

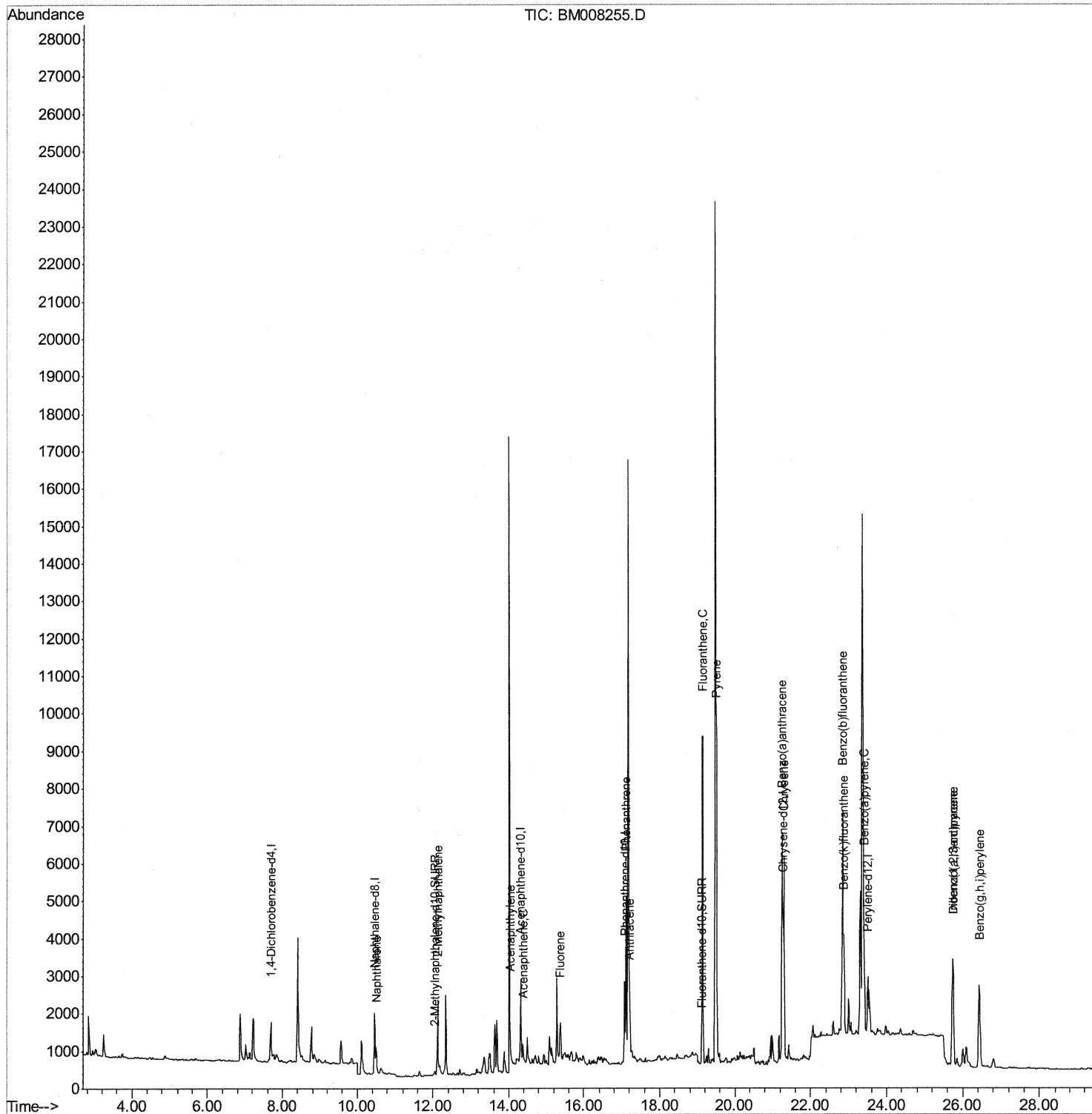
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 07:03:15 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



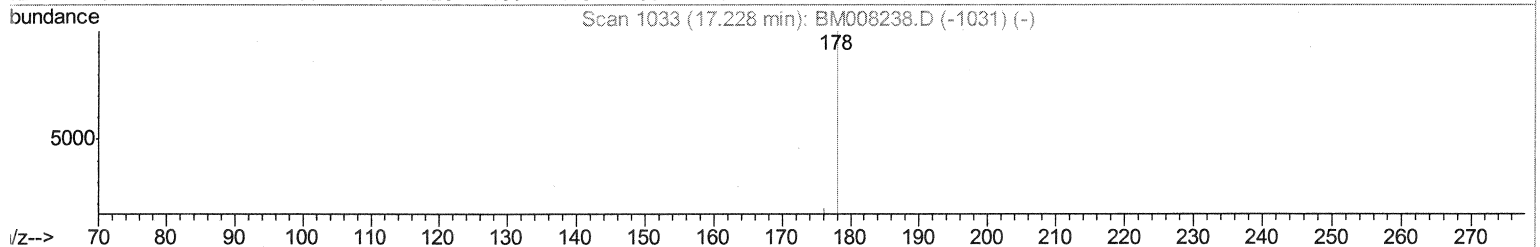
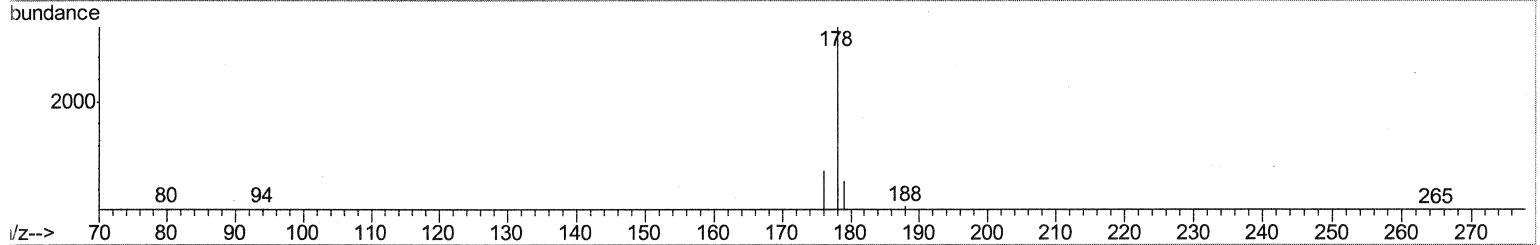
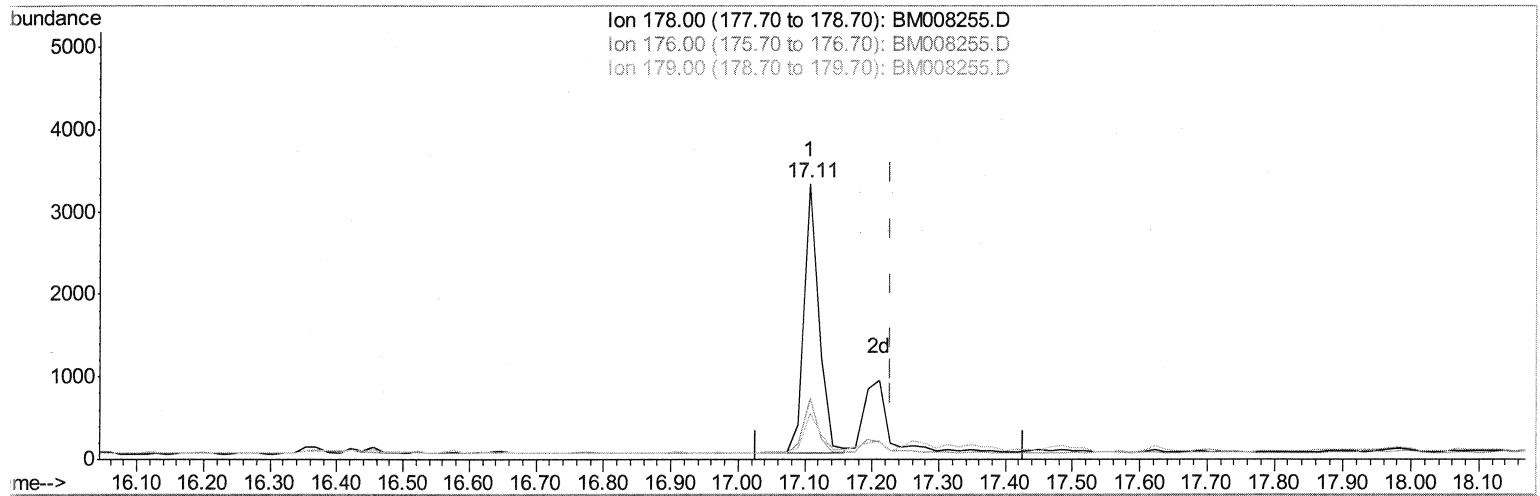
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(13) Anthracene

17.107min (-0.121) 0.61ng/ul

response 5056

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	22.10
179.00	18.40	16.96
0.00	0.00	0.00

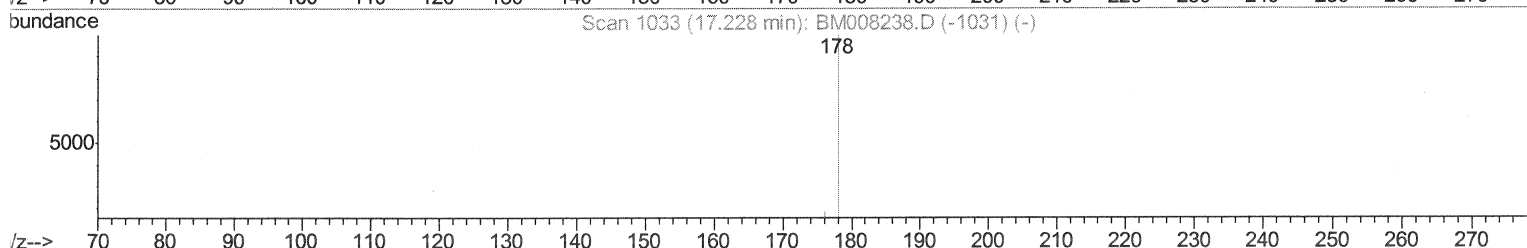
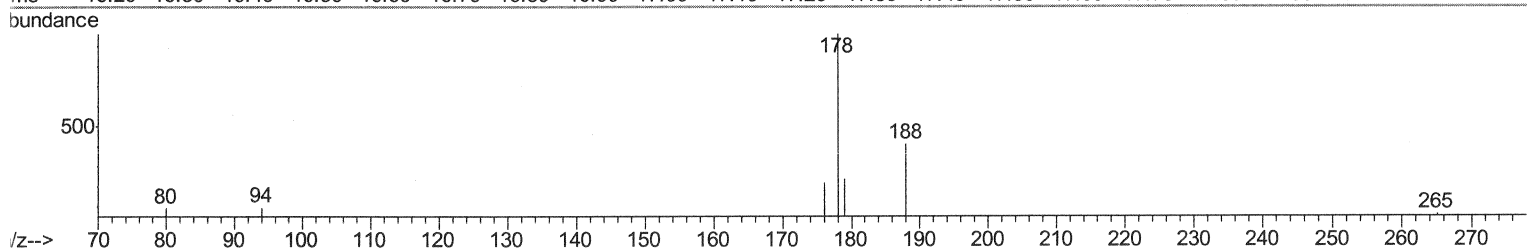
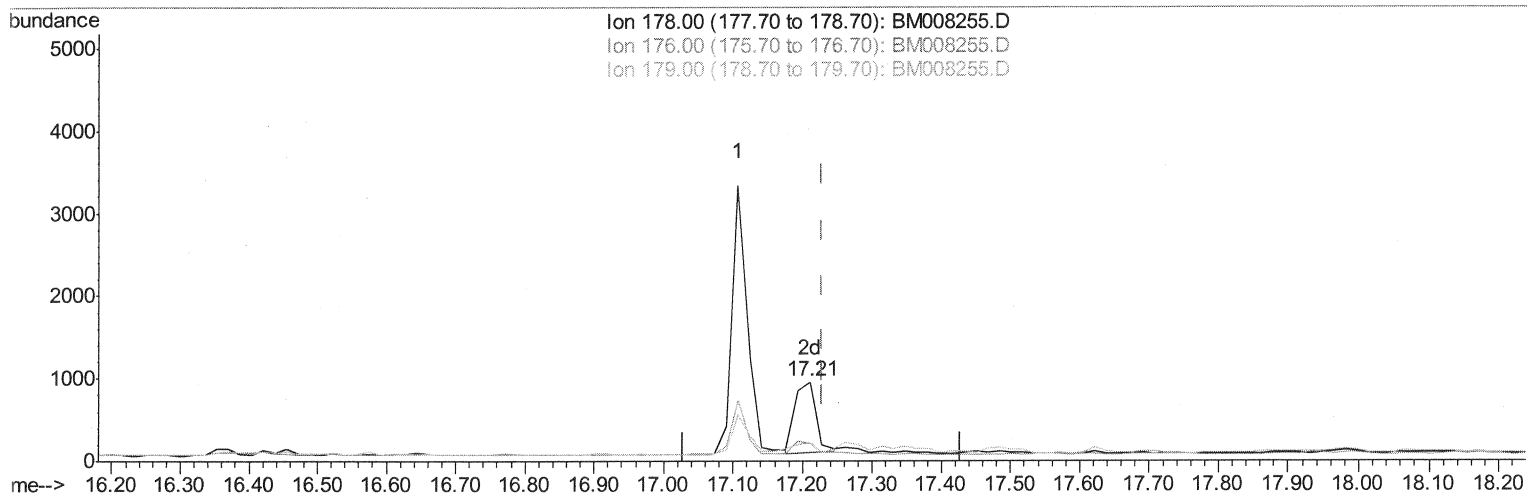
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(13) Anthracene

17.210min (-0.018) 0.21ng/ul m

SJ 12/12/16

response 1771

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	22.58
179.00	18.40	24.25#
0.00	0.00	0.00

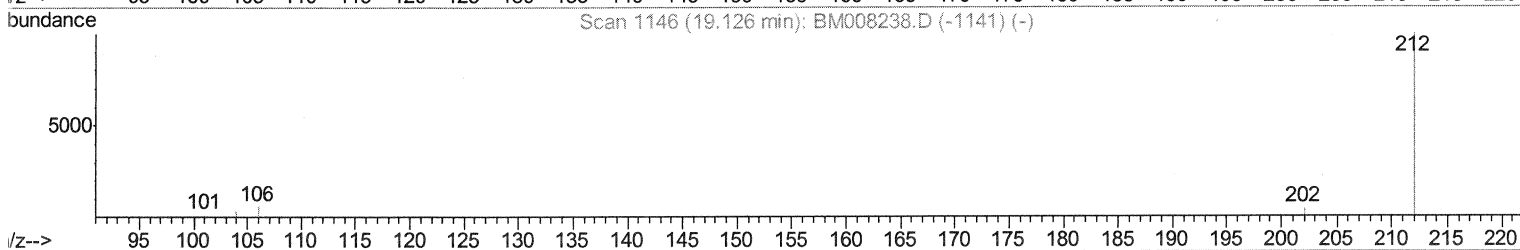
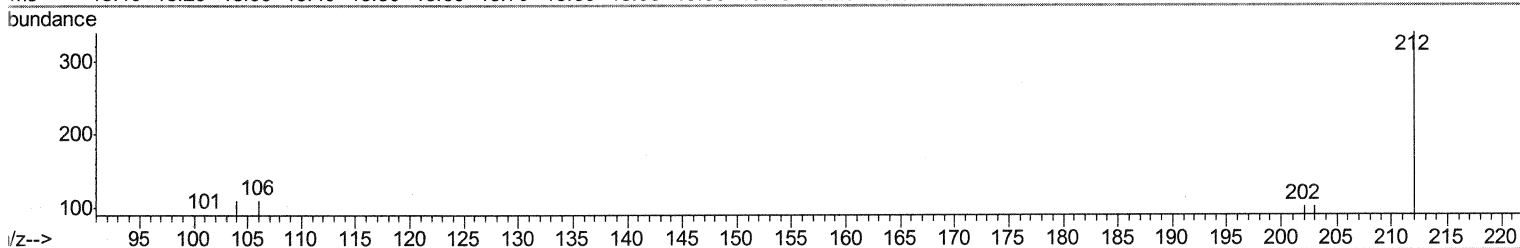
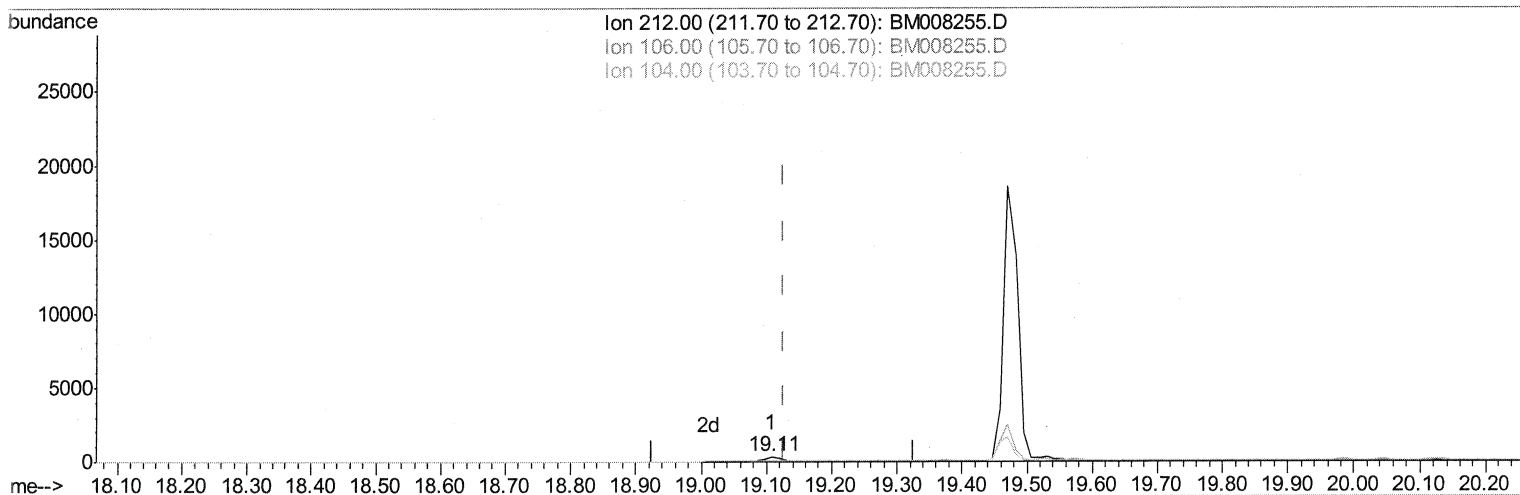
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.018) 0.09ng/ul

response 736

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	42.26#
104.00	15.60	195.52#
0.00	0.00	0.00

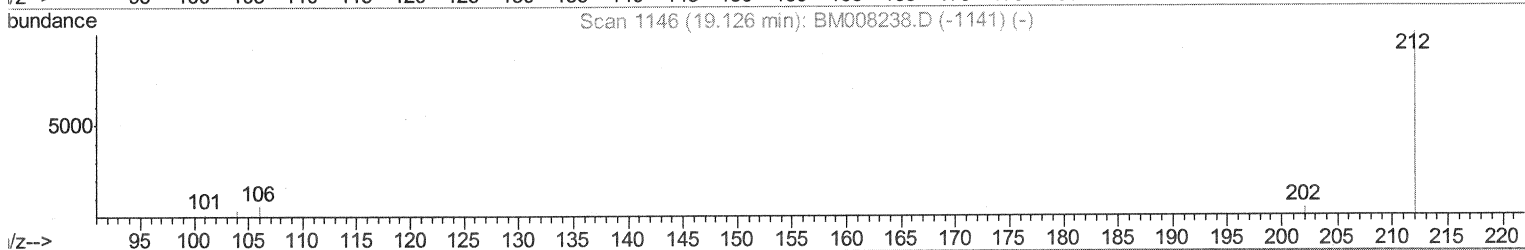
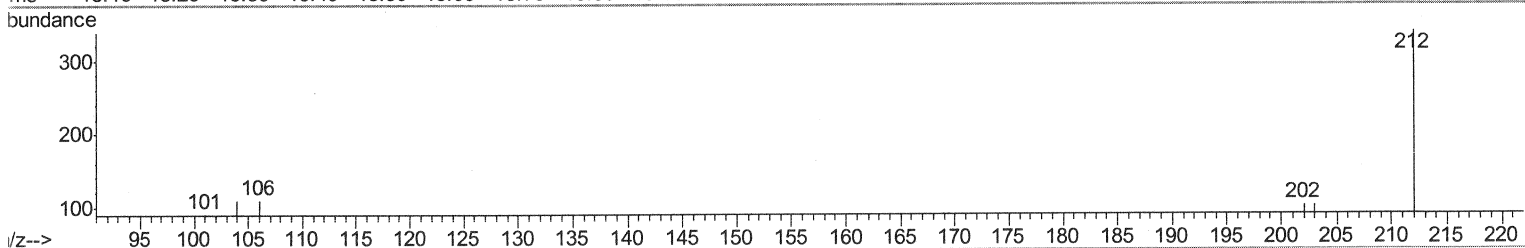
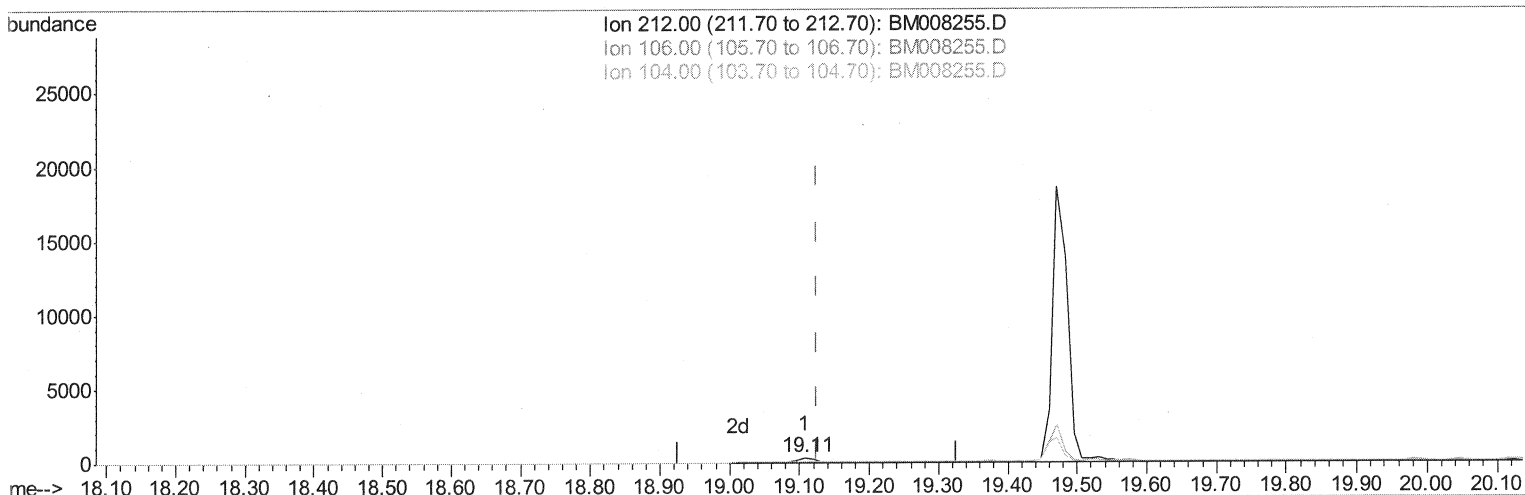
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(14) Fluoranthene-d10 (SURR)

19.108min (-0.018) 0.05ng/ul m

SJ 12/12/16

response 385

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	80.78#
104.00	15.60	373.77#
0.00	0.00	0.00

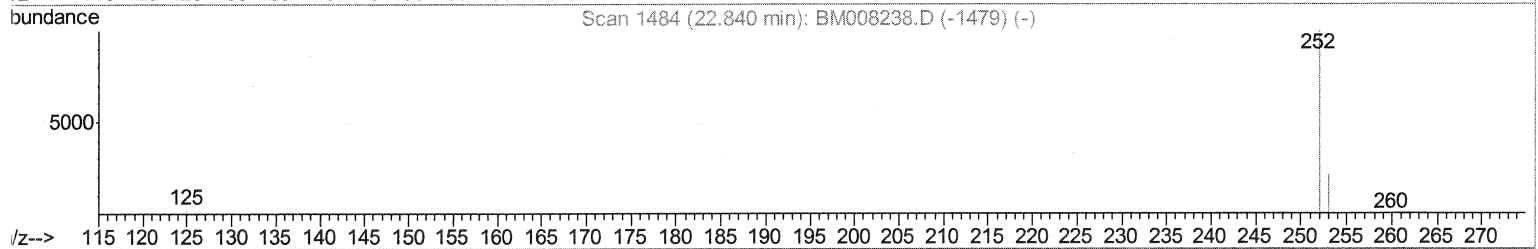
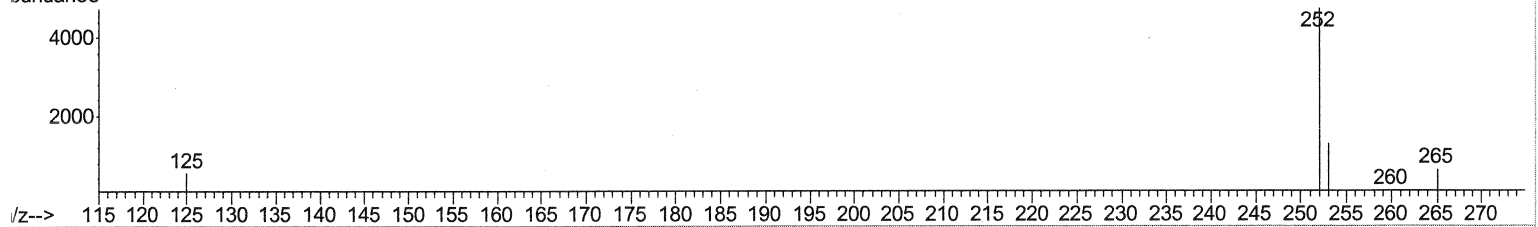
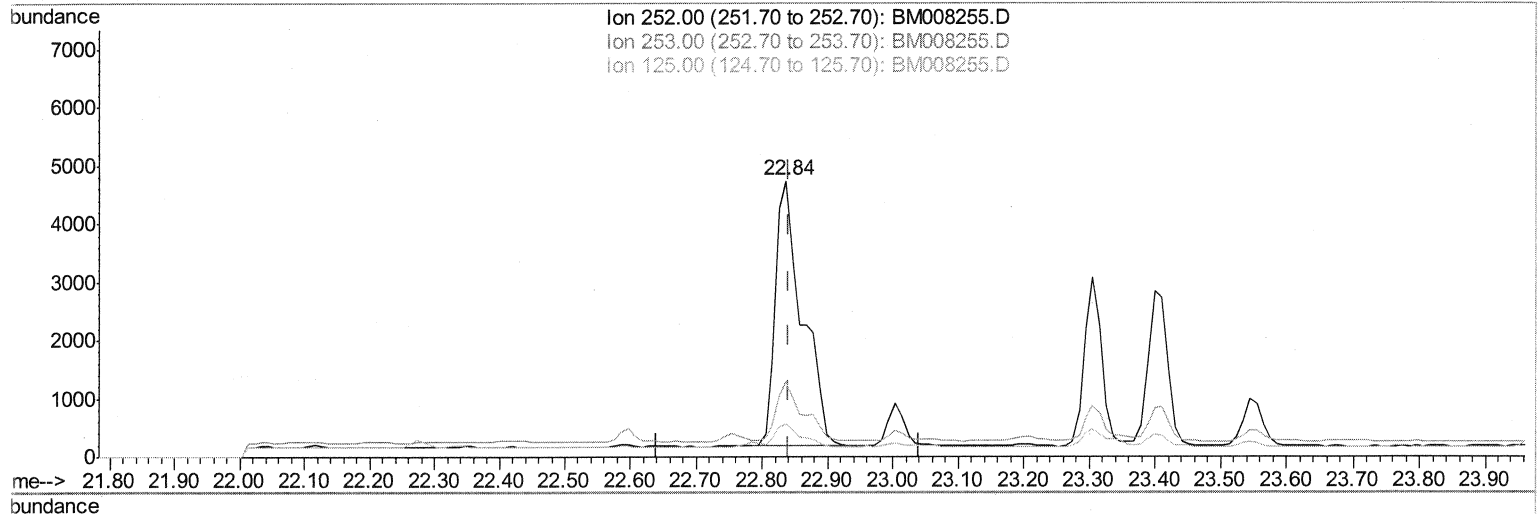
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(21) Benzo(b)fluoranthene

22.836min (-0.004) 1.69ng/ul

response 12981

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	27.45
125.00	17.50	11.63
0.00	0.00	0.00

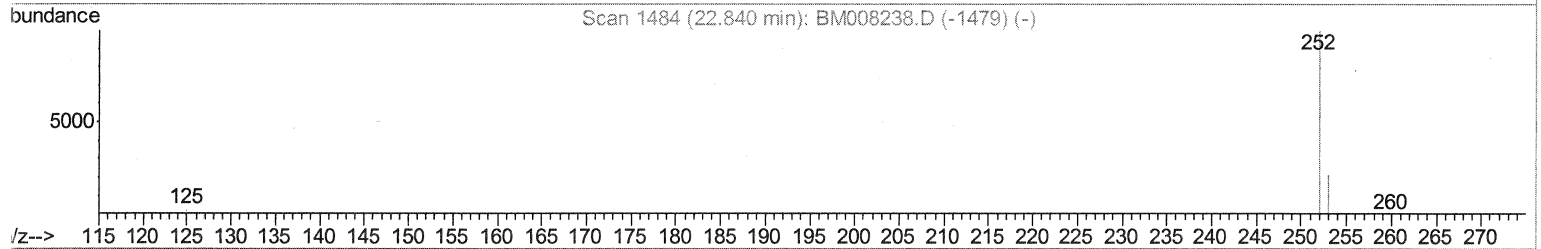
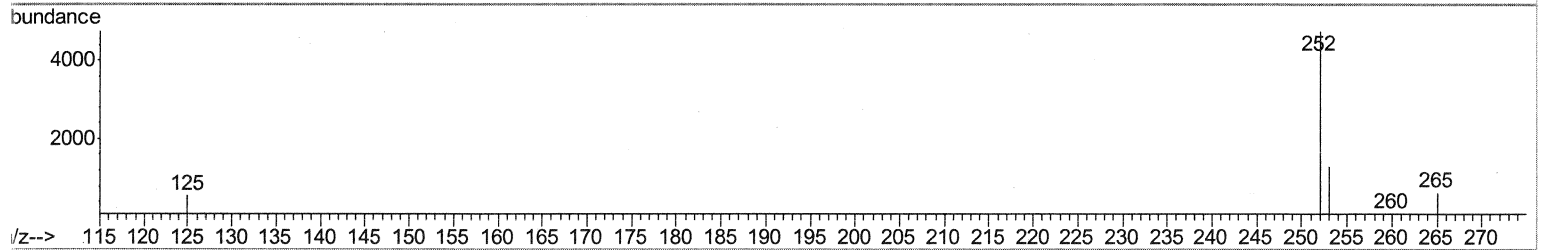
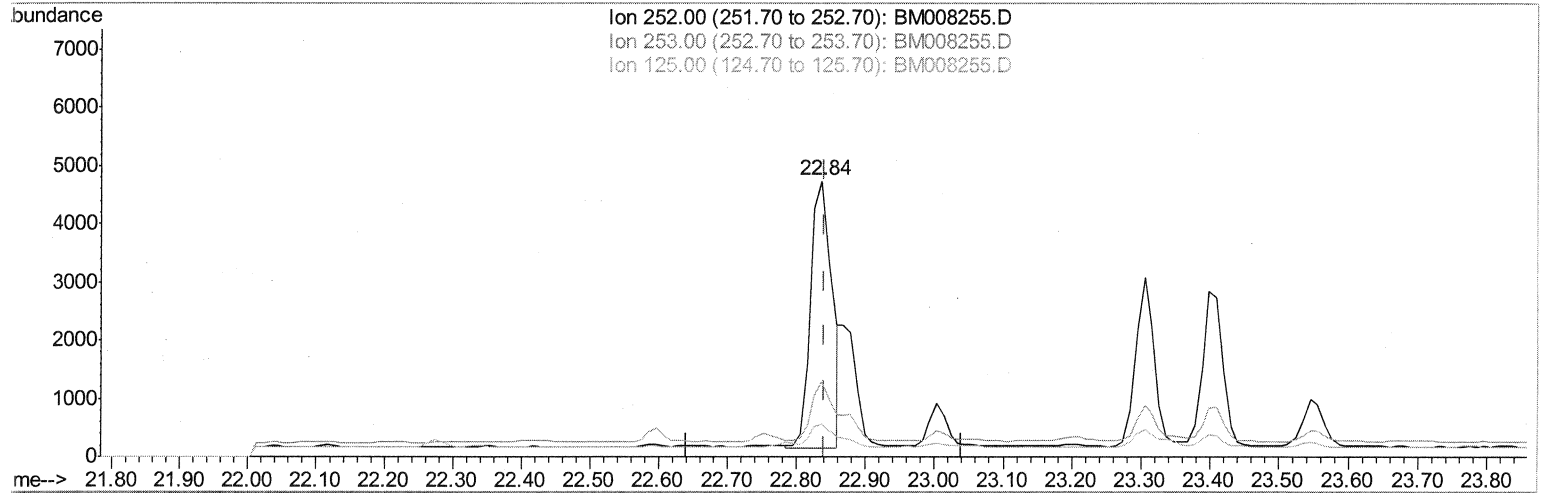
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(21) Benzo(b)fluoranthene

22.836min (-0.004) 1.28ng/ul m

SJ 12/12/16

response 9809

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	27.45
125.00	17.50	11.63
0.00	0.00	0.00

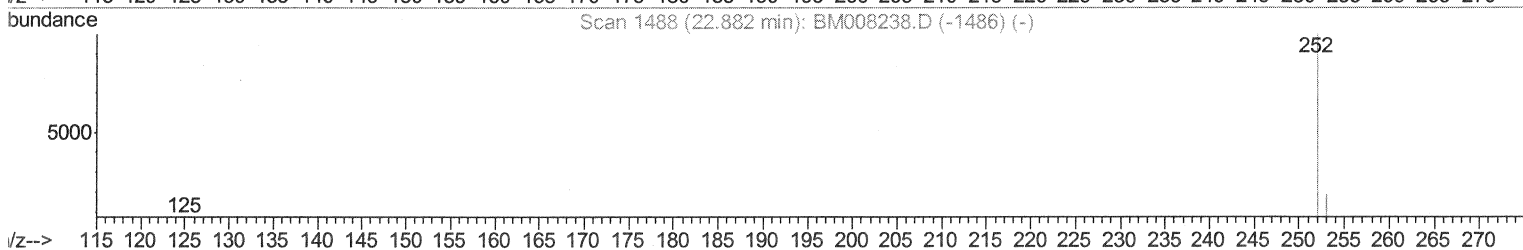
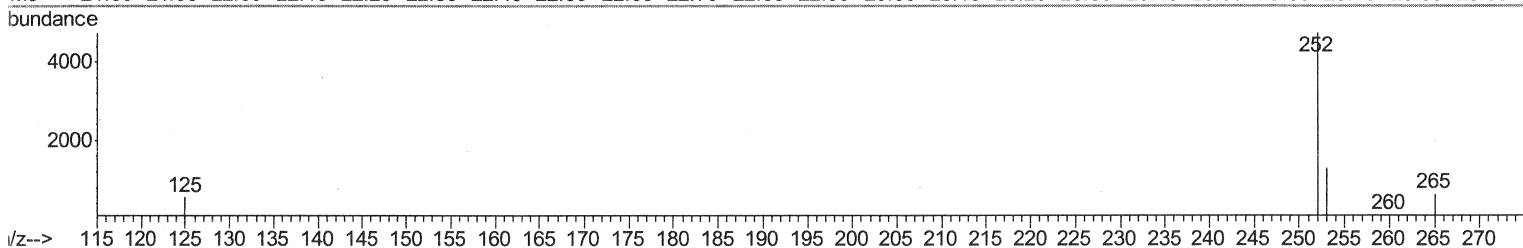
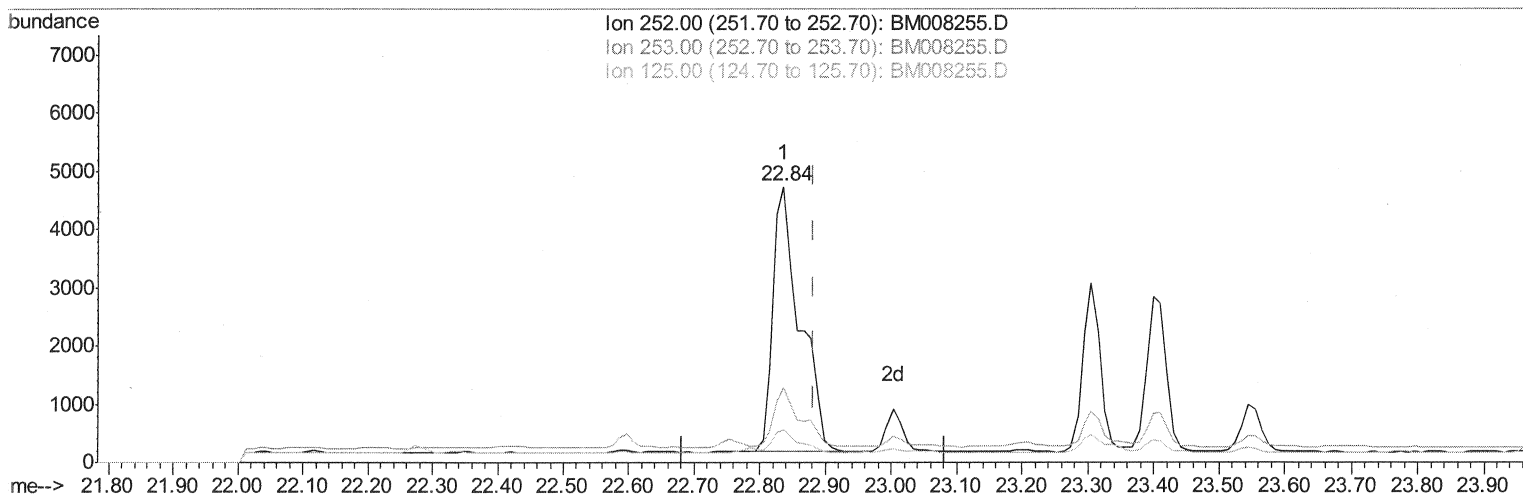
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008255.D
Acq On : 11 Dec 2016 04:52
Operator : UM/SJ
Sample : H5863-06DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y5DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(22) Benzo(k)fluoranthene

22.836min (-0.046) 1.64ng/ul

response 12981

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	27.45
125.00	17.10	11.63#
0.00	0.00	0.00

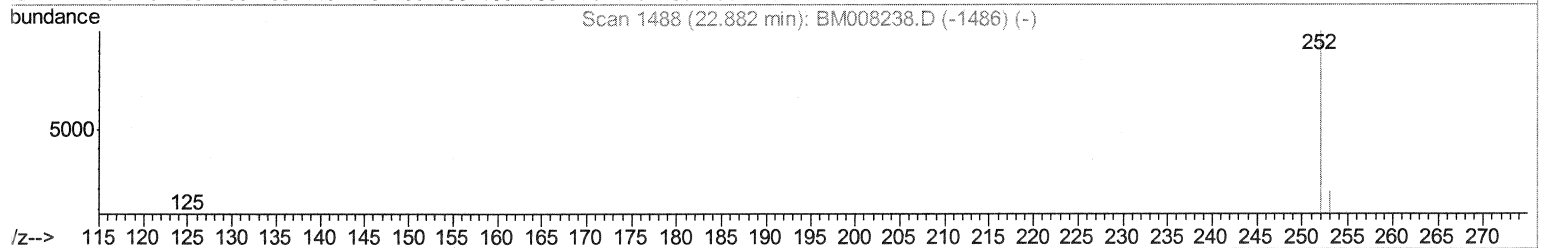
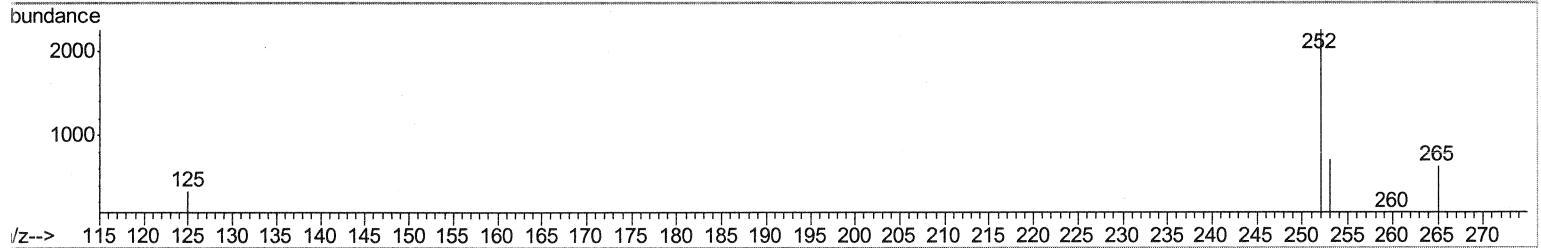
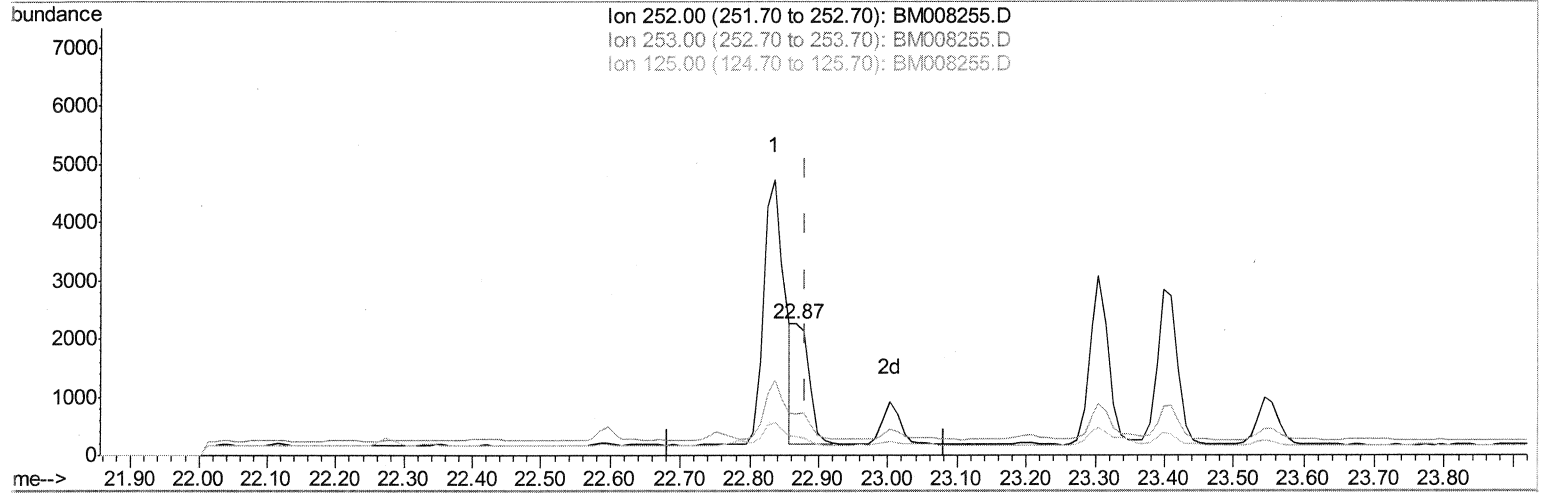
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008255.D
 Acq On : 11 Dec 2016 04:52
 Operator : UM/SJ
 Sample : H5863-06DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y5DL

Manual Integrations
 APPROVED

UMANGI
 12/12/2016 6:50:43 PM

Quant Time: Dec 12 06:47:44 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



TIC: BM008255.D

(22) Benzo(k)fluoranthene

22.867min (-0.014) 0.41ng/ul m *SJ 12/12/16*

response 3229

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	31.52
125.00	17.10	14.58
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008255.D
 Acq On : 11 Dec 2016 04:52
 Operator : UM/SJ
 Sample : H5863-06DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA7Y5DL

Manual Integrations
 APPROVED

UMANGI
 12/12/2016 6:50:43 PM

Quant Time: Dec 12 07:03:15 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	708	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2441	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1507	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2840	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	2182	0.40	ng/ul	-0.01
20) Perylene-d12	23.50	264	1920	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	154	0.04	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	385m	0.05	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	1055	0.15	ng/ul#	88
5) 2-Methylnaphthalene	12.13	142	1629	0.37	ng/ul	98
7) Acenaphthylene	14.04	152	979	0.14	ng/ul#	81
8) Acenaphthene	14.38	153	331	0.06	ng/ul	93
9) Fluorene	15.38	166	869	0.15	ng/ul#	78
12) Phenanthrene	17.11	178	5094	0.58	ng/ul	99
13) Anthracene	17.21	178	1771m	0.21	ng/ul	
15) Fluoranthene	19.14	202	10805	0.95	ng/ul	94
17) Pyrene	19.51	202	9655	1.27	ng/ul	96
18) Benzo(a)anthracene	21.25	228	5450	0.81	ng/ul	97
19) Chrysene	21.30	228	5900	0.71	ng/ul	94
21) Benzo(b)fluoranthene	22.84	252	9809m	1.28	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	3229m	0.41	ng/ul	
23) Benzo(a)pyrene	23.40	252	5423	0.76	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.74	276	4814	0.54	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	1338	0.19	ng/ul#	73
26) Benzo(a,h,i)perylene	26.43	276	4821	0.61	ng/ul#	94

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