

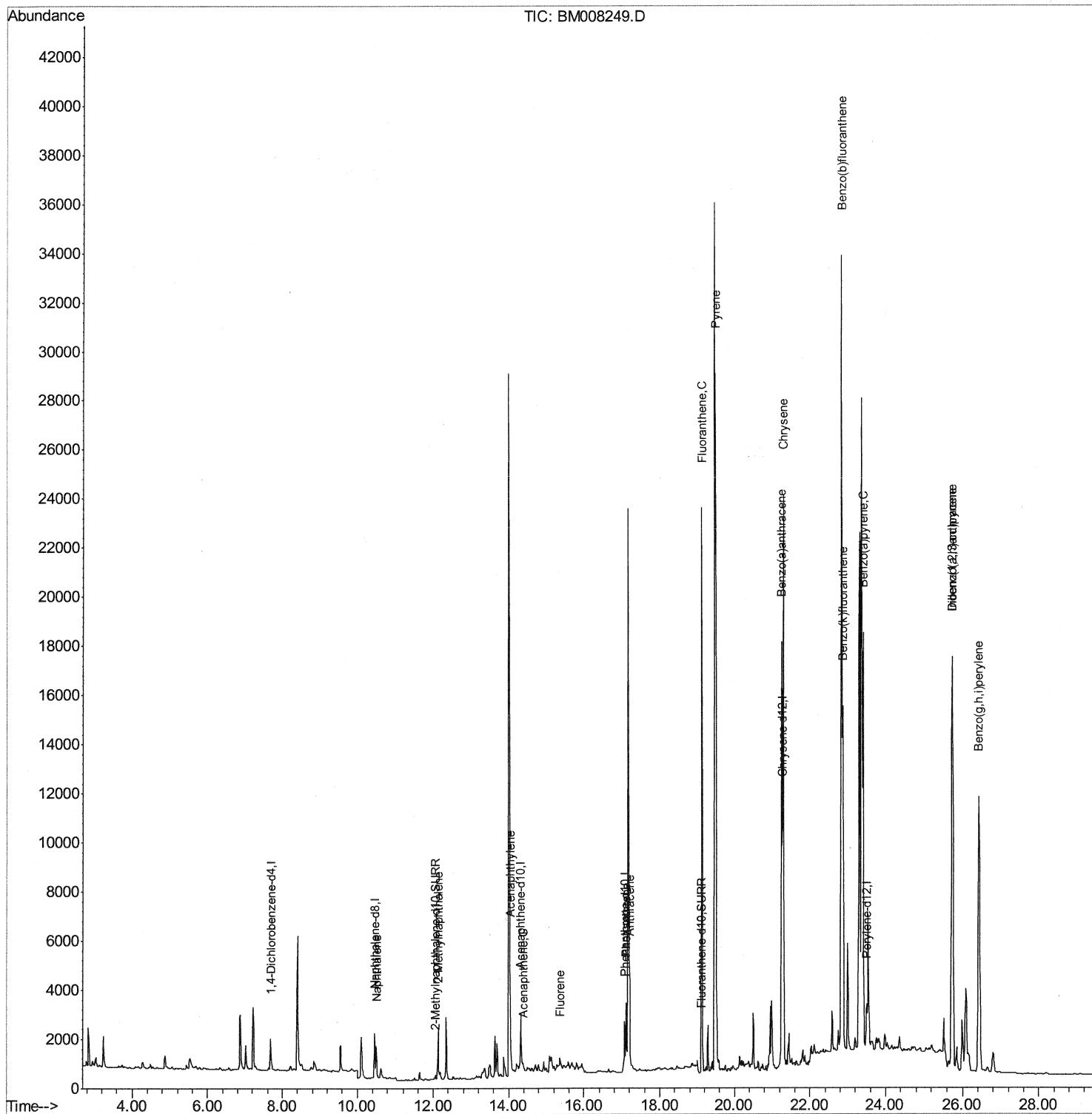
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008249.D
Acq On : 11 Dec 2016 01:17
Operator : UM/SJ
Sample : H5863-09DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:39 PM

Quant Time: Dec 12 05:03:08 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



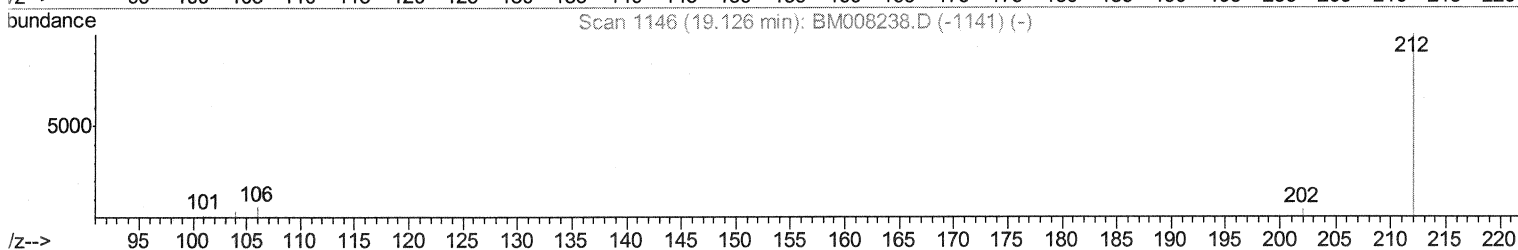
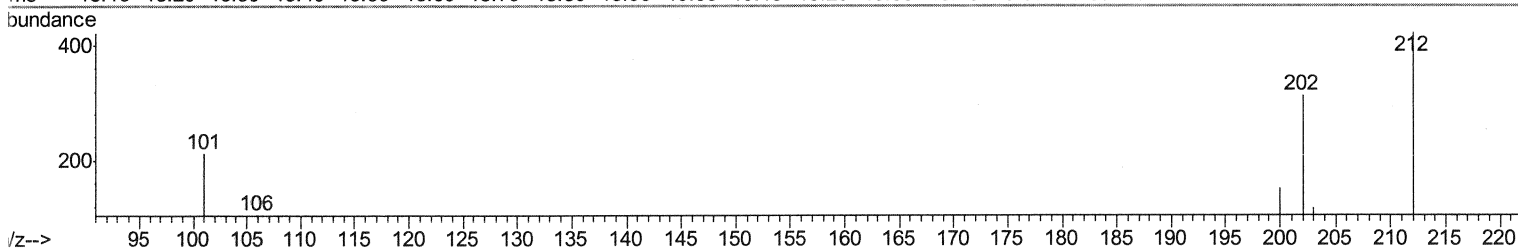
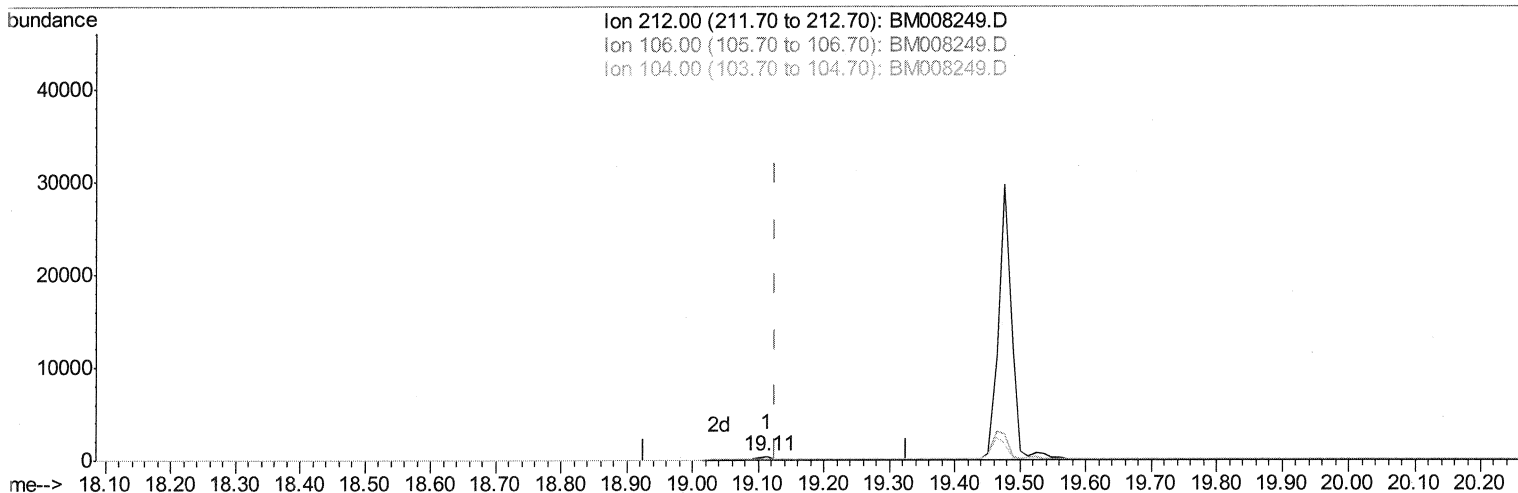
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Manual Integrations
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UMANGI
12/12/2016 6:50:39 PM

Quant Time: Dec 12 03:55:46 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



TIC: BM008249.D

(14) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.11ng/ul

response 792

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	51.77#
104.00	15.60	157.32#
0.00	0.00	0.00

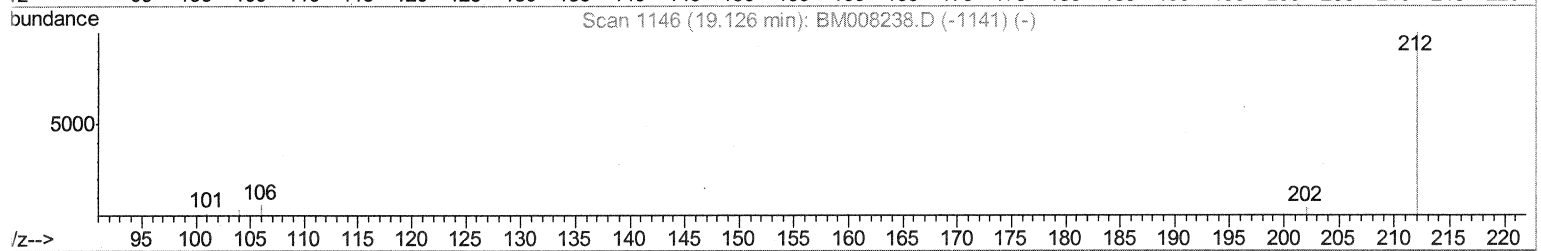
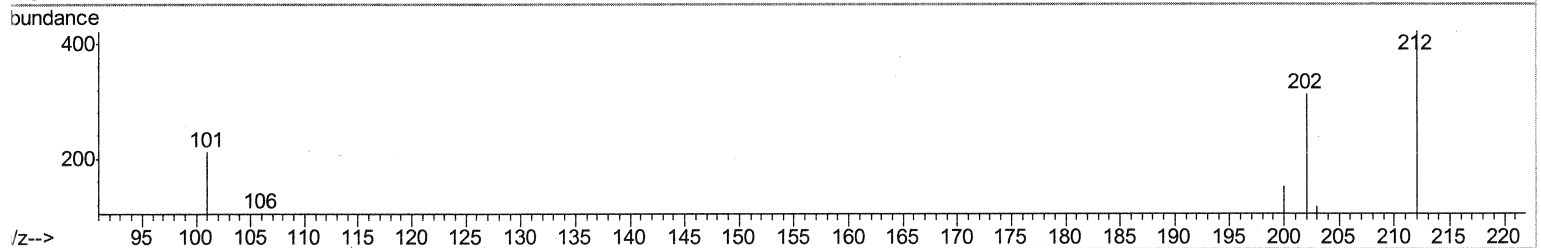
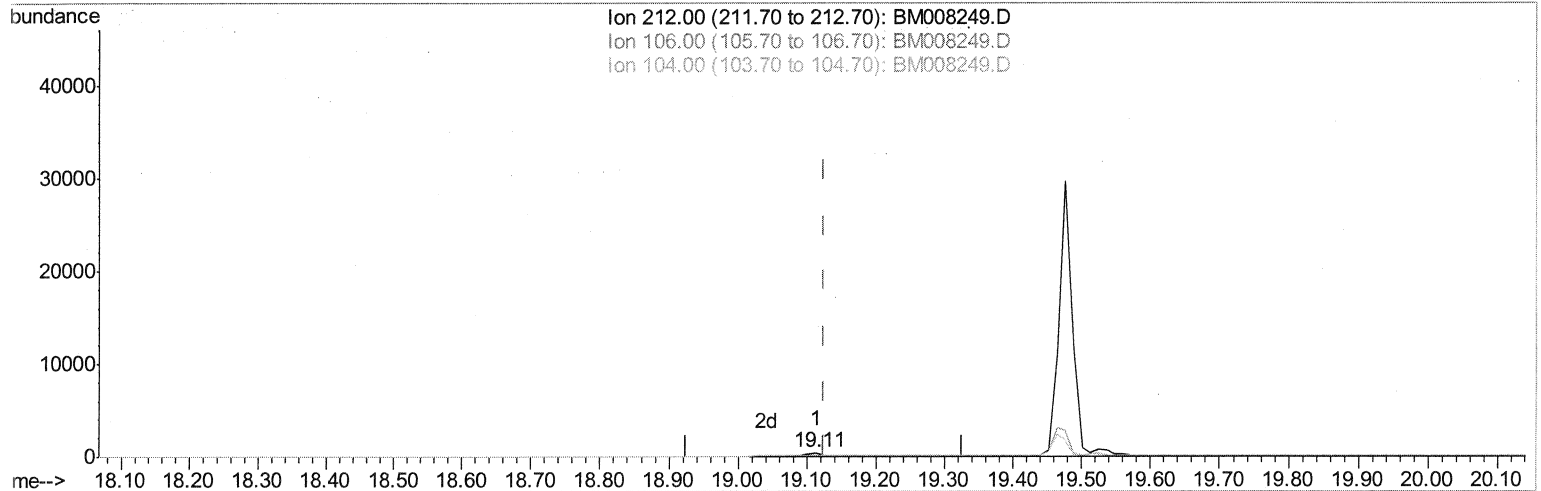
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Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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TIC: BM008249.D

(14) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.06ng/ul m

52 12/12/16

response 469

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	87.42#
104.00	15.60	265.67#
0.00	0.00	0.00

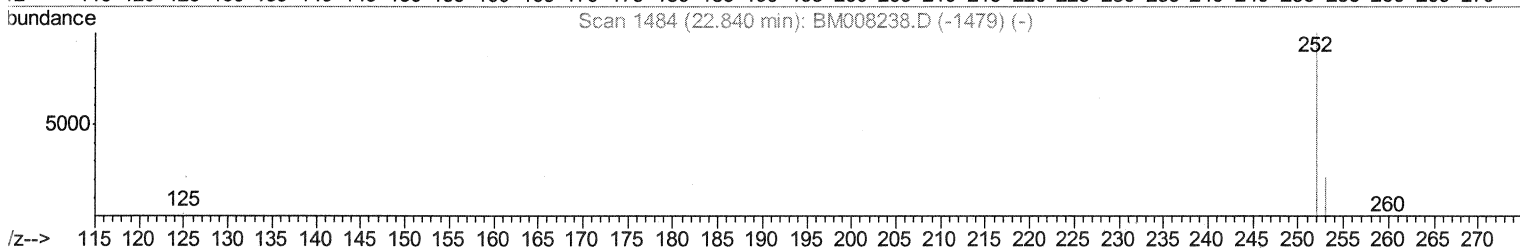
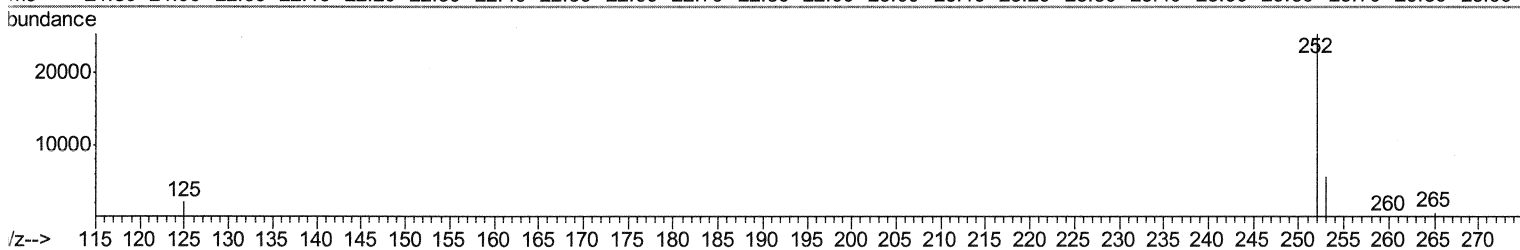
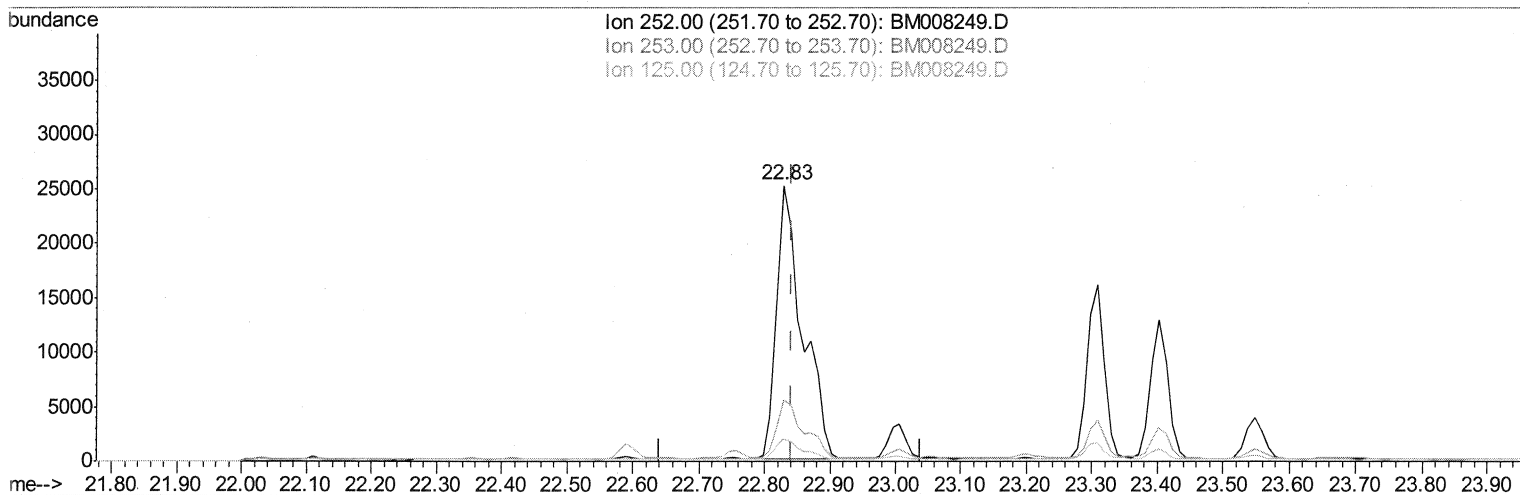
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Data File : BM008249.D
Acq On : 11 Dec 2016 01:17
Operator : UM/SJ
Sample : H5863-09DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:39 PM

Quant Time: Dec 12 03:55:46 2016
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TIC: BM008249.D

(21) Benzo(b)fluoranthene

22.829min (-0.011) 7.17ng/ul

response 68441

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.25
125.00	17.50	8.28
0.00	0.00	0.00

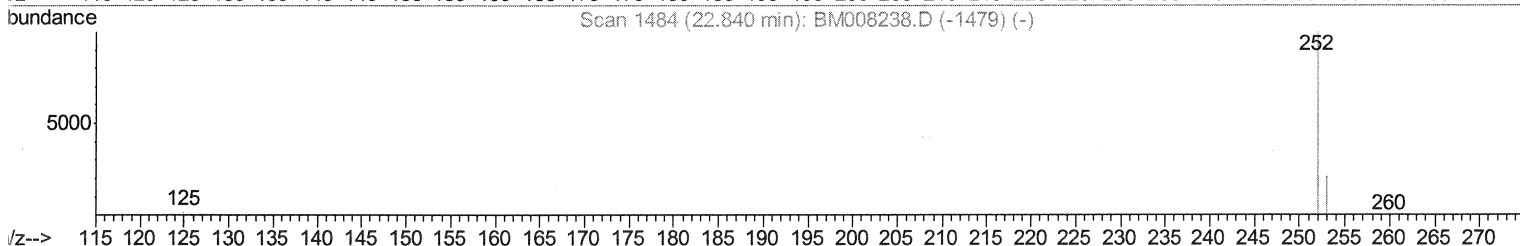
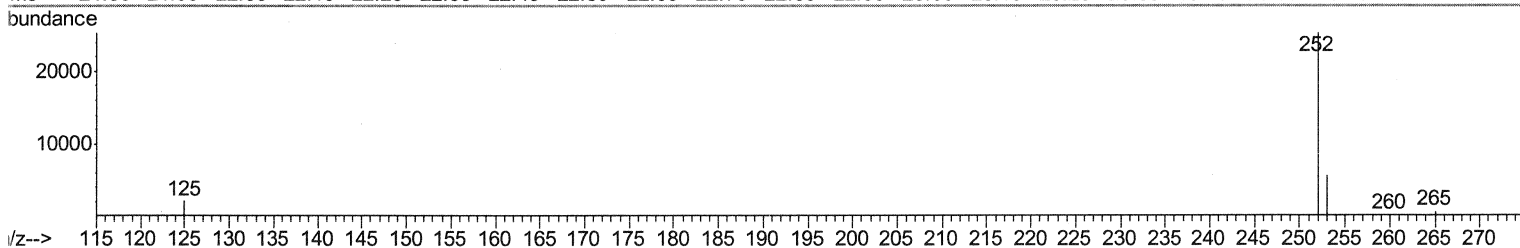
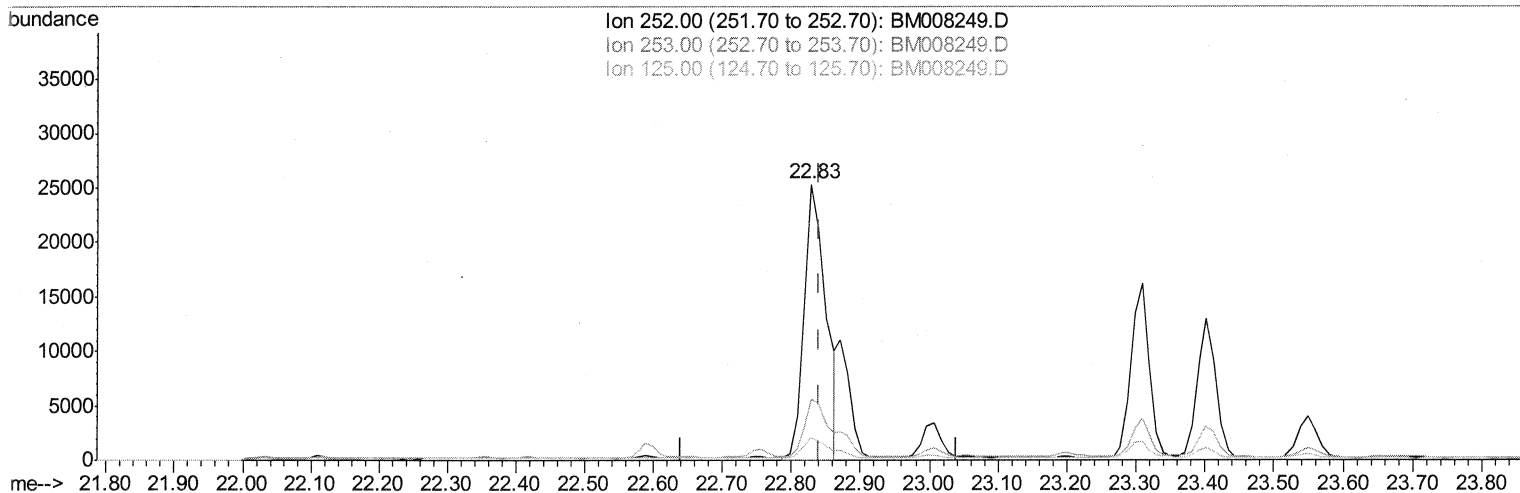
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008249.D
 Acq On : 11 Dec 2016 01:17
 Operator : UM/SJ
 Sample : H5863-09DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y8DL

Manual Integrations
 APPROVED

UMANGI
 12/12/2016 6:50:39 PM

Quant Time: Dec 12 03:55:46 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: BM008249.D

(21) Benzo(b)fluoranthene

22.829min (-0.011) 5.84ng/ul m SJ 12/12/16

response 55751

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.25
125.00	17.50	8.28
0.00	0.00	0.00

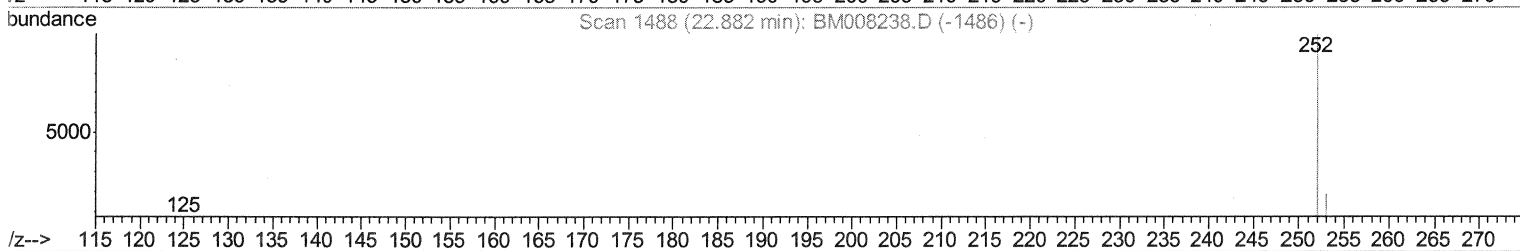
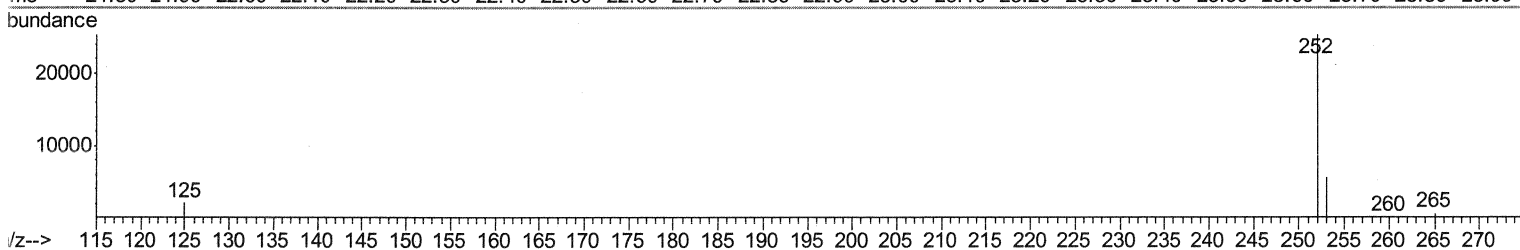
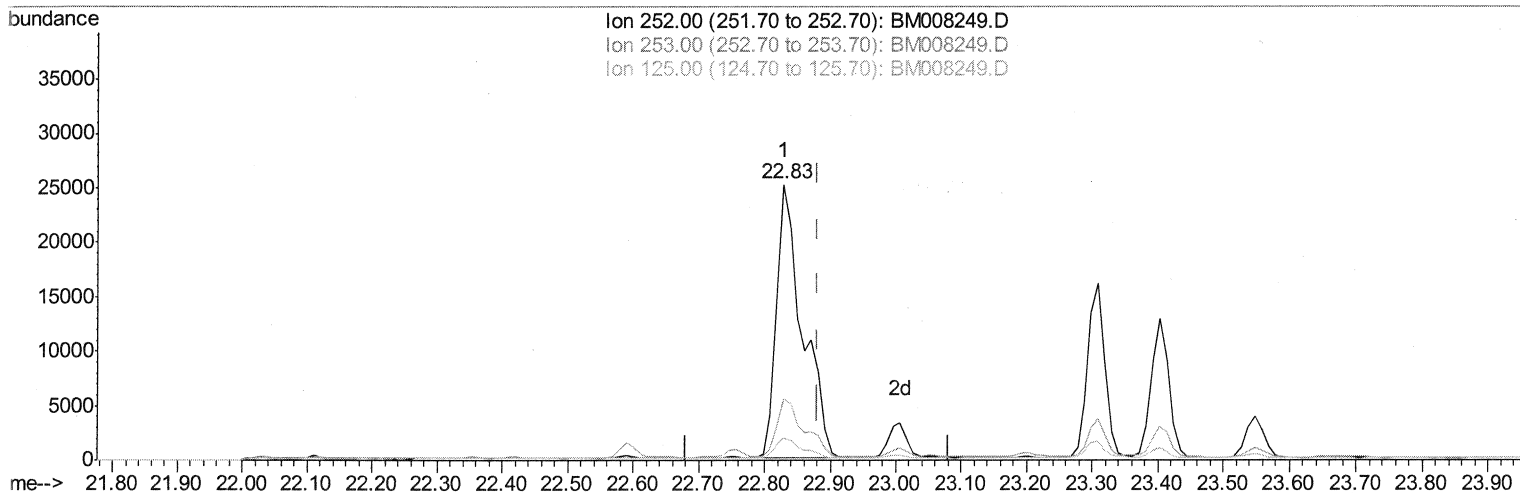
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008249.D
Acq On : 11 Dec 2016 01:17
Operator : UM/SJ
Sample : H5863-09DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y8DL

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:39 PM

Quant Time: Dec 12 03:55:46 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: BM008249.D

(22) Benzo(k)fluoranthene

22.829min (-0.053) 6.95ng/ul

response 68441

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.25#
125.00	17.10	8.28#
0.00	0.00	0.00

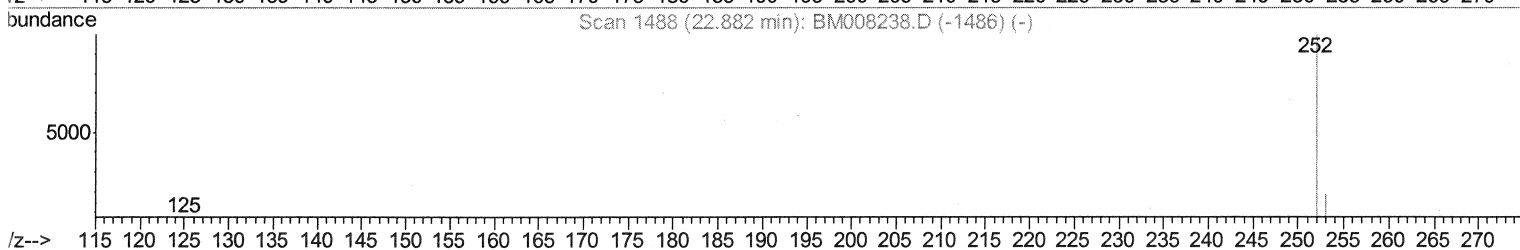
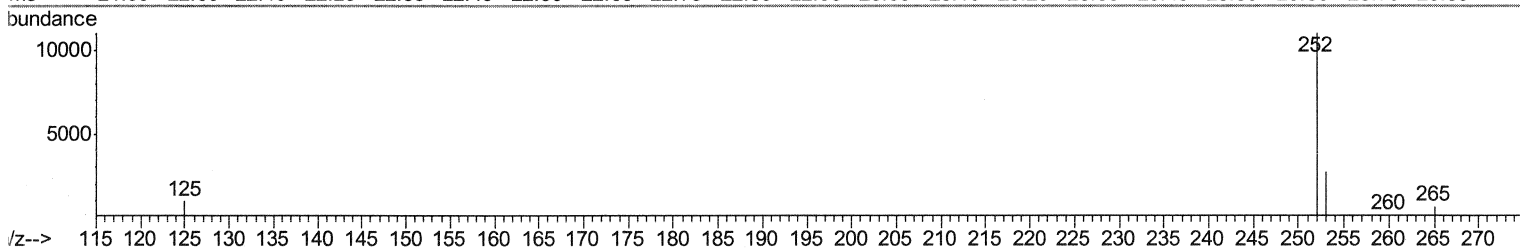
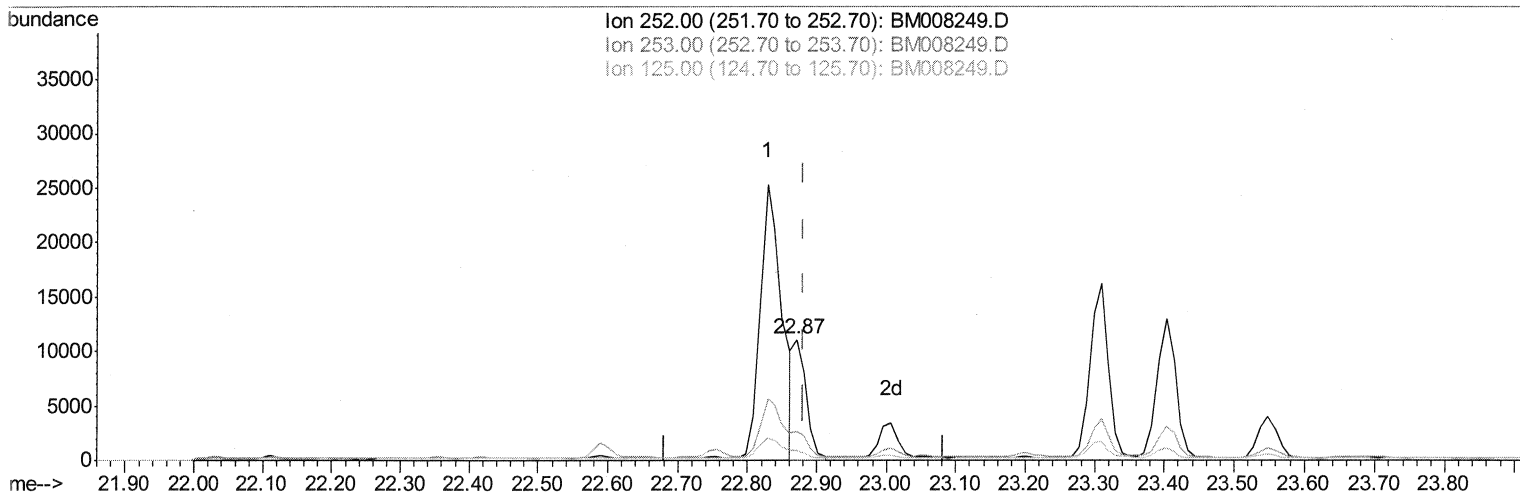
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008249.D
Acq On : 11 Dec 2016 01:17
Operator : UM/SJ
Sample : H5863-09DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
APPROVED

UMANGI
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Quant Time: Dec 12 03:55:46 2016
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TIC: BM008249.D

(22) Benzo(k)fluoranthene

22.871min (-0.011) 1.46ng/ul m

SJ 12/12/16

response 14364

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.37#
125.00	17.10	8.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008249.D
 Acq On : 11 Dec 2016 01:17
 Operator : UM/SJ
 Sample : H5863-09DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA7Y8DL

Manual Integrations
 APPROVED

UMANGI
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	822	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2635	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1526	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2609	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2462	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2391	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	278	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	469m	0.06	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	1916	0.26	ng/ul	97
5) 2-Methylnaphthalene	12.13	142	1757	0.37	ng/ul	99
7) Acenaphthylene	14.04	152	5204	0.75	ng/ul	97
8) Acenaphthene	14.38	153	297	0.06	ng/ul#	87
9) Fluorene	15.38	166	282	0.05	ng/ul#	61
12) Phenanthrene	17.11	178	3272	0.40	ng/ul	99
13) Anthracene	17.21	178	4966	0.65	ng/ul	95
15) Fluoranthene	19.14	202	22860	2.18	ng/ul	94
17) Pyrene	19.50	202	26310	3.08	ng/ul	97
18) Benzo(a)anthracene	21.26	228	18550	2.45	ng/ul	97
19) Chrysene	21.31	228	24525	2.61	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	55751m	5.84	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	14364m	1.46	ng/ul	
23) Benzo(a)pyrene	23.40	252	23844	2.67	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.74	276	27844	2.52	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	6865	0.78	ng/ul#	94
26) Benzo(g,h,i)perylene	26.43	276	25713	2.62	ng/ul#	88

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