

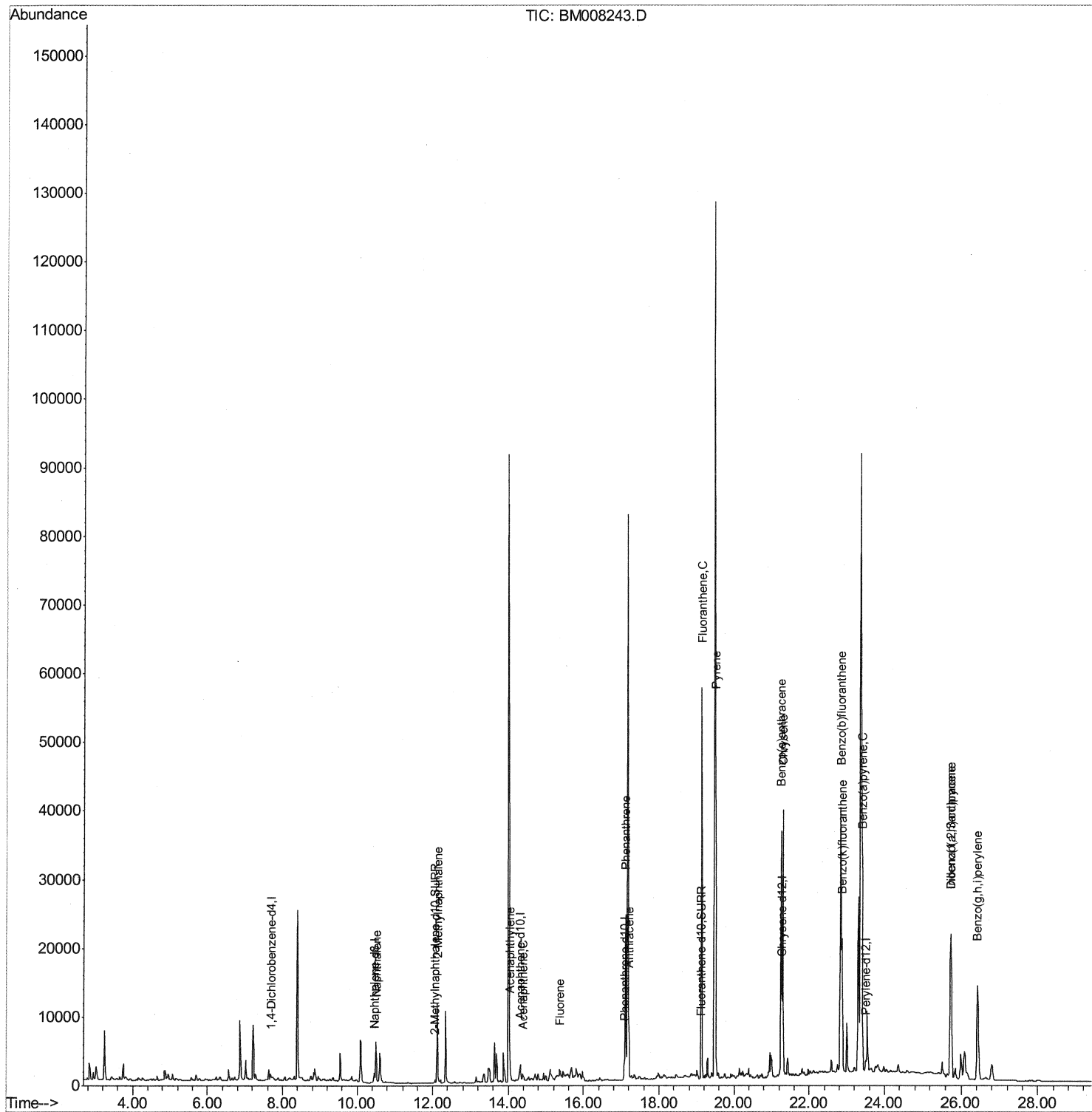
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008243.D
Acq On : 10 Dec 2016 21:41
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA812

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:31 PM

Quant Time: Dec 12 04:30:00 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM12116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration



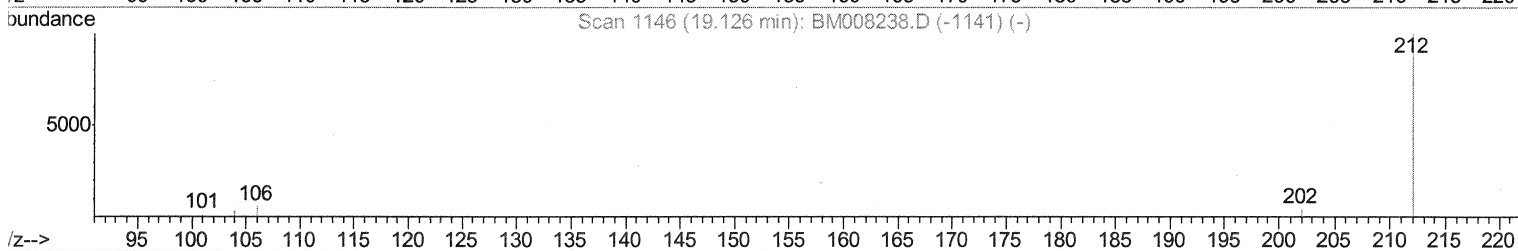
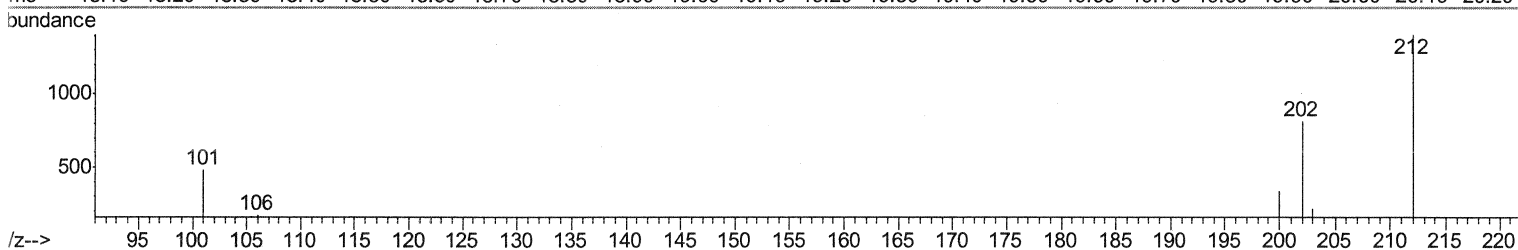
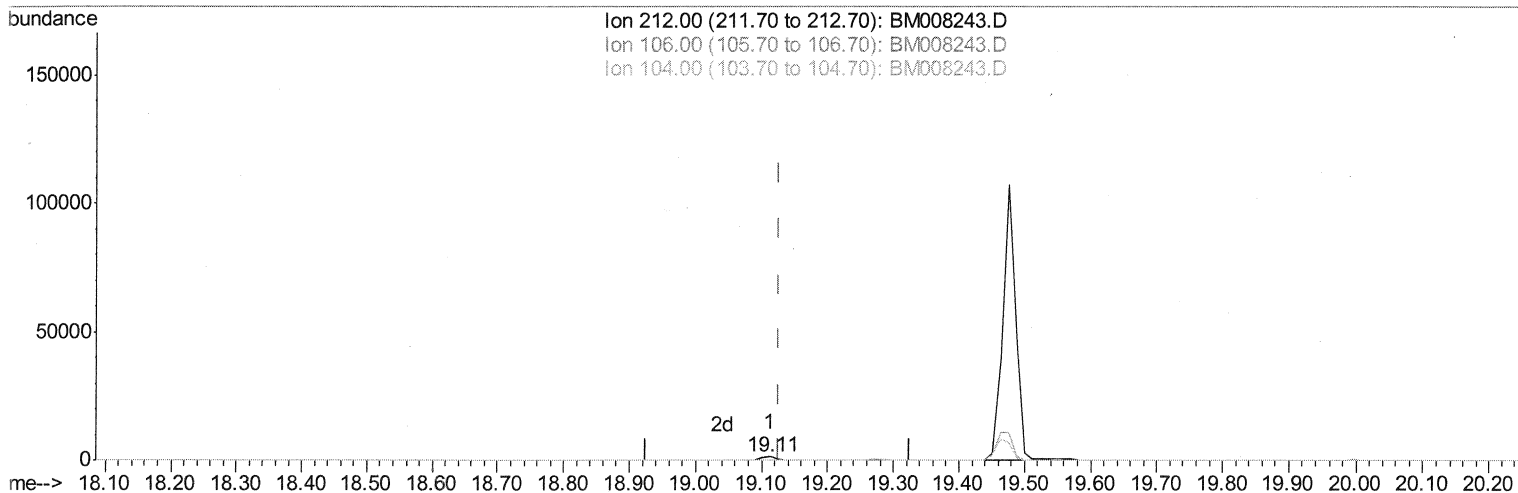
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TIC: BM008243.D

(14) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.33ng/ul

response 2307

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	29.30#
104.00	15.60	26.70#
0.00	0.00	0.00

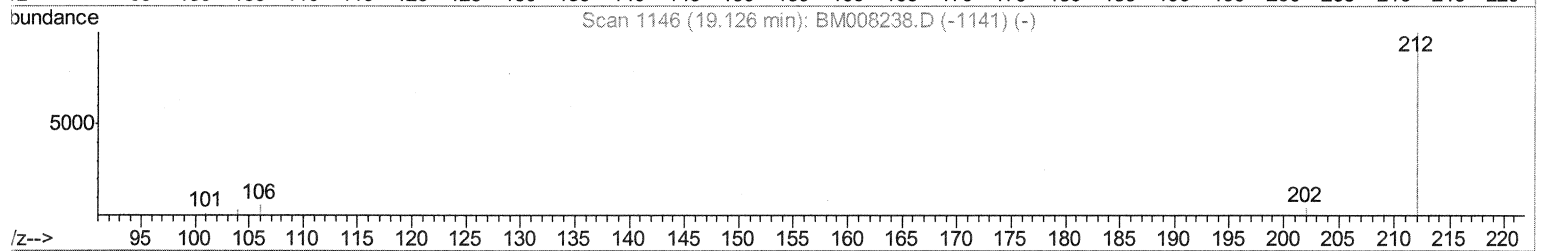
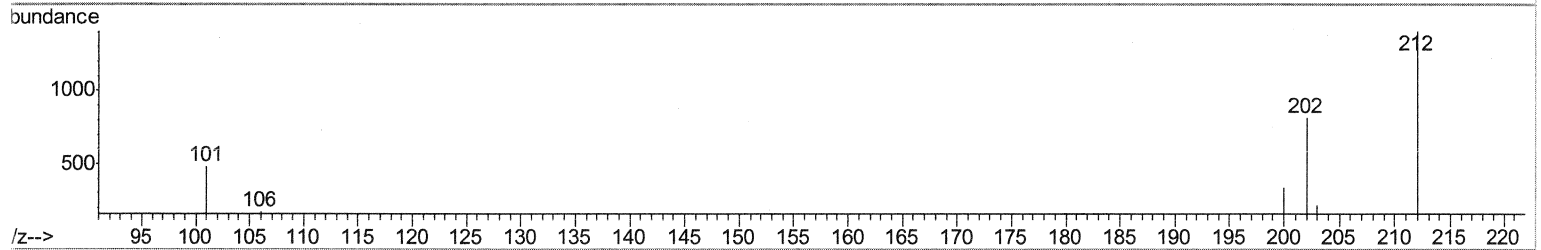
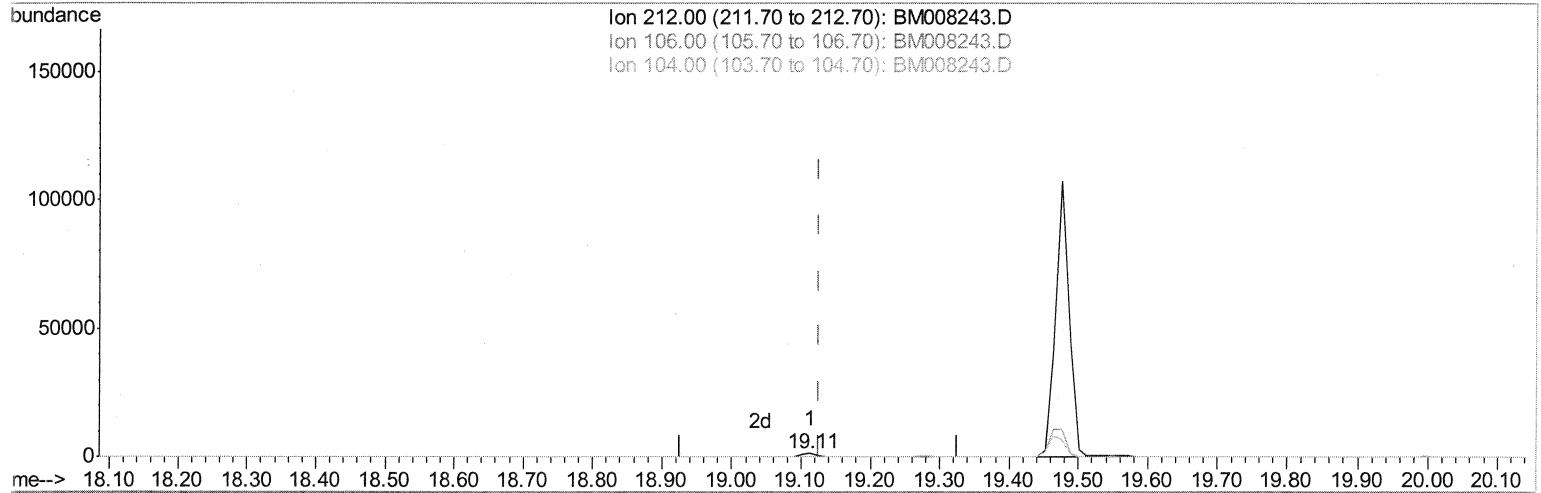
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Manual Integrations
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TIC: BM008243.D

(14) Fluoranthene-d10 (SURR)

19.113min (-0.012) 0.25ng/ul m

SJ 12/12/16

response 1734

Ion	Exp%	Act%
212.00	100	100
106.00	18.30	38.99#
104.00	15.60	35.52#
0.00	0.00	0.00

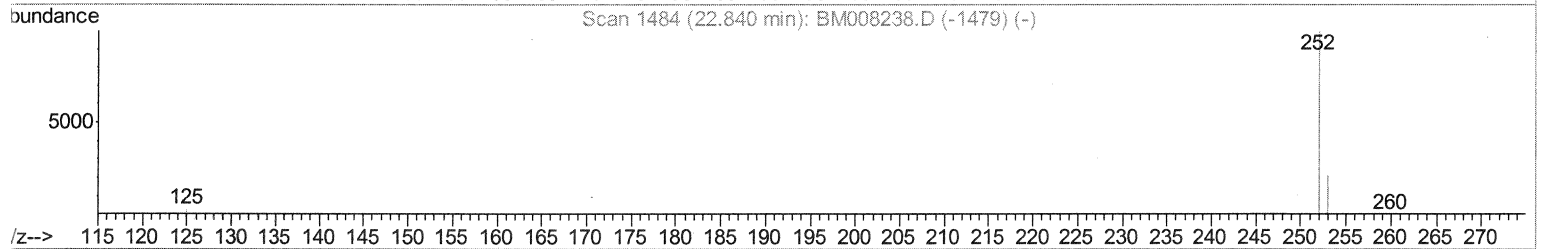
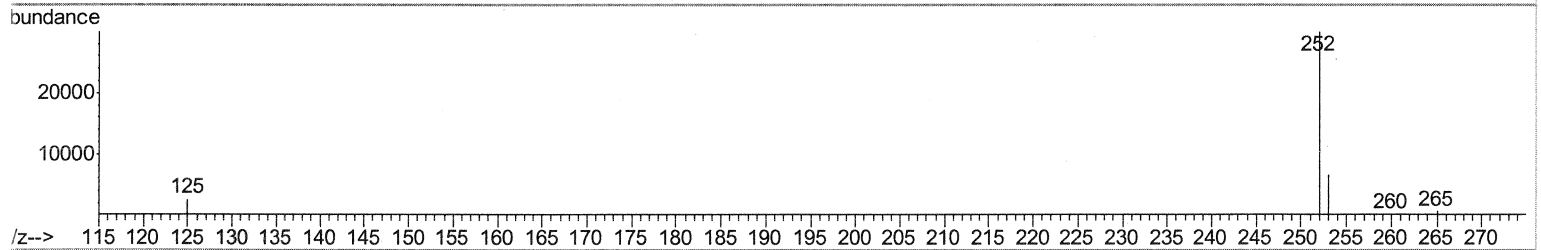
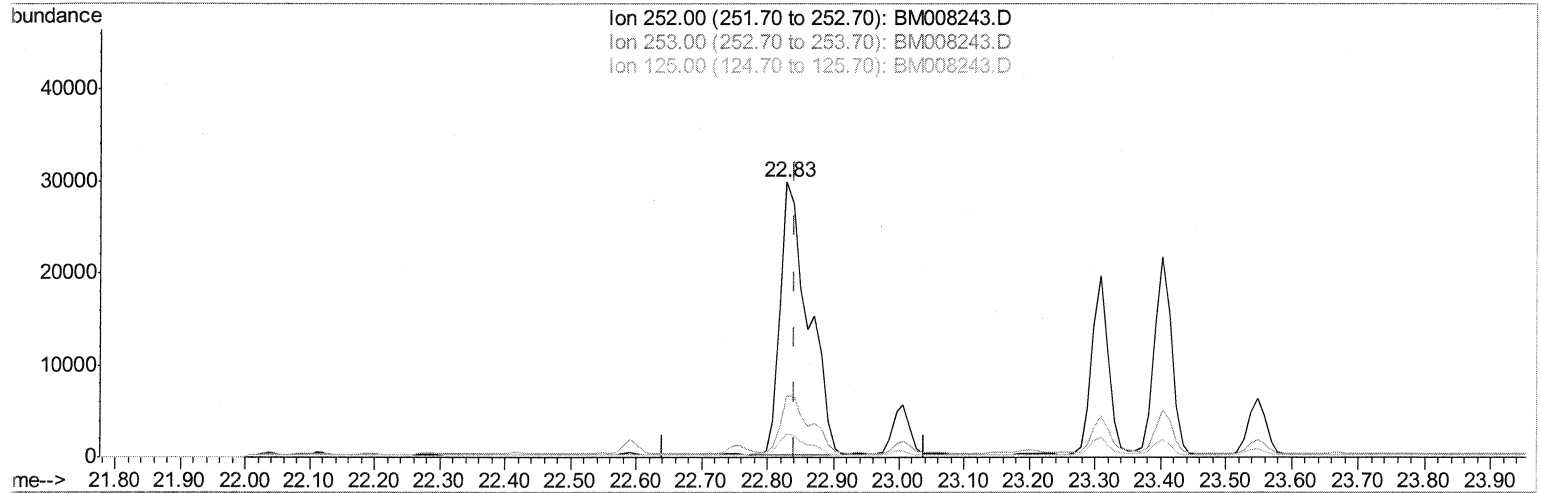
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Data File : BM008243.D
Acq On : 10 Dec 2016 21:41
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA812

Manual Integrations
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Quant Time: Dec 12 03:54:50 2016
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TIC: BM008243.D

(21) Benzo(b)fluoranthene

22.829min (-0.011) 10.14ng/ul

response 86770

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.20
125.00	17.50	8.65
0.00	0.00	0.00

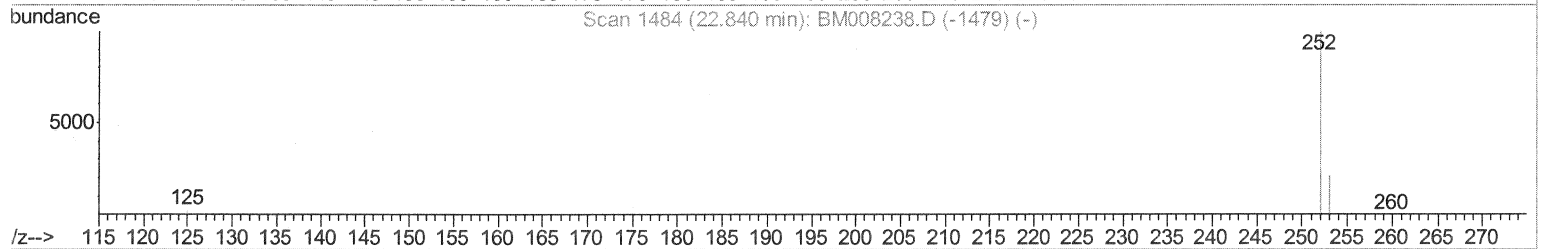
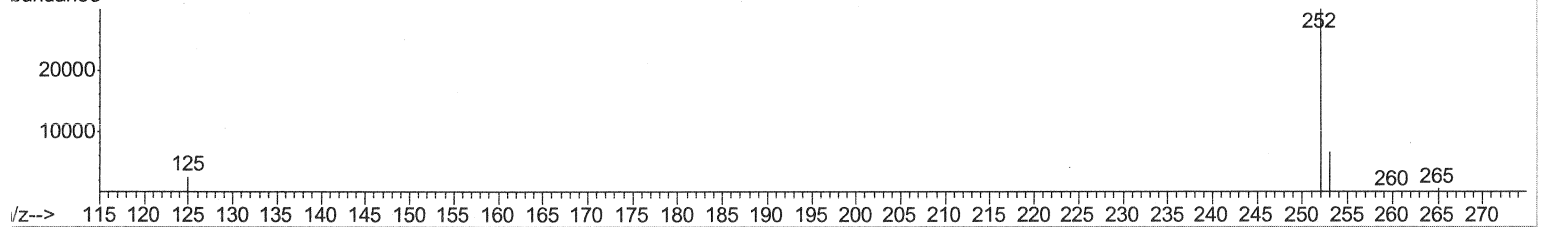
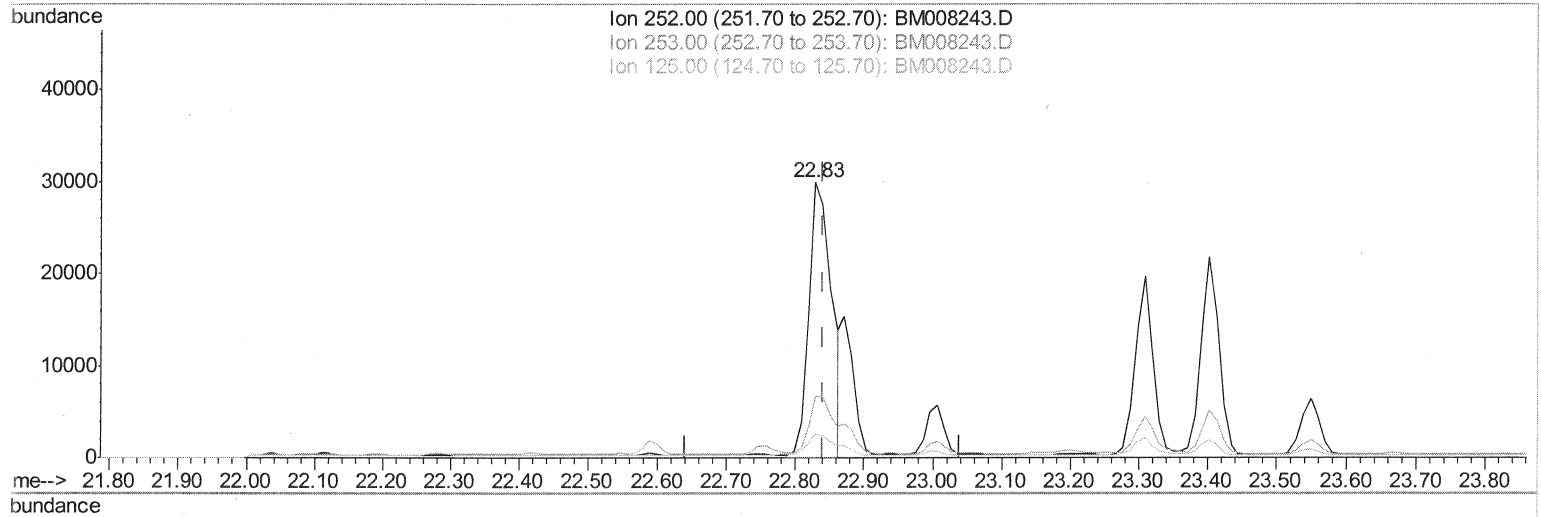
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008243.D
Acq On : 10 Dec 2016 21:41
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA812

Manual Integrations
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UMANGI
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Quant Time: Dec 12 03:54:50 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: BM008243.D

(21) Benzo(b)fluoranthene

22.829min (-0.011) 8.08ng/ul m

SJ 12/12/16

response 69146

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	22.20
125.00	17.50	8.65
0.00	0.00	0.00

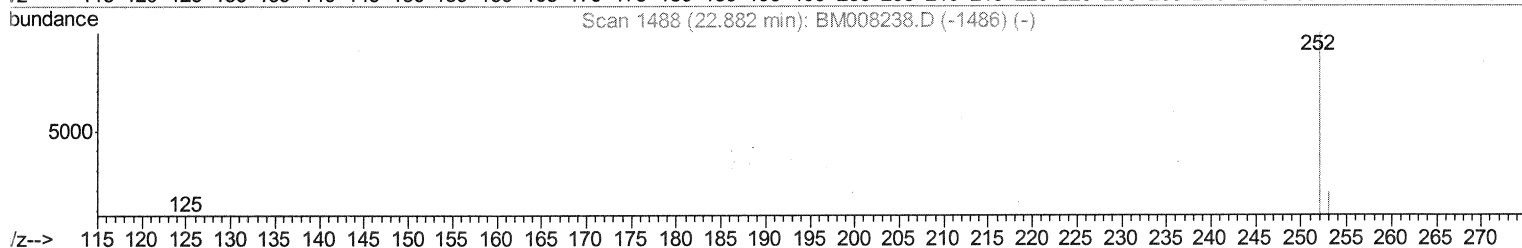
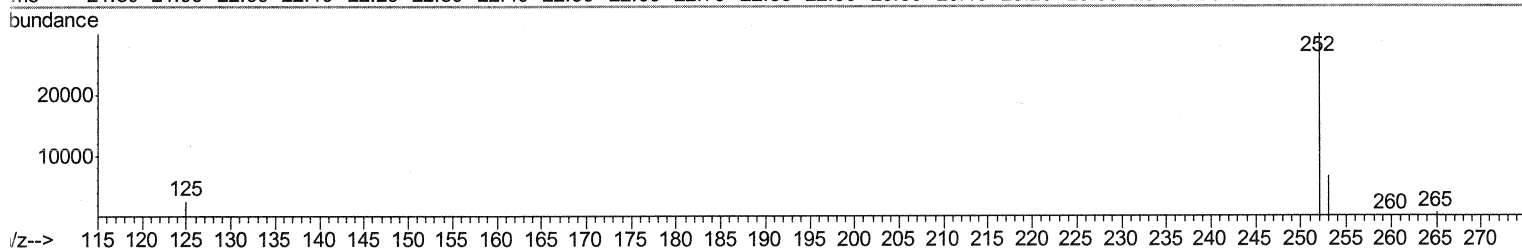
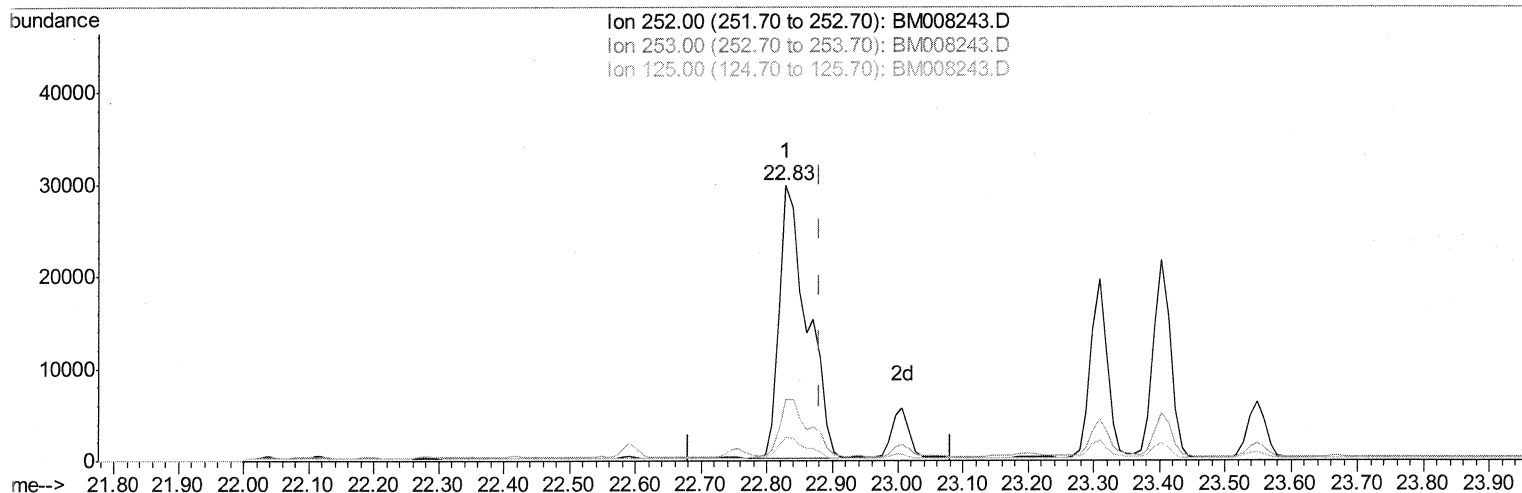
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008243.D
Acq On : 10 Dec 2016 21:41
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA812

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:50:31 PM

Quant Time: Dec 12 03:54:50 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM008243.D

(22) Benzo(k)fluoranthene

22.829min (-0.053) 9.83ng/ul

response 86770

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.20#
125.00	17.10	8.65#
0.00	0.00	0.00

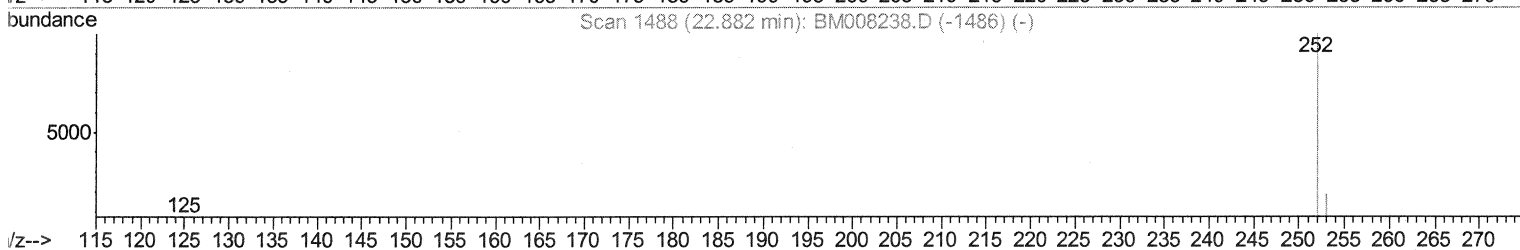
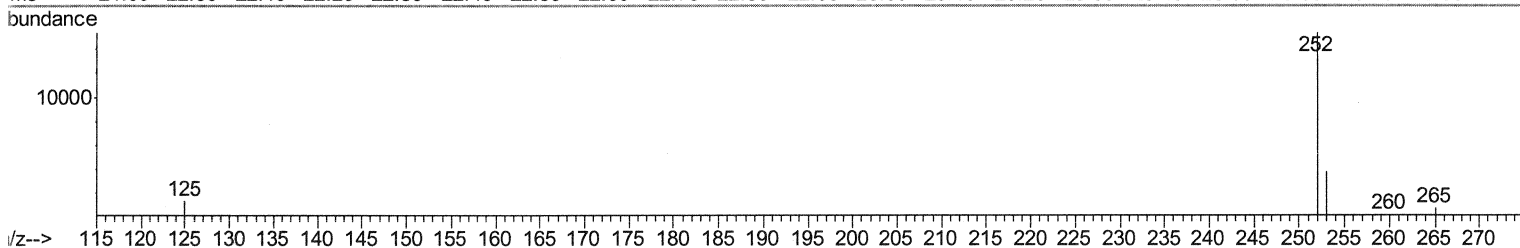
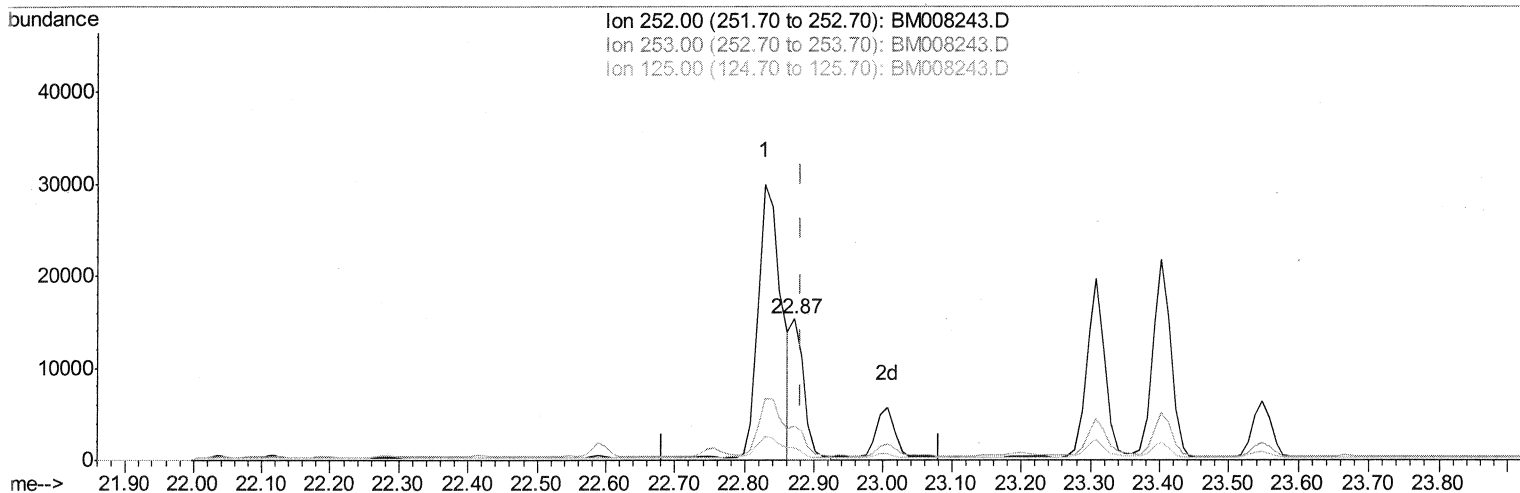
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Data File : BM008243.D
Acq On : 10 Dec 2016 21:41
Operator : UM/SJ
Sample : H5905-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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TIC: BM008243.D

(22) Benzo(k)fluoranthene

22.871min (-0.011) 2.28ng/ul m

SJ 12/12/18

response 20104

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	24.28#
125.00	17.10	8.72#
0.00	0.00	0.00

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 Data File : BM008243.D
 Acq On : 10 Dec 2016 21:41
 Operator : UM/SJ
 Sample : H5905-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	583	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	1992	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1347	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2443	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2394	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2144	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	793	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1734m	0.25	ng/ul	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	8991	1.61	ng/ul	95
5) 2-Methylnaphthalene	12.12	142	8738	2.43	ng/ul	97
7) Acenaphthylene	14.04	152	6237	1.02	ng/ul	95
8) Acenaphthene	14.38	153	955	0.21	ng/ul	95
9) Fluorene	15.38	166	813	0.15	ng/ul#	61
12) Phenanthrene	17.11	178	26445	3.48	ng/ul	95
13) Anthracene	17.19	178	8104	1.13	ng/ul	98
15) Fluoranthene	19.14	202	53448	5.44	ng/ul	94
17) Pyrene	19.50	202	44806	5.39	ng/ul	97
18) Benzo(a)anthracene	21.26	228	35707	4.86	ng/ul	98
19) Chrysene	21.31	228	38899	4.26	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	69146m	8.08	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	20104m	2.28	ng/ul	
23) Benzo(a)pyrene	23.40	252	39595	4.94	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.74	276	35878	3.62	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	9005	1.13	ng/ul	97
26) Benzo(a,h,i)perylene	26.43	276	30531	3.47	ng/ul#	88

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