

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008250.D
 Acq On : 11 Dec 2016 01:52
 Operator : UM/SJ
 Sample : H5863-12DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:55:56 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	739	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2359	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1359	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2364	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2272	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2187	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	202	0.06	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	1845	0.28	ng/ul	-0.01

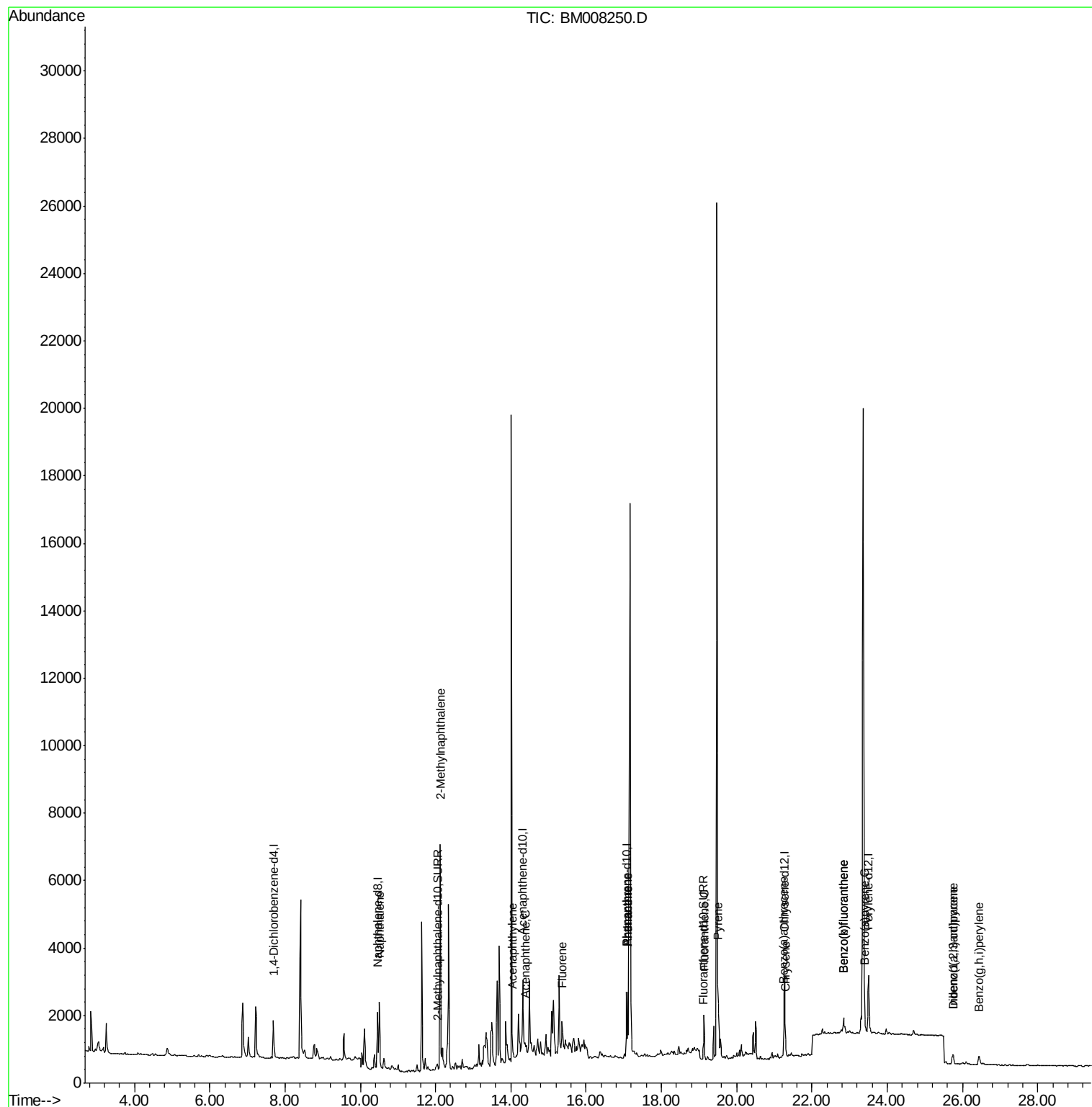
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.51	128	2884	0.44	ng/ul	99
5) 2-Methylnaphthalene	12.12	142	4922	1.16	ng/ul	98
7) Acenaphthylene	14.04	152	325	0.05	ng/ul#	20
8) Acenaphthene	14.38	153	306	0.07	ng/ul#	86
9) Fluorene	15.38	166	568	0.11	ng/ul#	61
12) Phenanthrene	17.11	178	2243	0.30	ng/ul#	94
13) Anthracene	17.11	178	2160	0.31	ng/ul	95
15) Fluoranthene	19.14	202	1724	0.18	ng/ul	85
17) Pyrene	19.50	202	1506	0.19	ng/ul#	87
18) Benzo(a)anthracene	21.26	228	595	0.09	ng/ul#	57
19) Chrysene	21.31	228	627	0.07	ng/ul#	62
21) Benzo(b)fluoranthene	22.84	252	1012	0.12	ng/ul#	34
22) Benzo(k)fluoranthene	22.84	252	1012	0.11	ng/ul#	30
23) Benzo(a)pyrene	23.40	252	415	0.05	ng/ul#	23
24) Indeno(1,2,3-cd)pyrene	25.75	276	501	0.05	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.75	278	164	0.02	ng/ul#	1
26) Benzo(a,h,i)perylene	26.44	276	576	0.06	ng/ul#	56

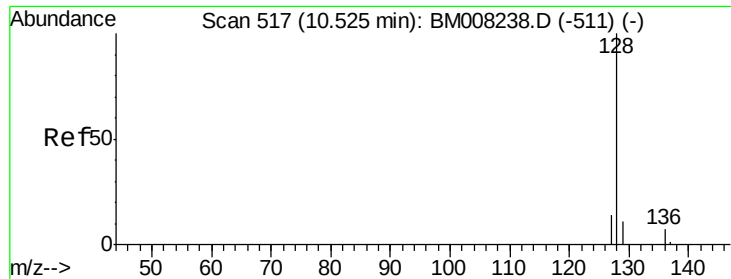
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.44 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :

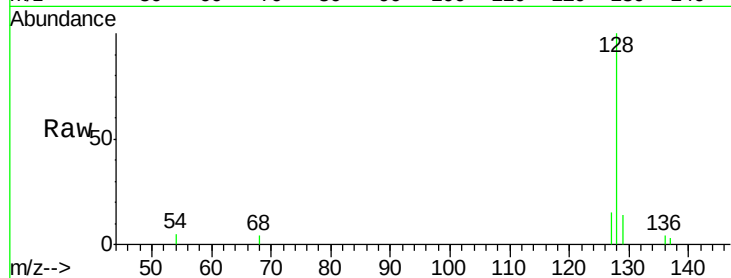
Tot Ion:128 Resp: 2884

Ion Ratio Lower Upper

128 100

129 14.2 11.3 16.9

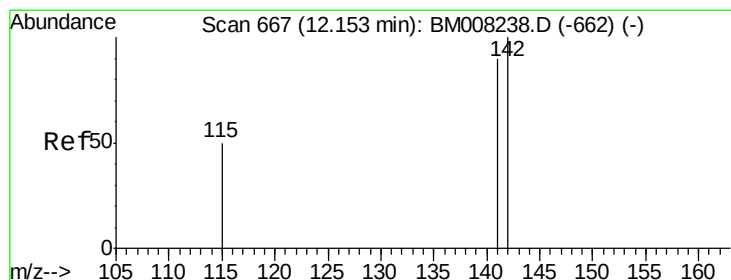
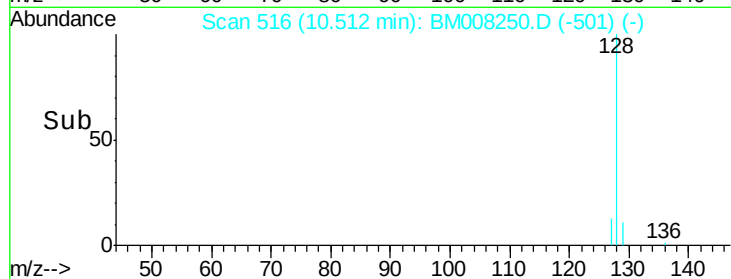
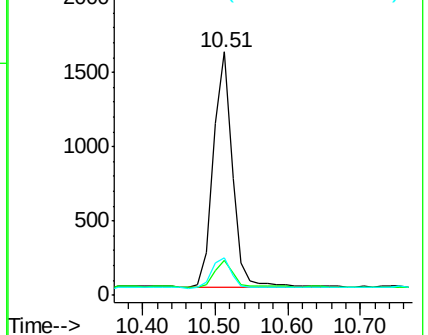
127 15.3 12.8 19.2



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: 1.16 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. -0.03 min

Lab File: BM008250.D

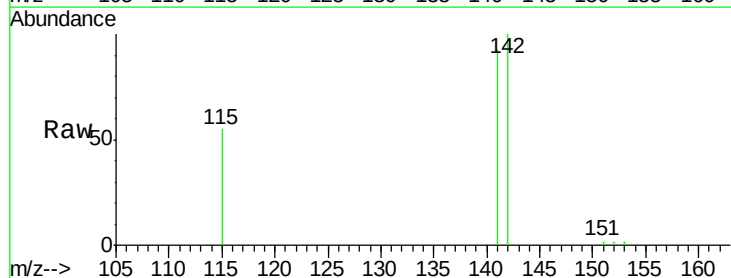
Acq: 11 Dec 2016 01:52

Tgt Ion:142 Resp: 4922

Ion Ratio Lower Upper

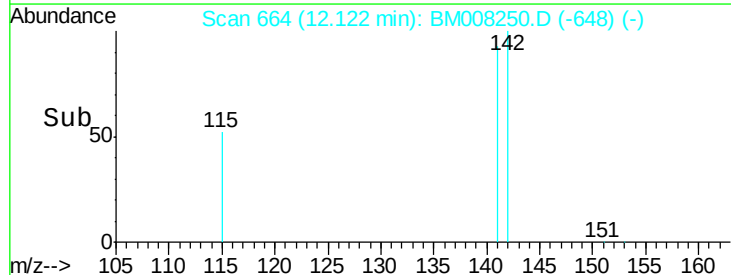
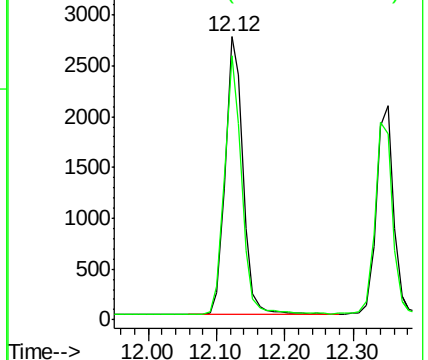
142 100

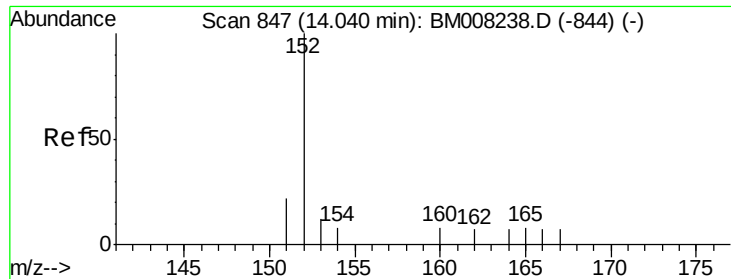
141 89.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampled :

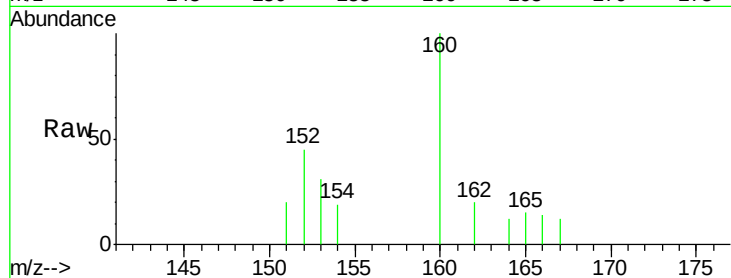
Tot Ion:152 Resp: 325

Ion Ratio Lower Upper

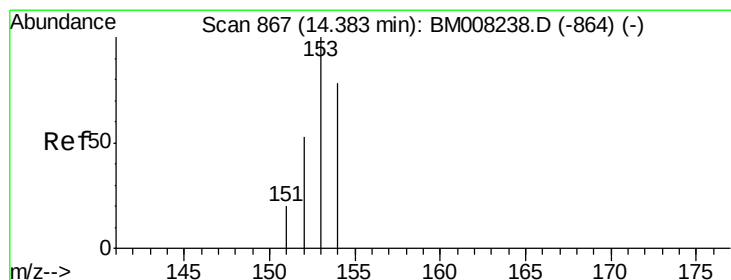
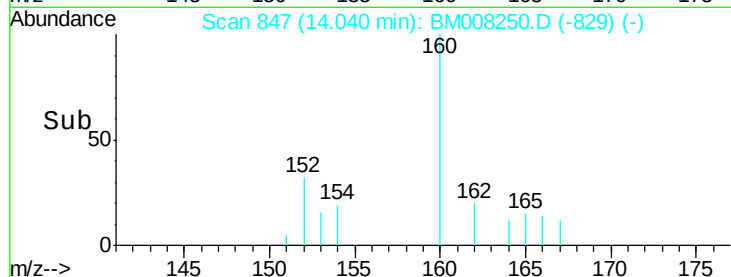
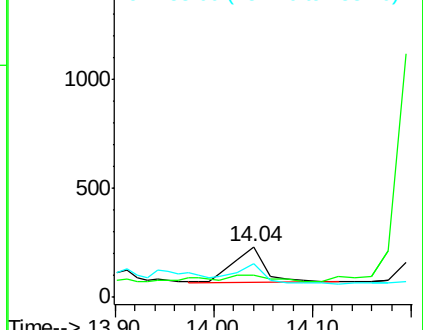
152 100

151 45.0 17.1 25.7#

153 67.1 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: 0.07 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

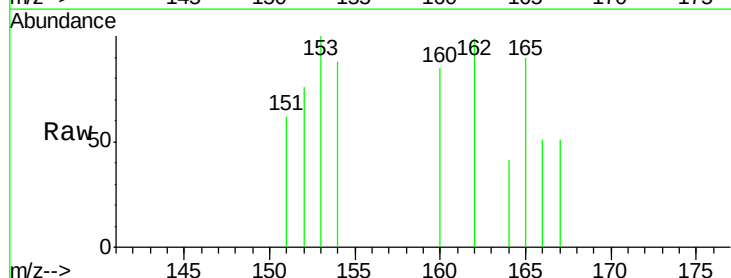
Tgt Ion:153 Resp: 306

Ion Ratio Lower Upper

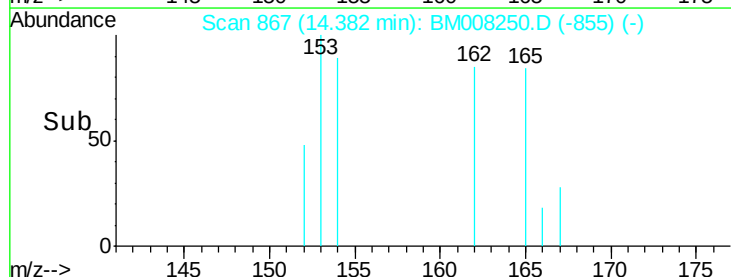
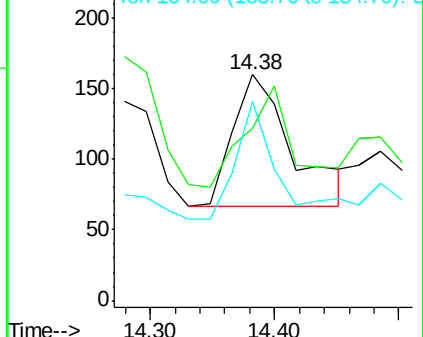
153 100

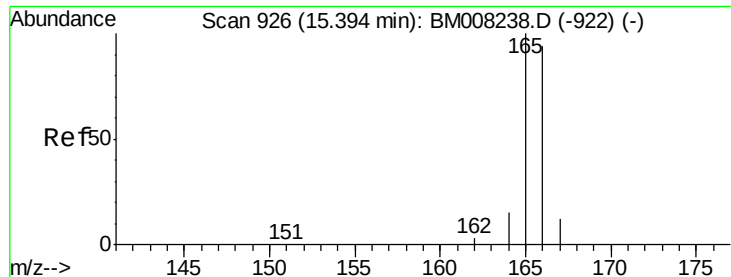
152 76.3 40.3 60.5#

154 88.1 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: 0.11 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :

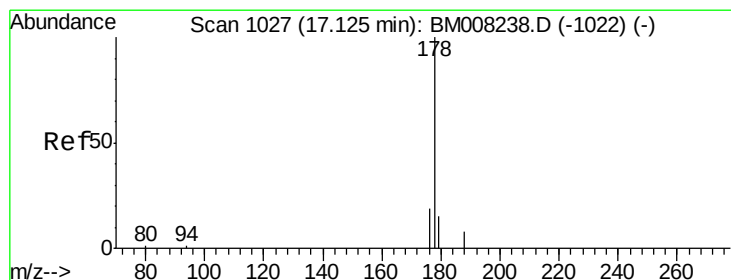
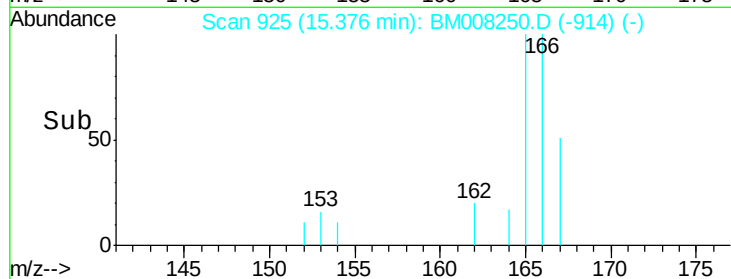
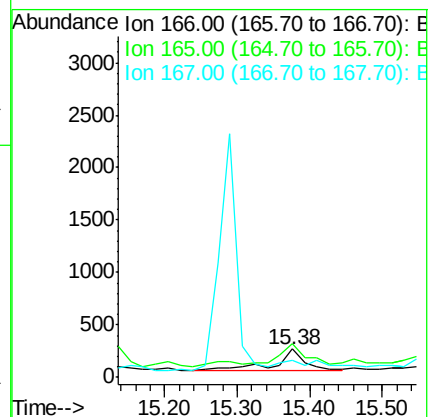
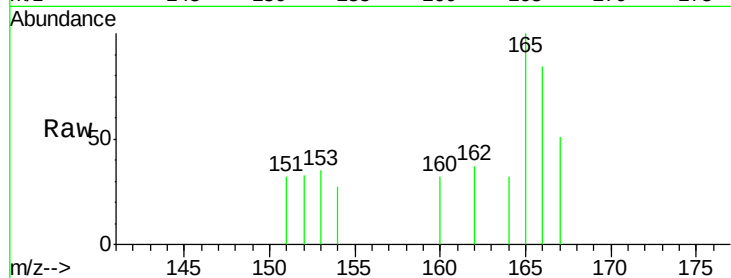
Tot Ion:166 Resp: 568

Ion Ratio Lower Upper

166 100

165 118.8 73.4 110.2#

167 60.5 14.6 22.0#



#12

Phenanthrene

Concen: 0.30 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

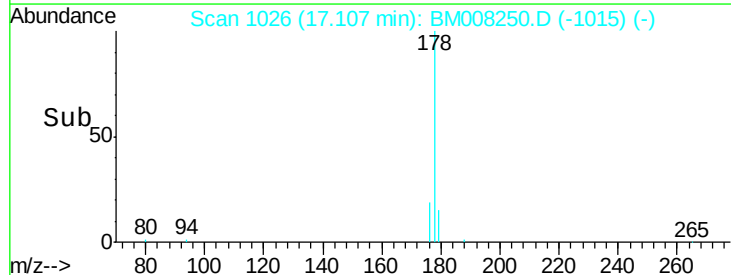
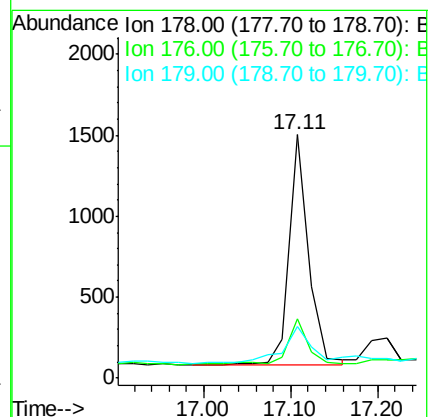
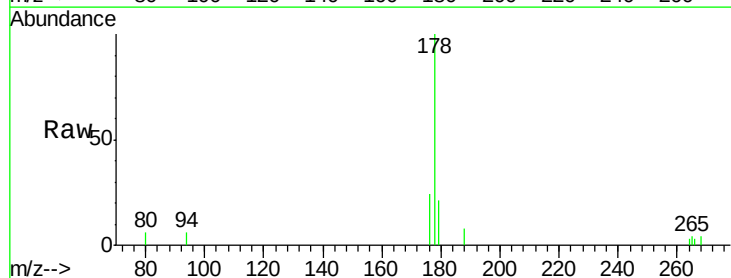
Tgt Ion:178 Resp: 2243

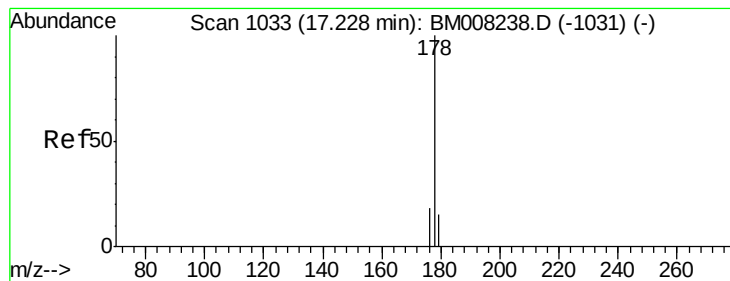
Ion Ratio Lower Upper

178 100

176 24.5 18.4 27.6

179 21.1 13.6 20.4#





#13

Anthracene

Concen: 0.31 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.12 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :

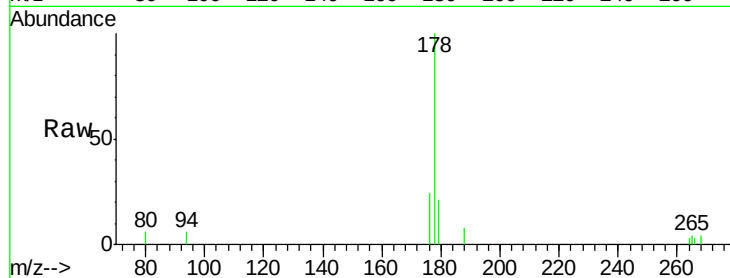
Tot Ion:178 Resp: 2160

Ion Ratio Lower Upper

178 100

176 24.5 18.1 27.1

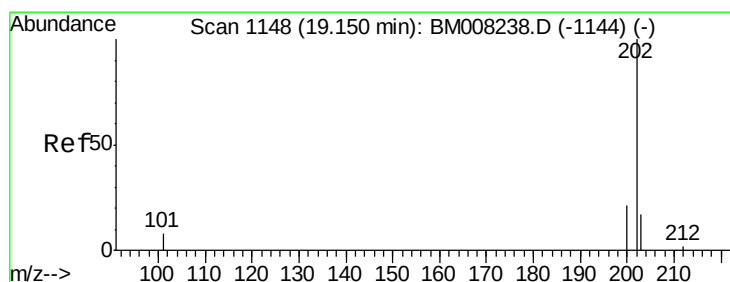
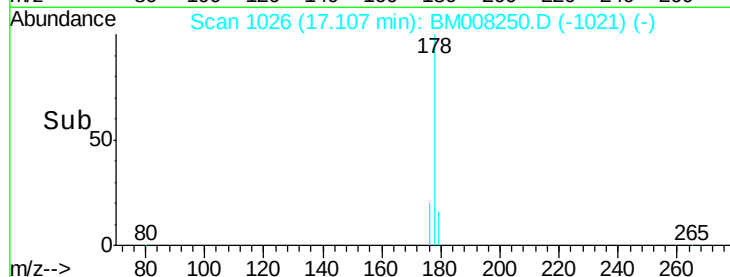
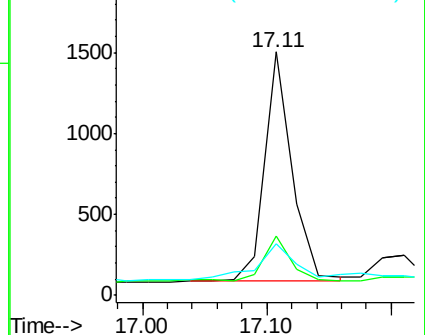
179 21.1 14.7 22.1



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: 0.18 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

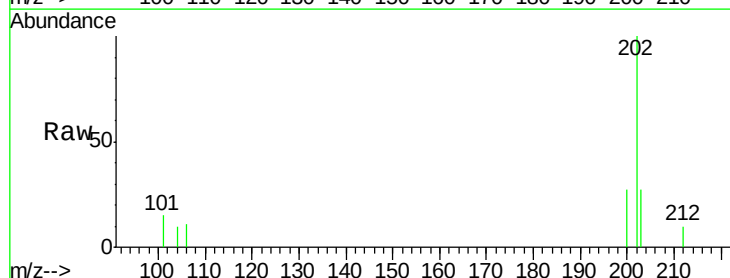
Tgt Ion:202 Resp: 1724

Ion Ratio Lower Upper

202 100

101 15.0 0.0 30.3

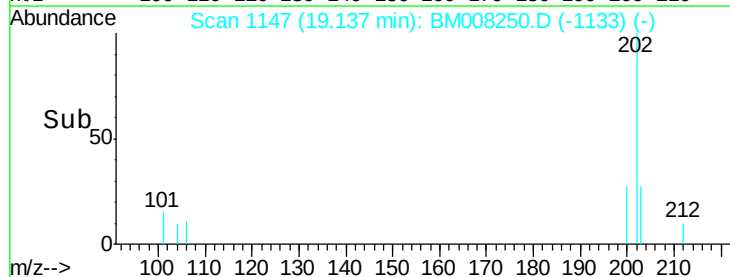
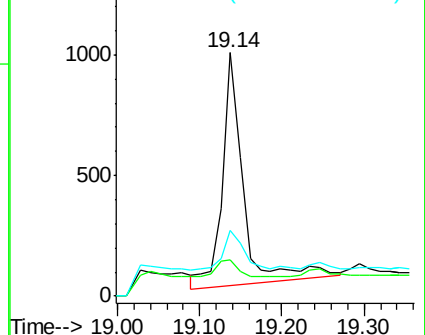
203 27.3 0.0 39.5

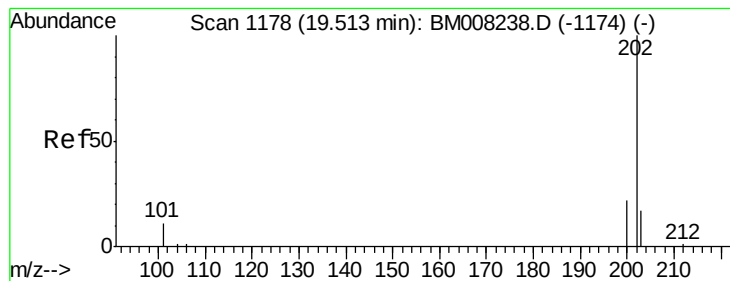


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#17

Pvrene

Concen: 0.19 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.01 min

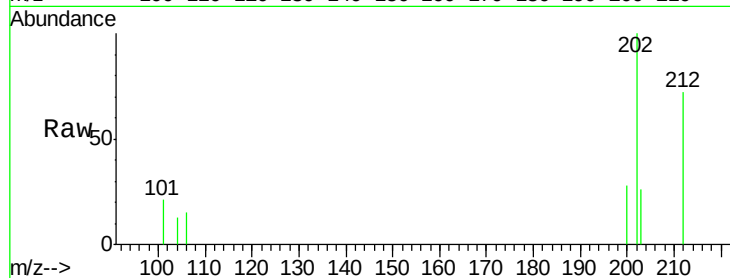
Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :



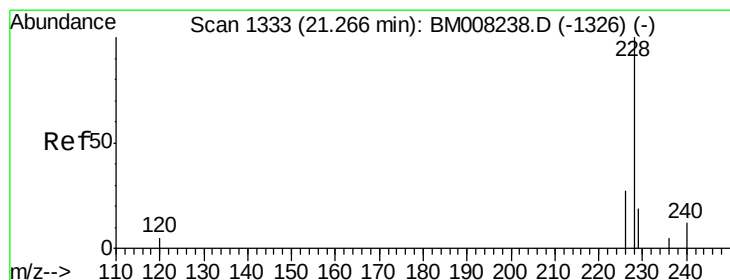
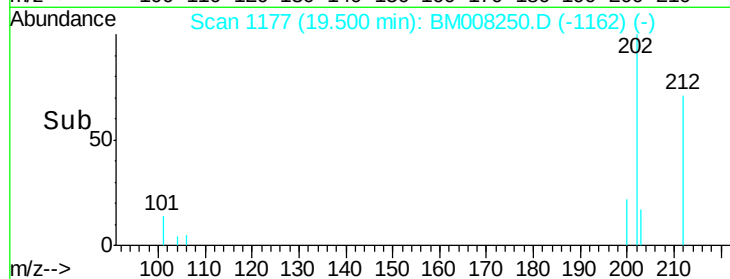
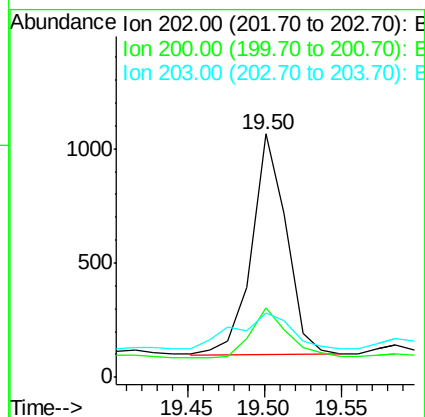
Tot Ion:202 Resp: 1506

Ion Ratio Lower Upper

202 100

200 28.4 18.2 27.4#

203 26.2 15.6 23.4#



#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

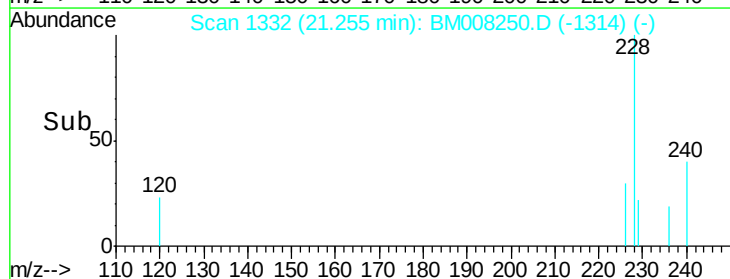
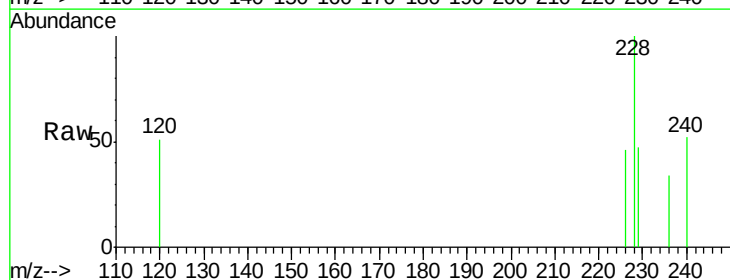
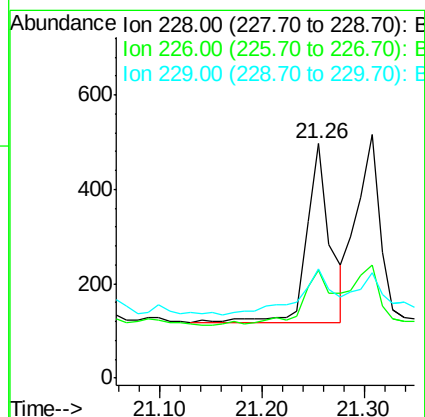
Tgt Ion:228 Resp: 595

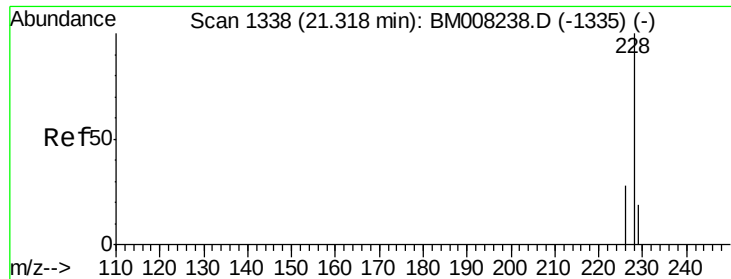
Ion Ratio Lower Upper

228 100

226 46.4 22.8 34.2#

229 47.0 17.0 25.6#





#19

Chrysene

Concen: 0.07 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :

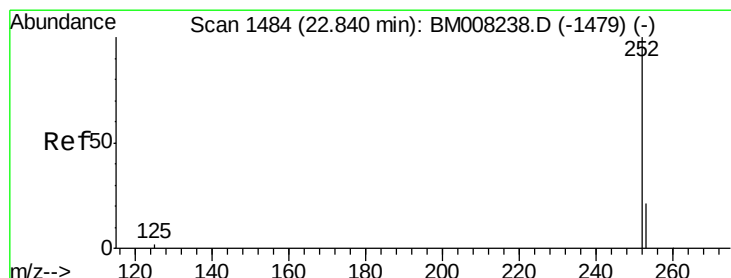
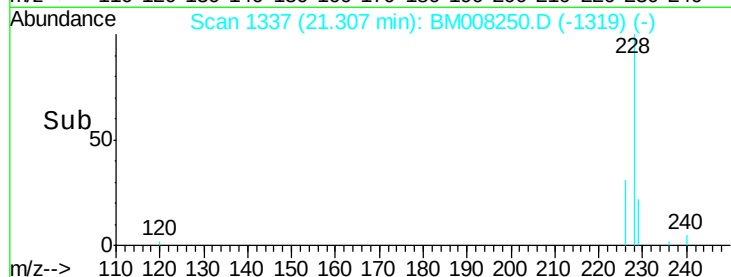
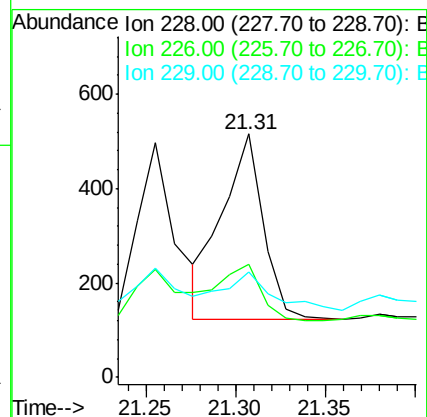
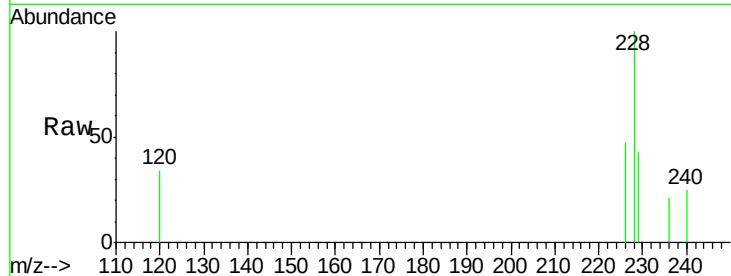
Tot Ion:228 Resp: 627

Ion Ratio Lower Upper

228 100

226 46.7 23.4 35.0#

229 43.2 17.7 26.5#



#21

Benzo(b)fluoranthene

Concen: 0.12 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

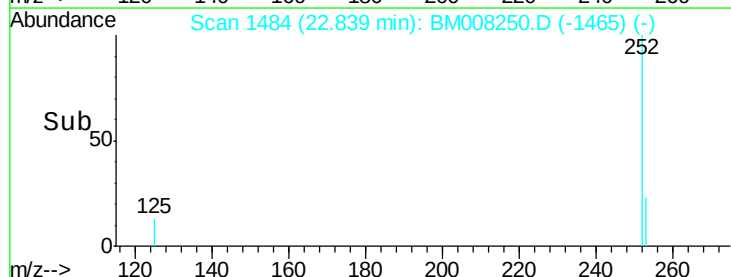
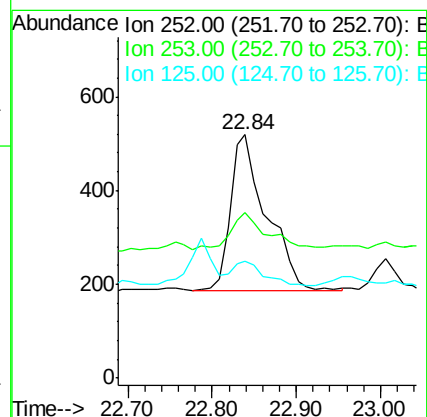
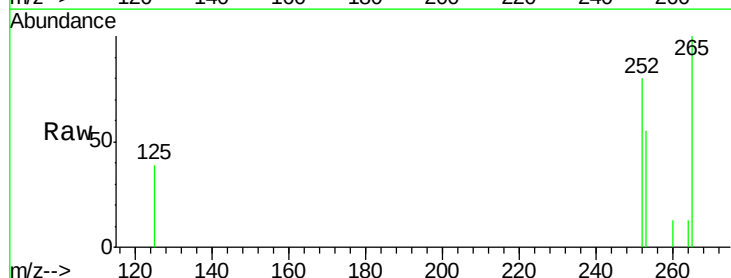
Tgt Ion:252 Resp: 1012

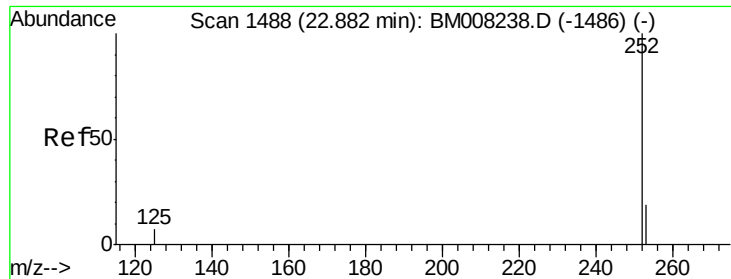
Ion Ratio Lower Upper

252 100

253 68.0 0.0 64.2#

125 48.2 0.0 35.0#





#22

Benzo(k)fluoranthene

Concen: 0.11 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.04 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :

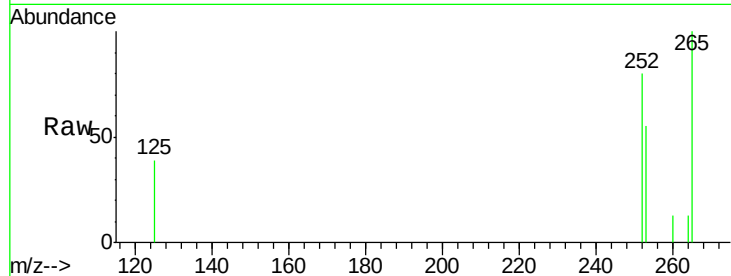
Tot Ion:252 Resp: 1012

Ion Ratio Lower Upper

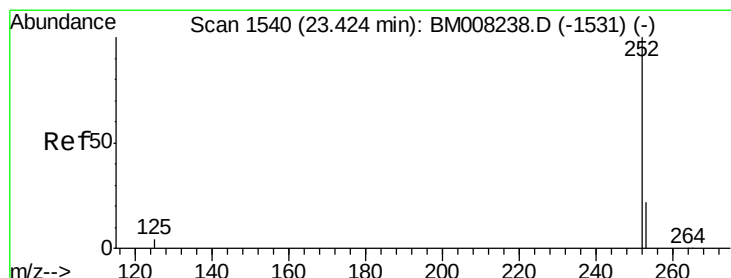
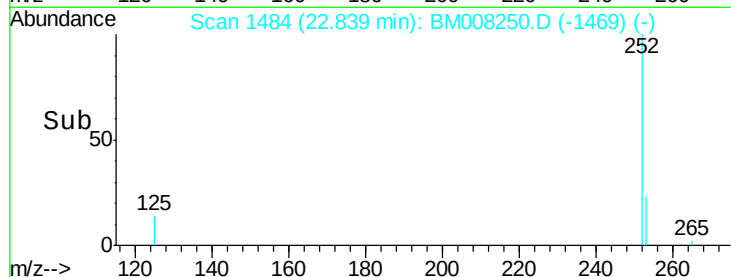
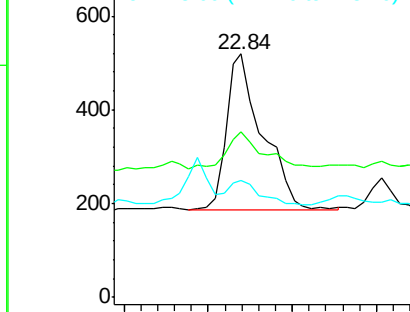
252 100

253 68.0 24.5 36.7#

125 48.2 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: 0.05 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

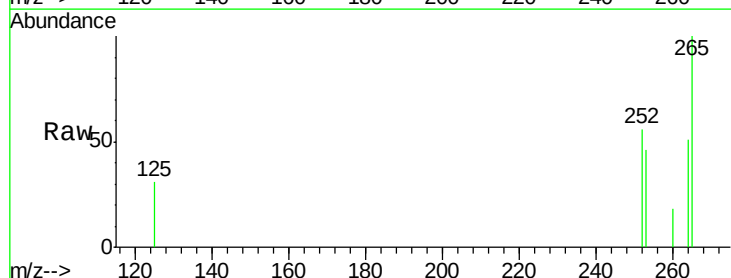
Tgt Ion:252 Resp: 415

Ion Ratio Lower Upper

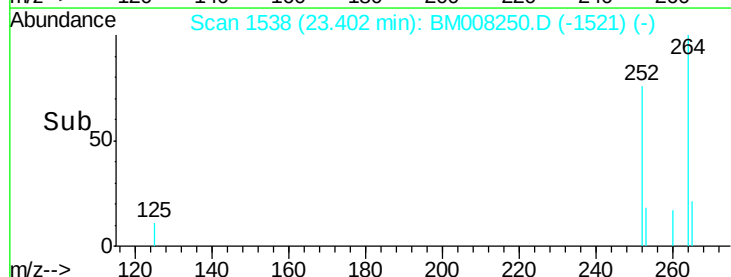
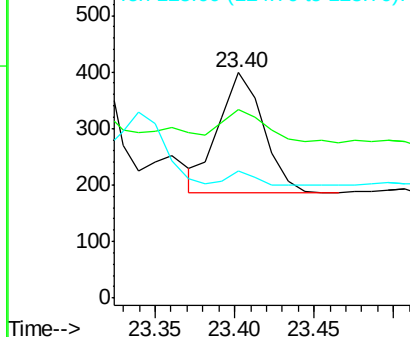
252 100

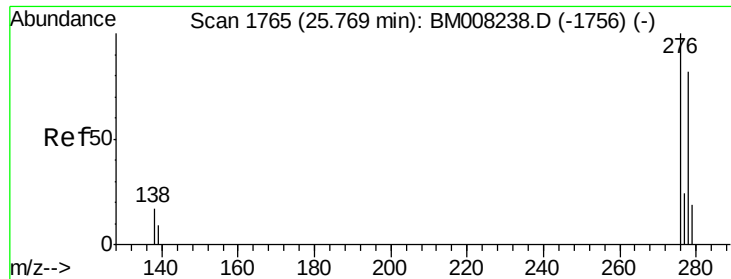
253 83.5 28.5 42.7#

125 56.4 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



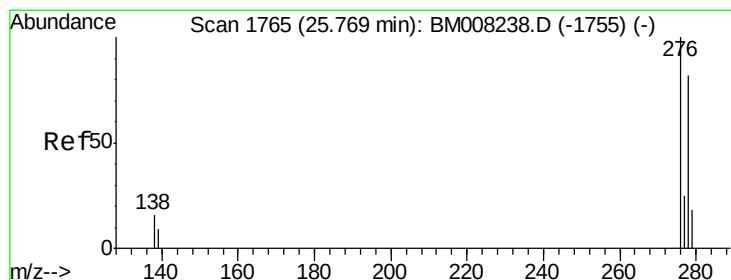
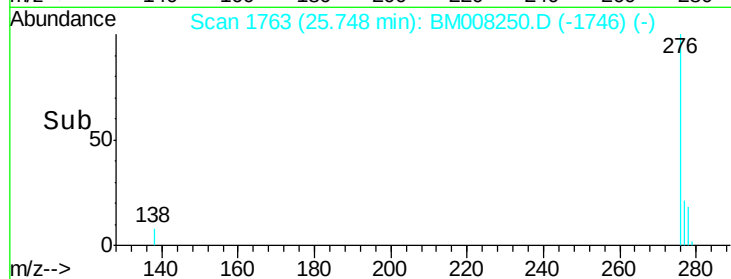
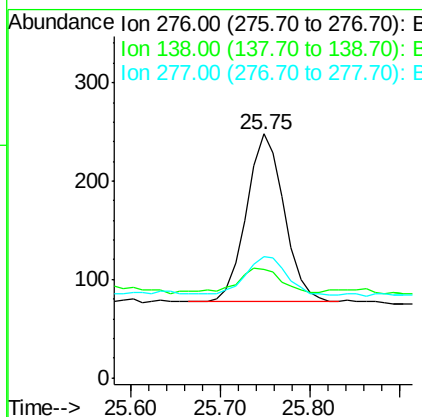
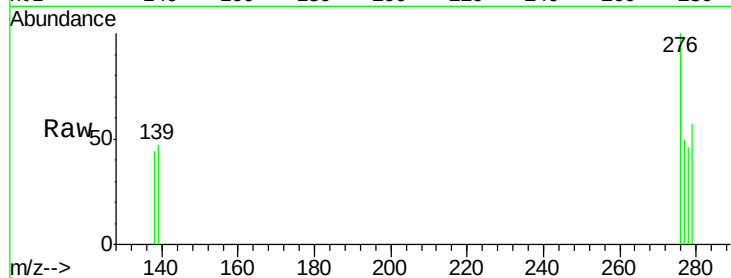


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng/ul
RT: 25.75 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008250.D
Acq: 11 Dec 2016 01:52

Instrument :
BNA_M
ClientSampleId :

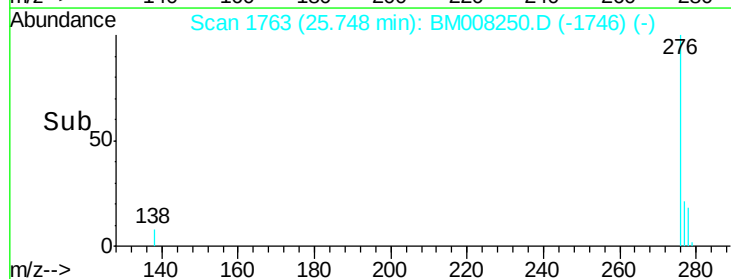
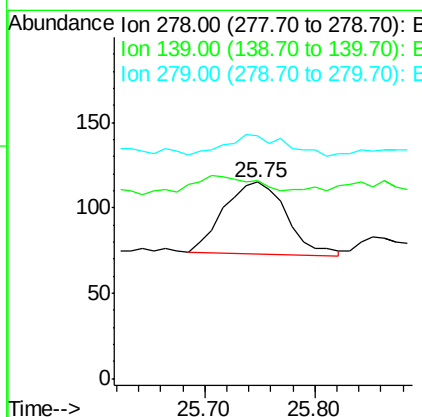
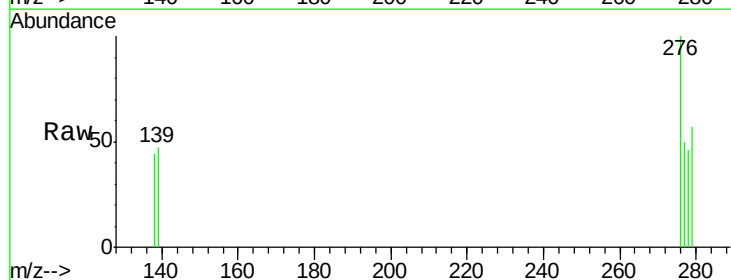
Tot Ion:276 Resp: 501
Ion Ratio Lower Upper
276 100
138 15.8 19.1 28.7#
277 24.6 19.6 29.4

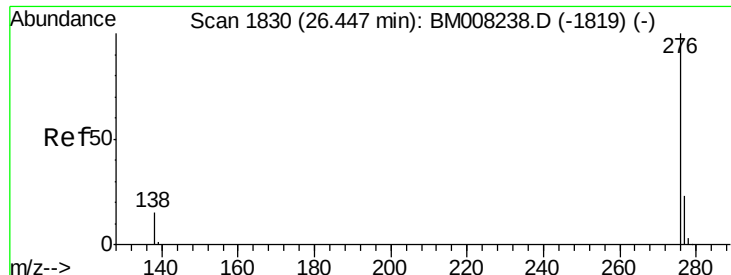


#25

Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.75 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BM008250.D
Acq: 11 Dec 2016 01:52

Tgt Ion:278 Resp: 164
Ion Ratio Lower Upper
278 100
139 100.9 17.4 26.0#
279 123.5 25.9 38.9#





#26

Benzo(a,h,i)perylene

Concen: 0.06 ng/ul

RT: 26.44 min Scan# 1829

Delta R.T. -0.01 min

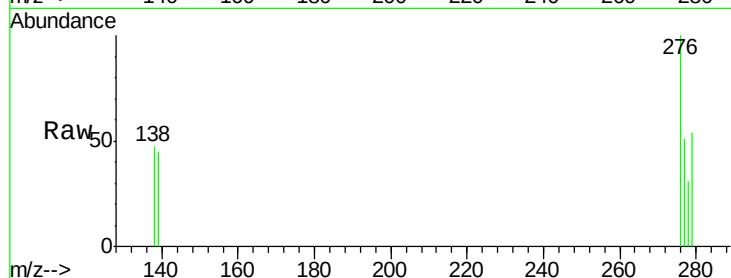
Lab File: BM008250.D

Acq: 11 Dec 2016 01:52

Instrument :

BNA_M

ClientSampleId :



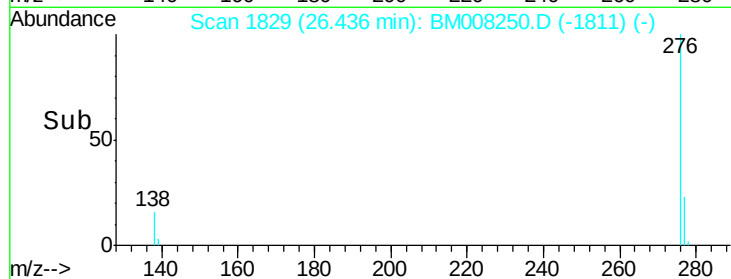
Tot Ion: 276 Resp: 576

Ion Ratio Lower Upper

276 100

277 51.0 21.8 32.8#

138 46.9 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

