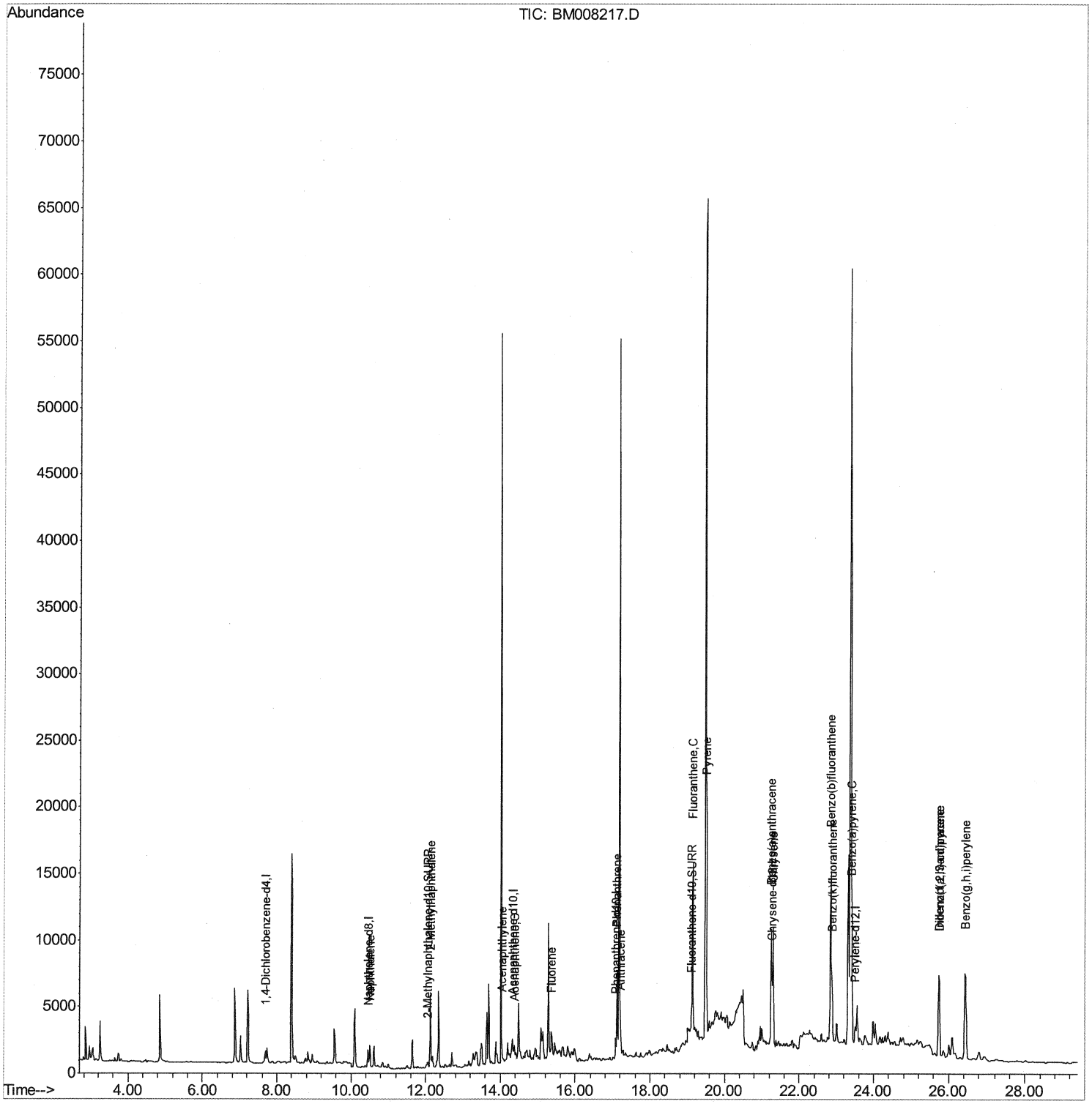
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 12 00:04:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 04:37:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM

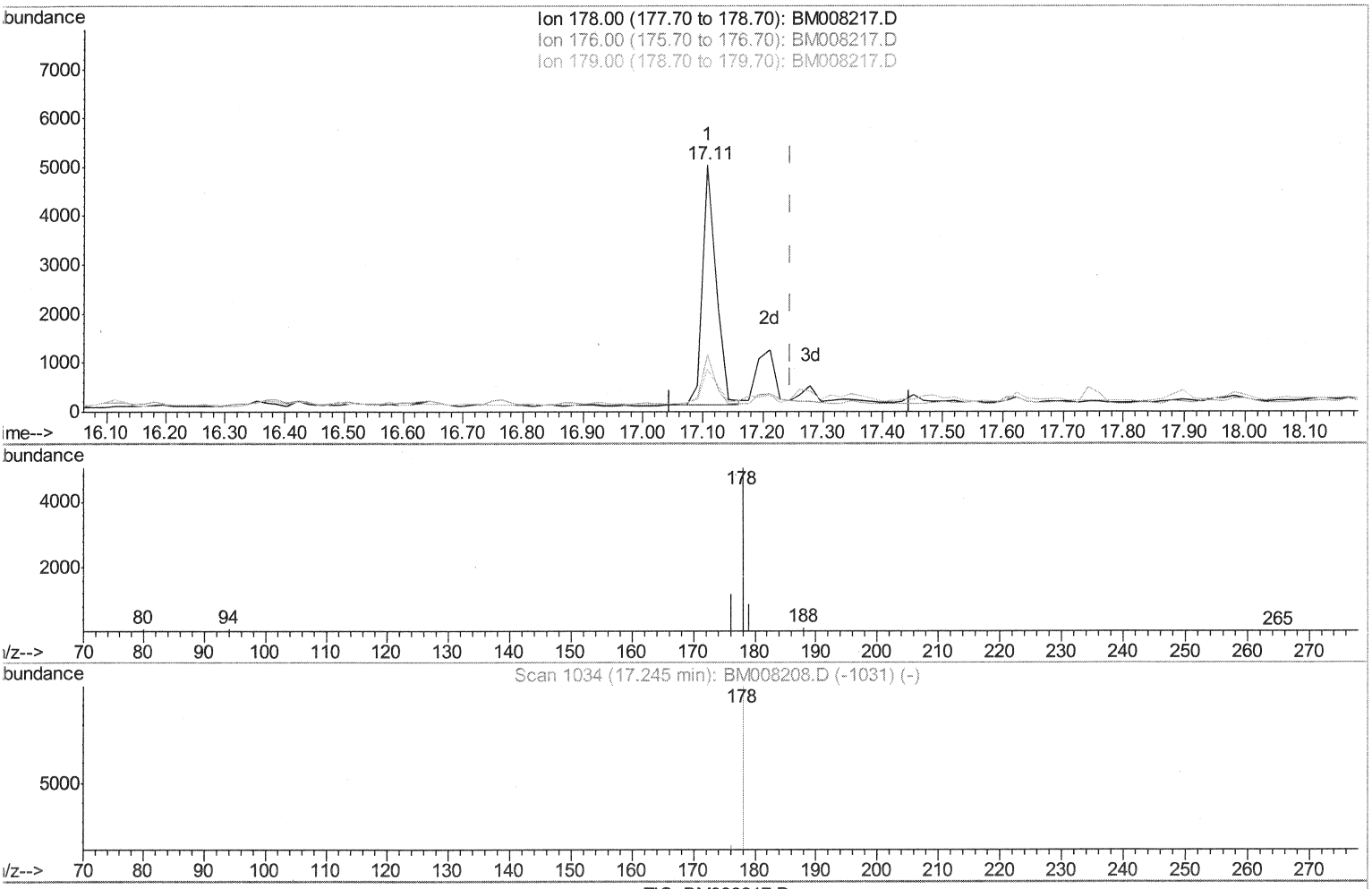


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 04:57:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 04:37:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM



TIC: BM008217.D

(13) Anthracene

17.108min (-0.137) 1.50ng/ul

response 7634

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	23.11
179.00	18.40	17.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
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Quant Time: Dec 10 04:57:07 2016
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ClientSampleId :
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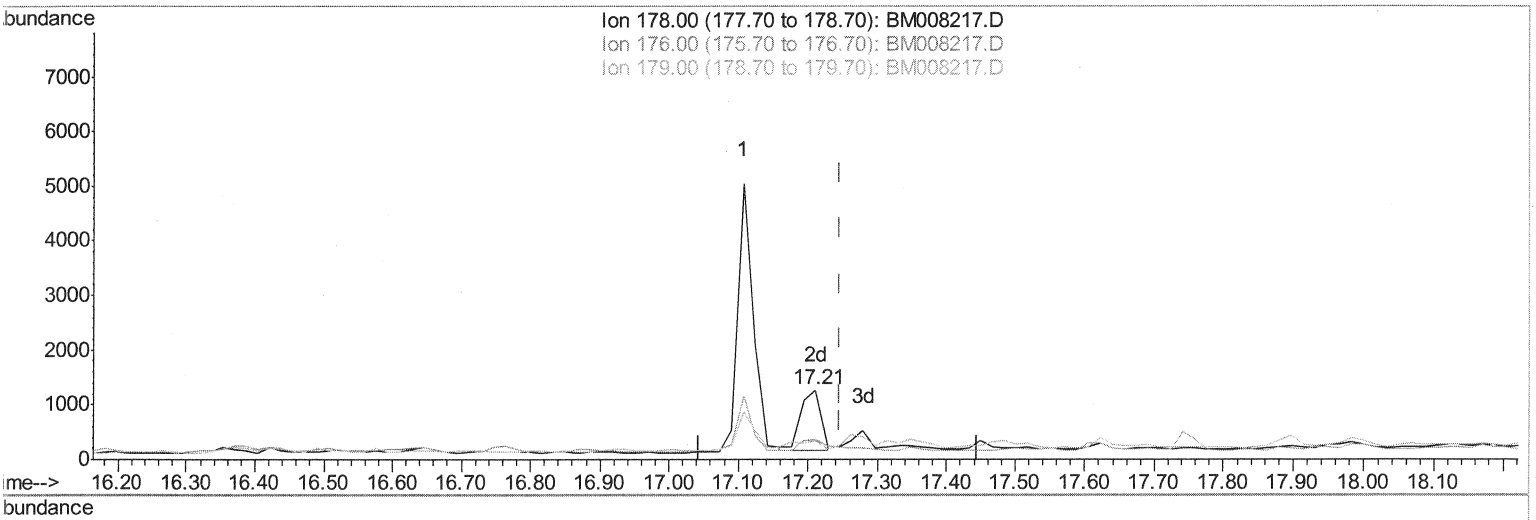
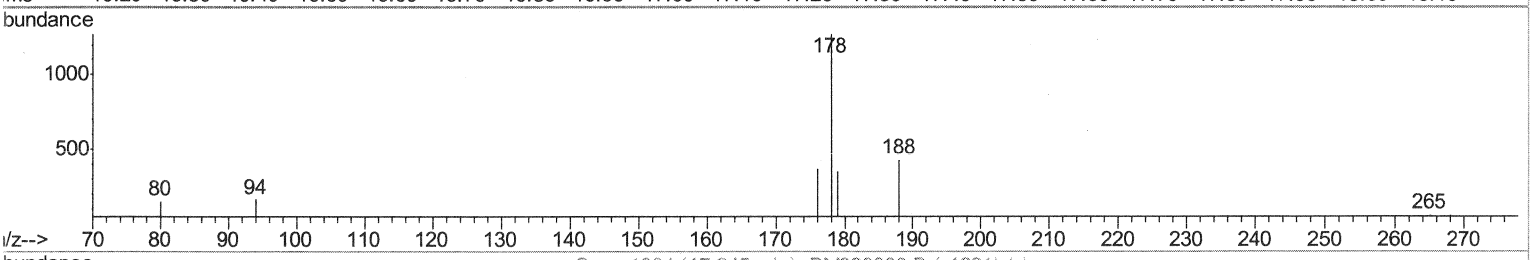
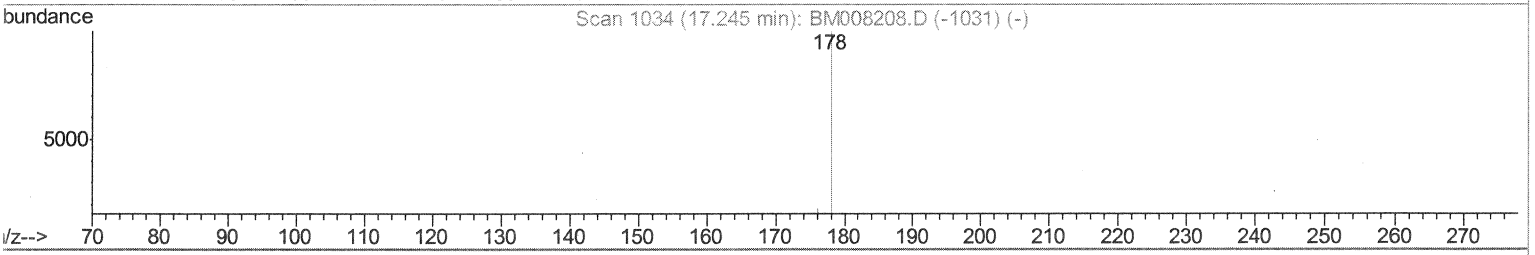
Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM







TIC: BM008217.D

(13) Anthracene

17.210min (-0.034) 0.45ng/ul m SJ 12/12/16

response 2297

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	28.56#
179.00	18.40	27.38#
0.00	0.00	0.00

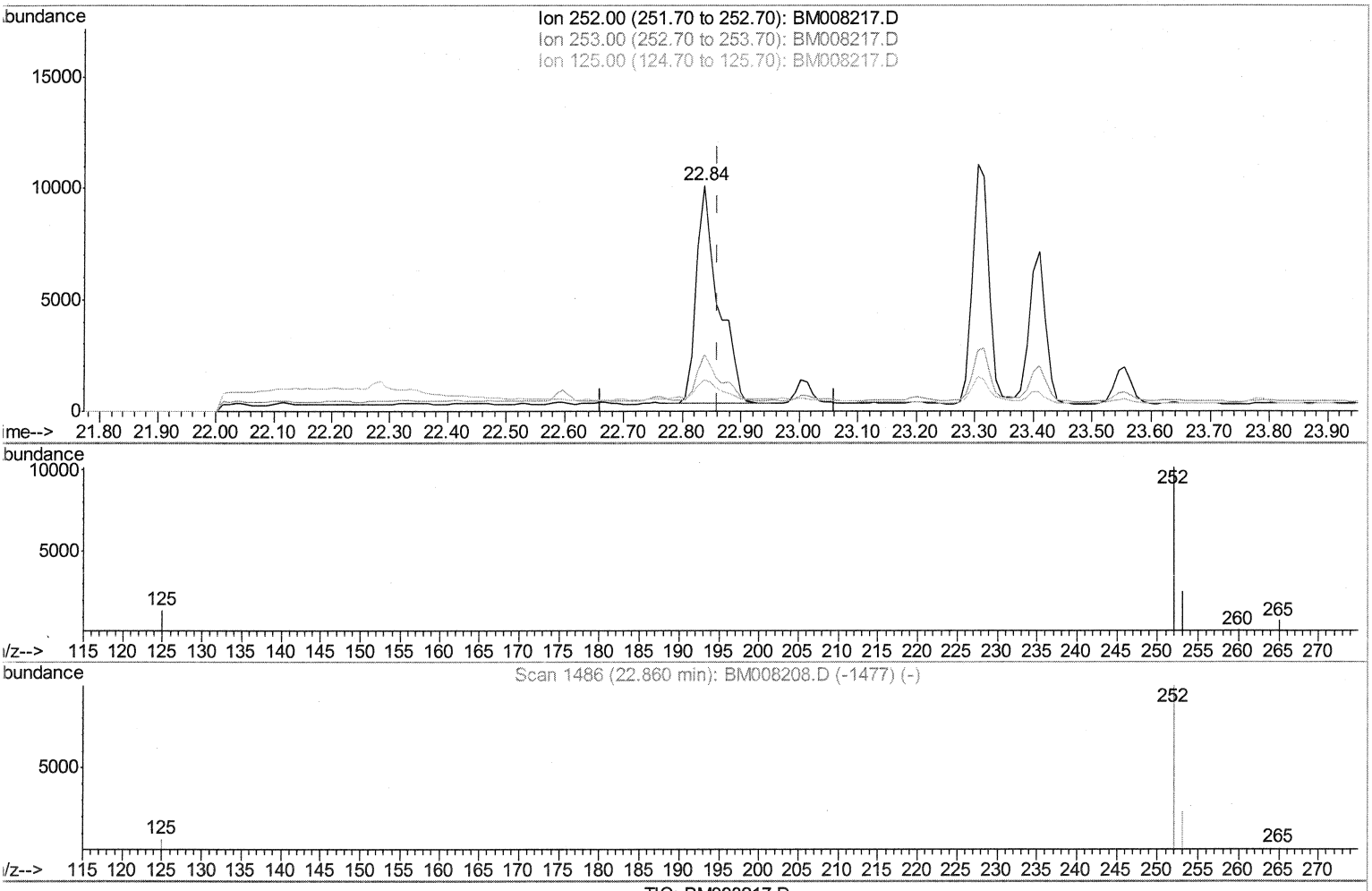
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 04:57:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 04:37:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM



TIC: BM008217.D

(21) Benzo(b)fluoranthene

22.836min (-0.024) 3.65ng/ul

response 25729

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	25.40
125.00	17.50	13.95
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 04:57:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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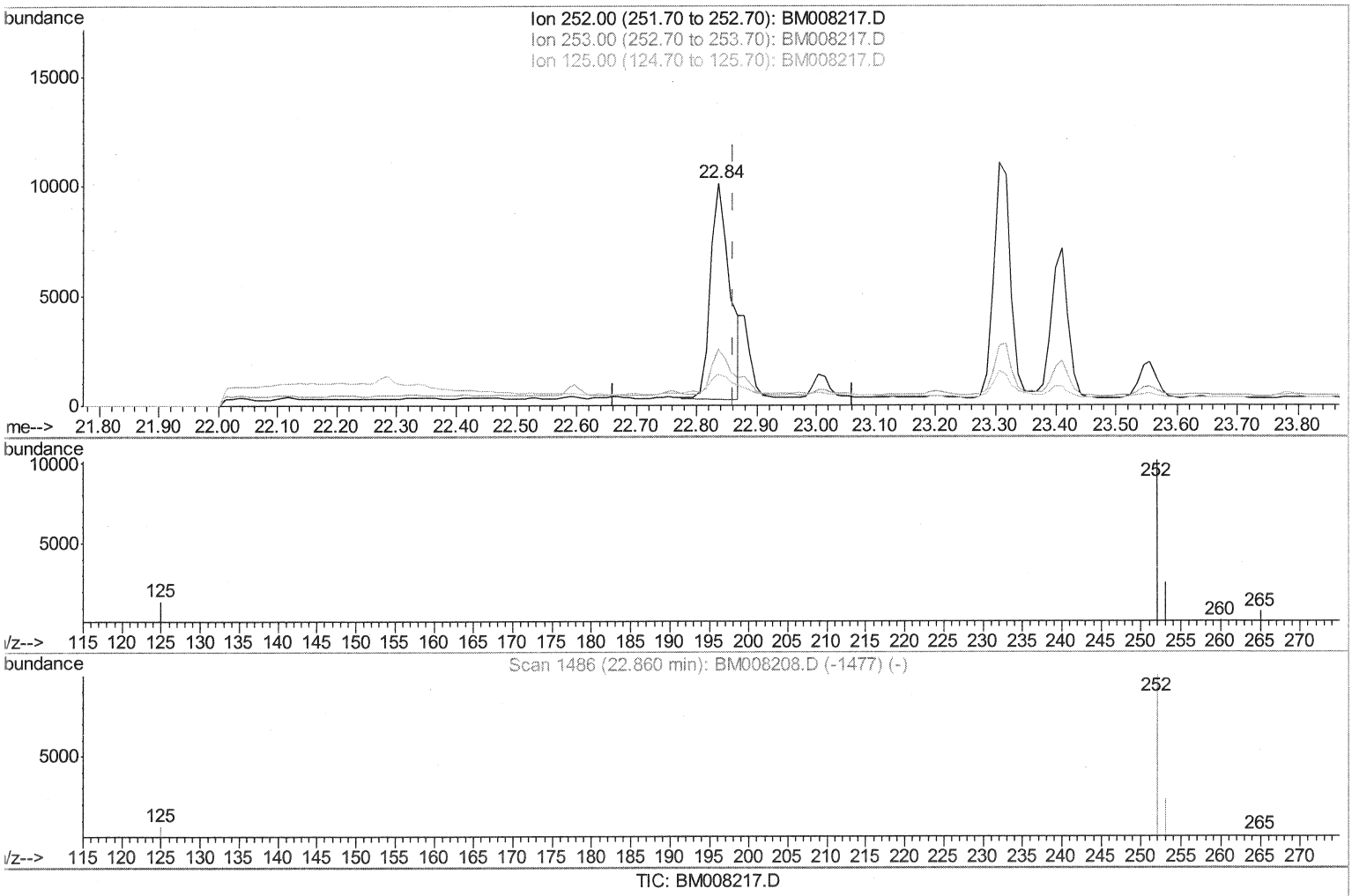
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM



TIC: BM008217.D

(21) Benzo(b)fluoranthene

22.836min (-0.024) 3.13ng/ul m SJ 12/12/16

response 22076

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	25.40
125.00	17.50	13.95
0.00	0.00	0.00

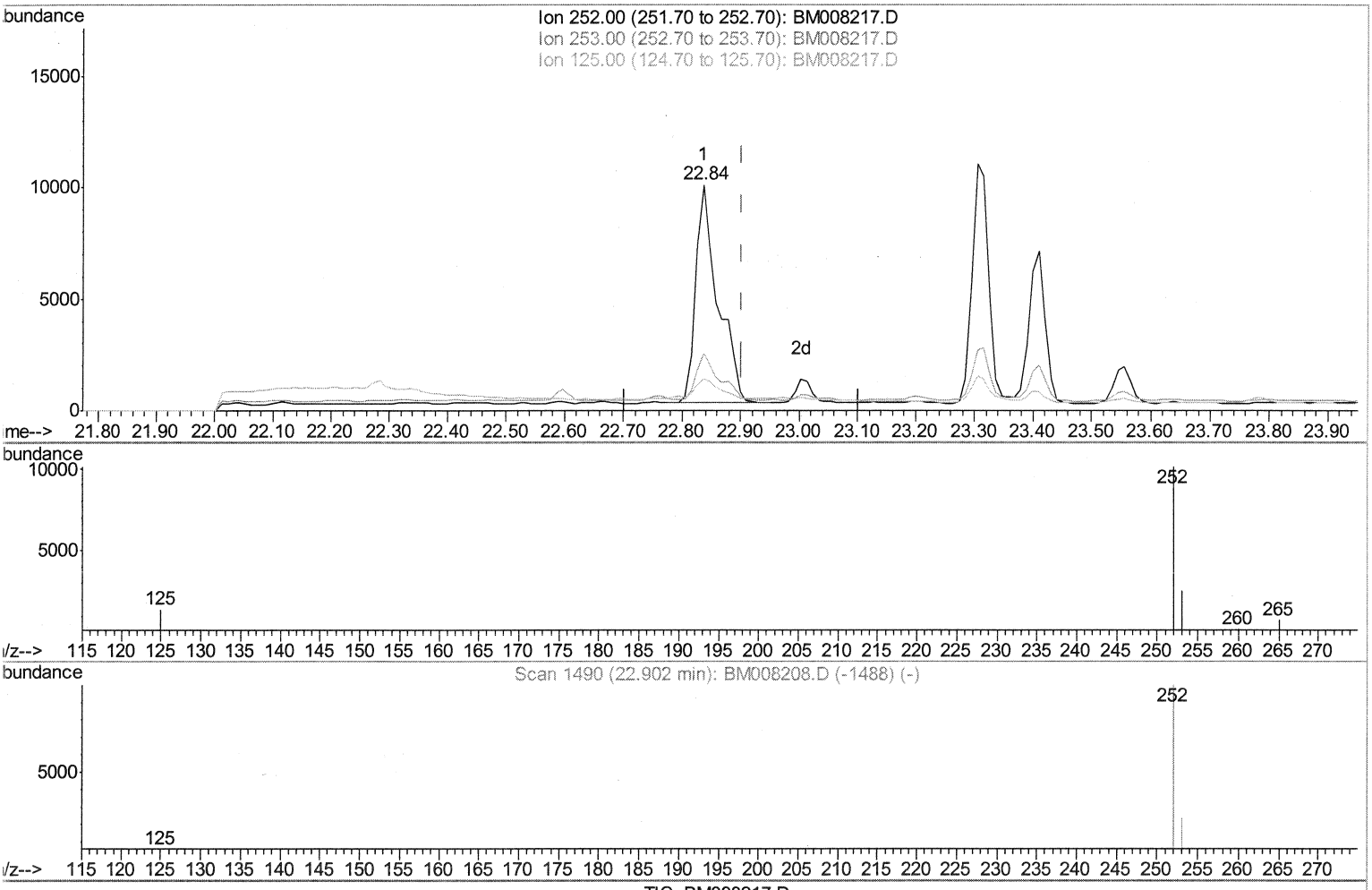
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 04:57:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 04:37:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM



TIC: BM008217.D

(22) Benzo(k)fluoranthene

22.836min (-0.066) 3.54ng/ul

response 25729

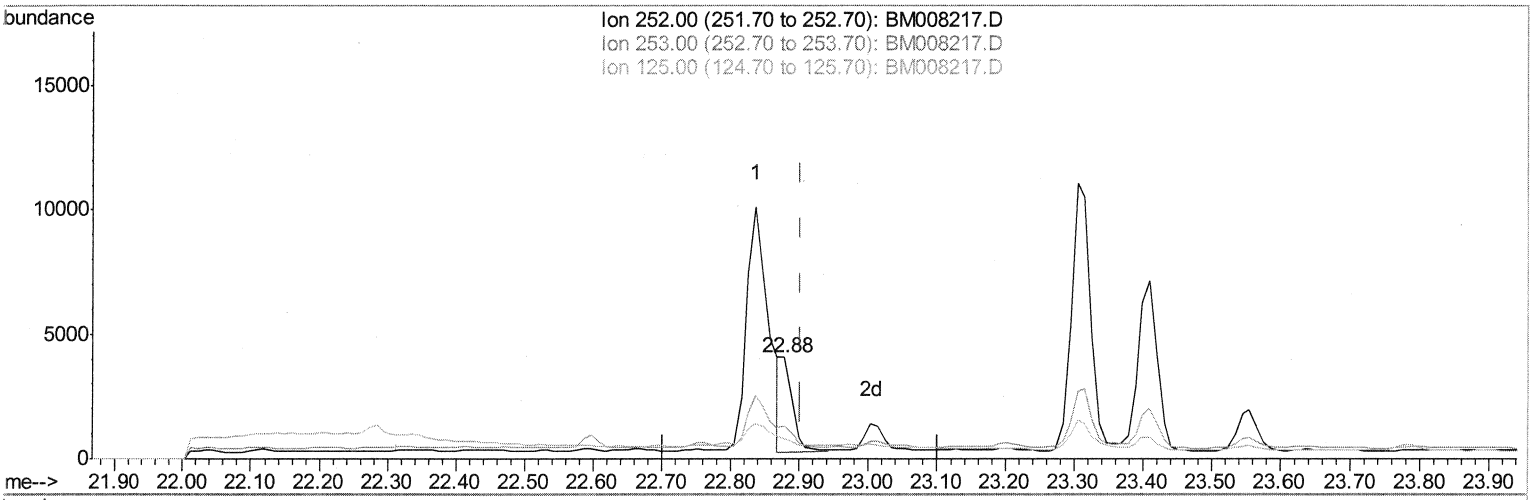
Ion	Exp%	Act%
252.00	100	100
253.00	30.60	25.40
125.00	17.10	13.95
0.00	0.00	0.00

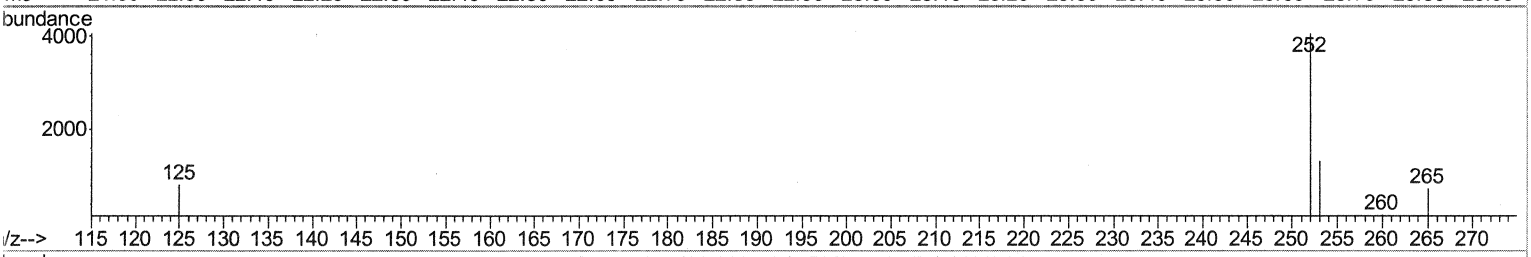
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

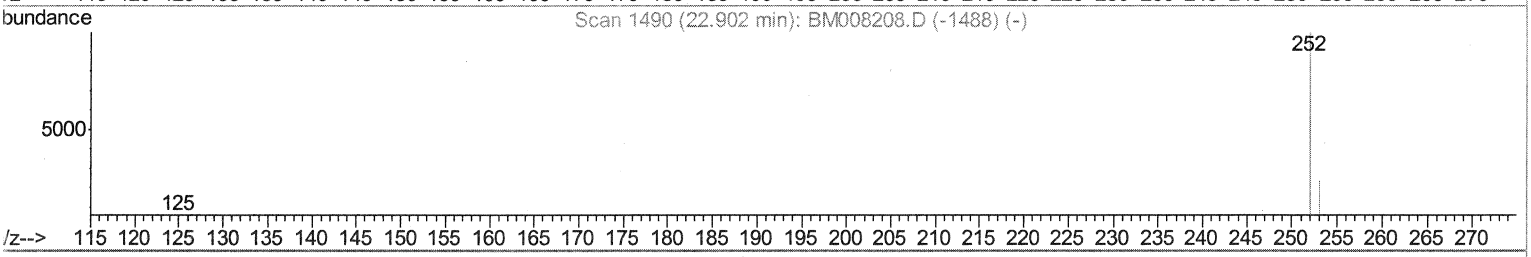
Quant Time: Dec 10 04:57:07 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 04:37:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM







TIC: BM008217.D

(22) Benzo(k)fluoranthene

22.878min (-0.024) 0.60ng/ul m SJ 12/12/16

response 4334

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.75
125.00	17.10	20.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 04:58:07 2016
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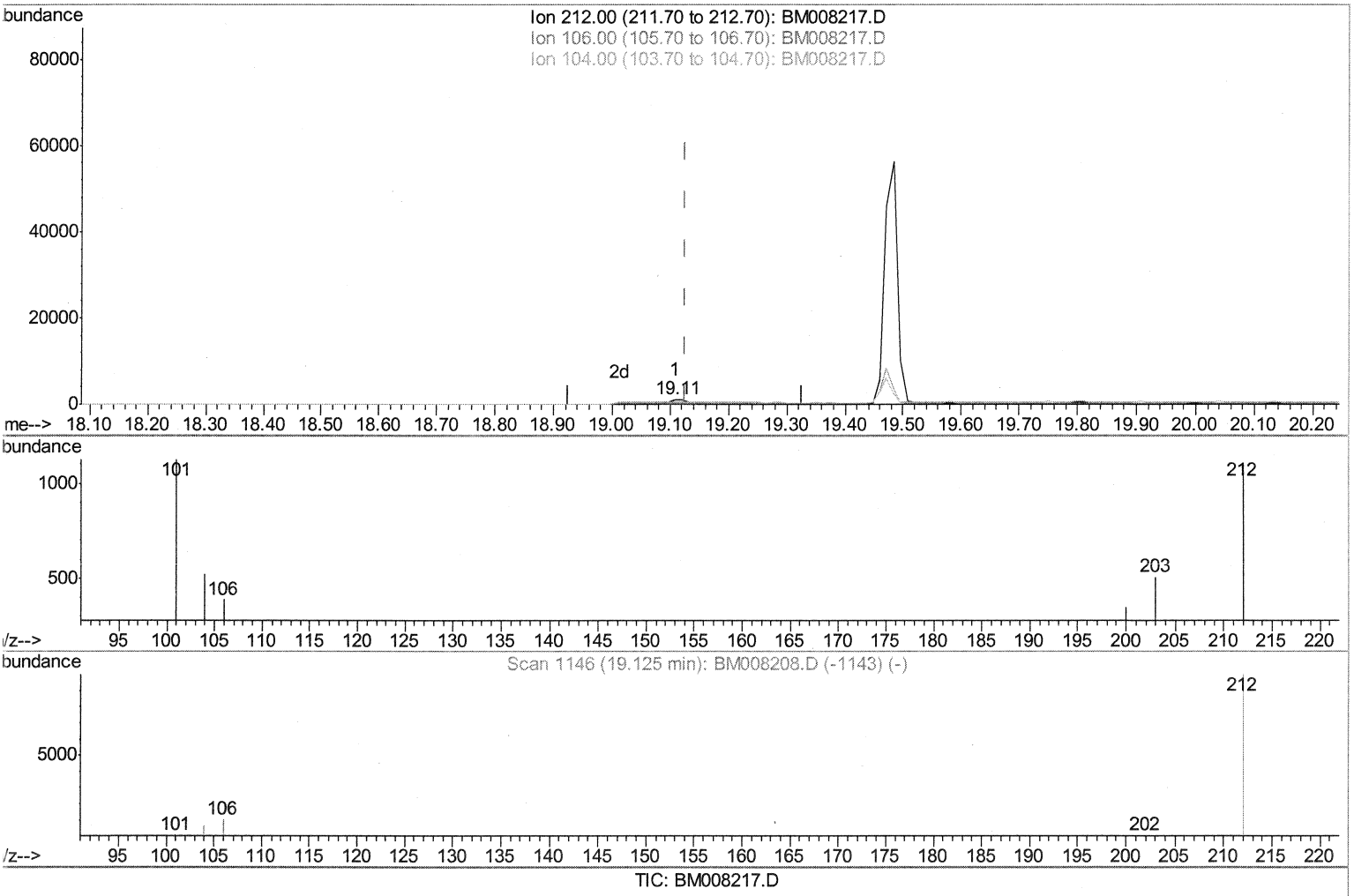
Instrument :
BNA_M
ClientSampleId :
DA7Z7

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM



TIC: BM008217.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.017) 0.57ng/ul

response 2838

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	45.63#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 04:58:07 2016
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BNA_M
ClientSampleId :
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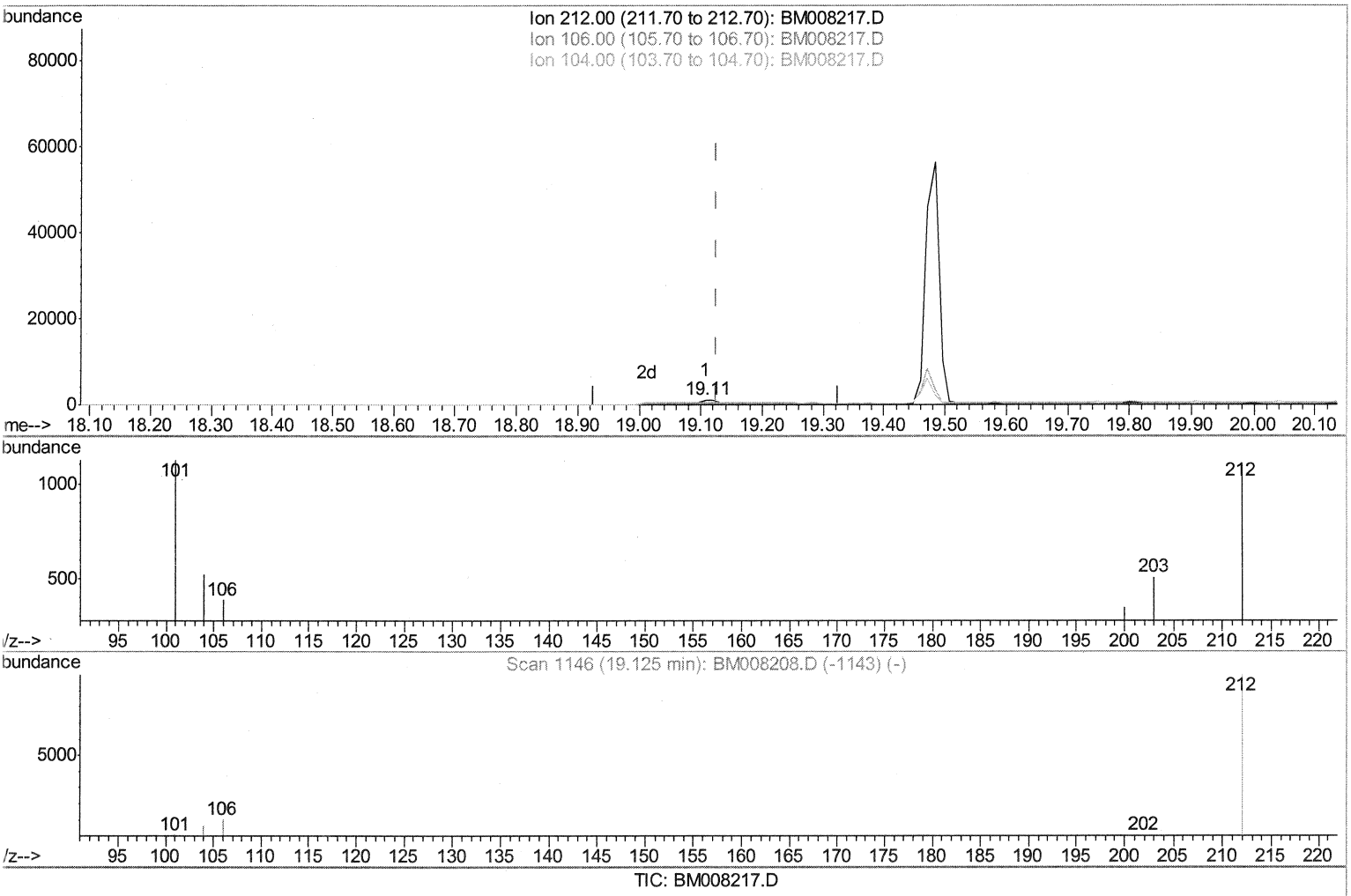
Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:30 PM



(14) Fluoranthene-d10 (SURR)

19.108min (-0.017) 0.35ng/ul m SJ 12/12/16

response 1713

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	75.60#
104.00	15.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008217.D
Acq On : 09 Dec 2016 22:16
Operator : UM/SJ
Sample : H5863-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations APPROVED
UMANGI
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Quant Time: Dec 12 00:04:58 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 10 04:37:00 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	582	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	1867	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1115	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	1745	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1805	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1766	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	585	0.22	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	1713m	0.35	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.51	128	2276	0.44	ng/ul	98
5) 2-Methylnaphthalene	12.12	142	4133	1.23	ng/ul	97
7) Acenaphthylene	14.04	152	1079	0.21	ng/ul#	67
8) Acenaphthene	14.38	153	541	0.14	ng/ul#	91
9) Fluorene	15.38	166	1425	0.32	ng/ul#	69
12) Phenanthrene	17.11	178	7843	1.44	ng/ul	100
13) Anthracene	17.21	178	2297m	0.45	ng/ul	
15) Fluoranthene	19.14	202	14294	2.04	ng/ul	89
17) Pyrene	19.51	202	15793	2.52	ng/ul	97
18) Benzo(a)anthracene	21.25	228	8392	1.51	ng/ul#	85
19) Chrysene	21.30	228	11213	1.63	ng/ul#	88
21) Benzo(b)fluoranthene	22.84	252	22076m	3.13	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	4334m	0.60	ng/ul	
23) Benzo(a)pyrene	23.41	252	13193	2.00	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.74	276	9485	1.16	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.74	278	3732	0.57	ng/ul#	77
26) Benzo(g,h,i)perylene	26.43	276	14423	1.99	ng/ul#	92

SJ 12/12/16

SJ 12/12/16

SJ 12/12/16

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