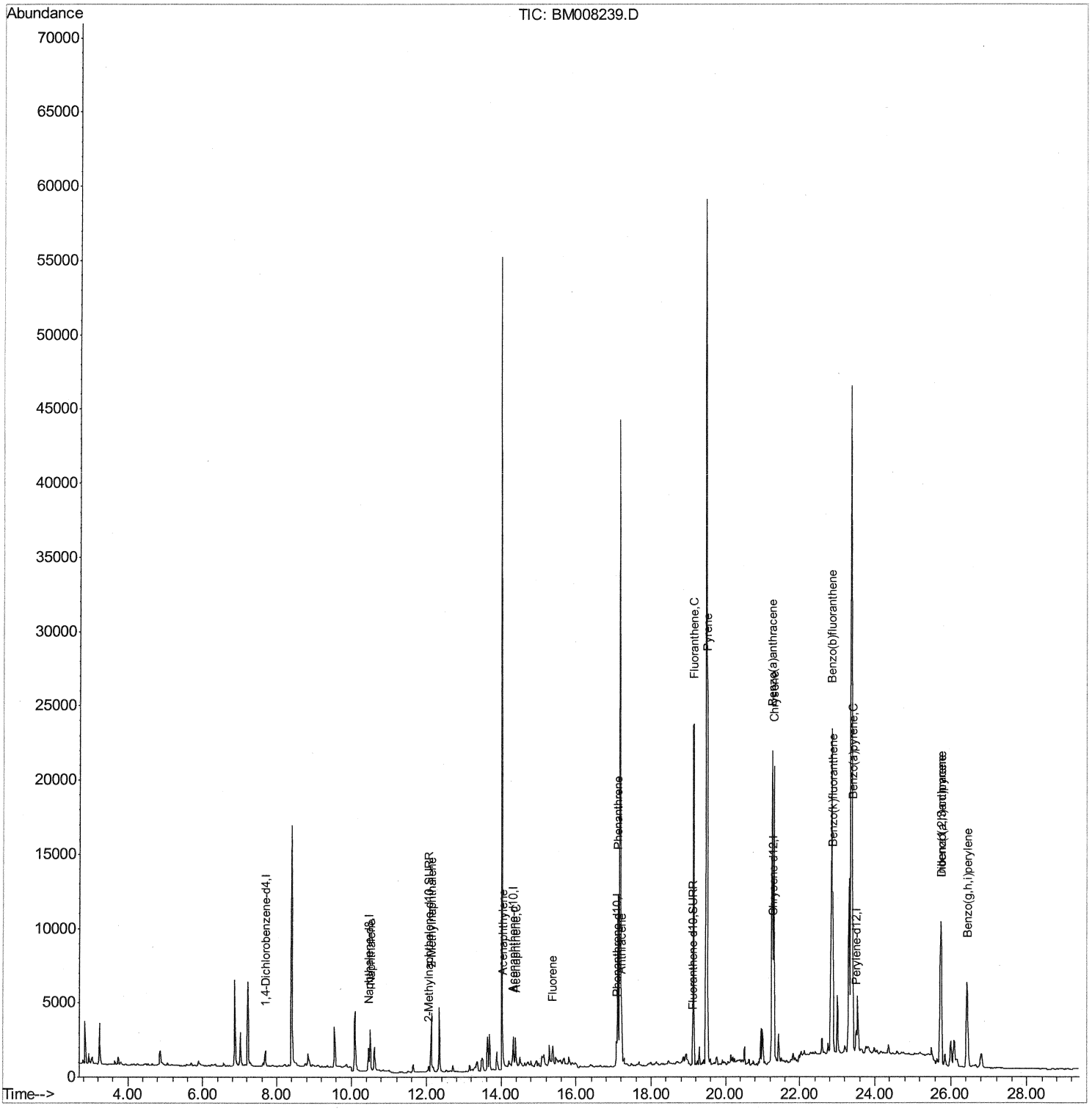
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 04:06:26 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:27 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
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Misc :
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ClientSampleId :
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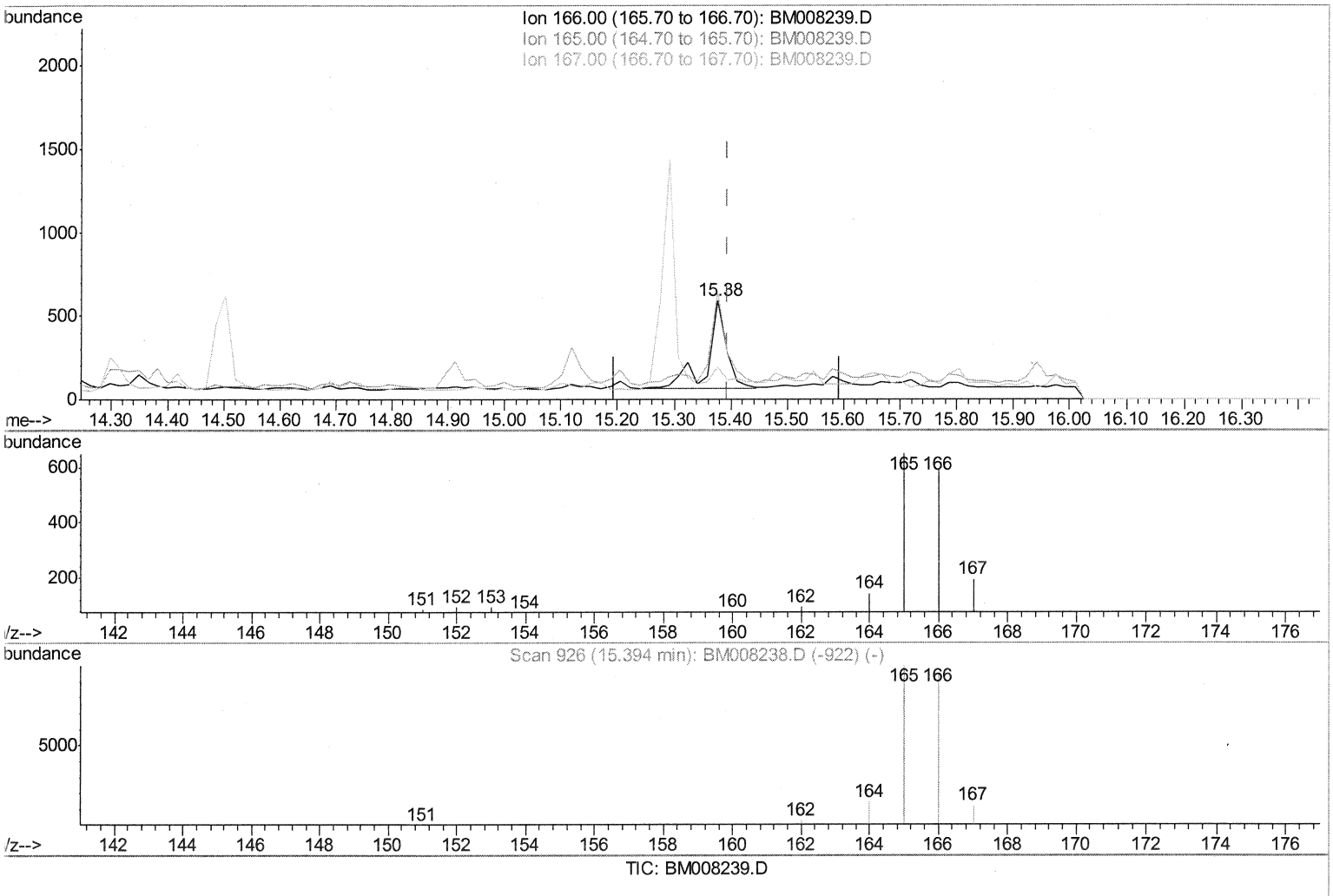

TIC: BM008239.D

(9) Fluorene

15.376min (-0.018) 0.24ng/ul

response 1198

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	109.81
167.00	18.30	32.83#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
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ClientSampleId :
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Manual Integrations APPROVED
UMANGI
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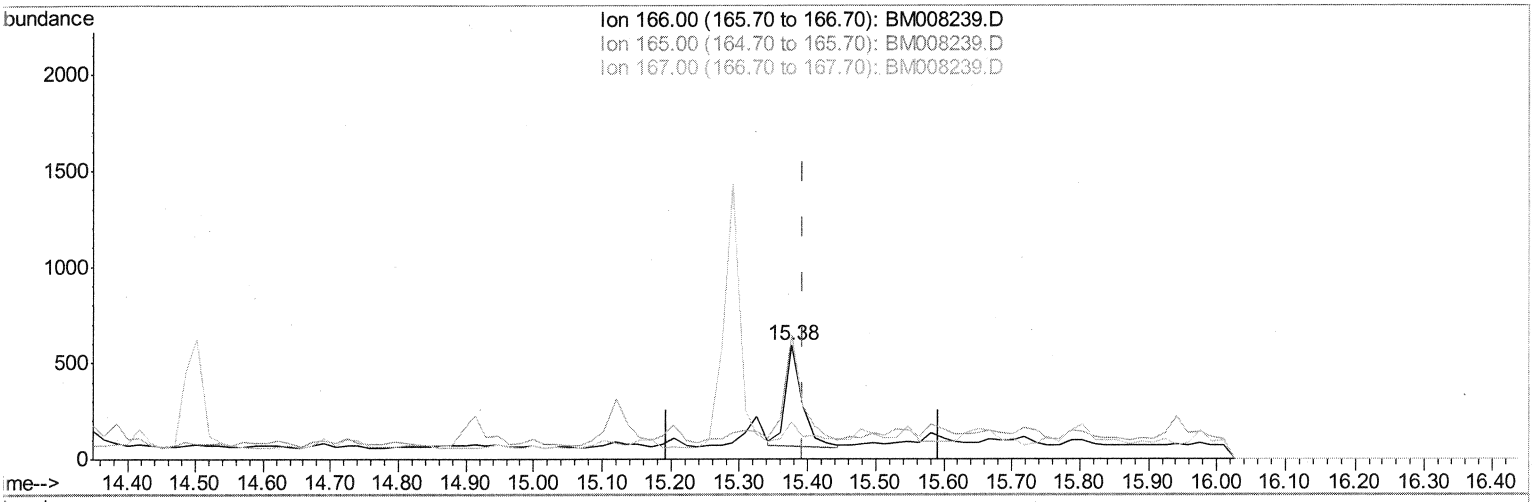

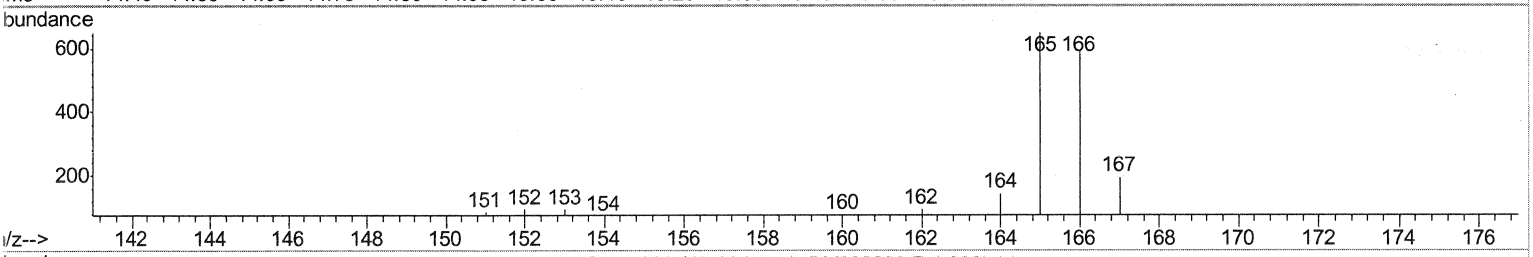

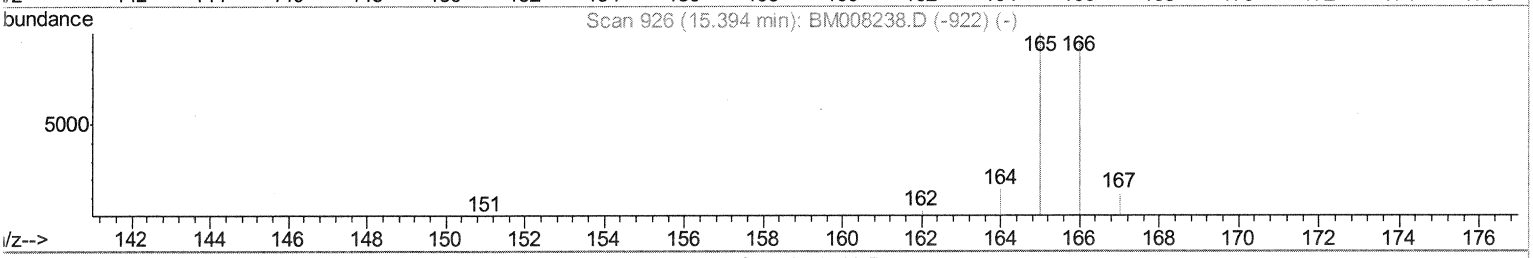

TIC: BM008239.D

(9) Fluorene

15.376min (-0.018) 0.18ng/ul m SJ 12/12/16

response 904

Ion	Exp%	Act%
166.00	100	100
165.00	91.80	109.81
167.00	18.30	32.83#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 03:54:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
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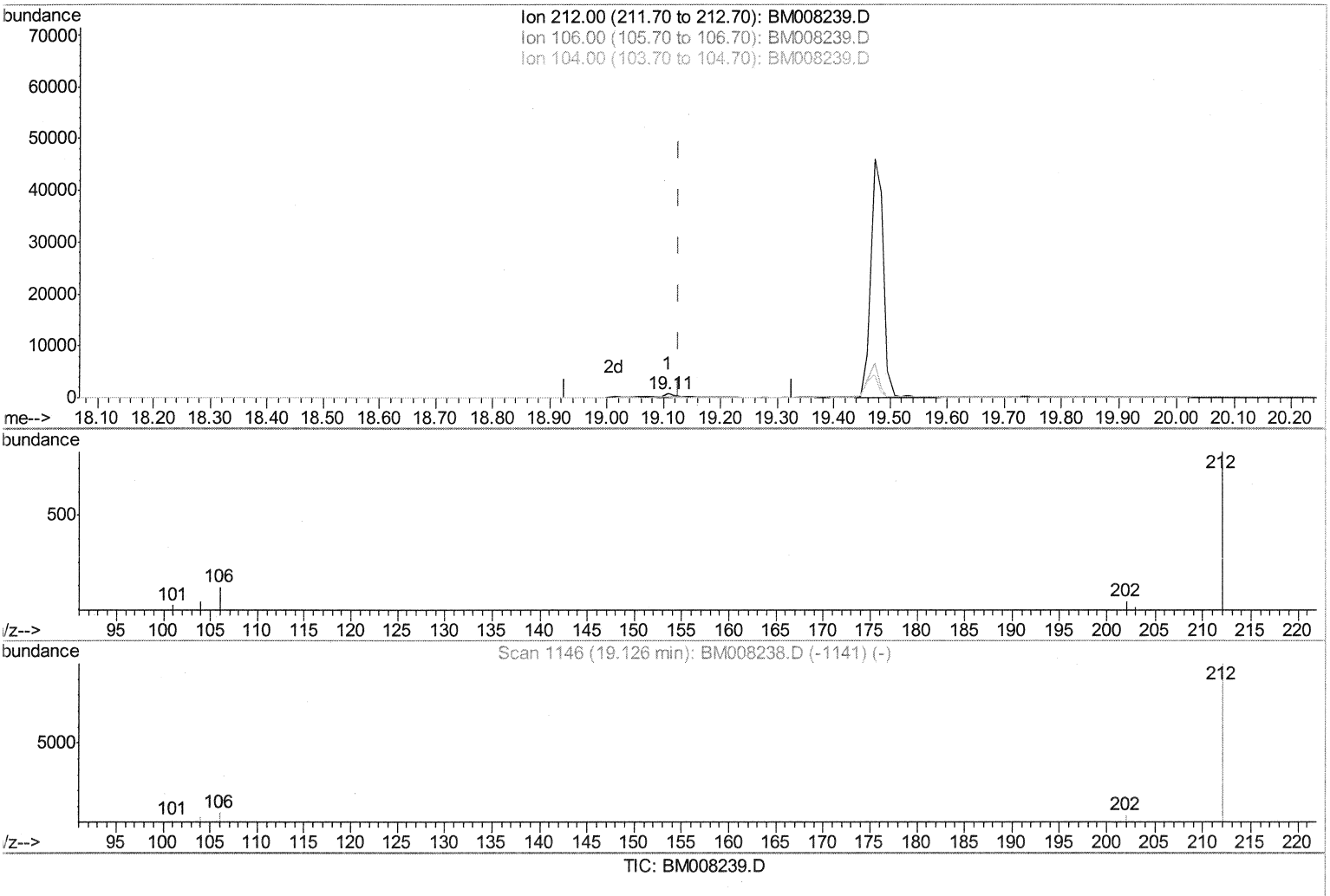

TIC: BM008239.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.018) 0.23ng/ul

response 1351

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	41.08#
104.00	15.60	109.77#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 03:54:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
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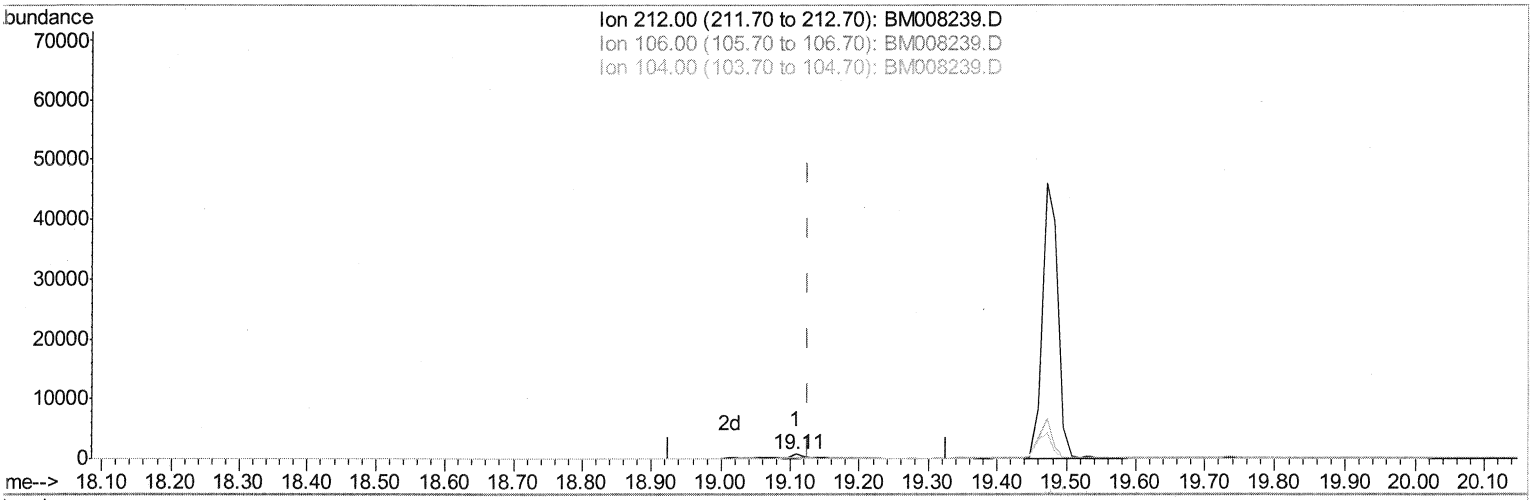
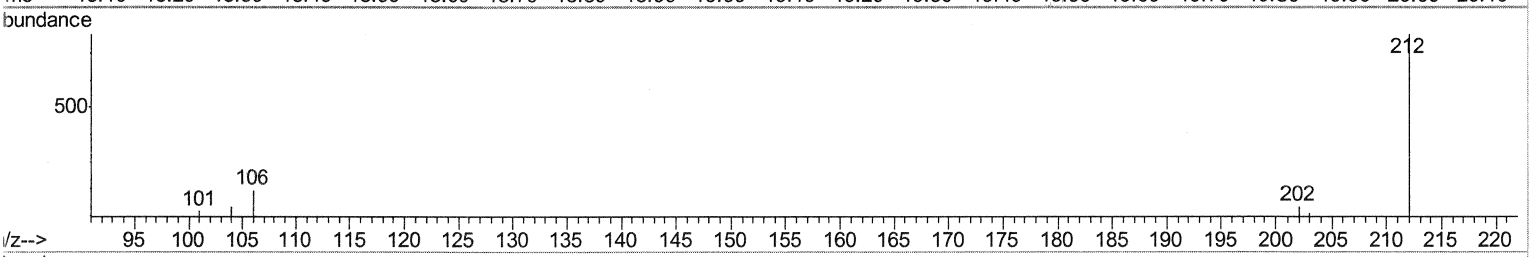
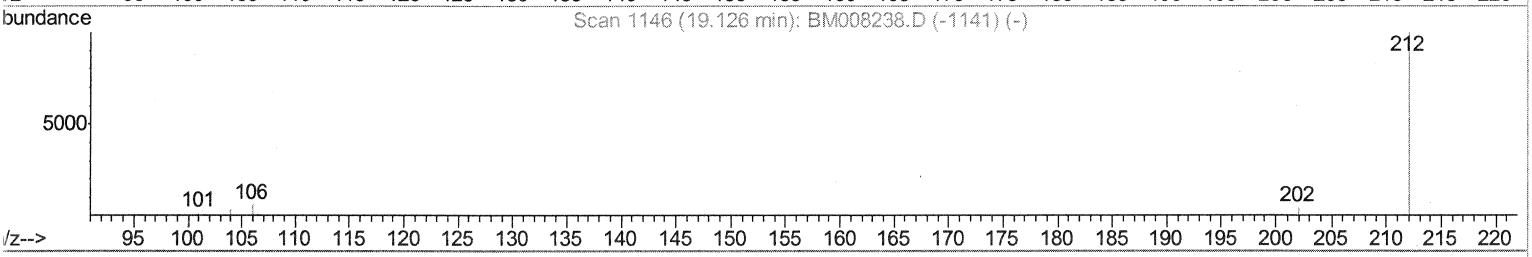






TIC: BM008239.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.018) 0.17ng/ul m SJ 12/12/16

response 1009

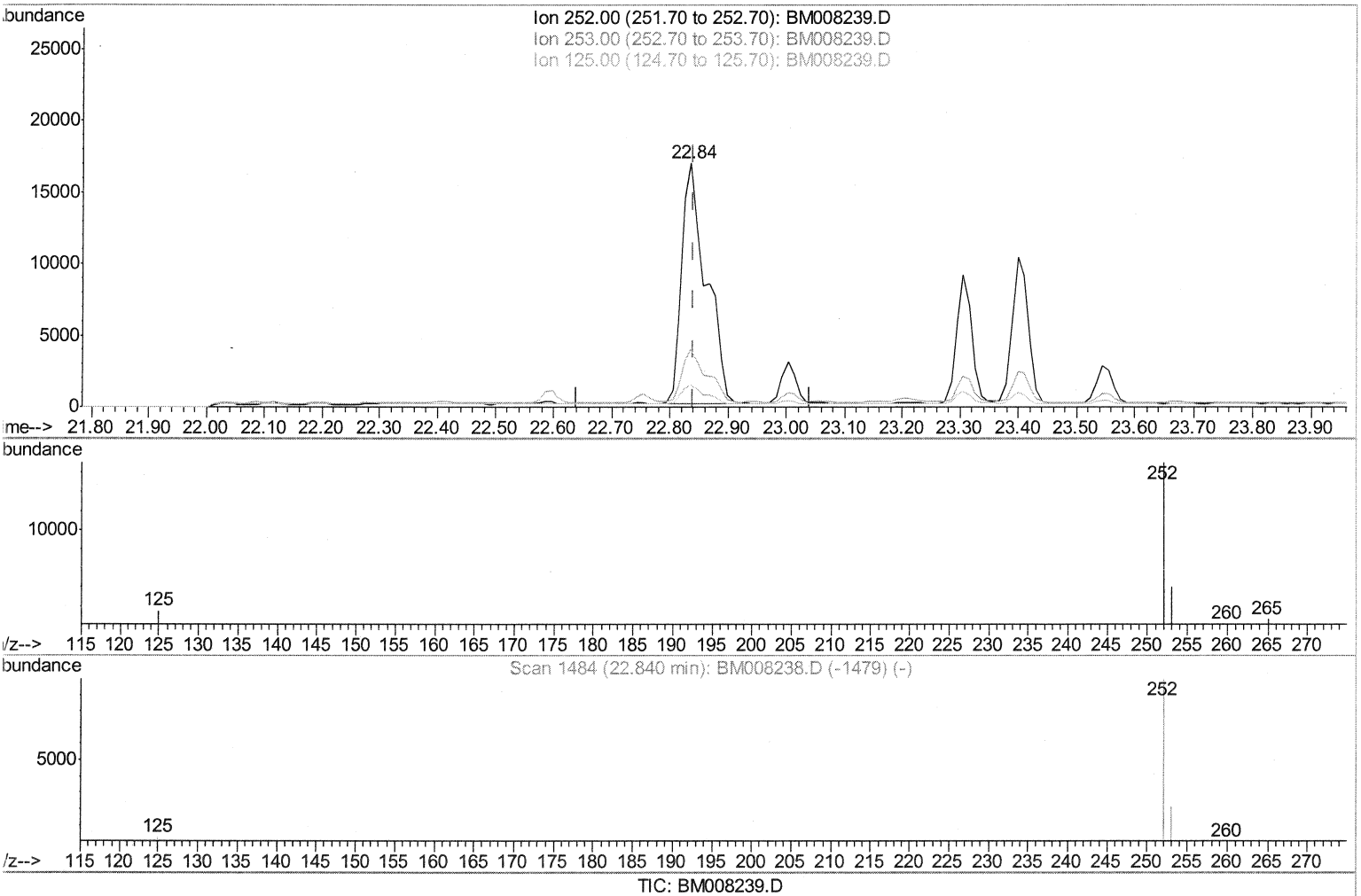
Ion	Exp%	Act%
212.00	100	100
106.00	18.30	55.00#
104.00	15.60	146.98#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 03:54:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:27 PM



TIC: BM008239.D

(21) Benzo(b)fluoranthene

22.836min (-0.004) 6.38ng/ul

response 49096

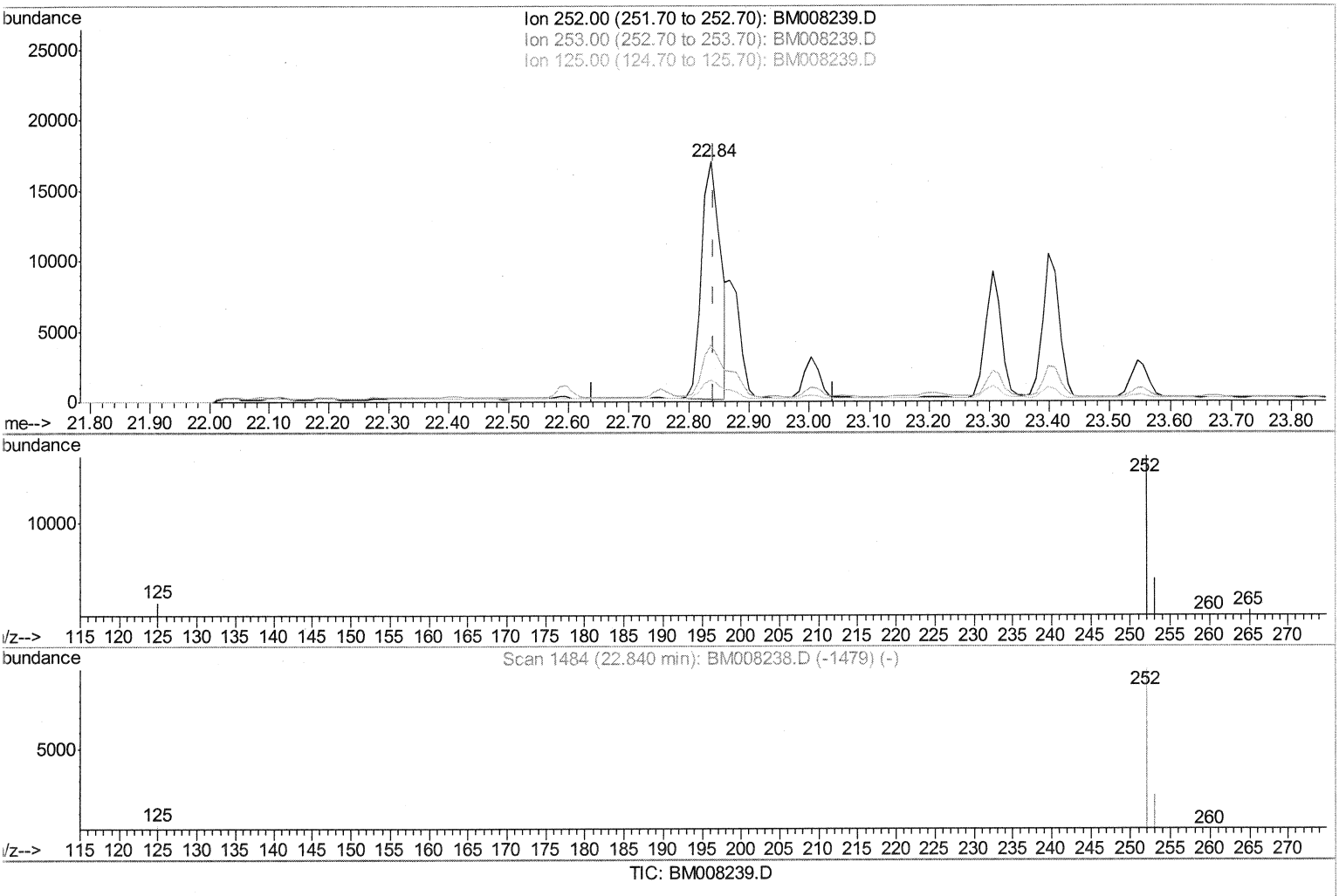
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.69
125.00	17.50	8.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 03:54:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:27 PM



TIC: BM008239.D

(21) Benzo(b)fluoranthene

22.836min (-0.004) 4.79ng/ul m SJ 12/12/16

response 36817

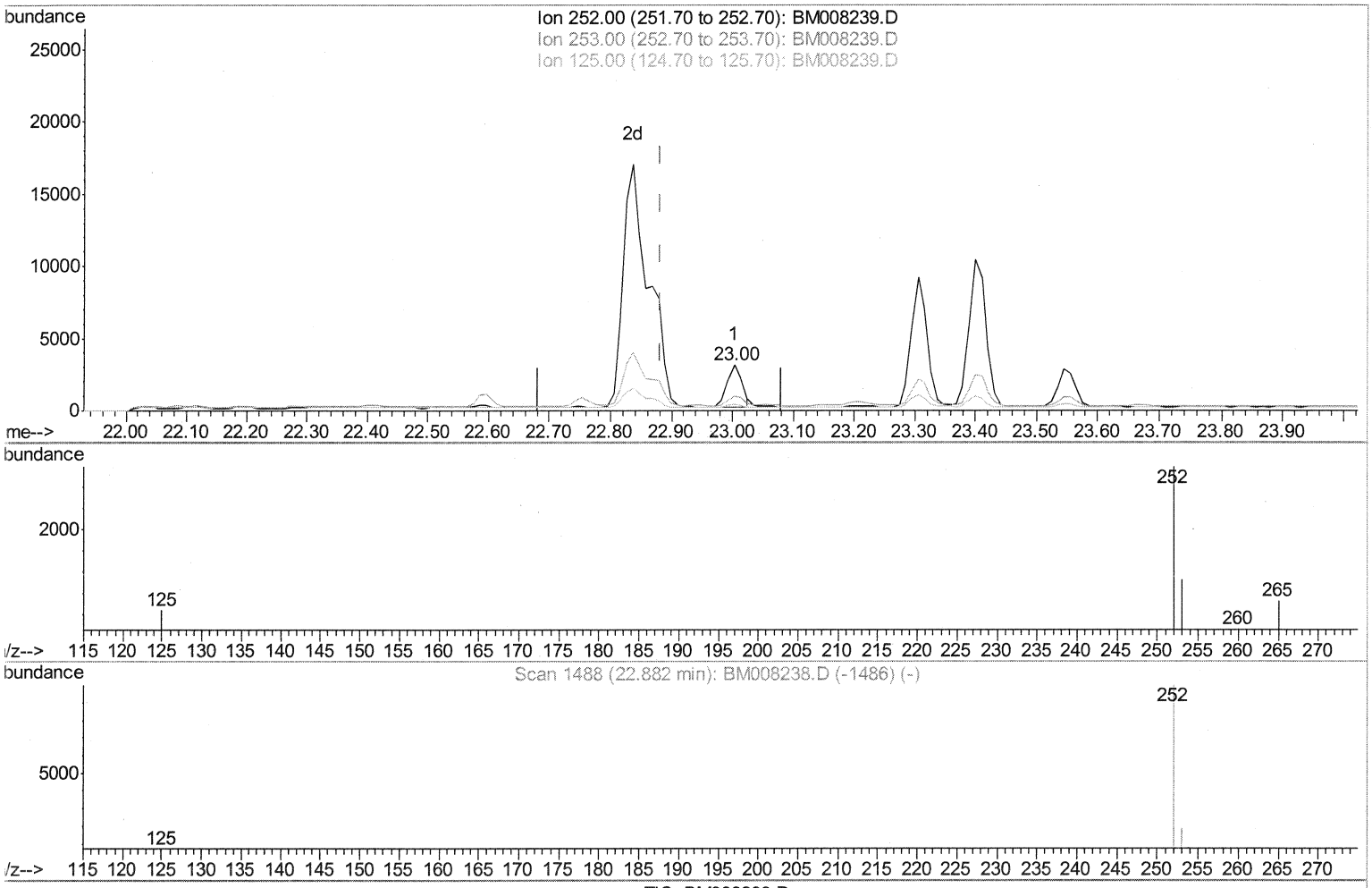
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.69
125.00	17.50	8.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 03:54:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:27 PM



TIC: BM008239.D

(22) Benzo(k)fluoranthene

23.003min (+0.121) 0.63ng/ul

response 4968

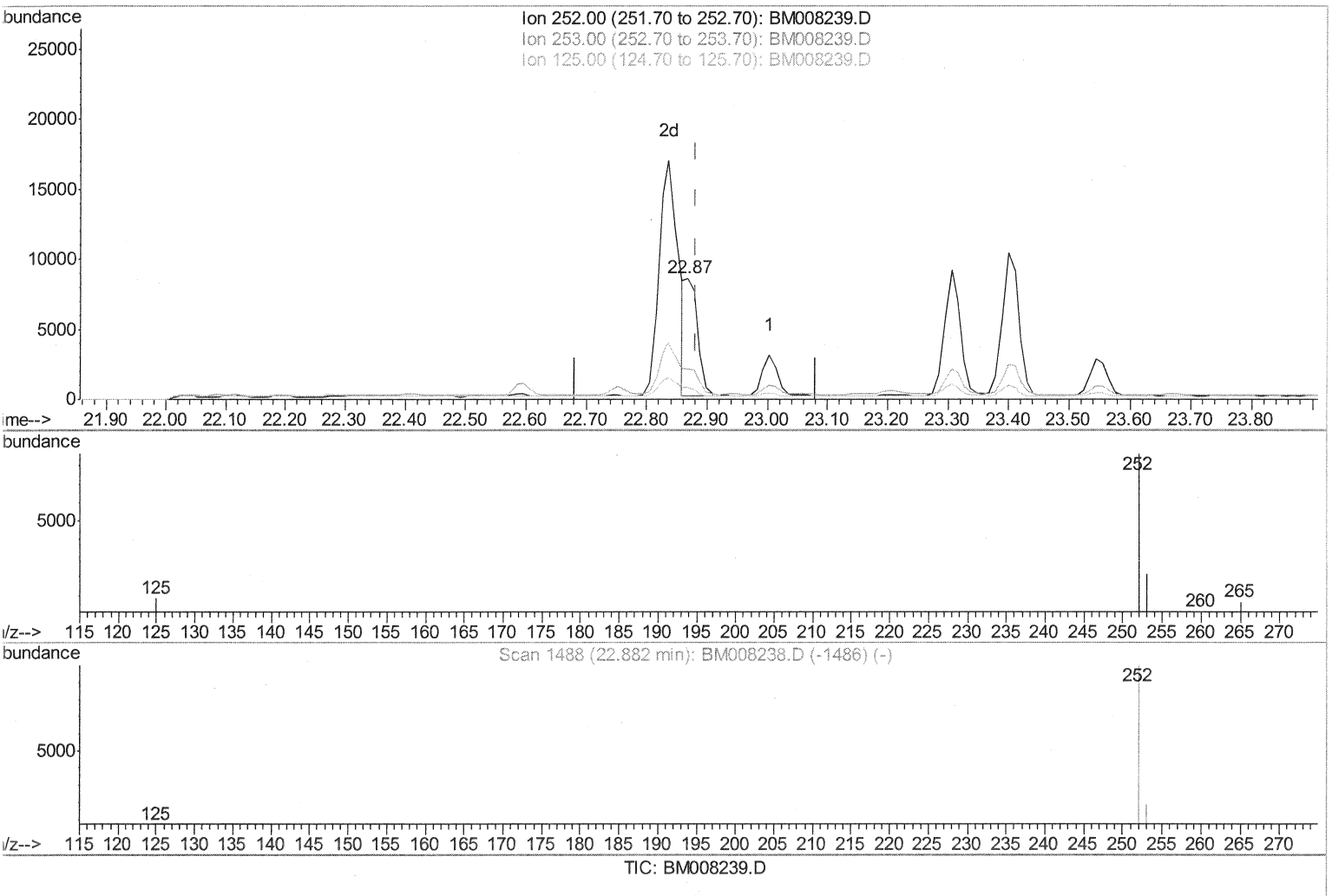
Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.83
125.00	17.10	14.69
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 12 03:54:13 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:27 PM



TIC: BM008239.D

(22) Benzo(k)fluoranthene

22.867min (-0.014) 1.55ng/ul m SJ 12/12/16

response 12310

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.80
125.00	17.10	9.82#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008239.D
Acq On : 10 Dec 2016 19:17
Operator : UM/SJ
Sample : H5905-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA806

Manual Integrations APPROVED
UMANGI
12/12/2016 6:50:27 PM

Quant Time: Dec 12 04:06:26 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	677	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2223	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1255	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2083	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2054	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1928	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	525	0.17	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1009m	0.17	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.51	128	4050	0.65	ng/ul	97
5) 2-Methylnaphthalene	12.13	142	3331	0.83	ng/ul	98
7) Acenaphthylene	14.04	152	2957	0.52	ng/ul#	96
8) Acenaphthene	14.38	153	1251	0.29	ng/ul	98
9) Fluorene	15.38	166	904m	0.18	ng/ul	
12) Phenanthrene	17.11	178	12765	1.97	ng/ul	96
13) Anthracene	17.21	178	4307	0.71	ng/ul	94
15) Fluoranthene	19.14	202	27555	3.29	ng/ul	93
17) Pyrene	19.51	202	28096	3.94	ng/ul	96
18) Benzo(a)anthracene	21.25	228	19395	3.08	ng/ul	99
19) Chrysene	21.30	228	19961	2.55	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	36817m	4.79	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	12310m	1.55	ng/ul	
23) Benzo(a)pyrene	23.40	252	19795	2.75	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.74	276	16221	1.82	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	4608	0.65	ng/ul	96
26) Benzo(g,h,i)perylene	26.43	276	12600	1.59	ng/ul#	90

SJ 12/12/16

SJ 12/12/16

} SJ 12/12/16

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