

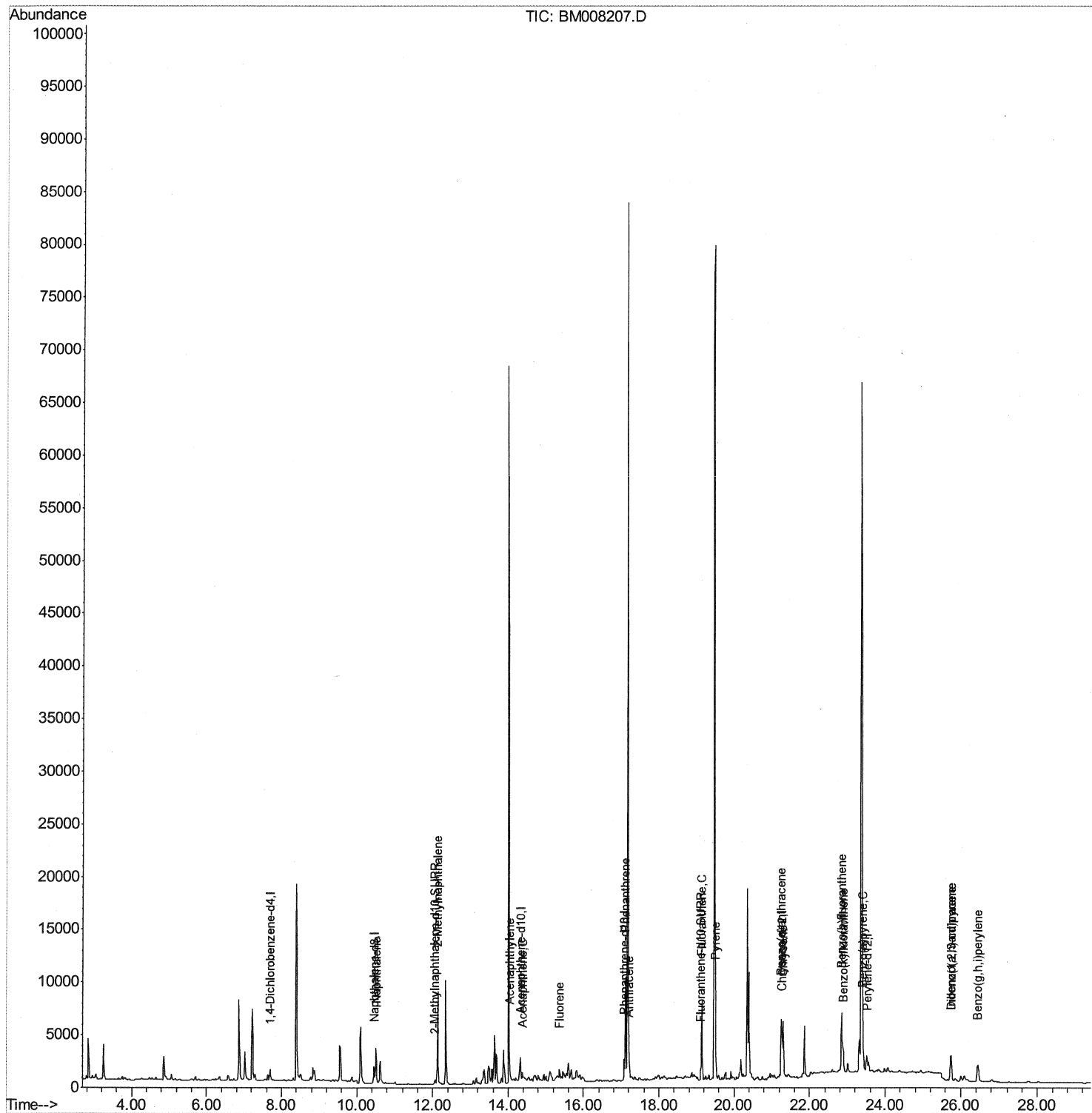
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008207.D
Acq On : 09 Dec 2016 15:03
Operator : UM/SJ
Sample : H5863-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y4

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:49:22 PM

Quant Time: Dec 09 17:57:41 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 17:54:09 2016
Response via : Initial Calibration



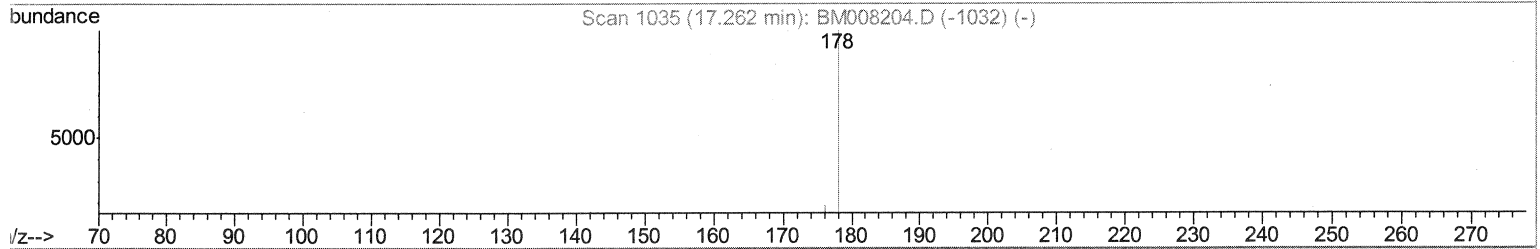
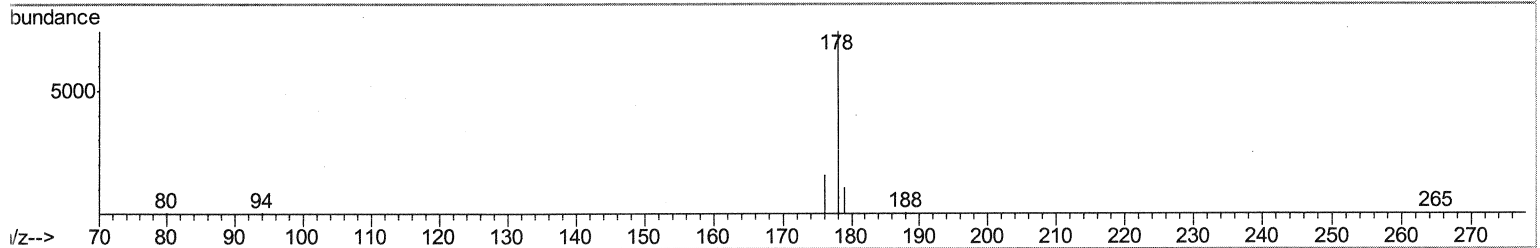
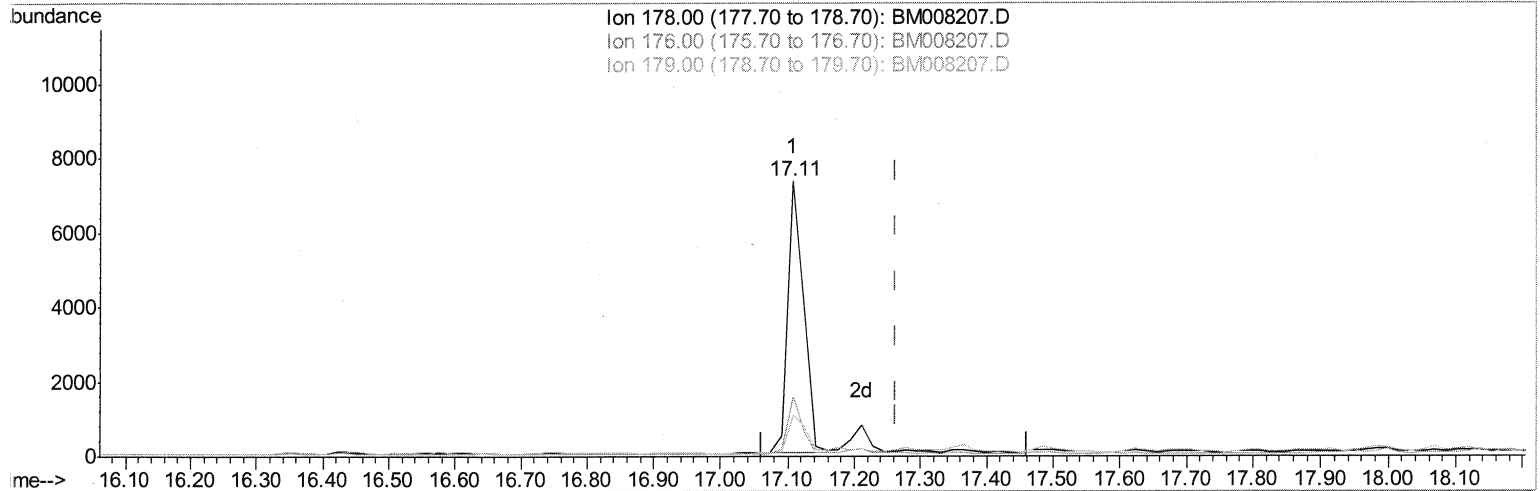
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TIC: BM008207.D

(13) Anthracene

17.108min (-0.154) 1.67ng/ul

response 12280

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	21.93
179.00	18.40	14.83
0.00	0.00	0.00

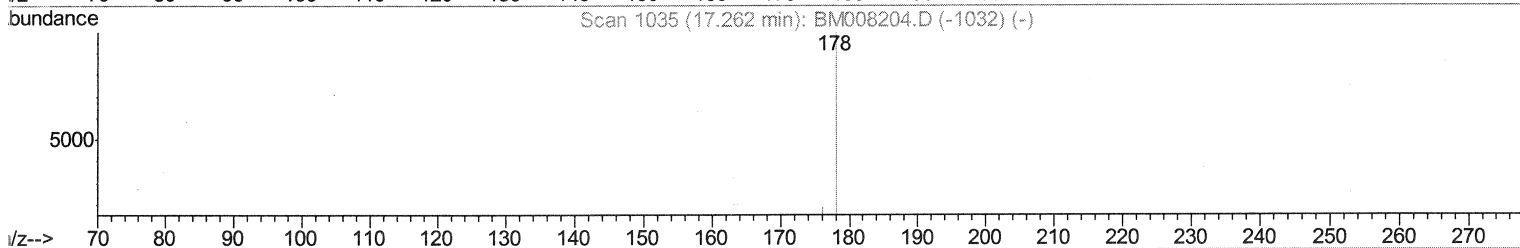
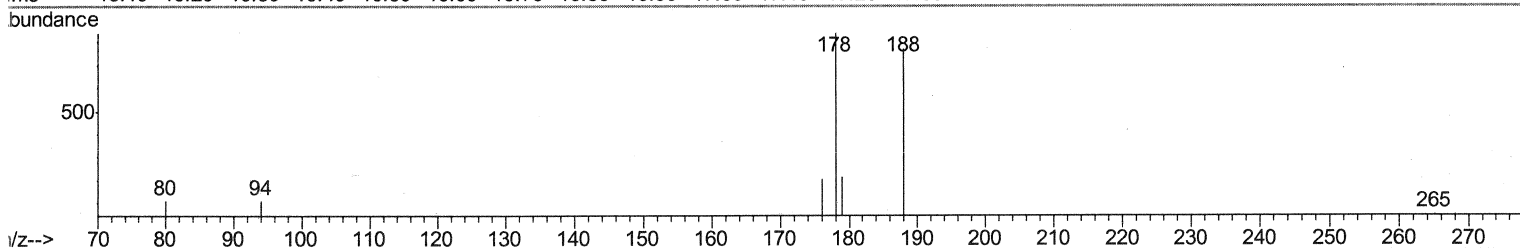
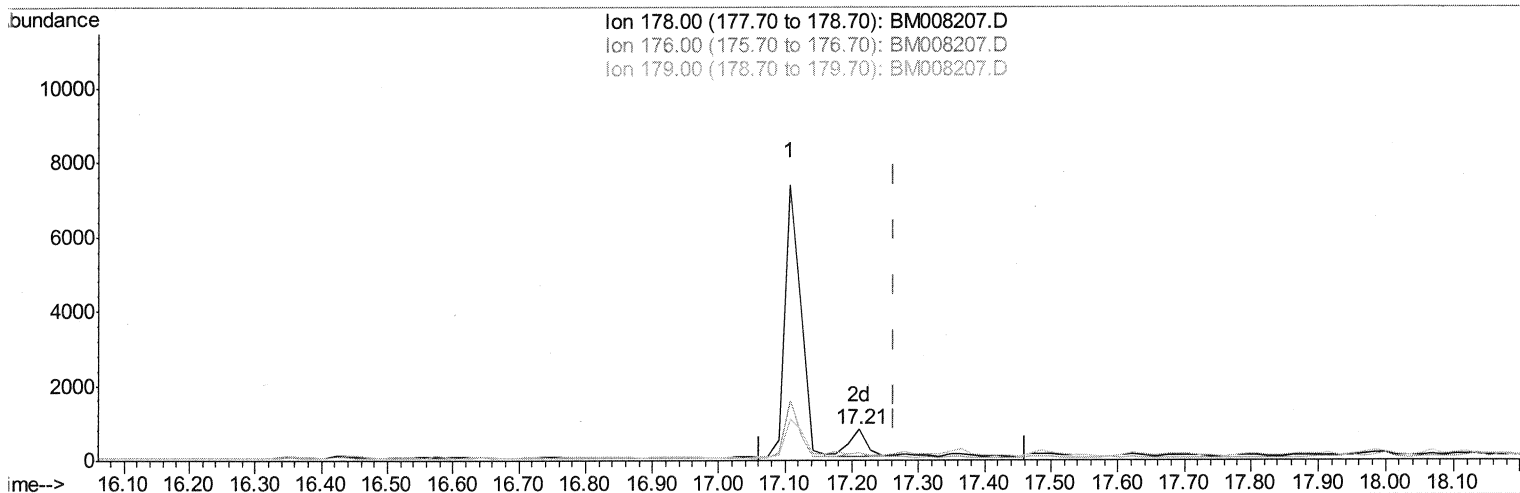
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TIC: BM008207.D

(13) Anthracene

17.210min (-0.051) 0.19ng/ul m

SJ 12/12/16

response 1419

Ion	Exp%	Act%
178.00	100	100
176.00	22.60	24.29
179.00	18.40	25.71#
0.00	0.00	0.00

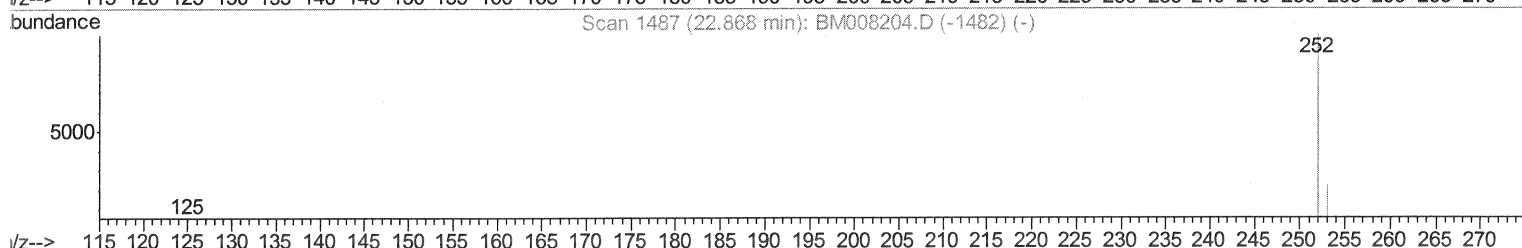
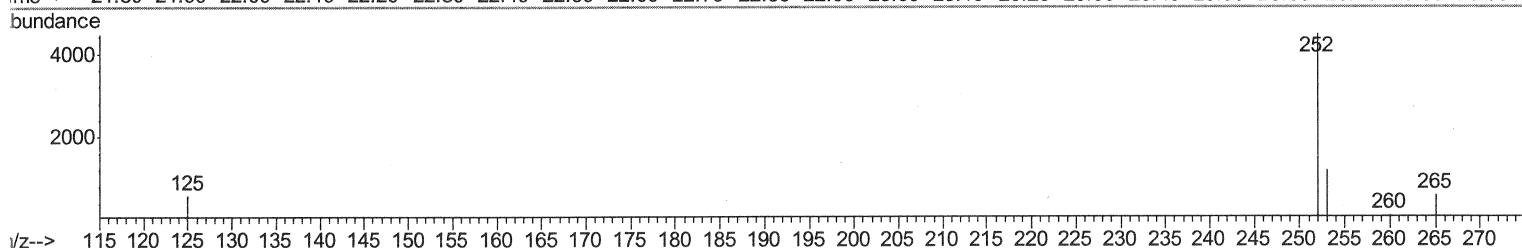
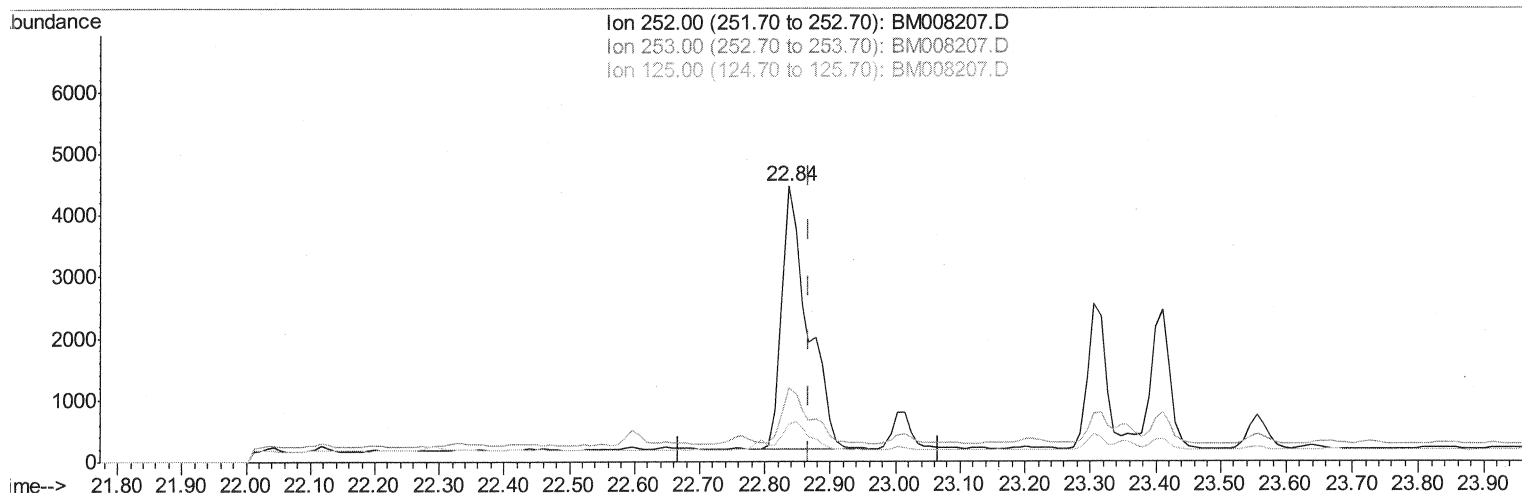
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008207.D
Acq On : 09 Dec 2016 15:03
Operator : UM/SJ
Sample : H5863-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y4

Manual Integrations
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TIC: BM008207.D

(21) Benzo(b)fluoranthene

22.836min (-0.031) 1.46ng/ul

response 11870

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.72
125.00	17.50	13.64
0.00	0.00	0.00

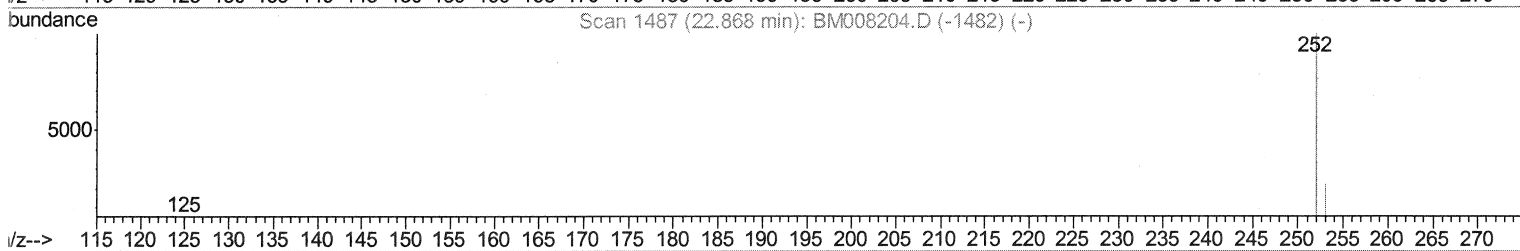
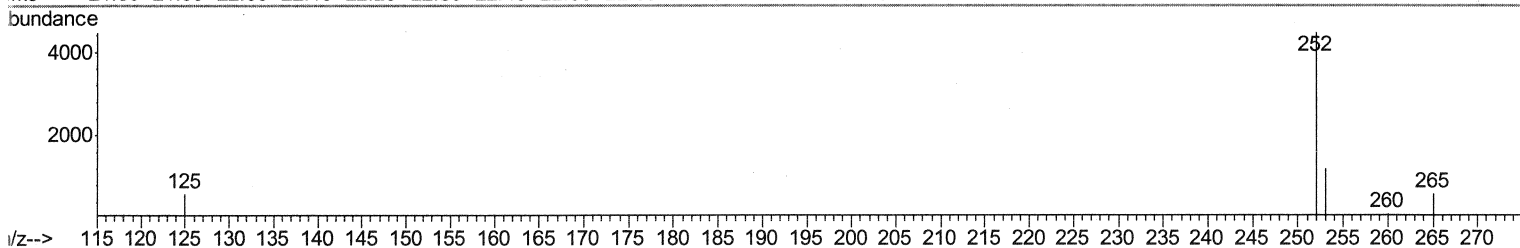
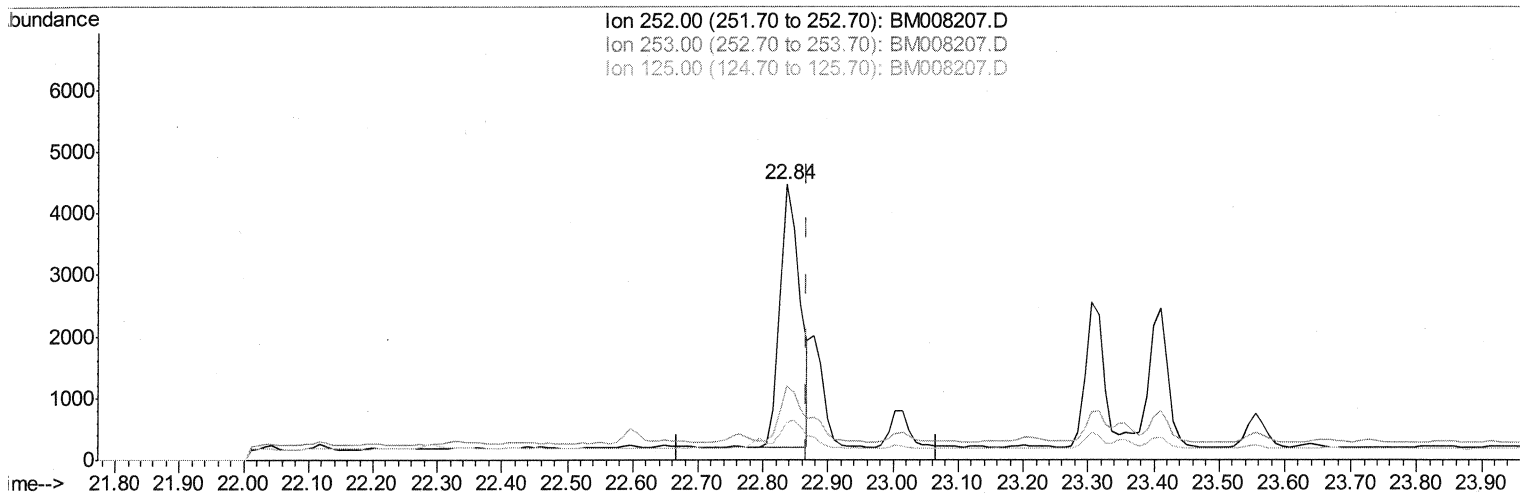
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008207.D
Acq On : 09 Dec 2016 15:03
Operator : UM/SJ
Sample : H5863-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y4

Manual Integrations
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Quant Time: Dec 09 17:56:15 2016
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TIC: BM008207.D

(21) Benzo(b)fluoranthene

22.836min (-0.031) 1.17ng/ul m

SJ 12/12/16

response 9513

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	26.72
125.00	17.50	13.64
0.00	0.00	0.00

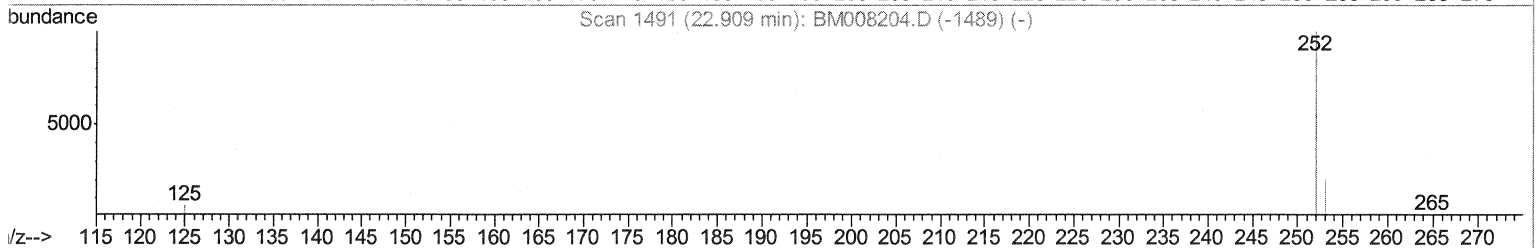
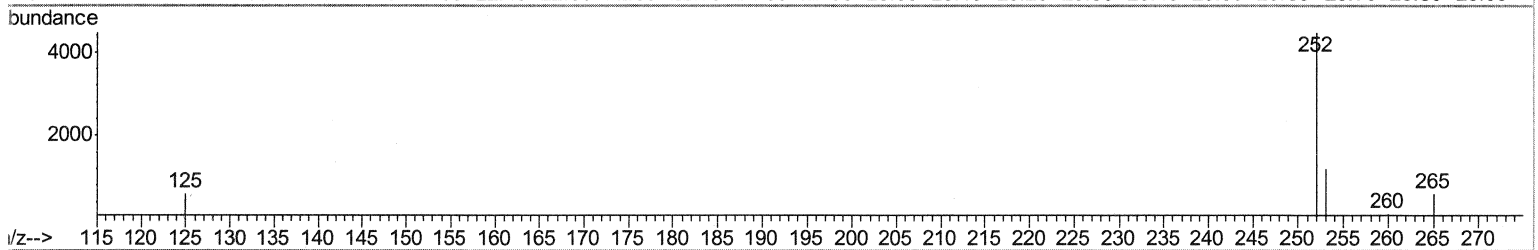
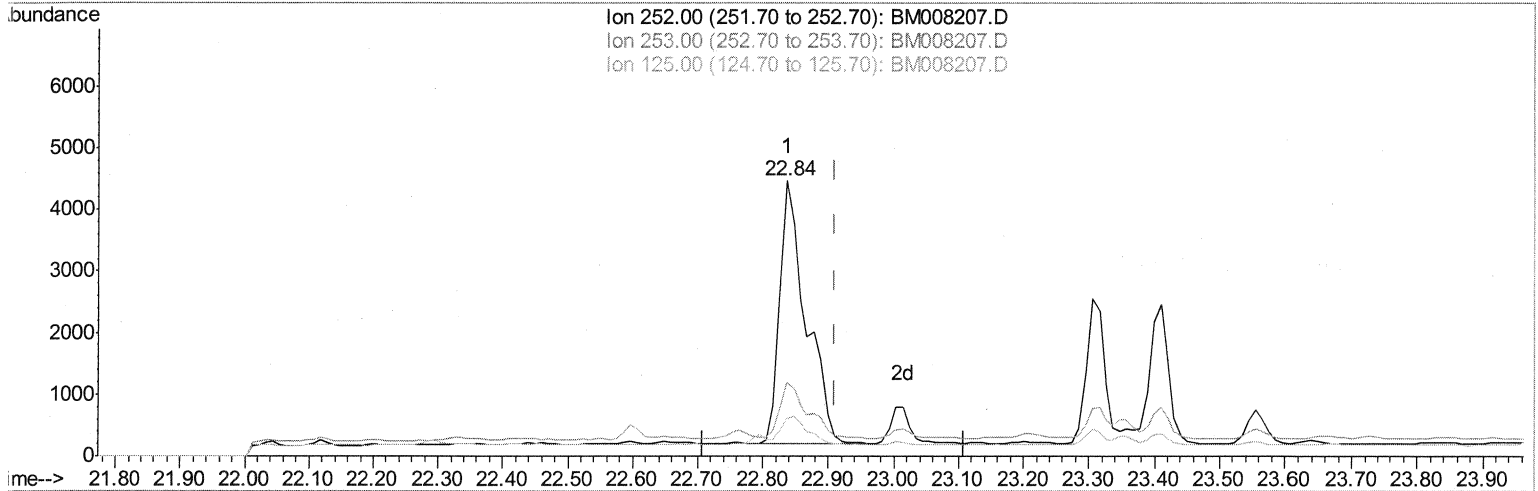
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
Data File : BM008207.D
Acq On : 09 Dec 2016 15:03
Operator : UM/SJ
Sample : H5863-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DA7Y4

Manual Integrations
APPROVED

UMANGI
12/12/2016 6:49:22 PM

Quant Time: Dec 09 17:56:15 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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TIC: BM008207.D

(22) Benzo(k)fluoranthene

22.836min (-0.073) 1.42ng/ul

response 11870

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	26.72
125.00	17.10	13.64#
0.00	0.00	0.00

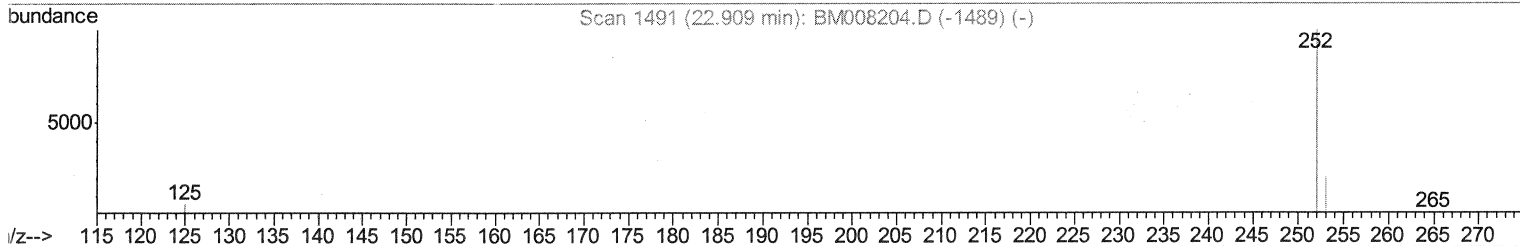
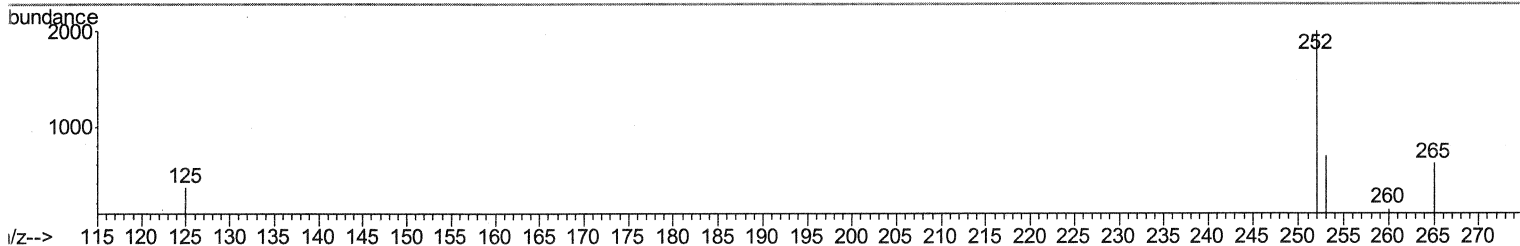
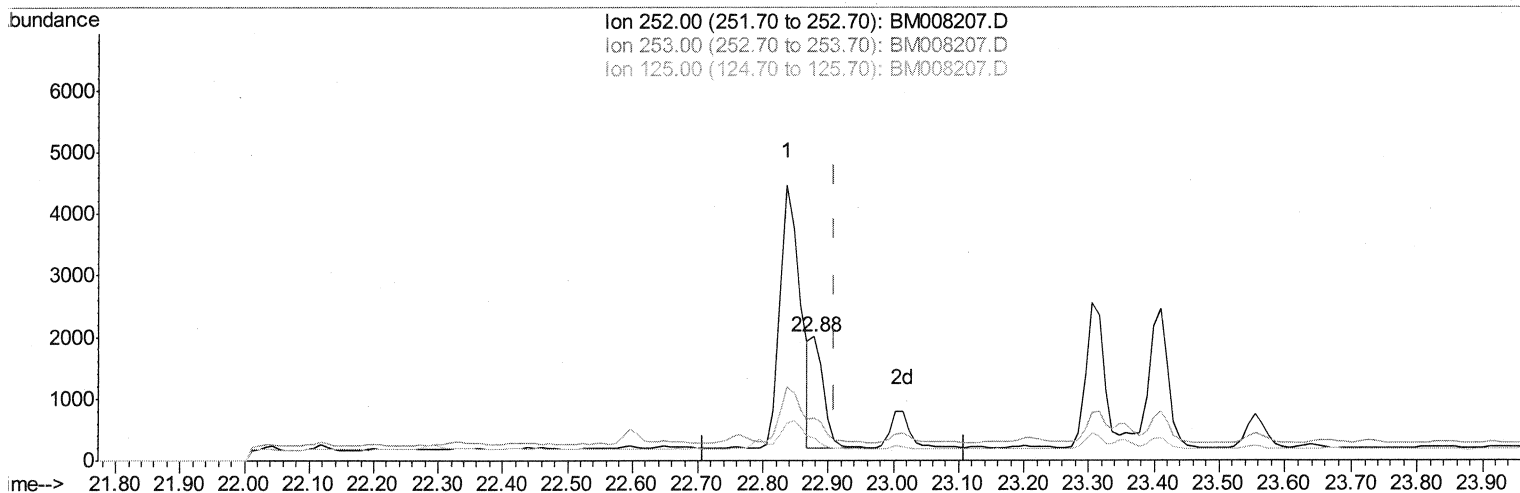
Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
 Data File : BM008207.D
 Acq On : 09 Dec 2016 15:03
 Operator : UM/SJ
 Sample : H5863-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 DA7Y4

Manual Integrations
 APPROVED

UMANGI
 12/12/2016 6:49:22 PM

Quant Time: Dec 09 17:56:15 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
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TIC: BM008207.D

(22) Benzo(k)fluoranthene

22.878min (-0.031) 0.29ng/ul m

SJ 12/12/16

response 2423

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	34.45
125.00	17.10	18.12
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\Data\BM120916\
 Data File : BM008207.D
 Acq On : 09 Dec 2016 15:03
 Operator : UM/SJ
 Sample : H5863-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7Y4

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	657	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.46	136	2217	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.33	164	1494	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2508	0.40	ng/ul	-0.03
16) Chrysene-d12	21.27	240	2225	0.40	ng/ul	-0.03
20) Perylene-d12	23.51	264	2034	0.40	ng/ul	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.06	152	670	0.21	ng/ul	-0.05
14) Fluoranthene-d10	19.12	212	1791	0.25	ng/ul	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.51	128	4871	0.79	ng/ul	97
5) 2-Methylnaphthalene	12.13	142	6469	1.62	ng/ul	100
7) Acenaphthylene	14.04	152	1023	0.15	ng/ul#	69
8) Acenaphthene	14.38	153	366	0.07	ng/ul#	79
9) Fluorene	15.38	166	243	0.04	ng/ul#	28
12) Phenanthrene	17.11	178	12473	1.60	ng/ul	97
13) Anthracene	17.21	178	1419m	0.19	ng/ul	
15) Fluoranthene	19.14	202	7197	0.71	ng/ul	96
17) Pyrene	19.51	202	6790	0.88	ng/ul	97
18) Benzo(a)anthracene	21.25	228	6014	0.88	ng/ul#	86
19) Chrysene	21.30	228	5612	0.66	ng/ul#	90
21) Benzo(b)fluoranthene	22.84	252	9513m	1.17	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	2423m	0.29	ng/ul	
23) Benzo(a)pyrene	23.41	252	4505	0.59	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.76	276	4028	0.43	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.76	278	1263	0.17	ng/ul#	56
26) Benzo(g,h,i)perylene	26.44	276	3554	0.43	ng/ul	96

SJ 12/12/16

} SJ 12/12/16

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