

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 :

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

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	736	0.09	ng/ul	-0.02

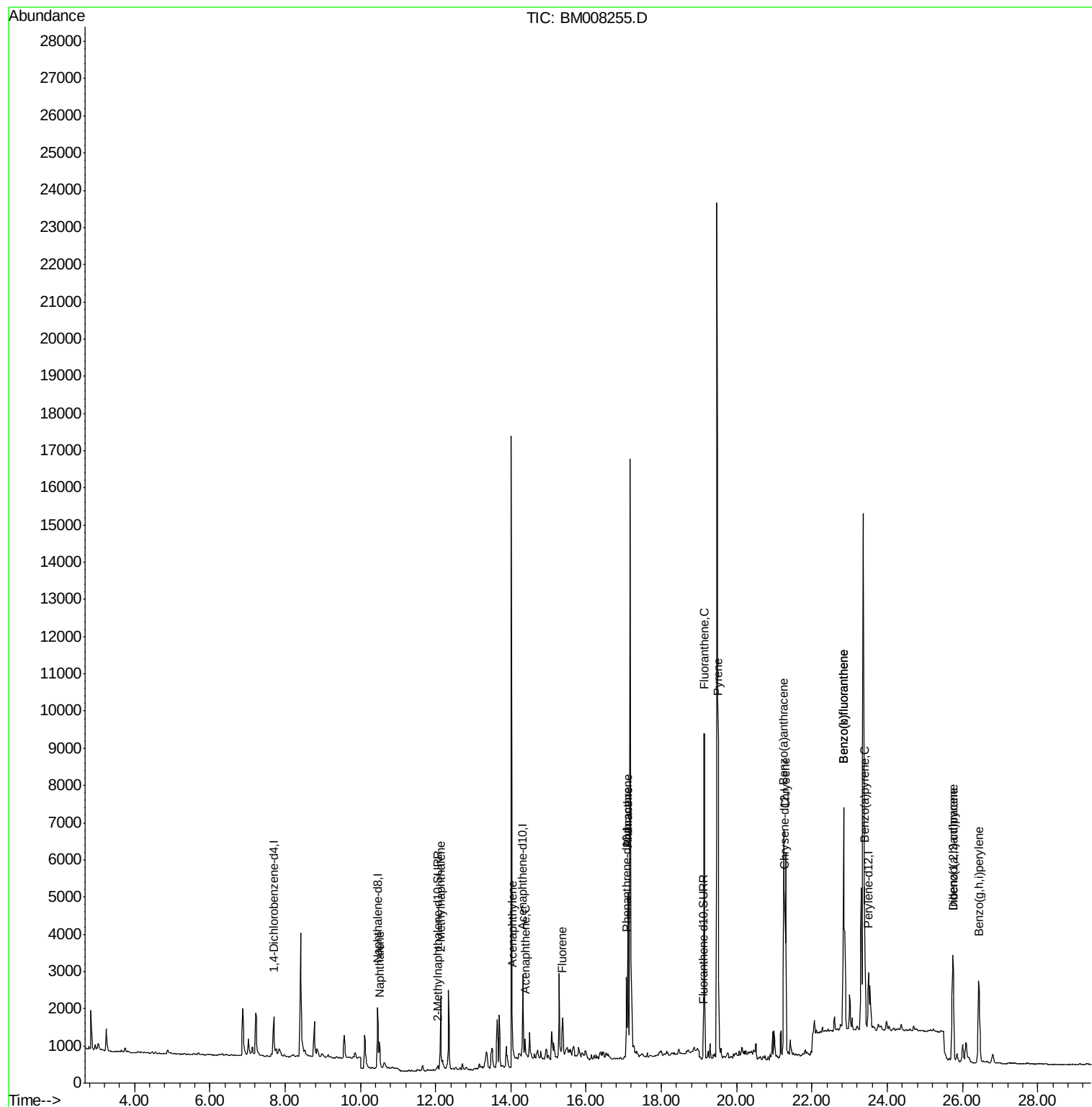
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	1055	0.15	ng/ul#	88
5) 2-Methylnaphthalene	12.13	142	1629	0.37	ng/ul	98
7) Acenaphthylene	14.04	152	979	0.14	ng/ul#	81
8) Acenaphthene	14.38	153	331	0.06	ng/ul	93
9) Fluorene	15.38	166	869	0.15	ng/ul#	78
12) Phenanthrene	17.11	178	5094	0.58	ng/ul	99
13) Anthracene	17.11	178	5056	0.61	ng/ul	98
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	12981	1.69	ng/ul	90
22) Benzo(k)fluoranthene	22.84	252	12981	1.64	ng/ul#	92
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

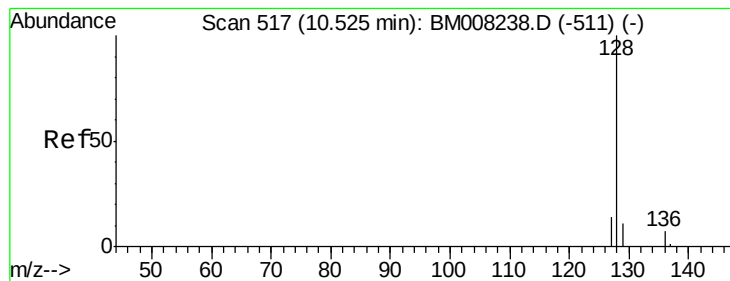
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.15 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

ClientSampleId :

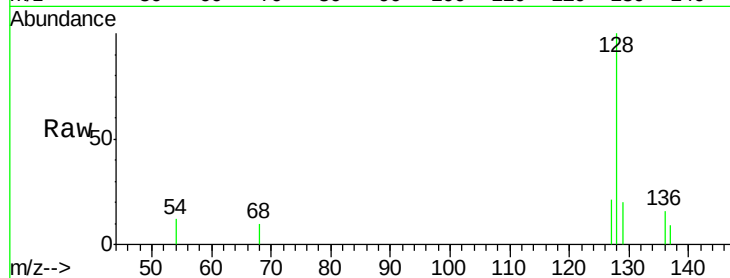
Tot Ion:128 Resp: 1055

Ion Ratio Lower Upper

128 100

129 19.7 11.3 16.9#

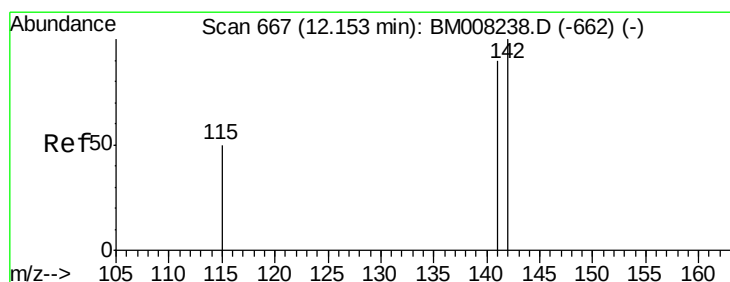
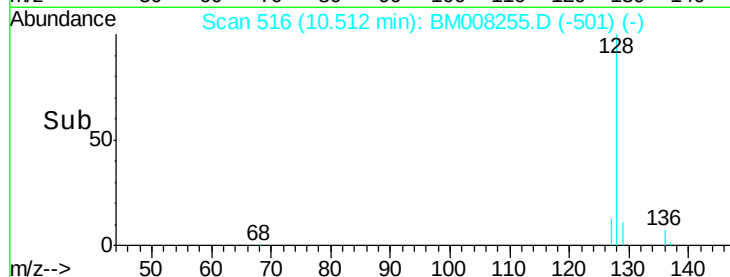
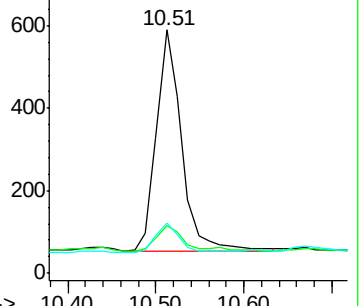
127 20.8 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.13 min Scan# 665

Delta R.T. -0.02 min

Lab File: BM008255.D

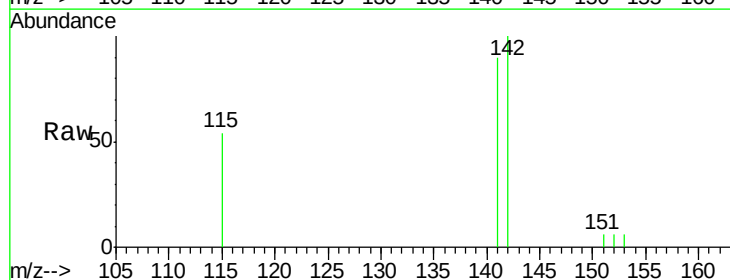
Acq: 11 Dec 2016 04:52

Tgt Ion:142 Resp: 1629

Ion Ratio Lower Upper

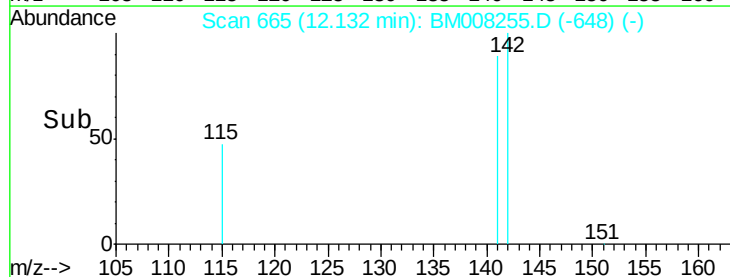
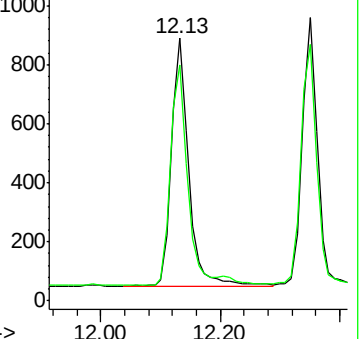
142 100

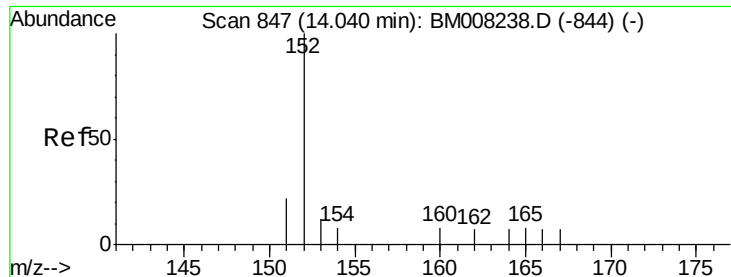
141 92.5 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

ClientSampleId :

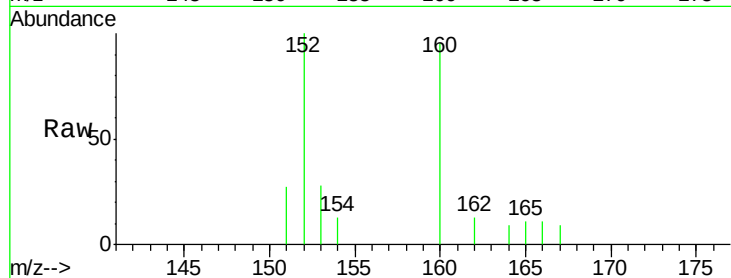
Tot Ion:152 Resp: 979

Ion Ratio Lower Upper

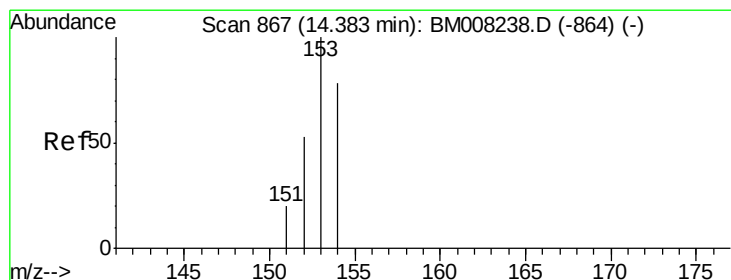
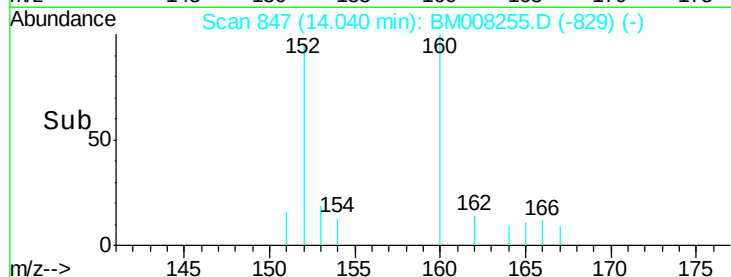
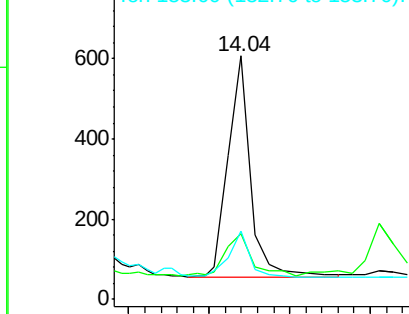
152 100

151 27.0 17.1 25.7#

153 28.0 12.8 19.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

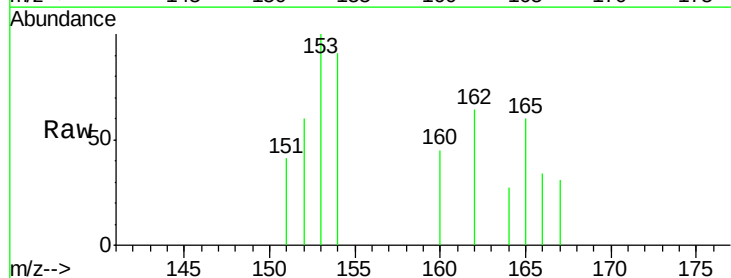
Tgt Ion:153 Resp: 331

Ion Ratio Lower Upper

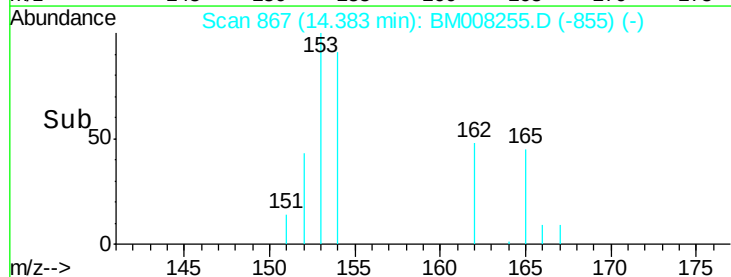
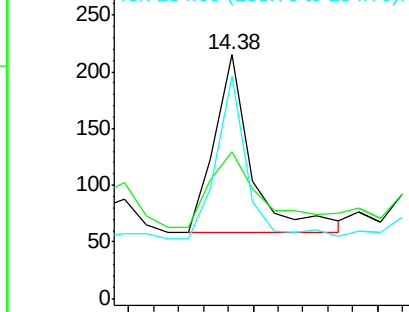
153 100

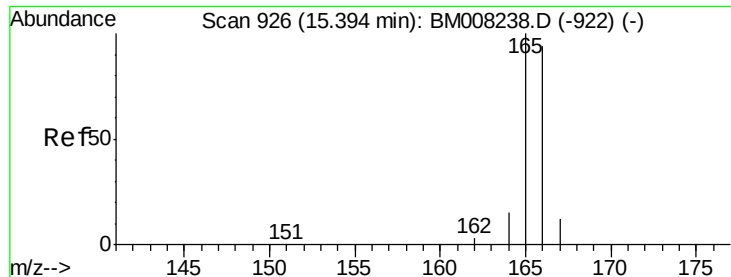
152 60.5 40.3 60.5

154 91.2 71.4 107.2



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

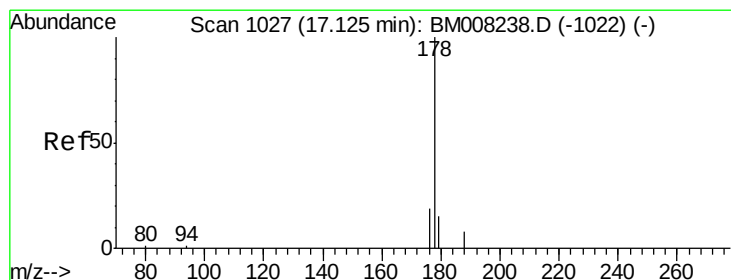
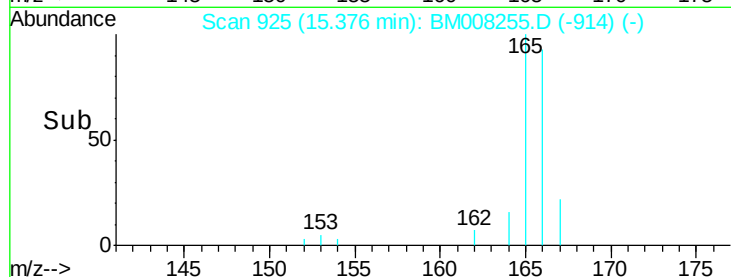
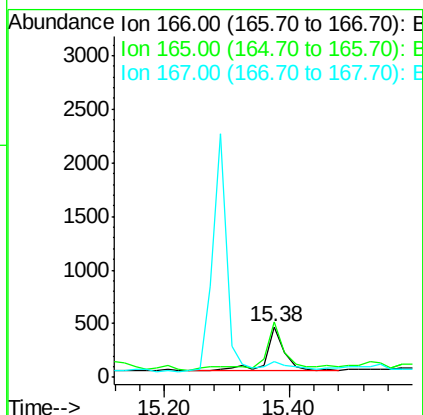
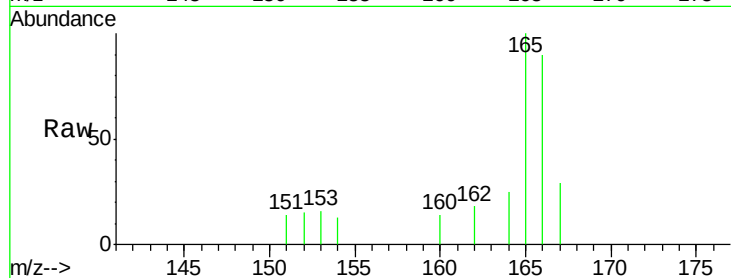




#9
Fluorene
 Concen: 0.15 ng/ul
 RT: 15.38 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM008255.D
 Acq: 11 Dec 2016 04:52

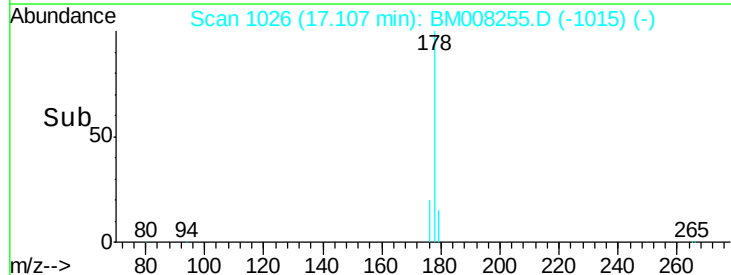
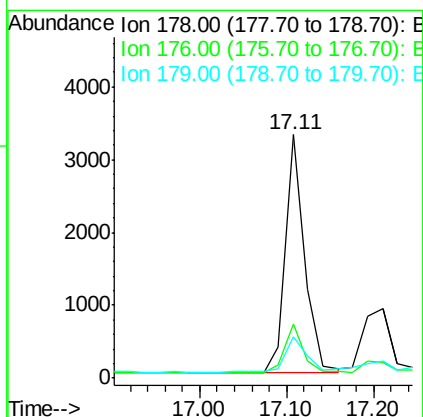
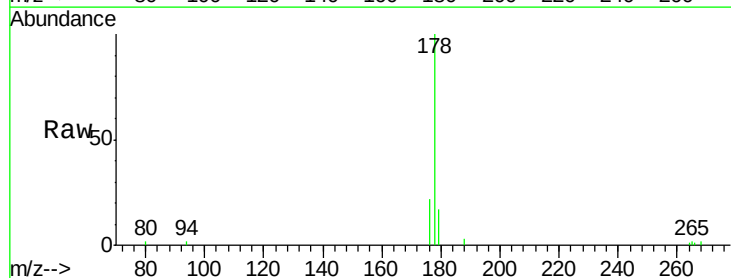
Instrument :
 BNA_M
 ClientSampleId :

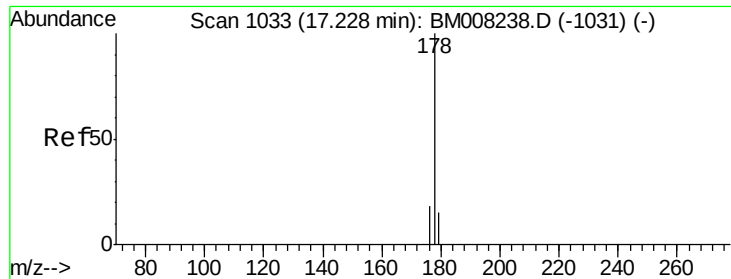
Tot Ion:166 Resp: 869
 Ion Ratio Lower Upper
 166 100
 165 110.6 73.4 110.2#
 167 32.6 14.6 22.0#



#12
Phenanthrene
 Concen: 0.58 ng/ul
 RT: 17.11 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BM008255.D
 Acq: 11 Dec 2016 04:52

Tgt Ion:178 Resp: 5094
 Ion Ratio Lower Upper
 178 100
 176 22.1 18.4 27.6
 179 17.0 13.6 20.4





#13

Anthracene

Concen: 0.61 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.12 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

ClientSampleId :

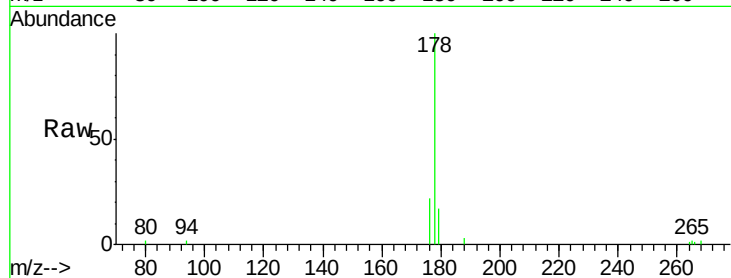
Tot Ion:178 Resp: 5056

Ion Ratio Lower Upper

178 100

176 22.1 18.1 27.1

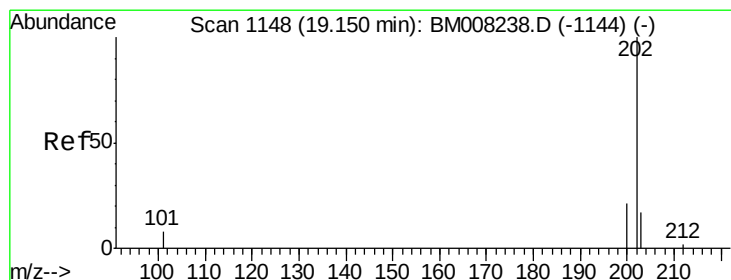
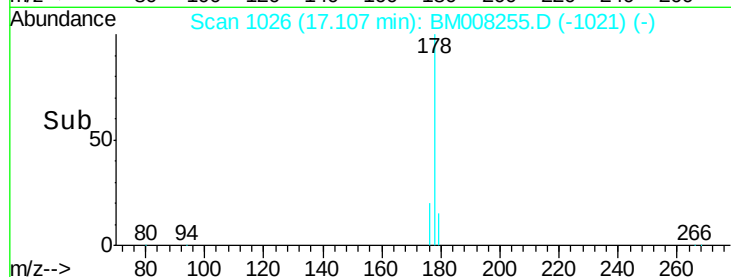
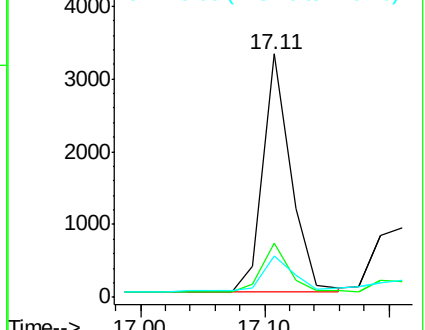
179 17.0 14.7 22.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Fluoranthene

Concen: 0.95 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

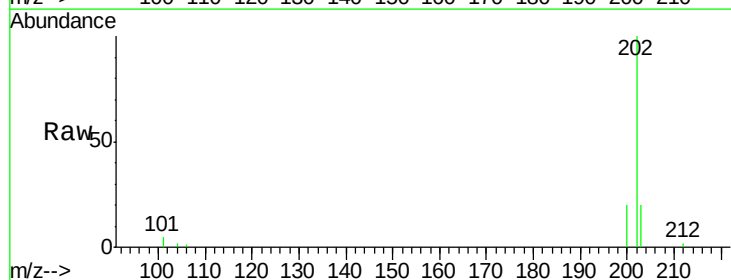
Tgt Ion:202 Resp: 10805

Ion Ratio Lower Upper

202 100

101 5.0 0.0 30.3

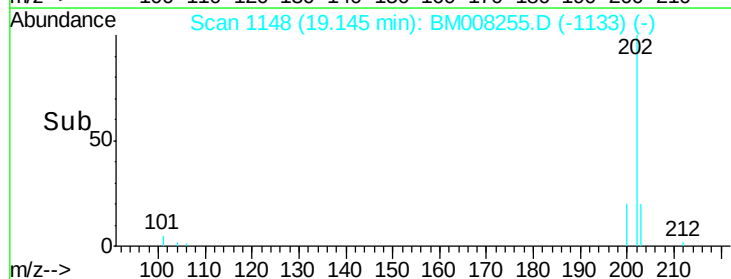
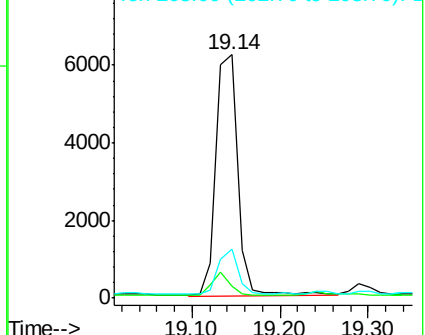
203 20.1 0.0 39.5

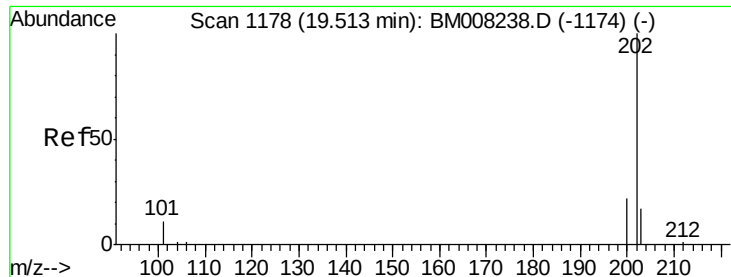


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pvrene

Concen: 1.27 ng/ul

RT: 19.51 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

ClientSampleId :

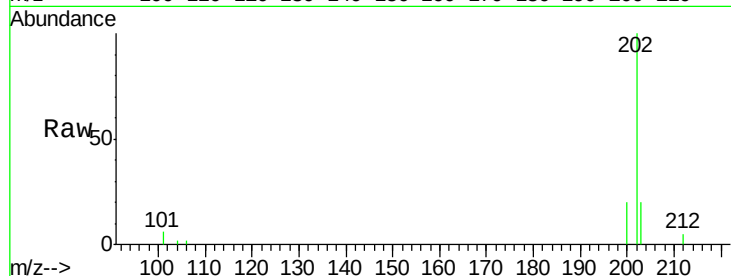
Tot Ion:202 Resp: 9655

Ion Ratio Lower Upper

202 100

200 20.0 18.2 27.4

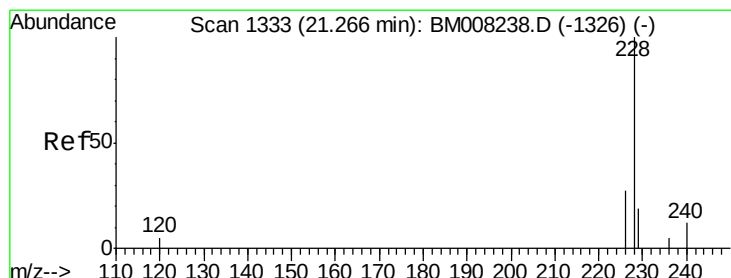
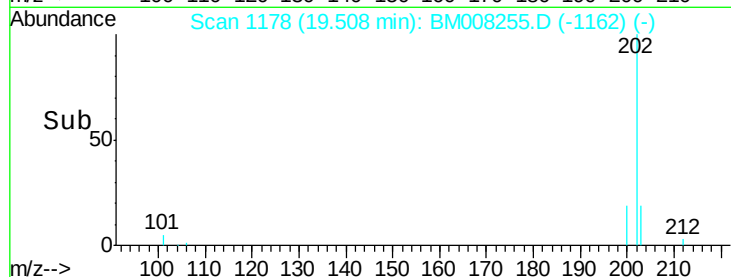
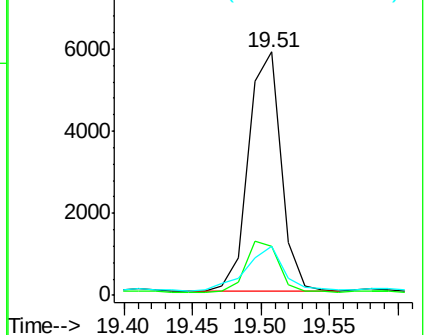
203 20.3 15.6 23.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Benzo(a)anthracene

Concen: 0.81 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

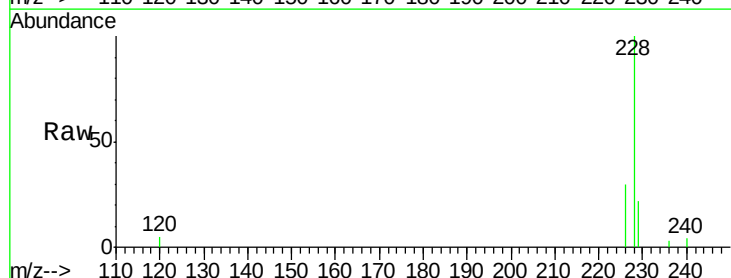
Tgt Ion:228 Resp: 5450

Ion Ratio Lower Upper

228 100

226 30.4 22.8 34.2

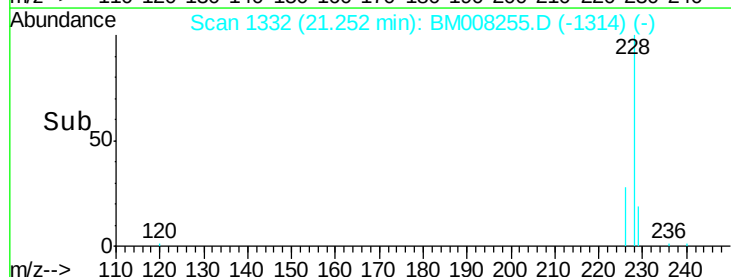
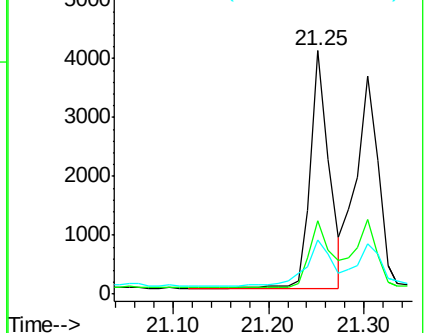
229 22.4 17.0 25.6

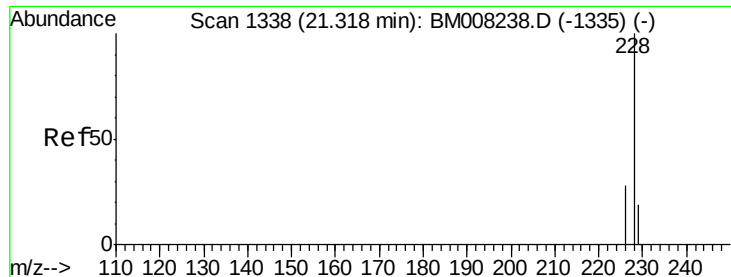


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 0.71 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

Instrument :

BNA_M

ClientSampleId :

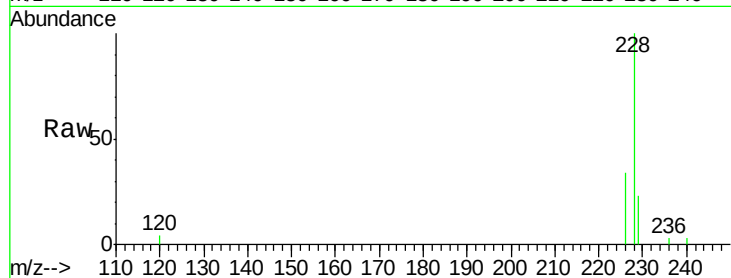
Tot Ion:228 Resp: 5900

Ion Ratio Lower Upper

228 100

226 34.0 23.4 35.0

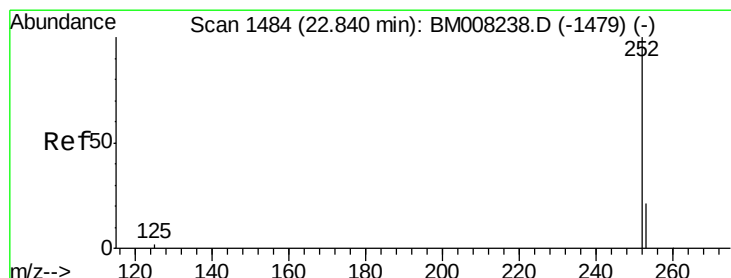
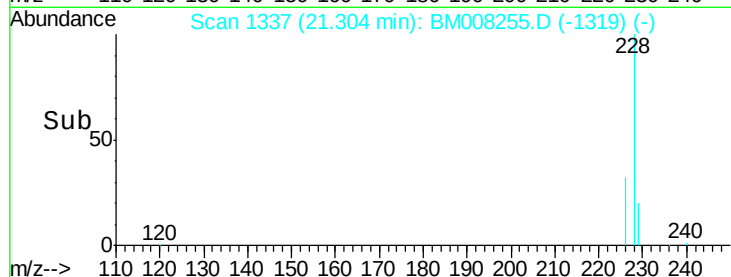
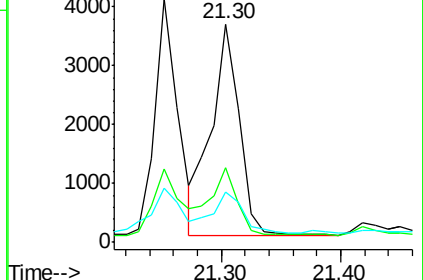
229 22.8 17.7 26.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 1.69 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008255.D

Acq: 11 Dec 2016 04:52

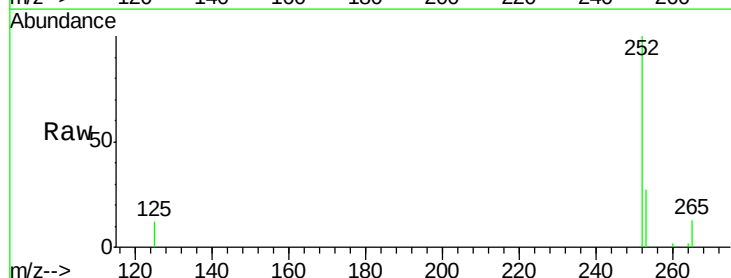
Tgt Ion:252 Resp: 12981

Ion Ratio Lower Upper

252 100

253 27.5 0.0 64.2

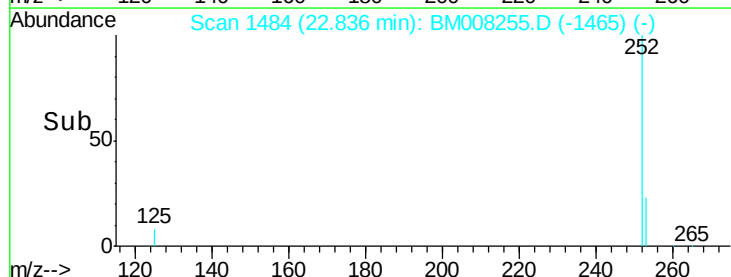
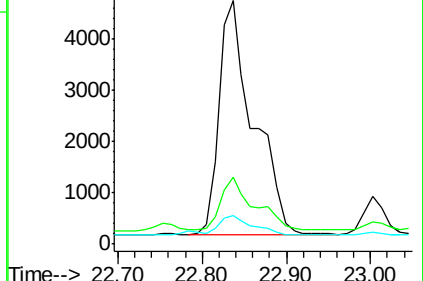
125 11.6 0.0 35.0

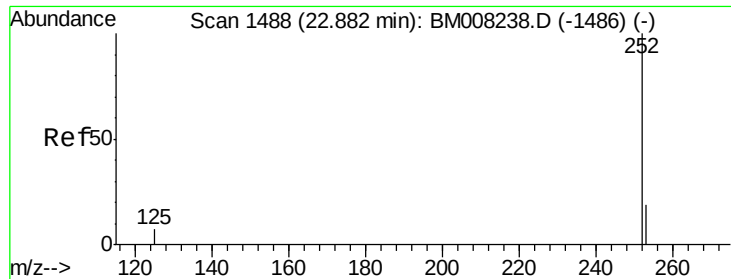


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.64 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.05 min

Lab File: BM008255.D

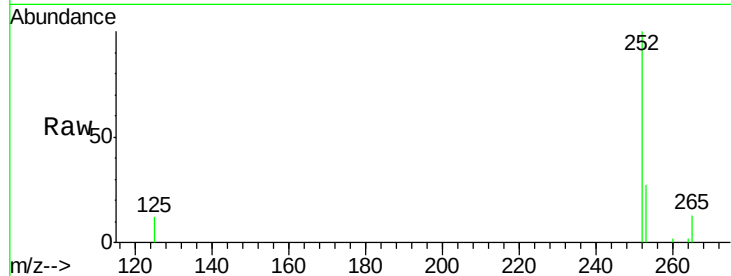
Acq: 11 Dec 2016 04:52

Instrument :

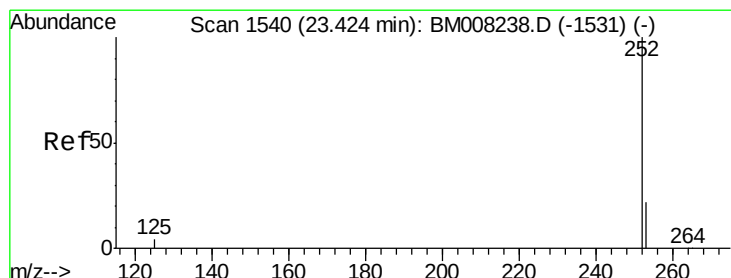
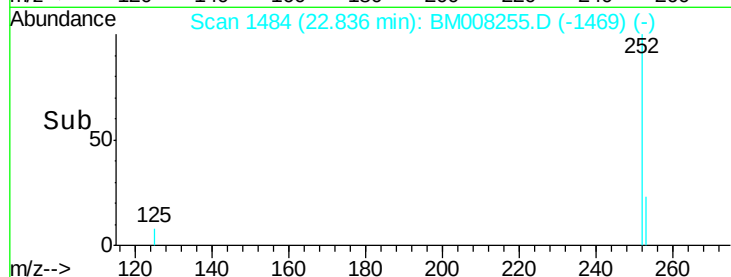
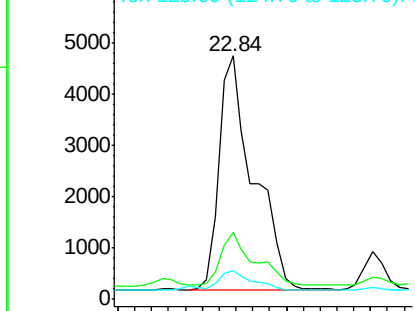
BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	12981
Ion Ratio	Lower	Upper	
252	100		
253	27.5	24.5	36.7
125	11.6	13.7	20.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 0.76 ng/ul

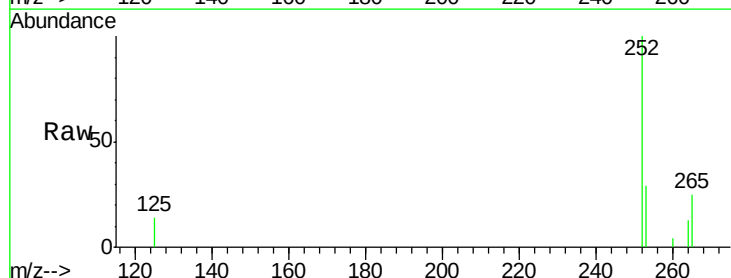
RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

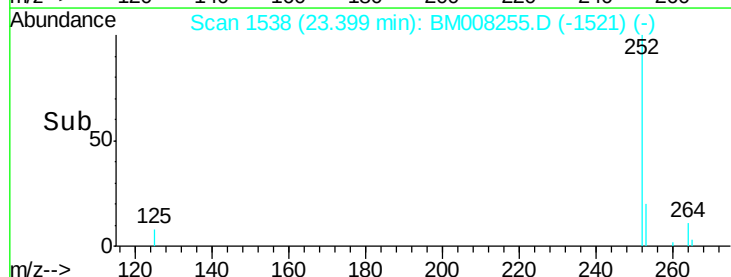
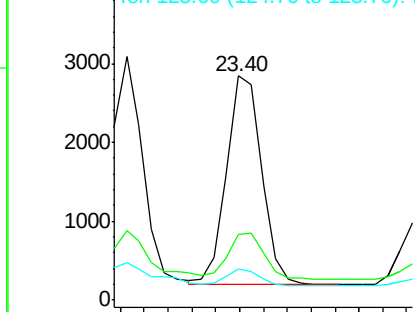
Lab File: BM008255.D

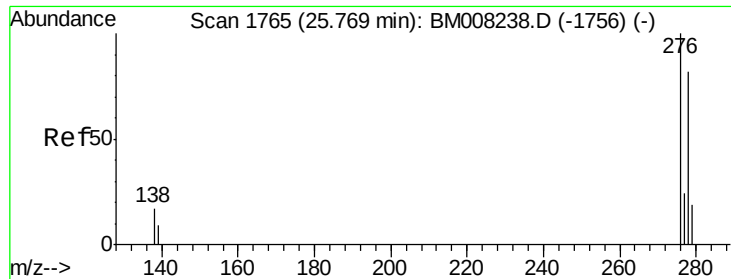
Acq: 11 Dec 2016 04:52

Tgt Ion:	252	Resp:	5423
Ion Ratio	Lower	Upper	
252	100		
253	29.4	28.5	42.7
125	14.0	18.1	27.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



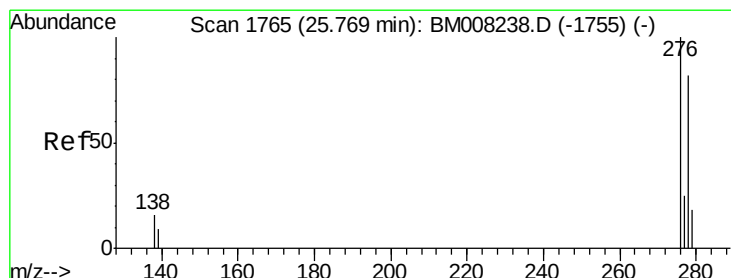
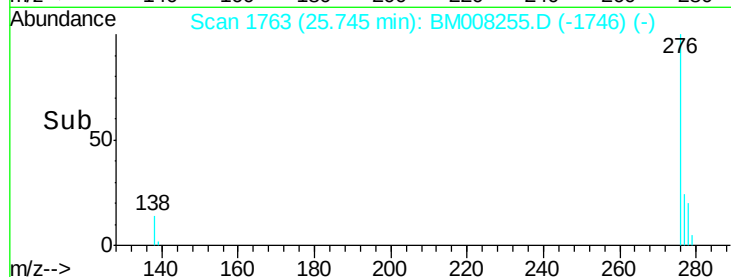
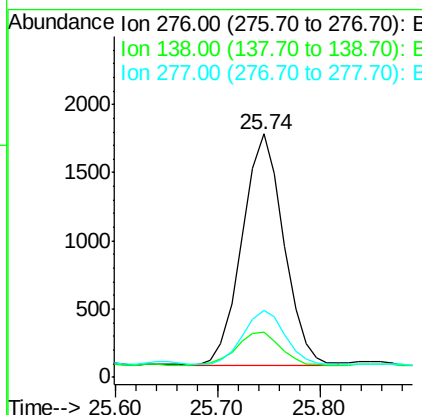
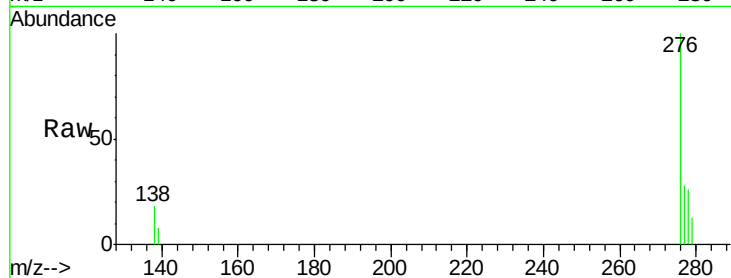


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.54 ng/ul
RT: 25.74 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Instrument :
BNA_M
ClientSampleId :

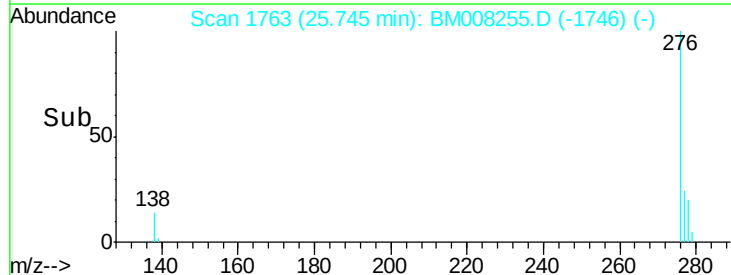
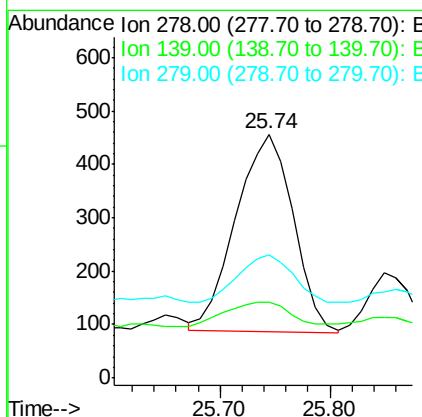
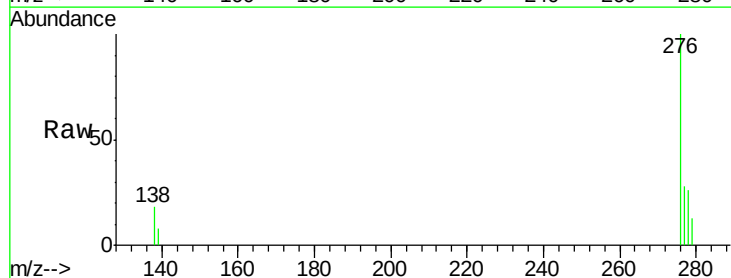
Tot Ion:276 Resp: 4814
Ion Ratio Lower Upper
276 100
138 15.1 19.1 28.7#
277 23.4 19.6 29.4

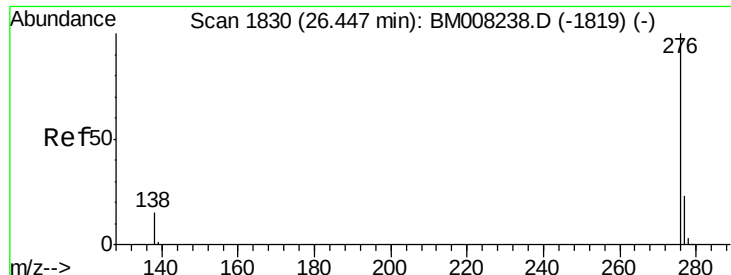


#25

Dibenzo(a,h)anthracene
Concen: 0.19 ng/ul
RT: 25.74 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008255.D
Acq: 11 Dec 2016 04:52

Tgt Ion:278 Resp: 1338
Ion Ratio Lower Upper
278 100
139 31.4 17.4 26.0#
279 50.4 25.9 38.9#

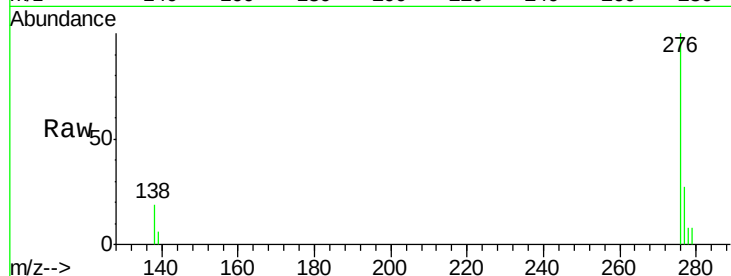




#26
 Benzo(a,h,i)perylene
 Concen: 0.61 ng/ul
 RT: 26.43 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BM008255.D
 Acq: 11 Dec 2016 04:52

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	21.8	32.8
138	19.4	20.5	30.7



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

