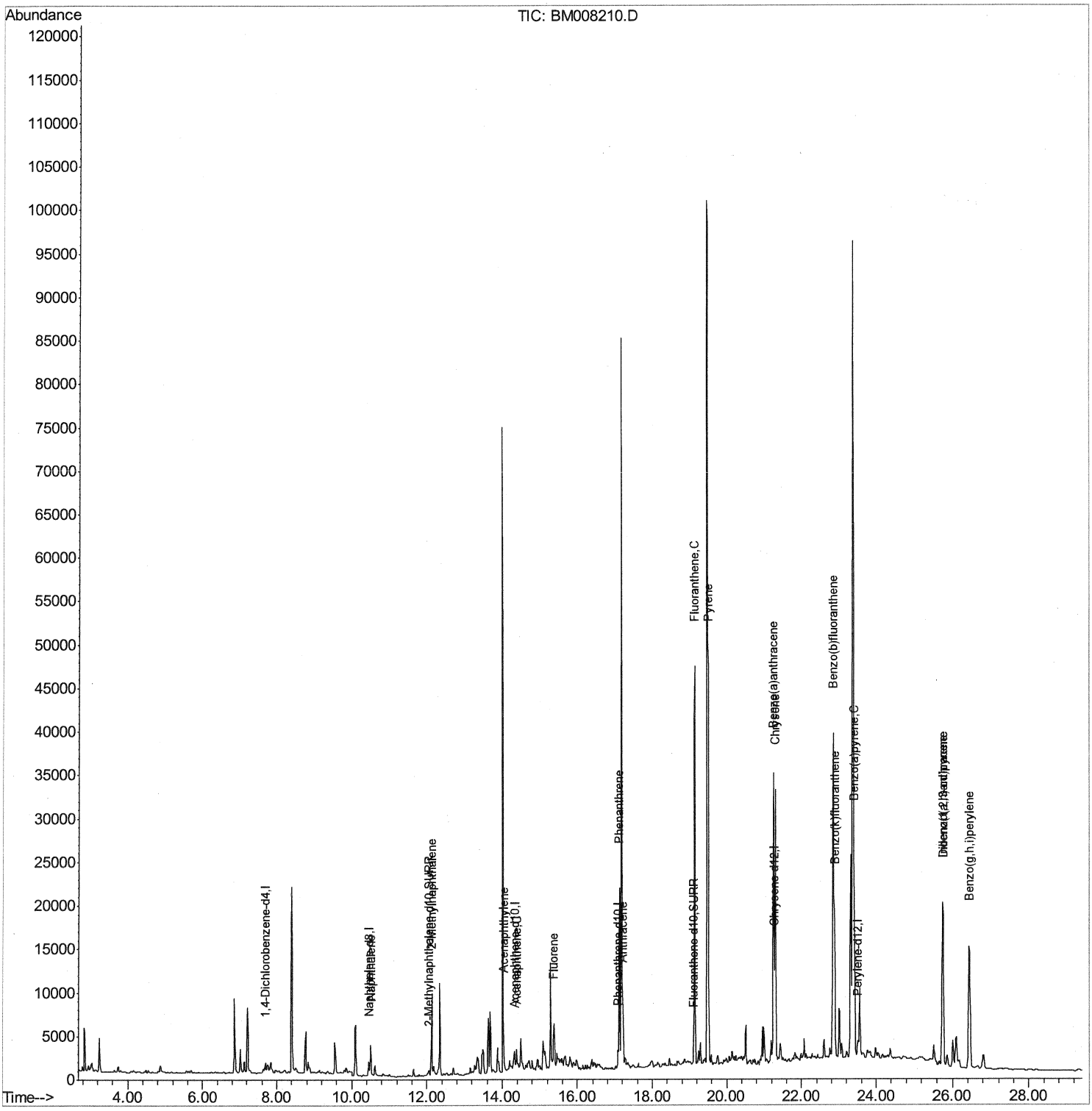
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008210.D
Acq On : 09 Dec 2016 18:04
Operator : UM/SJ
Sample : H5863-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 03:43:25 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 00:42:03 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Y5

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:23 PM



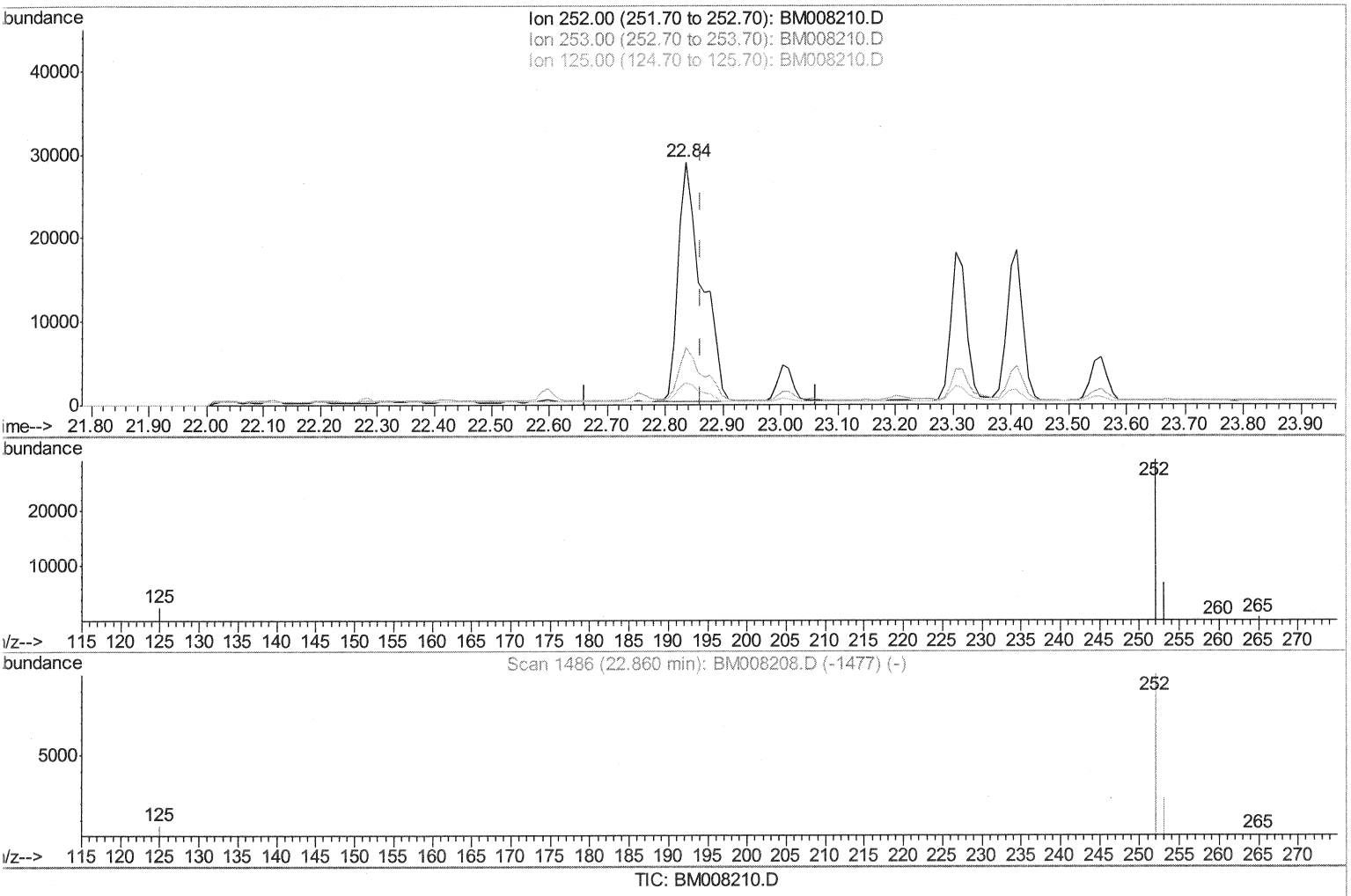
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008210.D
Acq On : 09 Dec 2016 18:04
Operator : UM/SJ
Sample : H5863-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 00:44:41 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 00:42:03 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Y5

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:23 PM



(21) Benzo(b)fluoranthene

22.836min (-0.024) 8.44ng/ul

response 81066

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.81
125.00	17.50	9.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
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Acq On : 09 Dec 2016 18:04
Operator : UM/SJ
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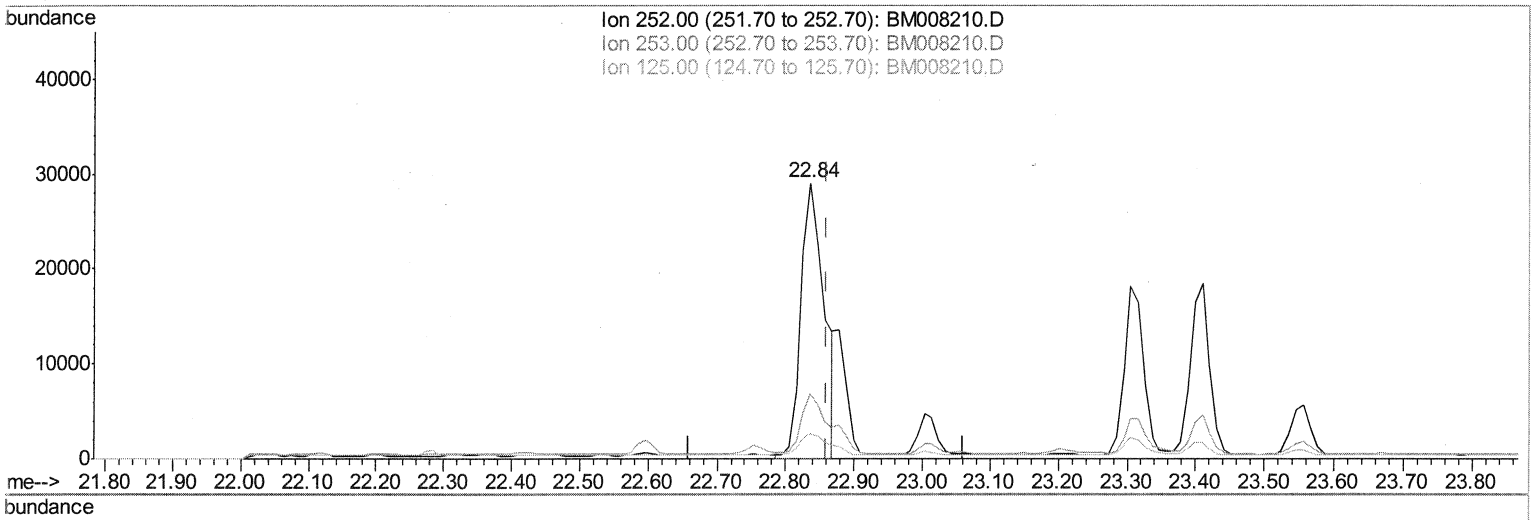
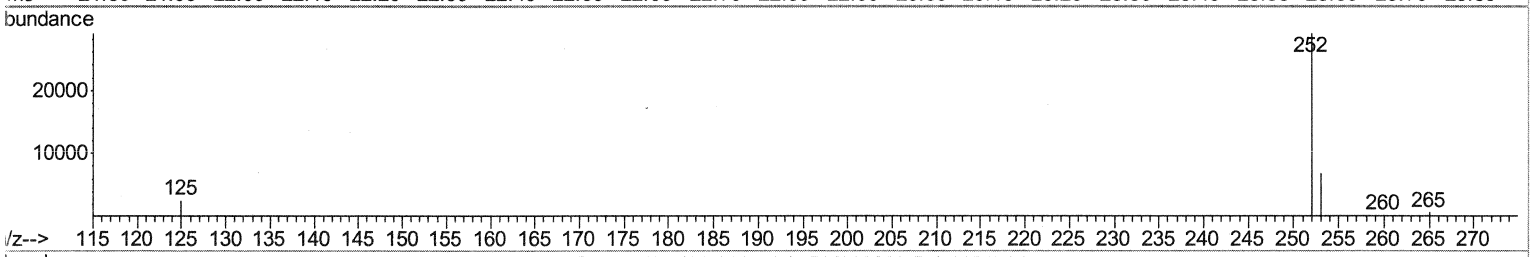
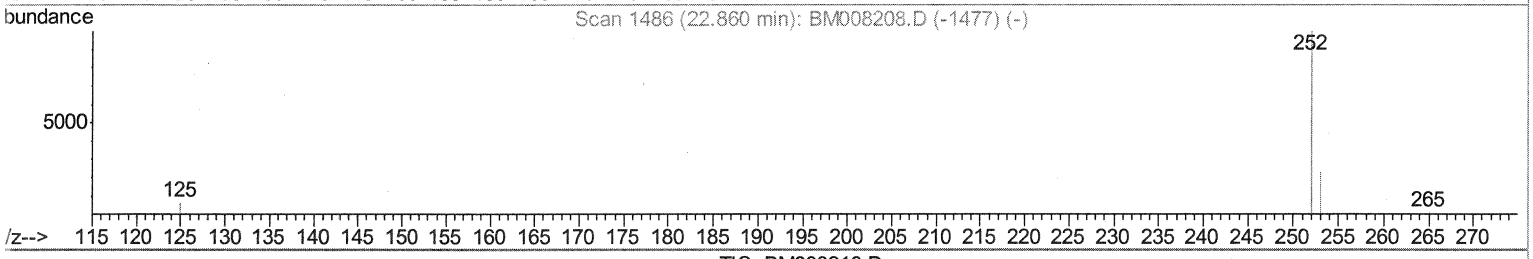
Instrument :
BNA_M
ClientSampleId :
DA7Y5

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:23 PM







TIC: BM008210.D

(21) Benzo(b)fluoranthene

22.836min (-0.024) 7.18ng/ul m SJ 12/12/16

response 69040

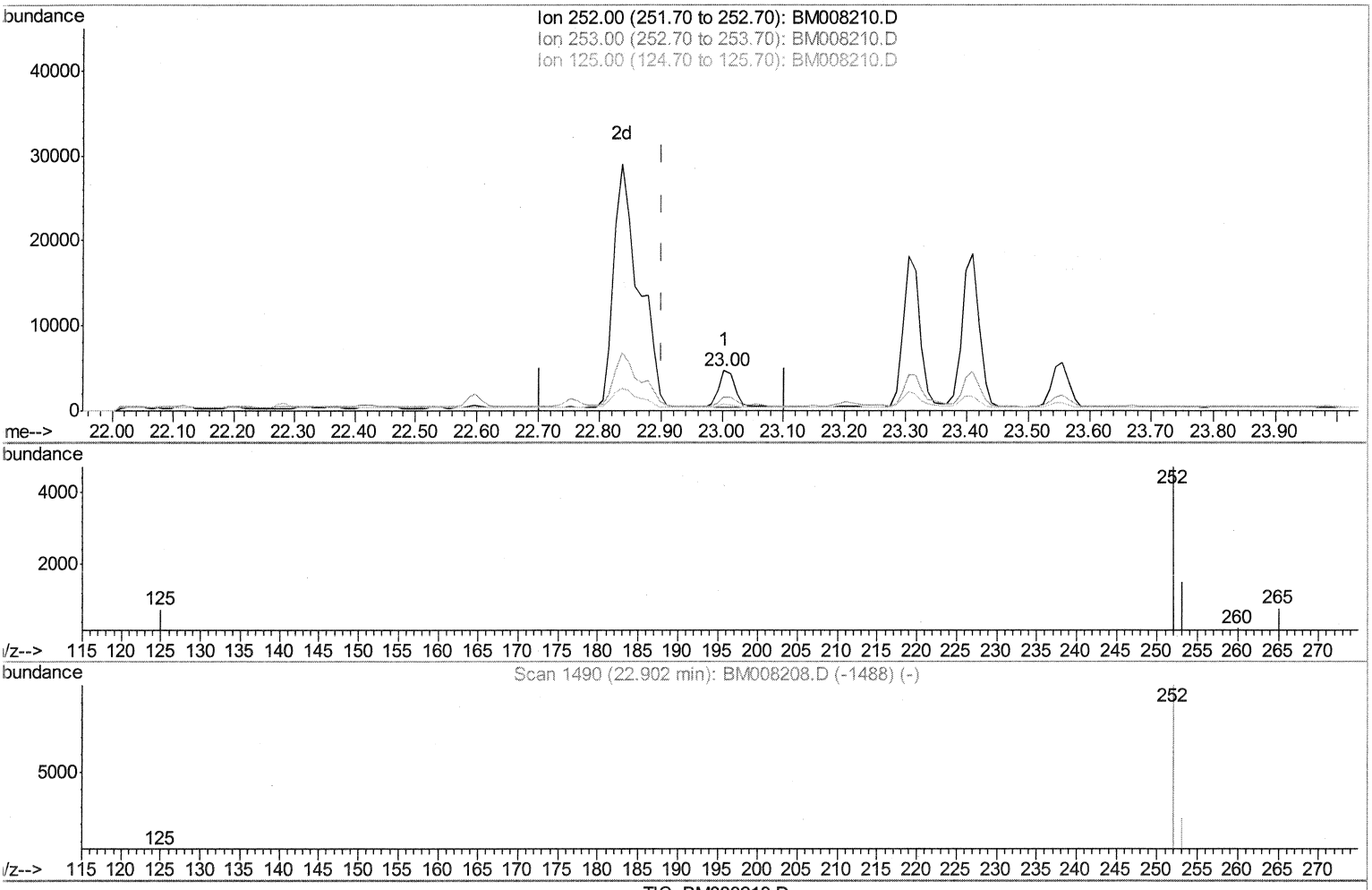
Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.81
125.00	17.50	9.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008210.D
Acq On : 09 Dec 2016 18:04
Operator : UM/SJ
Sample : H5863-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 00:44:41 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 00:42:03 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA7Y5

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:23 PM



TIC: BM008210.D

(22) Benzo(k)fluoranthene

23.003min (+0.101) 0.79ng/ul

response 7877

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	32.48
125.00	17.10	16.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008210.D
Acq On : 09 Dec 2016 18:04
Operator : UM/SJ
Sample : H5863-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 00:44:41 2016
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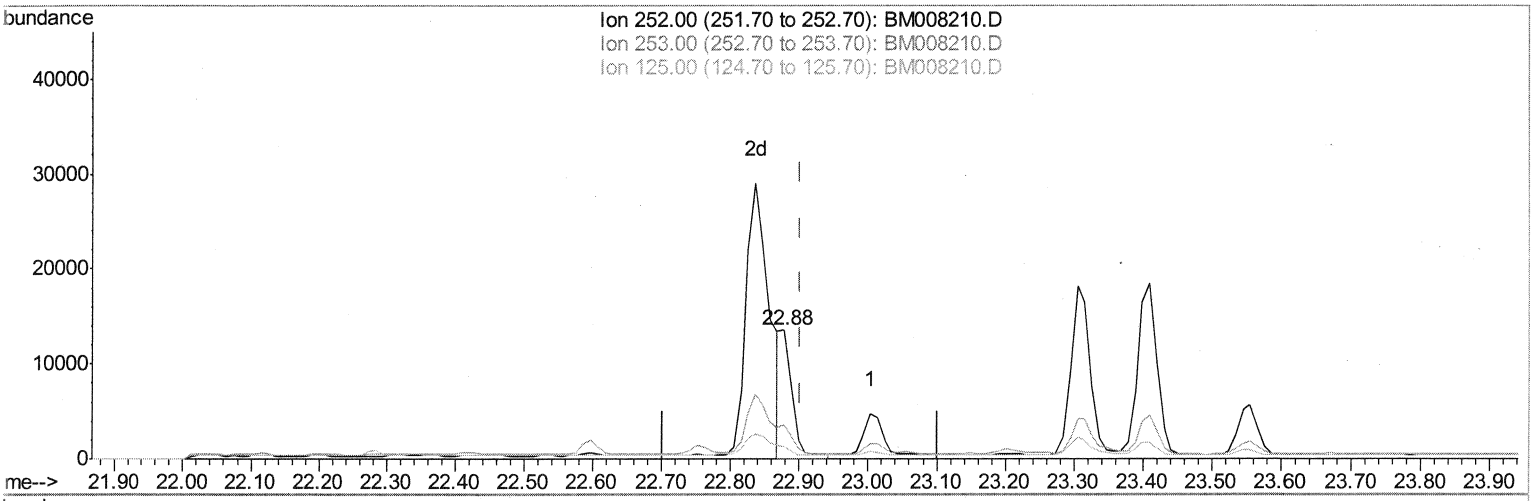
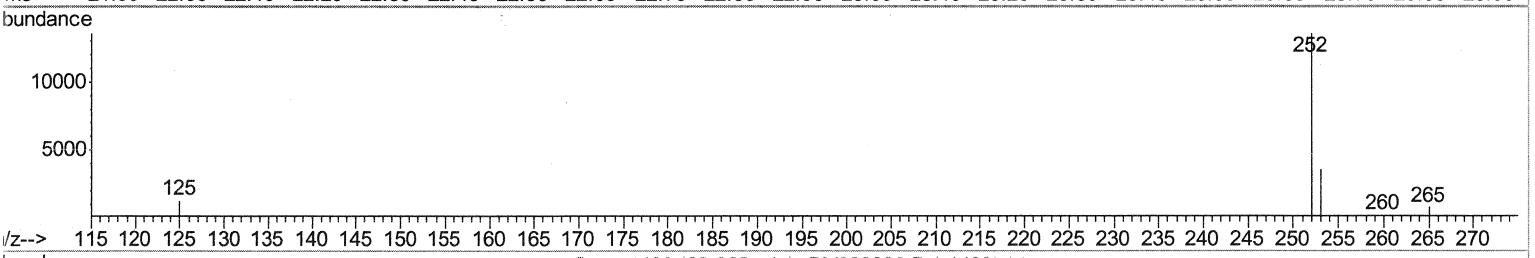
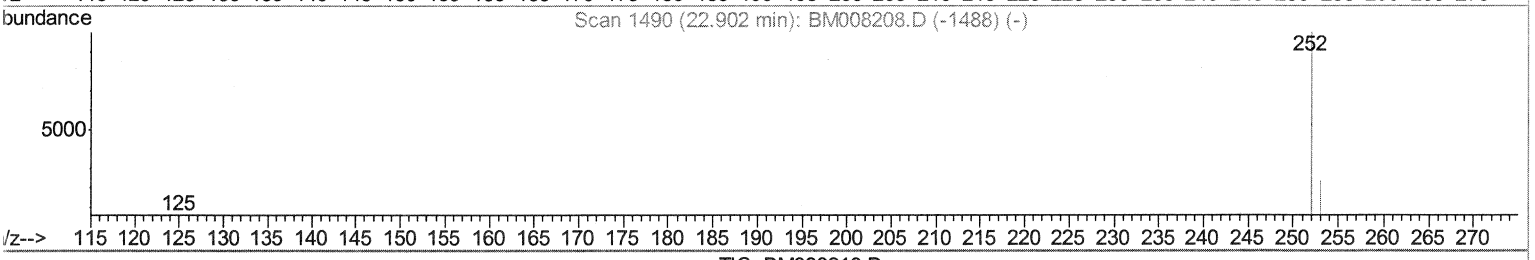
Instrument :
BNA_M
ClientSampleId :
DA7Y5

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:23 PM







TIC: BM008210.D

(22) Benzo(k)fluoranthene

22.878min (-0.024) 1.57ng/ul m SJ 12/12/16

response 15589

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.20
125.00	17.10	9.56#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120916\
Data File : BM008210.D
Acq On : 09 Dec 2016 18:04
Operator : UM/SJ
Sample : H5863-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 10 03:43:25 2016
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Instrument : BNA_M
ClientSampleId : DA7Y5

Manual Integrations APPROVED
UMANGI
12/12/2016 6:49:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	716	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	2296	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.33	164	1458	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	2491	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2680	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	2408	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	745	0.23	ng/ul	-0.04
14) Fluoranthene-d10	19.11	212	3367	0.48	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.51	128	4983	0.78	ng/ul	98
5) 2-Methylnaphthalene	12.13	142	7338	1.77	ng/ul	98
7) Acenaphthylene	14.04	152	5573	0.84	ng/ul#	95
8) Acenaphthene	14.38	153	1385	0.28	ng/ul	96
9) Fluorene	15.38	166	3979	0.69	ng/ul#	81
12) Phenanthrene	17.11	178	23438	3.02	ng/ul	97
13) Anthracene	17.21	178	10502	1.44	ng/ul	95
15) Fluoranthene	19.14	202	51124	5.10	ng/ul	95
17) Pyrene	19.51	202	46920	5.04	ng/ul	96
18) Benzo(a)anthracene	21.25	228	31062	3.78	ng/ul	97
19) Chrysene	21.30	228	33513	3.28	ng/ul	94
21) Benzo(b)fluoranthene	22.84	252	69040m	7.18	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	15589m	1.57	ng/ul	
23) Benzo(a)pyrene	23.41	252	34657	3.85	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.74	276	31493	2.83	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.74	278	8669	0.97	ng/ul	98
26) Benzo(g,h,i)perylene	26.43	276	31583	3.20	ng/ul#	90

SJ 12/12/16

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