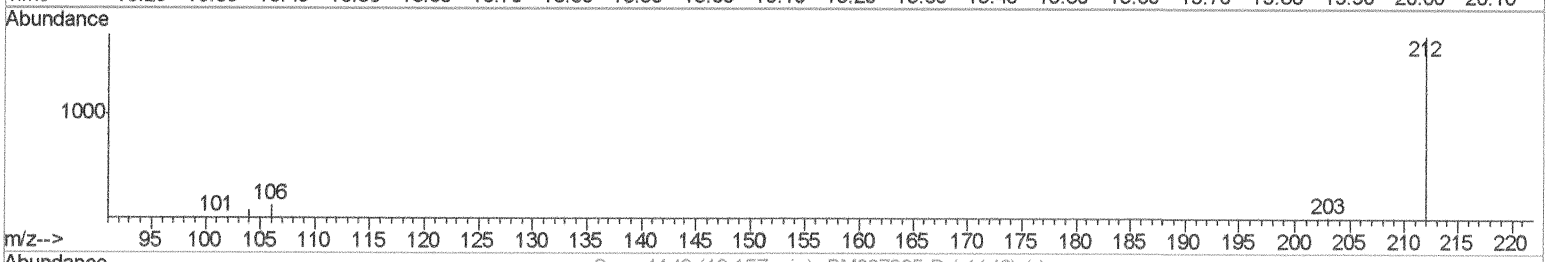
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

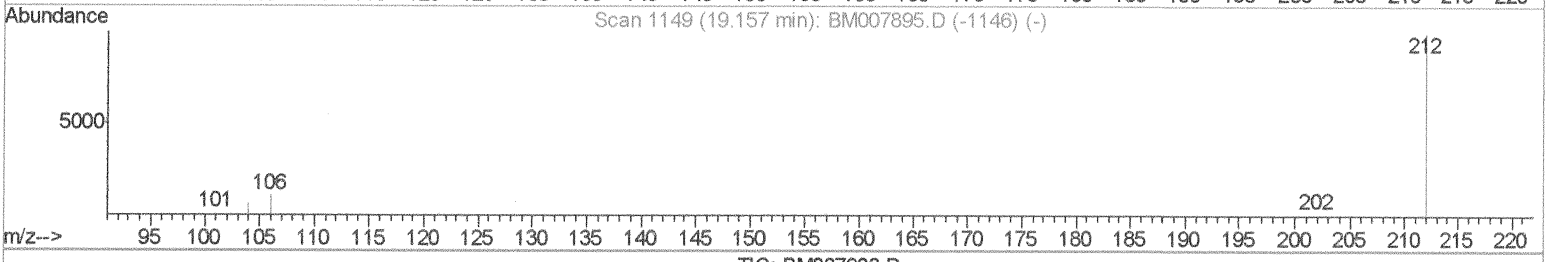
Quant Time: Nov 16 08:00:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM







TIC: BM007900.D

(14) Fluoranthene-d10 (SURR)

19.157min (-0.000) 0.37ng/ul m SJ 11/16/16

response 2693

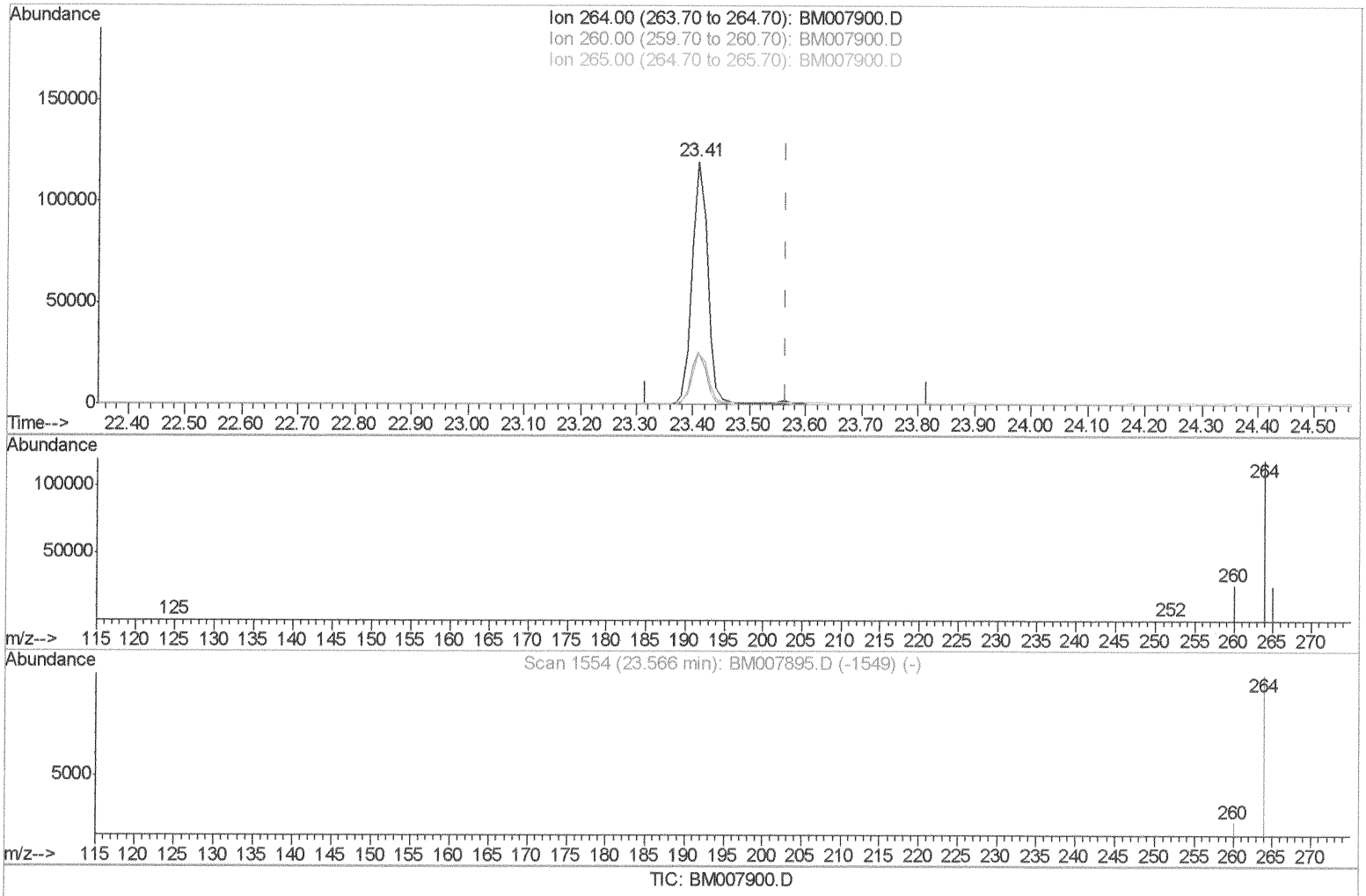
Ion	Exp%	Act%
212.00	100	100
106.00	18.30	0.00#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 16 08:00:30 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 :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM



TIC: BM007900.D

(20) Perylene-d12 (I)

23.409min (-0.157) 0.40ng/ul

response 230725

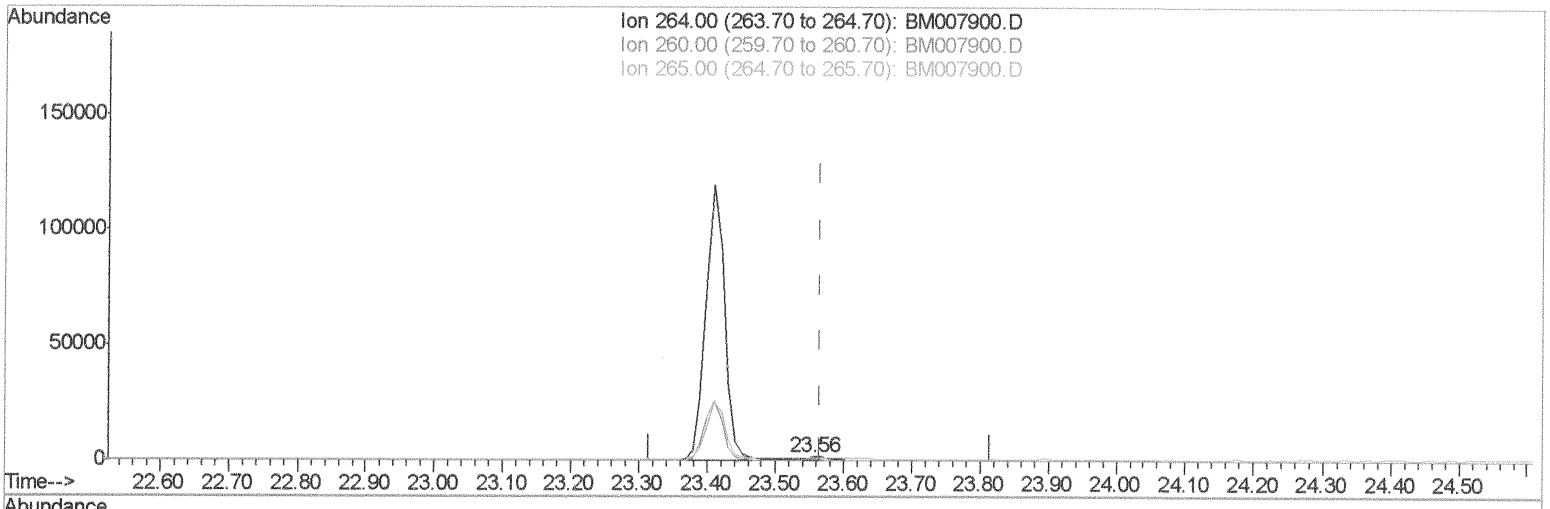
Ion	Exp%	Act%
264.00	100	100
260.00	30.10	21.96#
265.00	103.50	21.30#
0.00	0.00	0.00

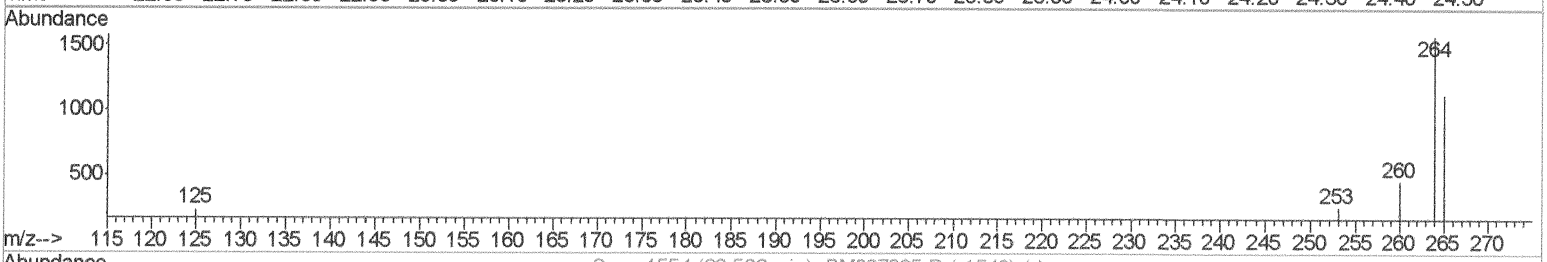
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

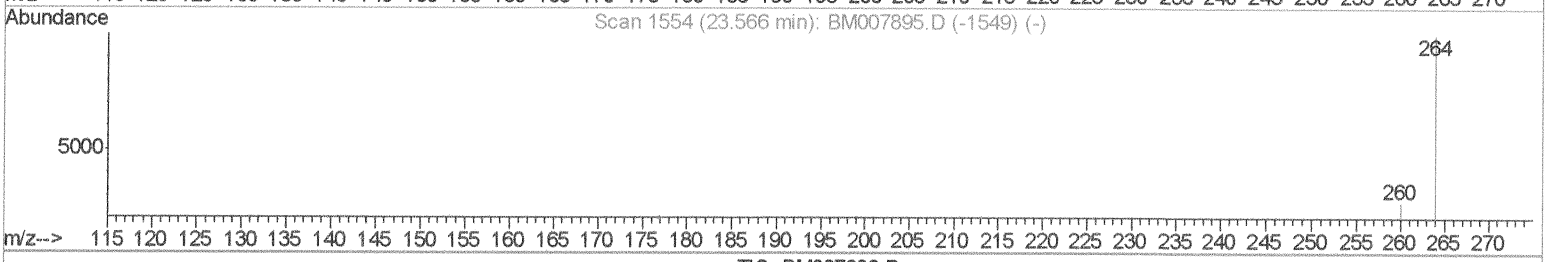
Quant Time: Nov 16 08:00:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 07:43:19 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM







TIC: BM007900.D

(20) Perylene-d12 (I)

23.555min (-0.011) 0.40ng/ul m SJ 11/16/16

response 2741

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	29.21
265.00	103.50	71.29#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111516\
Data File : BM007900.D
Acq On : 15 Nov 2016 19:33
Operator : UM/SJ
Sample : H5612-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F2H03

Manual Integrations APPROVED
Umangi
11/16/2016 6:02:26 PM

Quant Time: Nov 16 08:01:48 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	943	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	3013	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.37	164	1793	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	3197m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.31	240	3455	0.40	ng/ul	0.00
20) Perylene-d12	23.56	264	2741m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	1246	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	2693m	0.37	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.56	128	15938	2.06	ng/ul	93
5) 2-Methylnaphthalene	12.19	142	2128	0.43	ng/ul	98
8) Acenaphthene	14.42	153	3219	0.50	ng/ul	92
9) Fluorene	15.43	166	2549m	0.36	ng/ul	
12) Phenanthrene	17.16	178	3126m	0.35	ng/ul	

SJ 11/16/16

SJ 11/16/16

SJ 11/16/16

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