

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 :

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

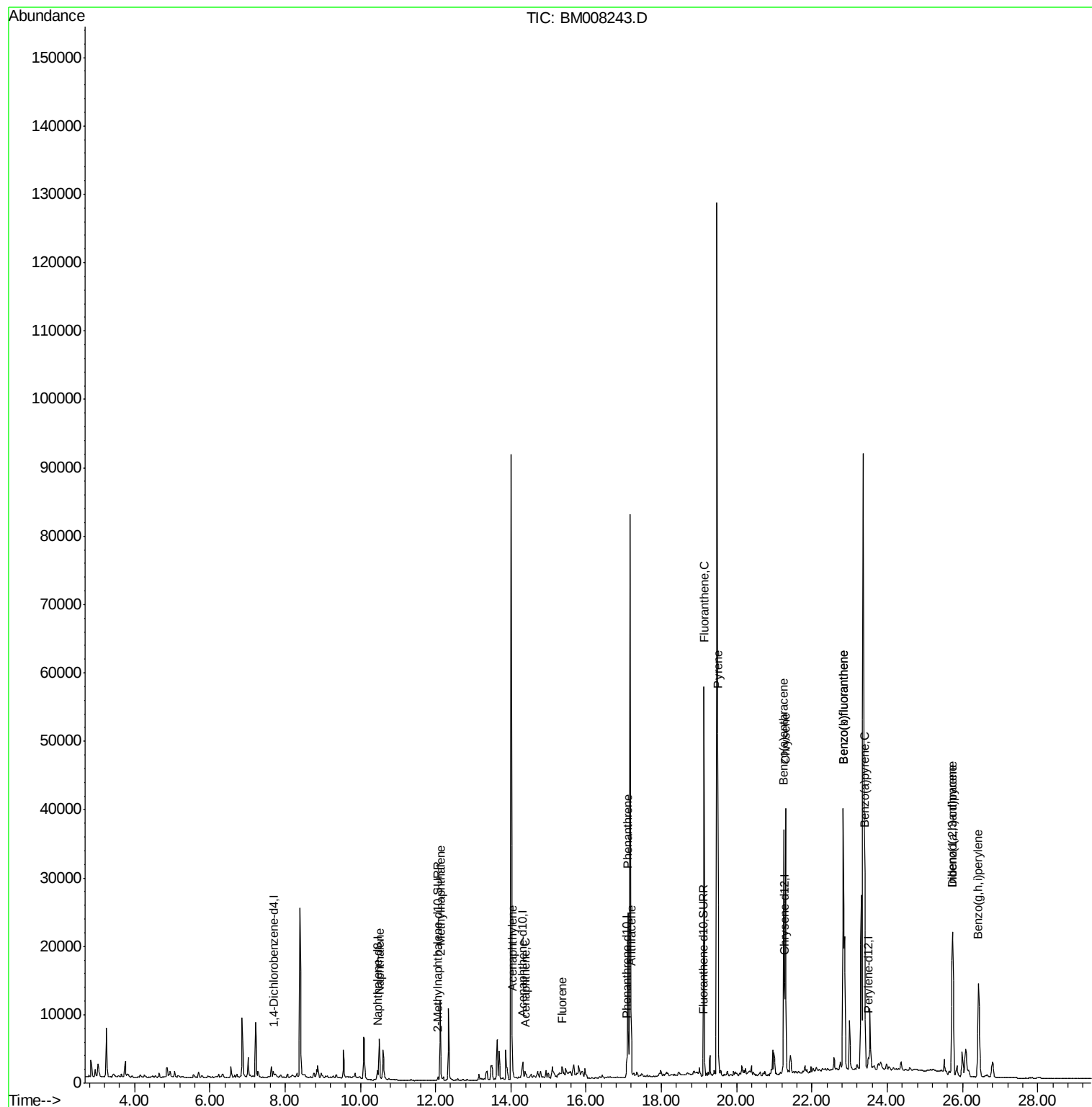
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	583	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	1992	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1347	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2443	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2394	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2144	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	793	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	2307	0.33	ng/ul	-0.01
Target Compounds						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	86770	10.14	ng/ul	81
22) Benzo(k)fluoranthene	22.83	252	86770	9.83	ng/ul#	83
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

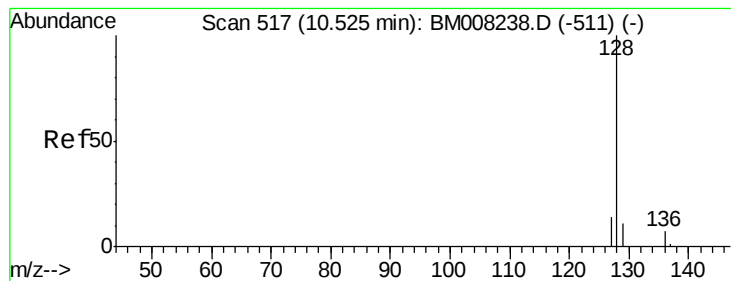
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.61 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

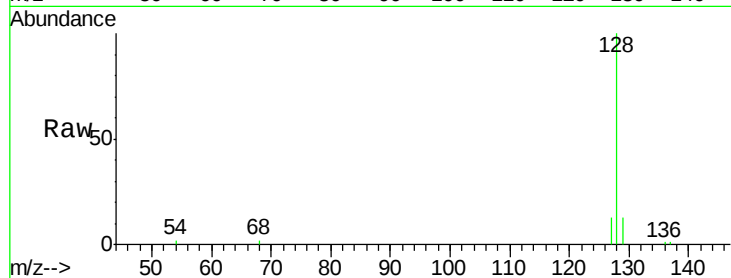
Tot Ion:128 Resp: 8991

Ion Ratio Lower Upper

128 100

129 13.0 11.3 16.9

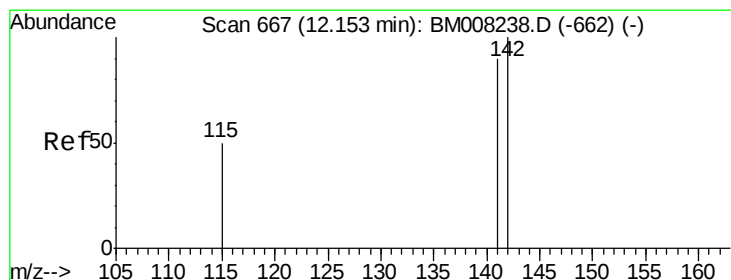
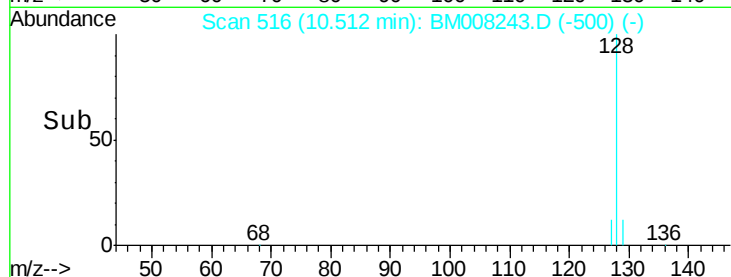
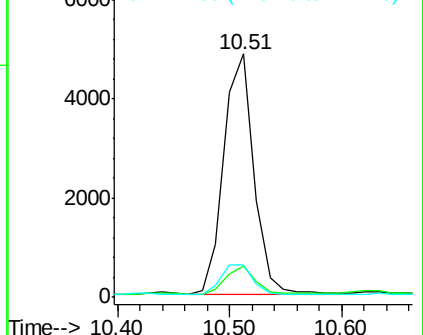
127 13.4 12.8 19.2



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: 2.43 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.03 min

Lab File: BM008243.D

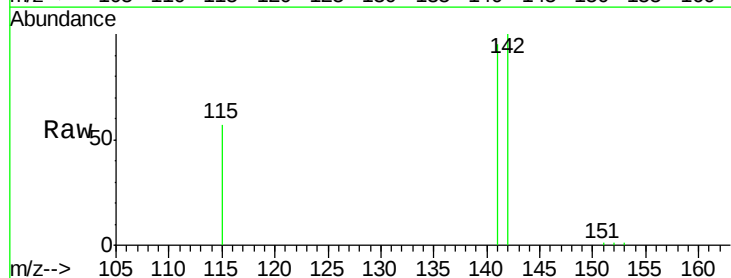
Acq: 10 Dec 2016 21:41

Tgt Ion:142 Resp: 8738

Ion Ratio Lower Upper

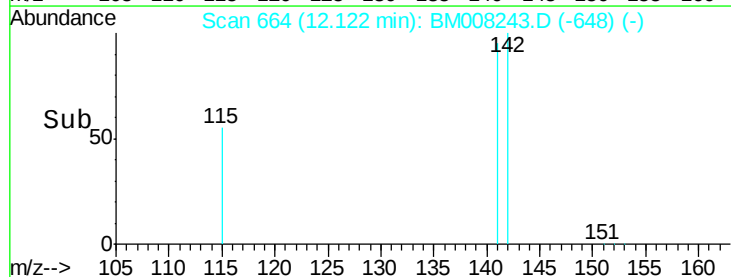
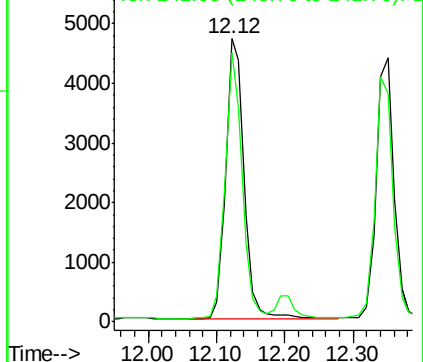
142 100

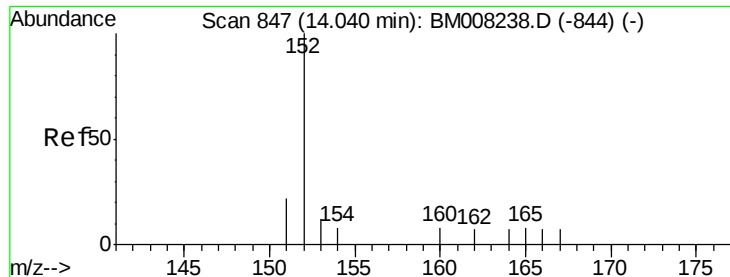
141 88.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.02 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

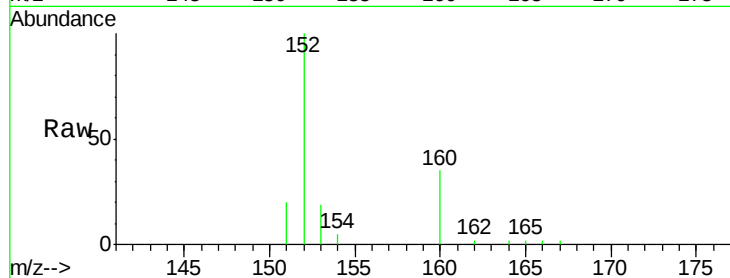
Tot Ion:152 Resp: 6237

Ion Ratio Lower Upper

152 100

151 19.9 17.1 25.7

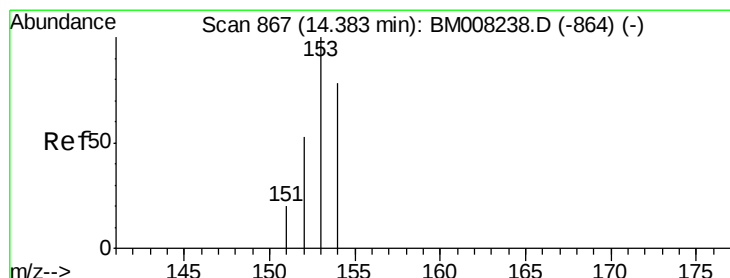
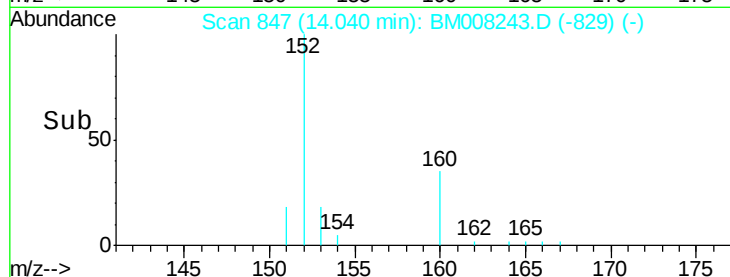
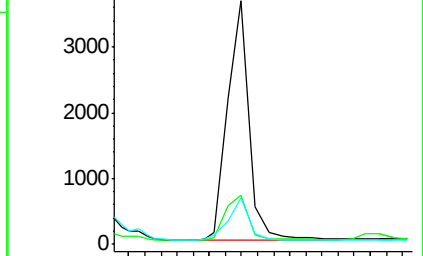
153 19.0 12.8 19.2



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: 0.21 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

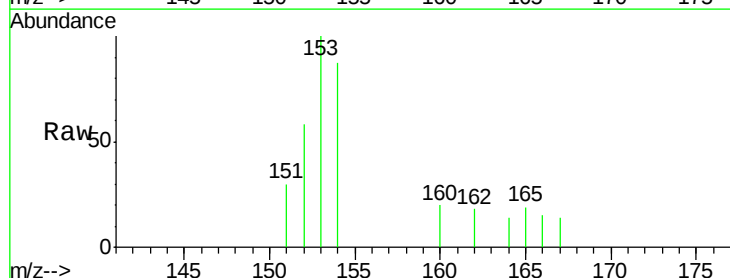
Tgt Ion:153 Resp: 955

Ion Ratio Lower Upper

153 100

152 57.5 40.3 60.5

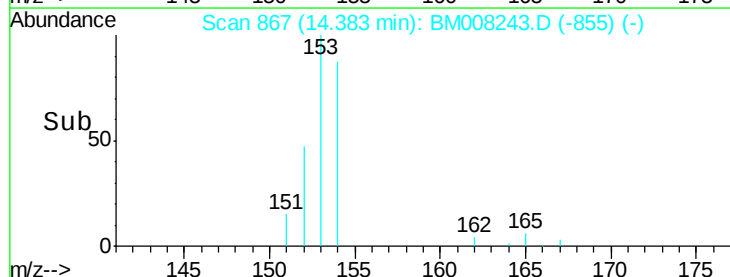
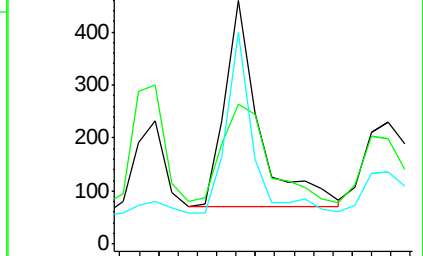
154 87.1 71.4 107.2

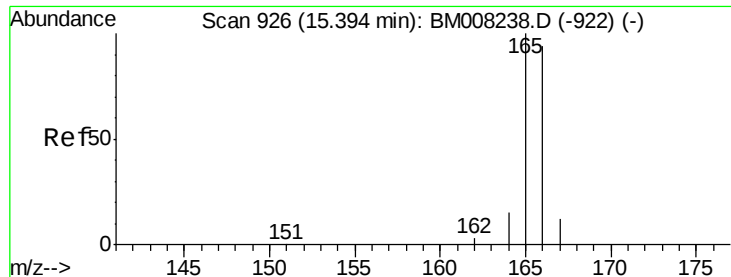


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampled :

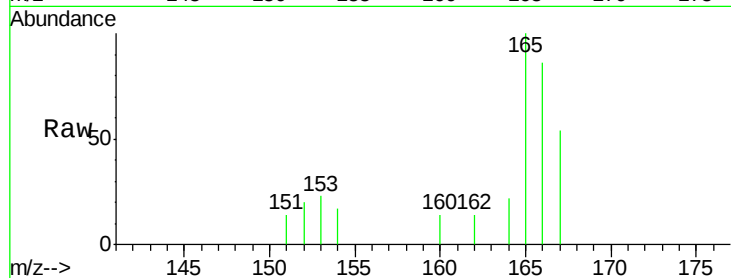
Tot Ion:166 Resp: 813

Ion Ratio Lower Upper

166 100

165 116.9 73.4 110.2#

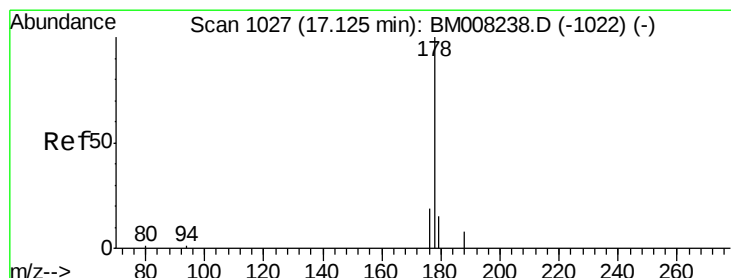
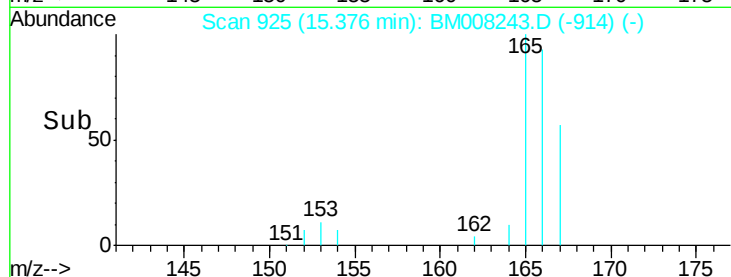
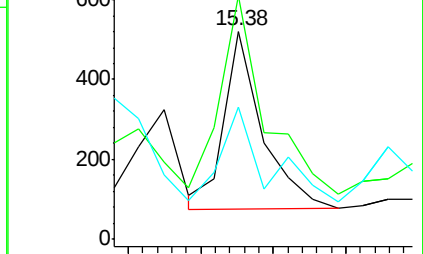
167 63.3 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 3.48 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

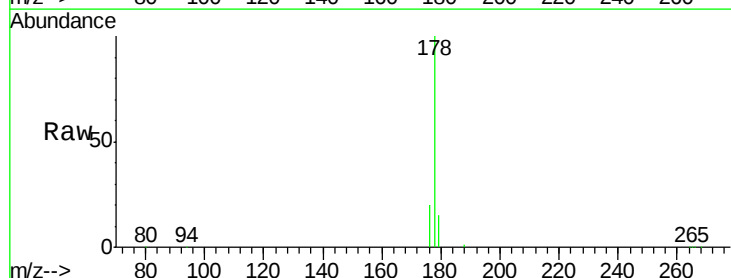
Tgt Ion:178 Resp: 26445

Ion Ratio Lower Upper

178 100

176 20.3 18.4 27.6

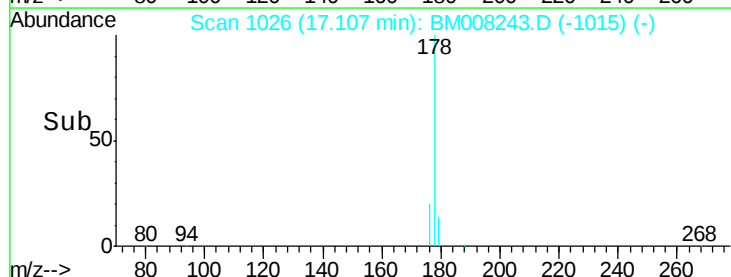
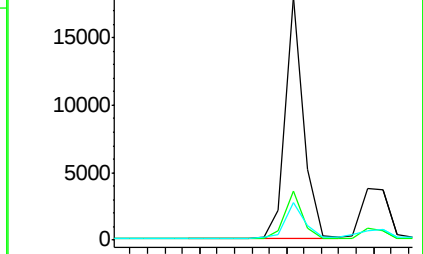
179 15.2 13.6 20.4

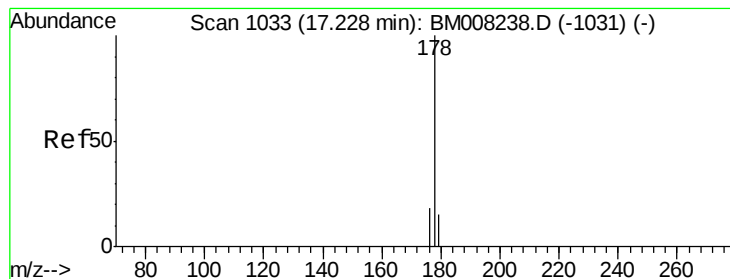


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#13

Anthracene

Concen: 1.13 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

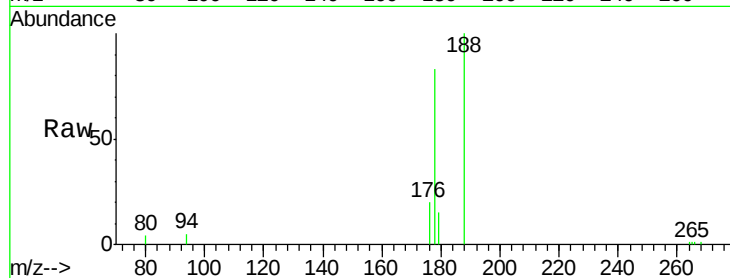
Tot Ion:178 Resp: 8104

Ion Ratio Lower Upper

178 100

176 23.7 18.1 27.1

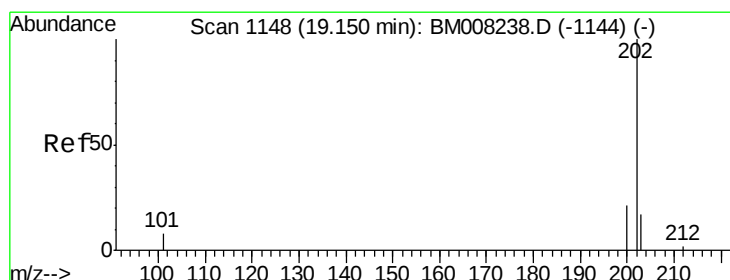
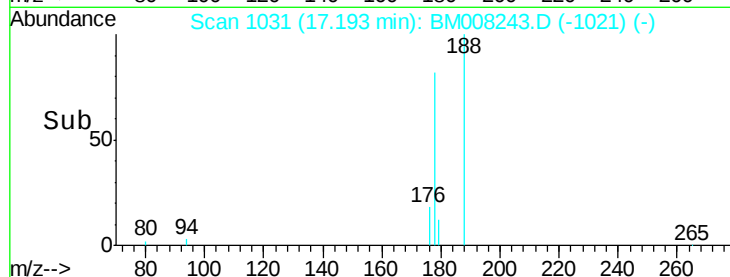
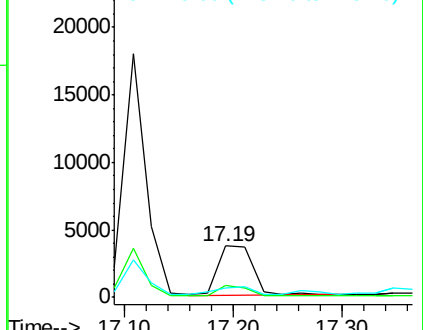
179 17.8 14.7 22.1



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: 5.44 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

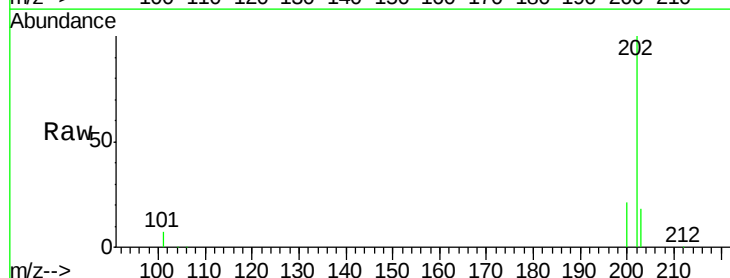
Tgt Ion:202 Resp: 53448

Ion Ratio Lower Upper

202 100

101 6.6 0.0 30.3

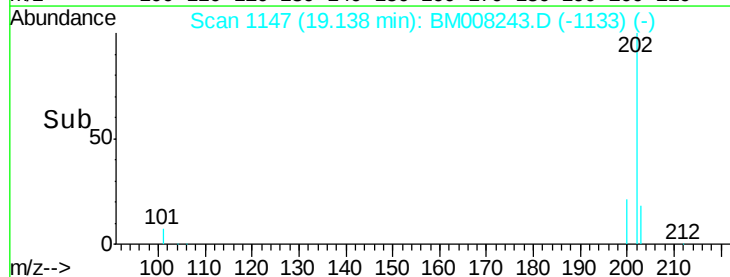
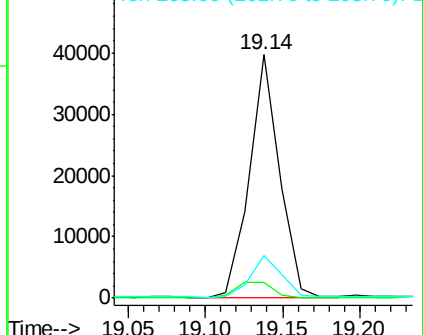
203 17.5 0.0 39.5

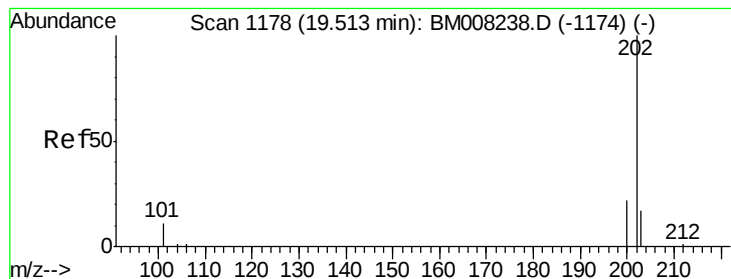


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pvrene

Concen: 5.39 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

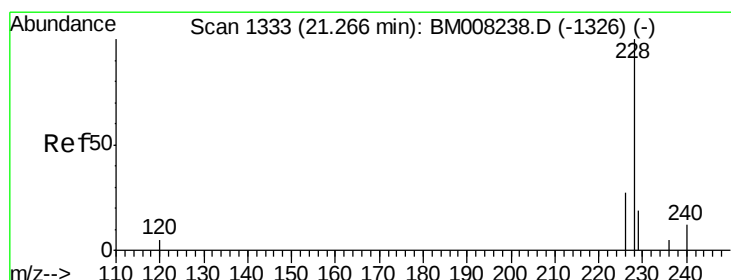
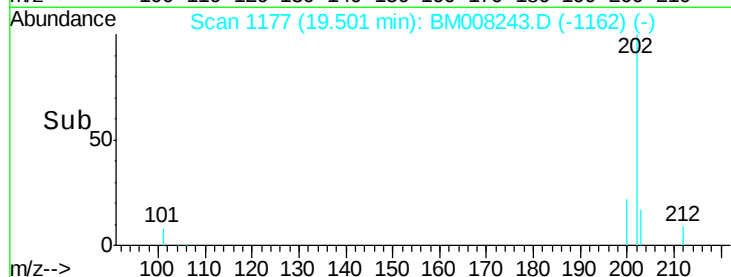
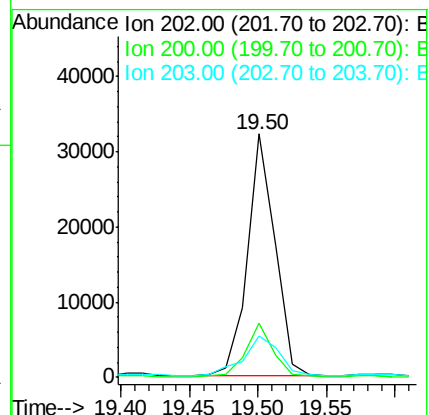
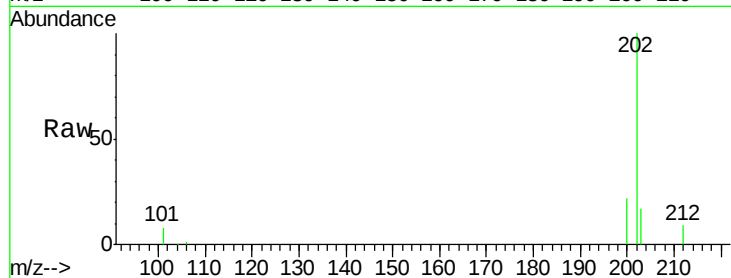
Tot Ion:202 Resp: 44806

Ion Ratio Lower Upper

202 100

200 22.3 18.2 27.4

203 17.1 15.6 23.4



#18

Benzo(a)anthracene

Concen: 4.86 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

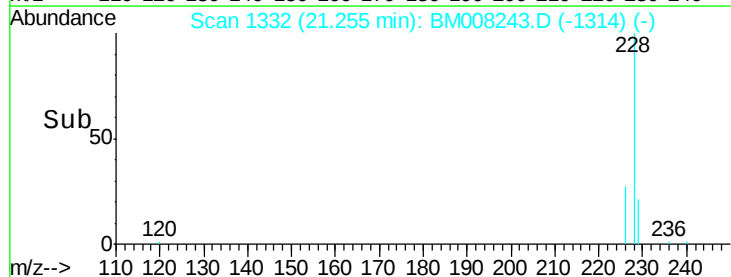
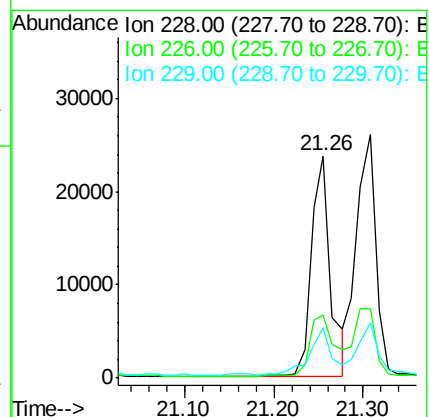
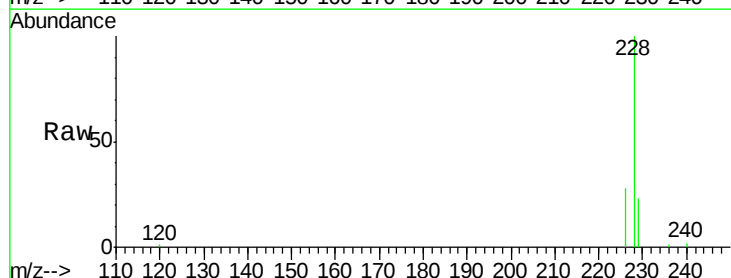
Tgt Ion:228 Resp: 35707

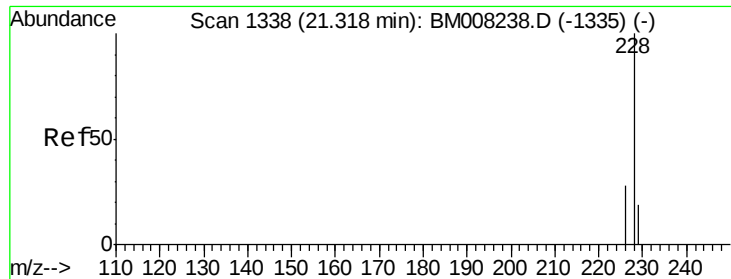
Ion Ratio Lower Upper

228 100

226 28.3 22.8 34.2

229 22.8 17.0 25.6





#19

Chrysene

Concen: 4.26 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

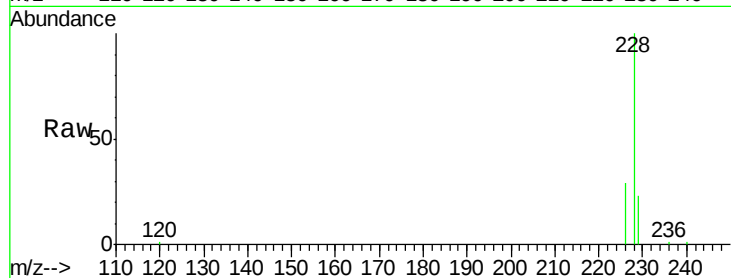
Tot Ion:228 Resp: 38899

Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.0

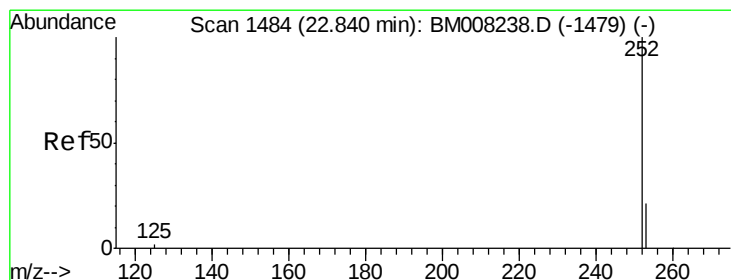
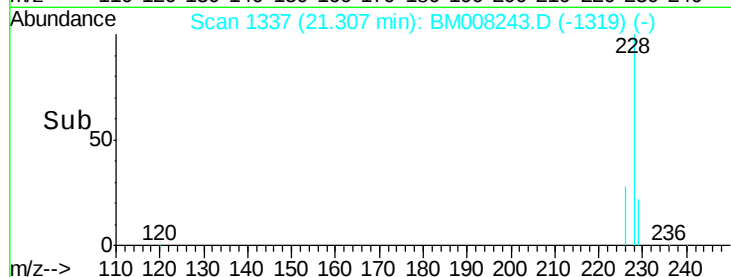
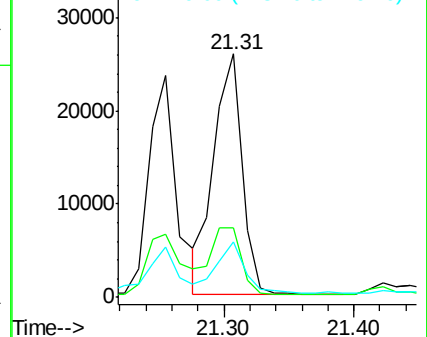
229 22.8 17.7 26.5



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: 10.14 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

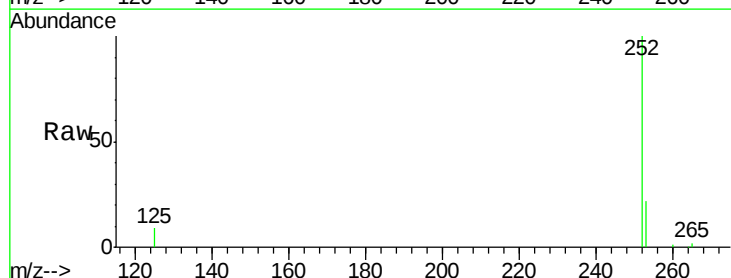
Tgt Ion:252 Resp: 86770

Ion Ratio Lower Upper

252 100

253 22.2 0.0 64.2

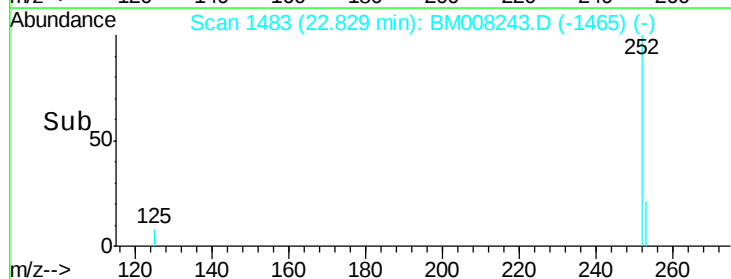
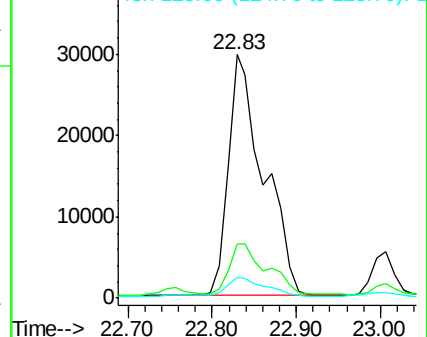
125 8.7 0.0 35.0

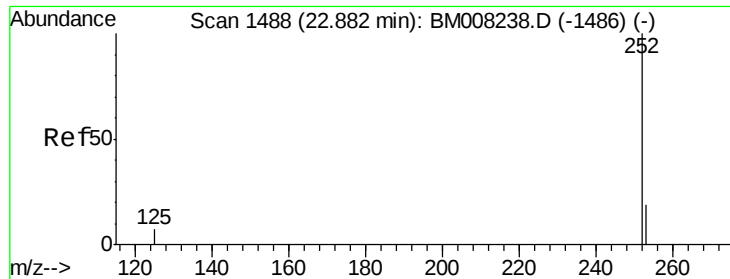


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 9.83 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.05 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

Instrument :

BNA_M

ClientSampleId :

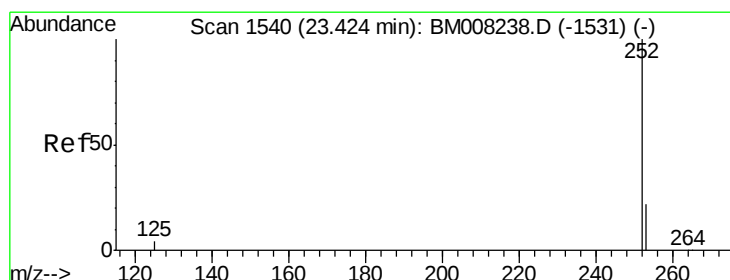
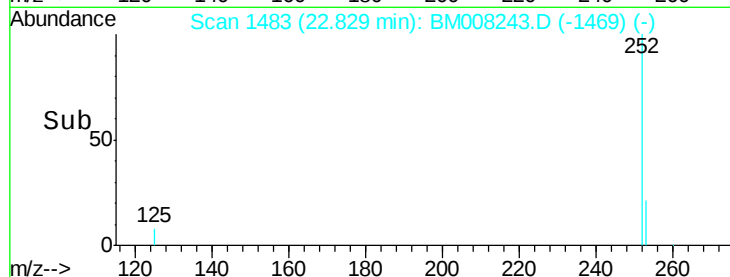
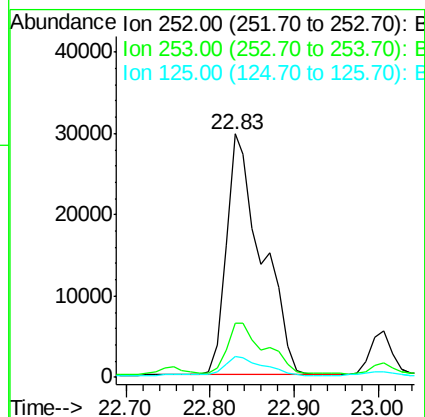
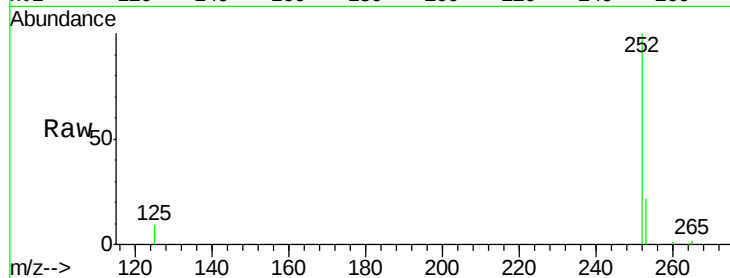
Tot Ion:252 Resp: 86770

Ion Ratio Lower Upper

252 100

253 22.2 24.5 36.7#

125 8.7 13.7 20.5#



#23

Benzo(a)pyrene

Concen: 4.94 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008243.D

Acq: 10 Dec 2016 21:41

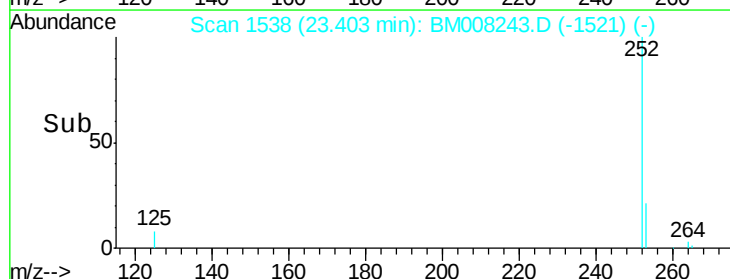
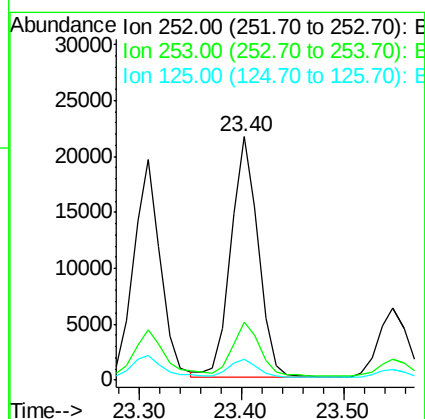
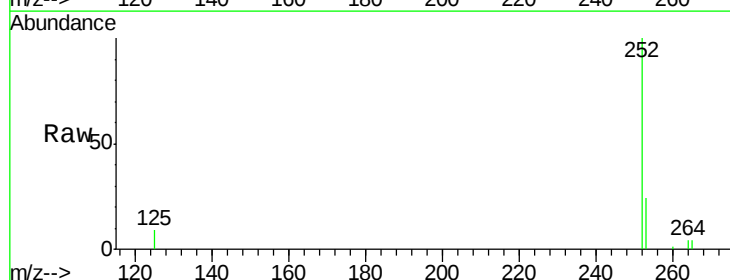
Tgt Ion:252 Resp: 39595

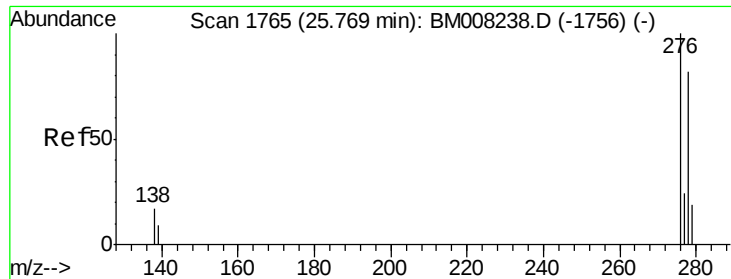
Ion Ratio Lower Upper

252 100

253 23.6 28.5 42.7#

125 8.7 18.1 27.1#

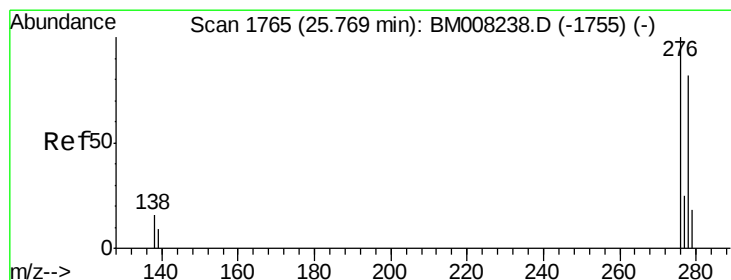
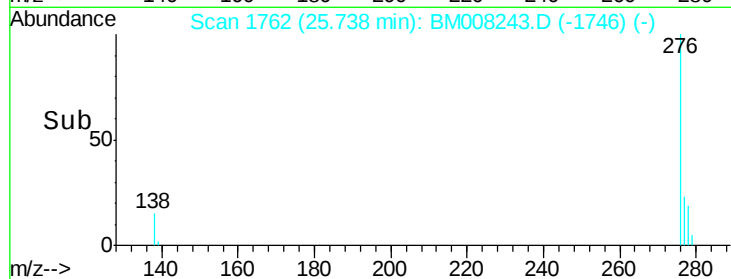
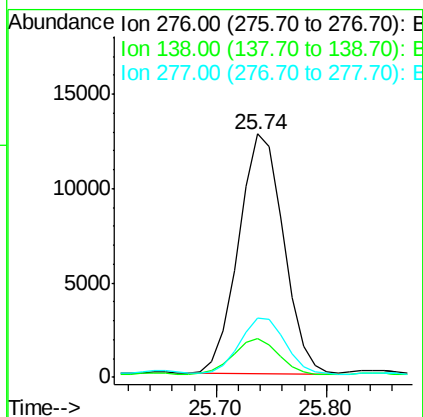
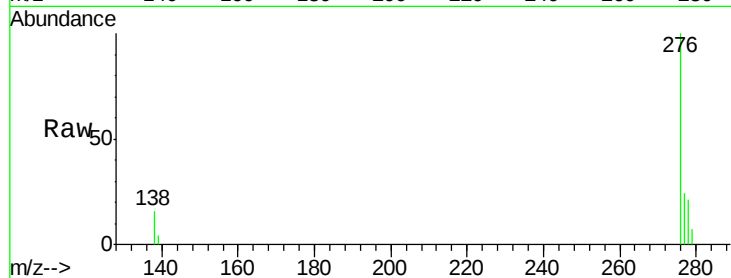




#24
Indeno(1,2,3-cd)pyrene
Concen: 3.62 ng/ul
RT: 25.74 min Scan# 1762
Delta R.T. -0.03 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

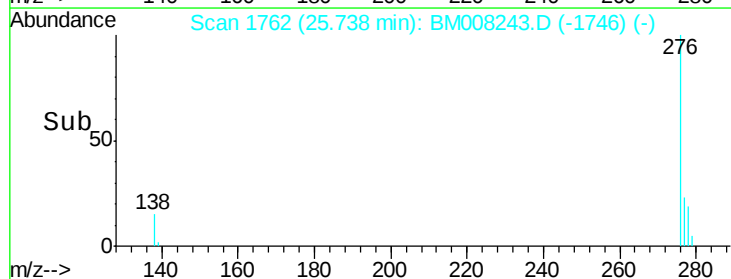
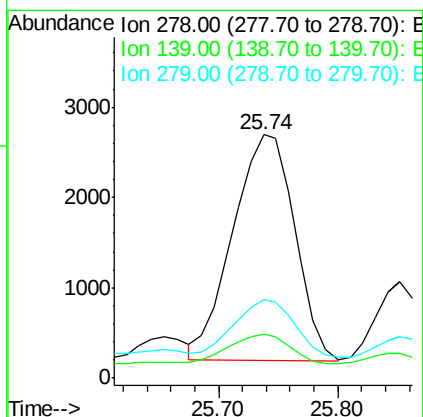
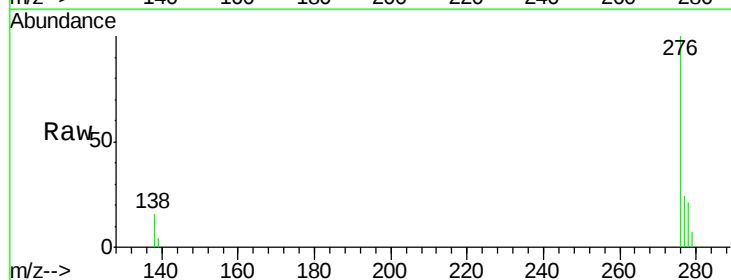
Instrument :
BNA_M
ClientSampleId :

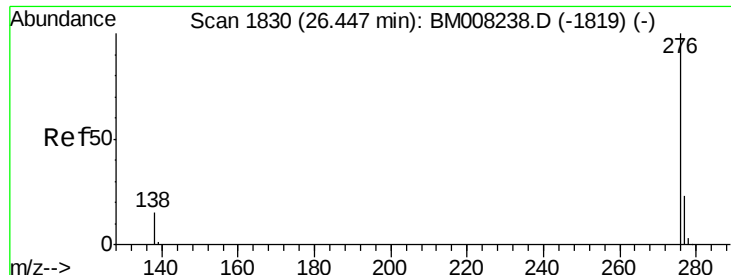
Tot Ion:276 Resp: 35878
Ion Ratio Lower Upper
276 100
138 15.0 19.1 28.7#
277 23.9 19.6 29.4



#25
Dibenzo(a,h)anthracene
Concen: 1.13 ng/ul
RT: 25.74 min Scan# 1762
Delta R.T. -0.03 min
Lab File: BM008243.D
Acq: 10 Dec 2016 21:41

Tgt Ion:278 Resp: 9005
Ion Ratio Lower Upper
278 100
139 18.3 17.4 26.0
279 32.1 25.9 38.9

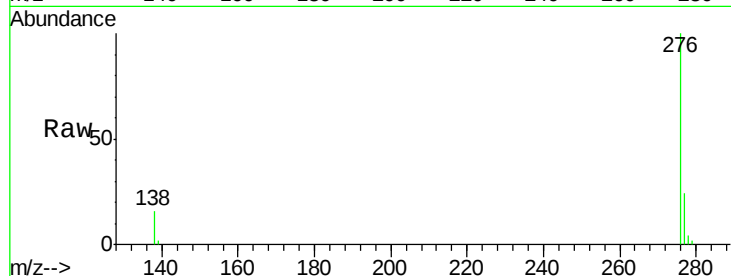




#26
 Benzo(a,h,i)perylene
 Concen: 3.47 ng/ul
 RT: 26.43 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BM008243.D
 Acq: 10 Dec 2016 21:41

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	21.8	32.8
138	16.5	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

