

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
 Data File : BM008249.D
 Acq On : 11 Dec 2016 01:17
 Operator : UM/SJ
 Sample : H5863-09DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 12 03:55:46 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

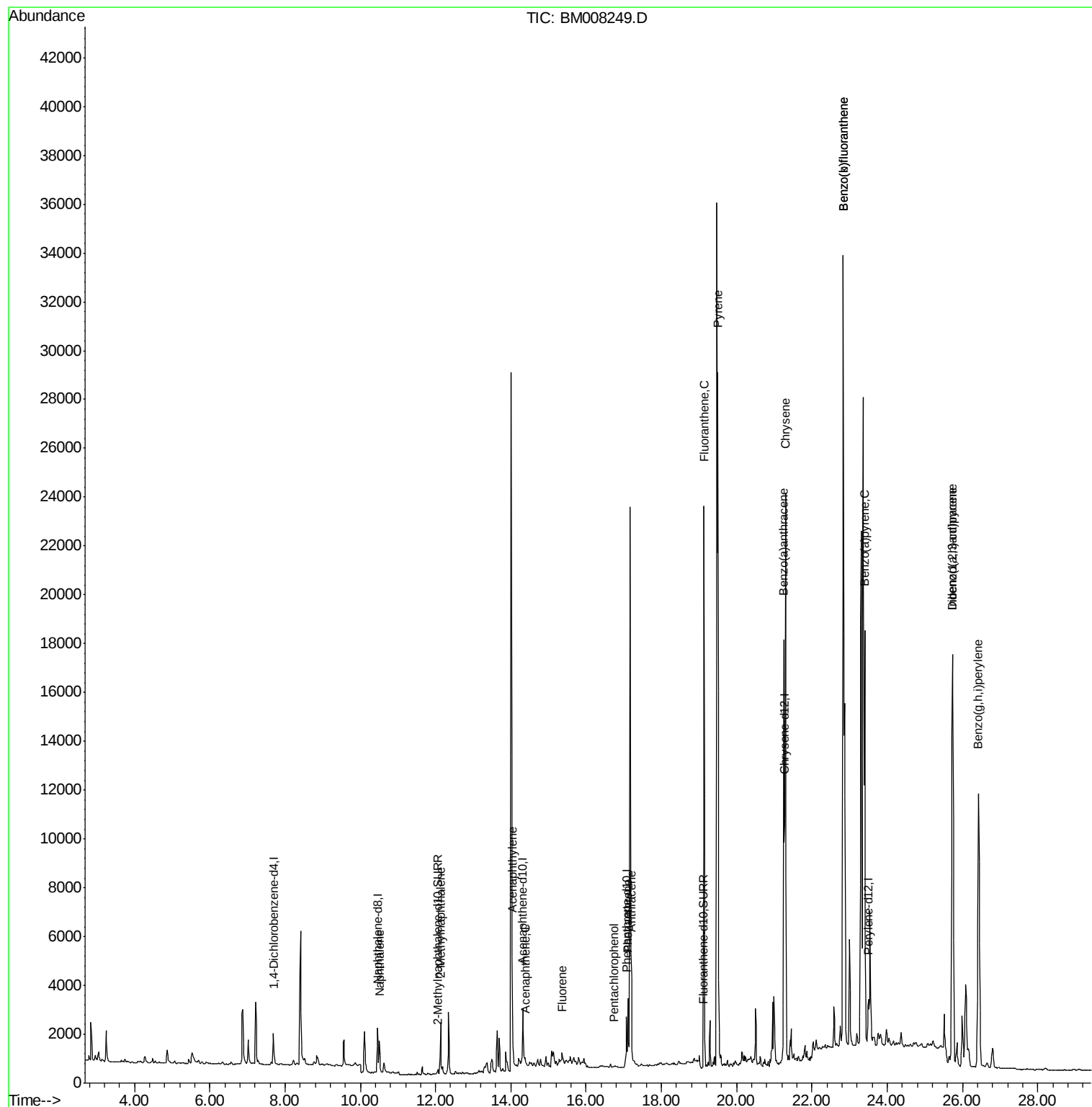
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	822	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.46	136	2635	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.31	164	1526	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	2609	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	2462	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	2391	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.06	152	278	0.07	ng/ul	-0.02
14) Fluoranthene-d10	19.11	212	792	0.11	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.51	128	1916	0.26	ng/ul	97
5) 2-Methylnaphthalene	12.13	142	1757	0.37	ng/ul	99
7) Acenaphthylene	14.04	152	5204	0.75	ng/ul	97
8) Acenaphthene	14.38	153	297	0.06	ng/ul#	87
9) Fluorene	15.38	166	282	0.05	ng/ul#	61
11) Pentachlorophenol	16.75	266	28	0.03	ng/ul	94
12) Phenanthrene	17.11	178	3272	0.40	ng/ul	99
13) Anthracene	17.21	178	4966	0.65	ng/ul	95
15) Fluoranthene	19.14	202	22860	2.18	ng/ul	94
17) Pyrene	19.50	202	26310	3.08	ng/ul	97
18) Benzo(a)anthracene	21.26	228	18550	2.45	ng/ul	97
19) Chrysene	21.31	228	24525	2.61	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	68441	7.17	ng/ul	81
22) Benzo(k)fluoranthene	22.83	252	68441	6.95	ng/ul#	83
23) Benzo(a)pyrene	23.40	252	23844	2.67	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.74	276	27844	2.52	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.74	278	6865	0.78	ng/ul#	94
26) Benzo(g,h,i)perylene	26.43	276	25713	2.62	ng/ul#	88

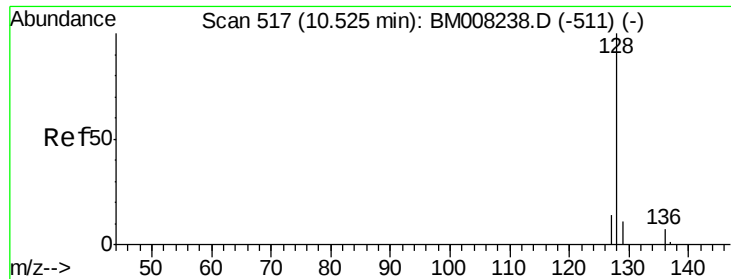
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008249.D
Acq On : 11 Dec 2016 01:17
Operator : UM/SJ
Sample : H5863-09DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 12 03:55:46 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





#3

Naphthalene

Concen: 0.26 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.01 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampled :

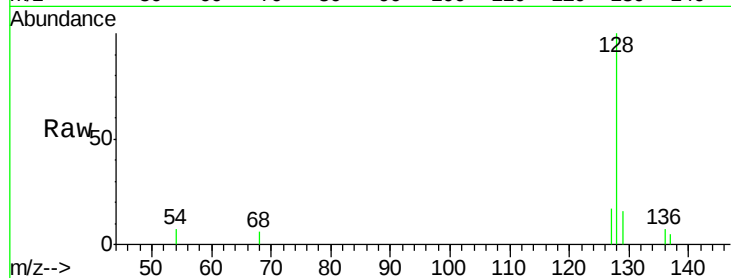
Tot Ion:128 Resp: 1916

Ion Ratio Lower Upper

128 100

129 16.0 11.3 16.9

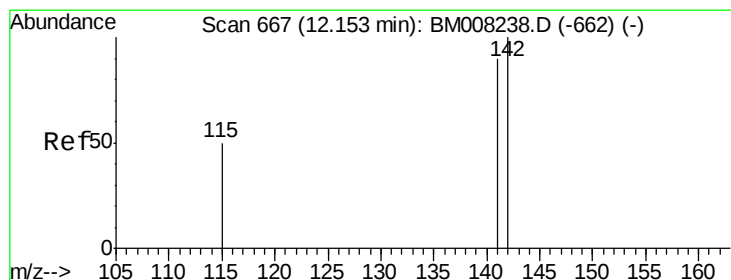
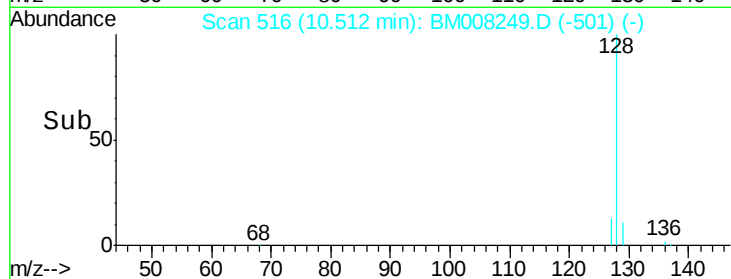
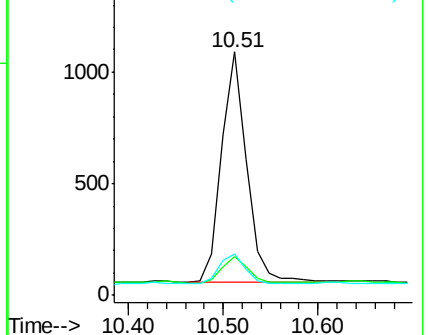
127 17.0 12.8 19.2



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: BM008249.D

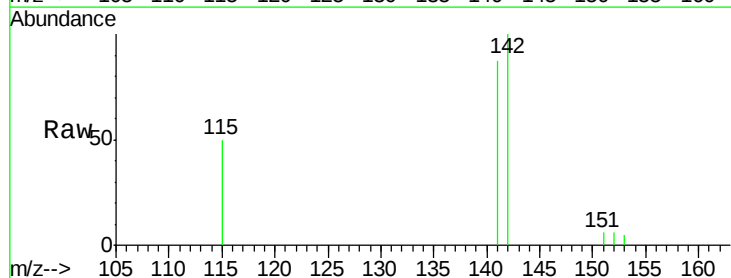
Acq: 11 Dec 2016 01:17

Tgt Ion:142 Resp: 1757

Ion Ratio Lower Upper

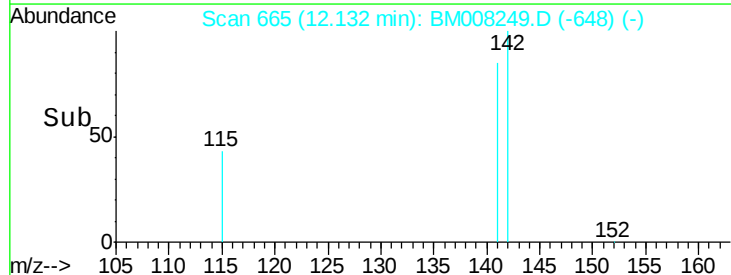
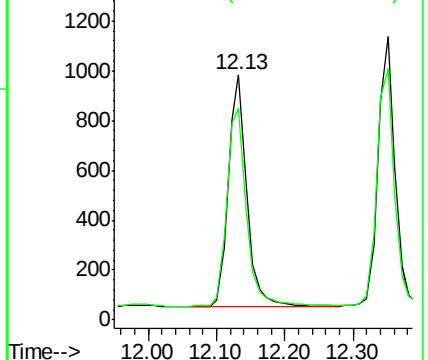
142 100

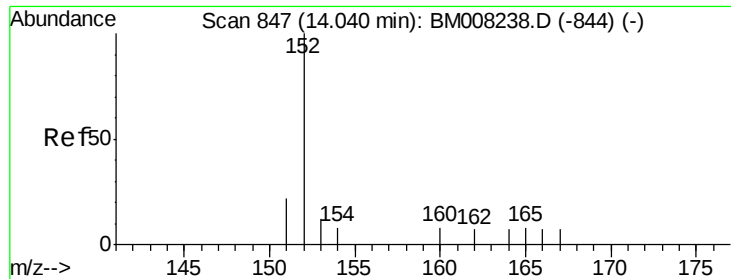
141 89.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.75 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

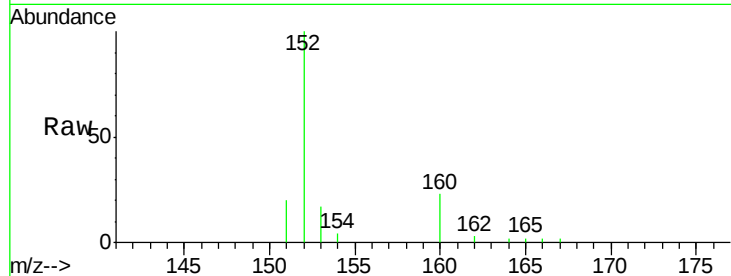
Tot Ion:152 Resp: 5204

Ion Ratio Lower Upper

152 100

151 19.8 17.1 25.7

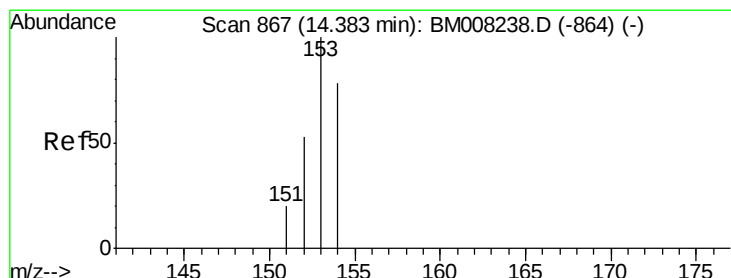
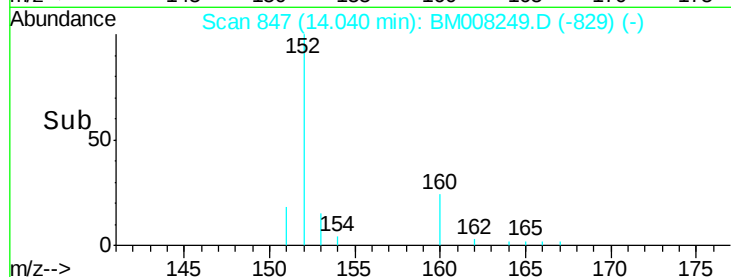
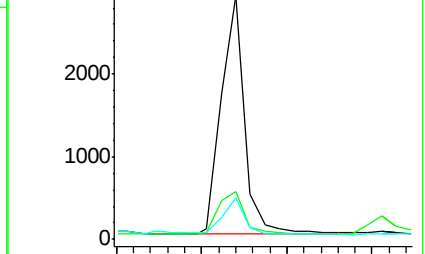
153 16.8 12.8 19.2



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: BM008249.D

Acq: 11 Dec 2016 01:17

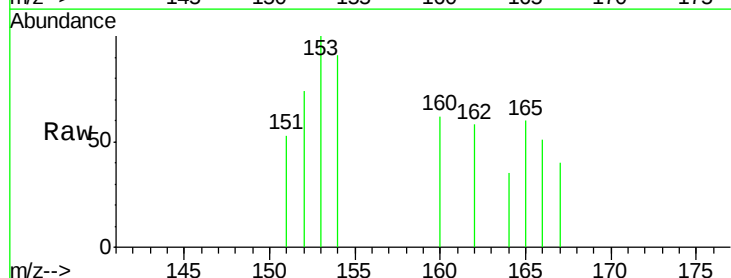
Tgt Ion:153 Resp: 297

Ion Ratio Lower Upper

153 100

152 73.8 40.3 60.5#

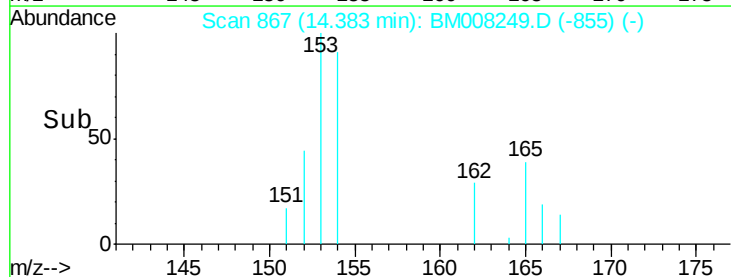
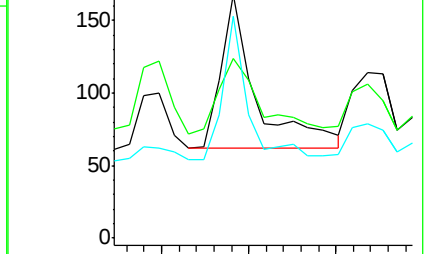
154 91.1 71.4 107.2

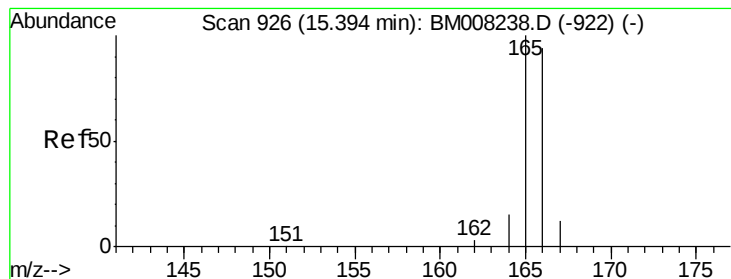


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.05 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampled :

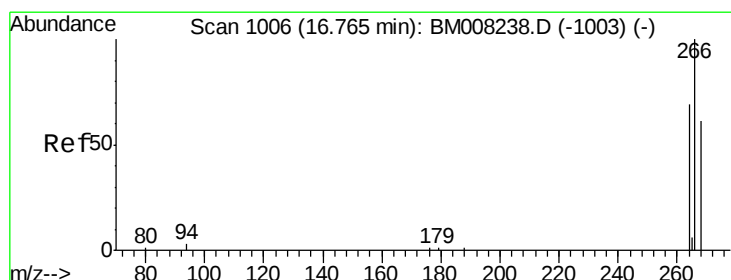
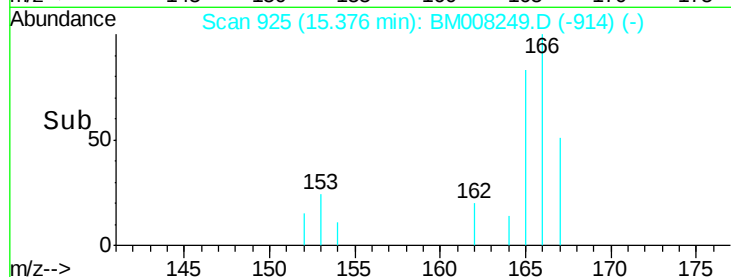
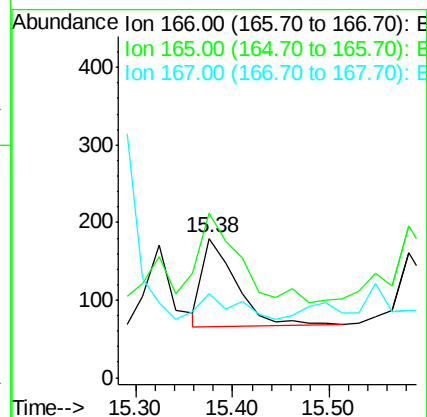
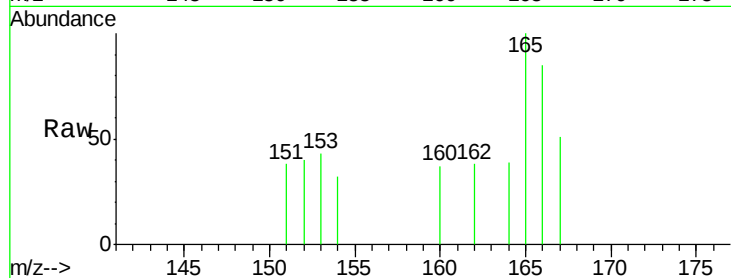
Tot Ion:166 Resp: 282

Ion Ratio Lower Upper

166 100

165 118.3 73.4 110.2#

167 60.6 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.75 min Scan# 1005

Delta R.T. -0.02 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

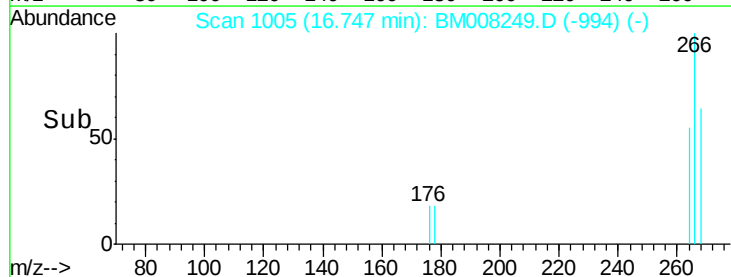
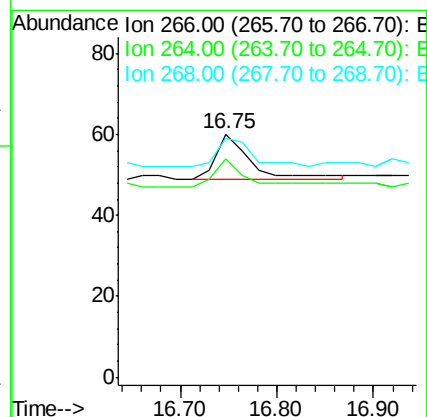
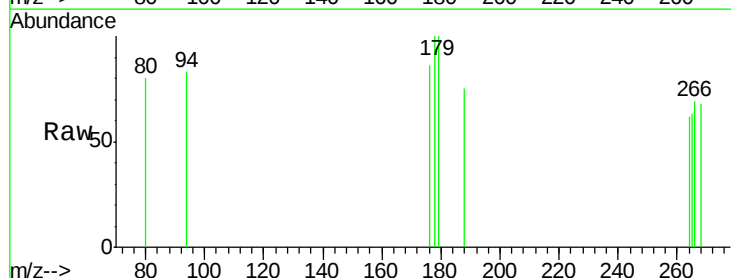
Tgt Ion:266 Resp: 28

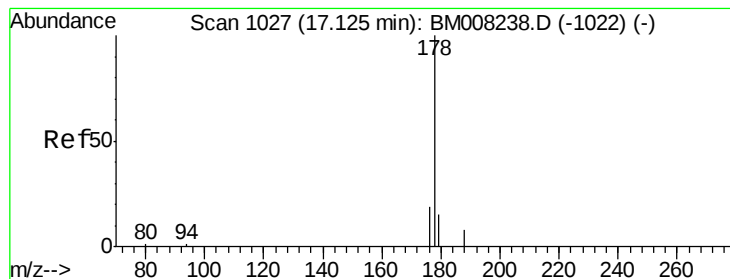
Ion Ratio Lower Upper

266 100

264 67.9 47.9 71.9

268 60.7 49.8 74.8





#12

Phenanthrene

Concen: 0.40 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

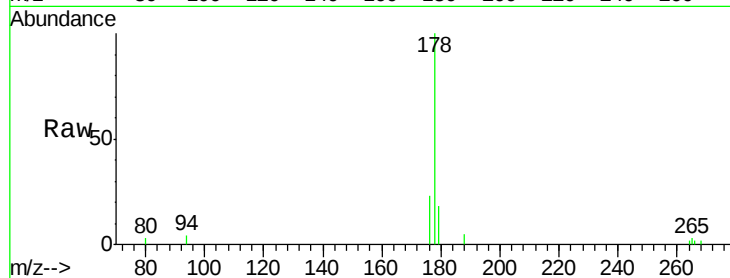
Tot Ion:178 Resp: 3272

Ion Ratio Lower Upper

178 100

176 23.0 18.4 27.6

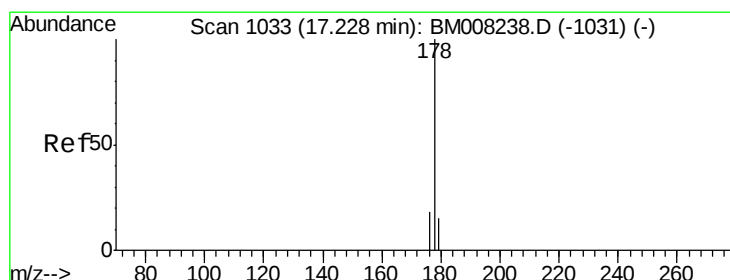
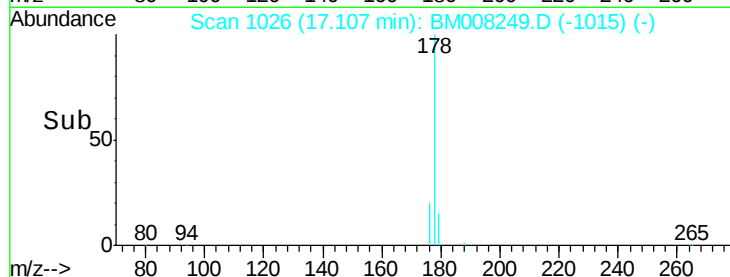
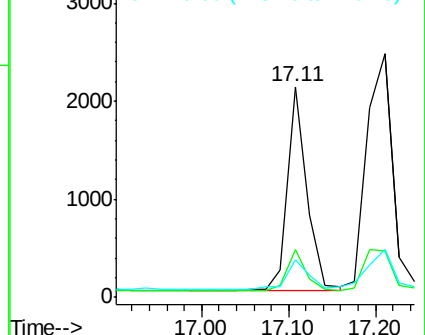
179 18.1 13.6 20.4



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: 0.65 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

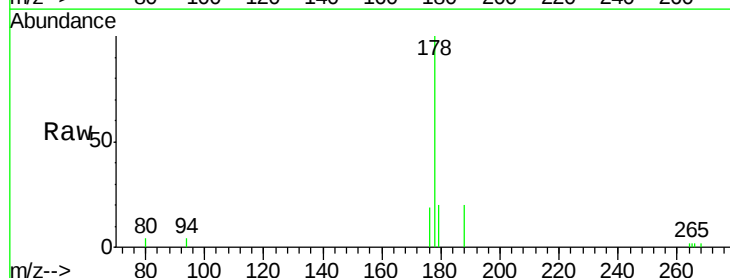
Tgt Ion:178 Resp: 4966

Ion Ratio Lower Upper

178 100

176 19.1 18.1 27.1

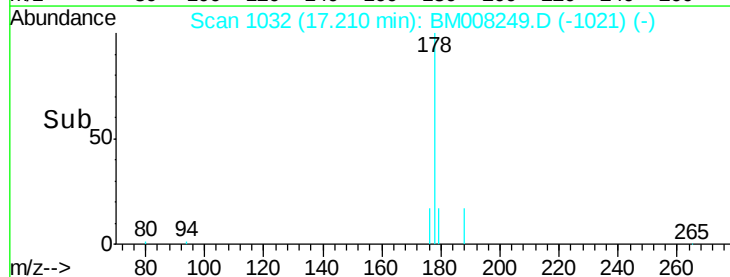
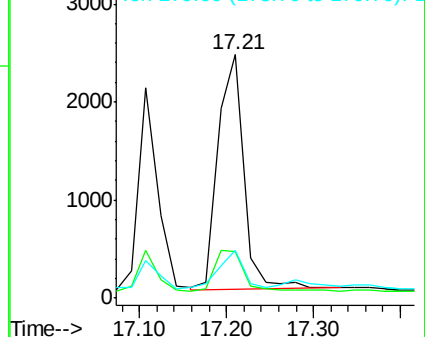
179 19.7 14.7 22.1

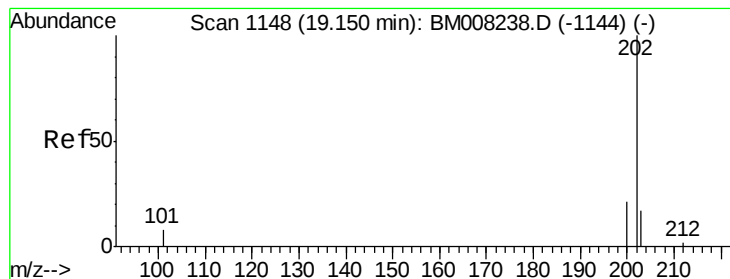


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 2.18 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

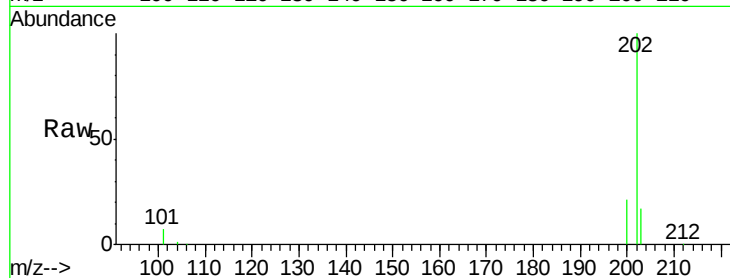
Tot Ion:202 Resp: 22860

Ion Ratio Lower Upper

202 100

101 6.9 0.0 30.3

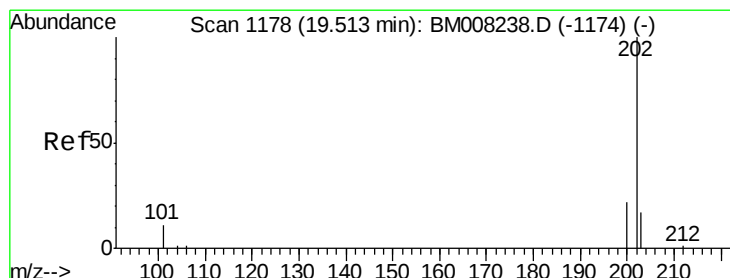
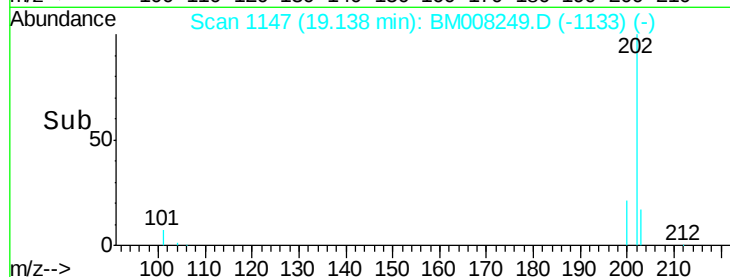
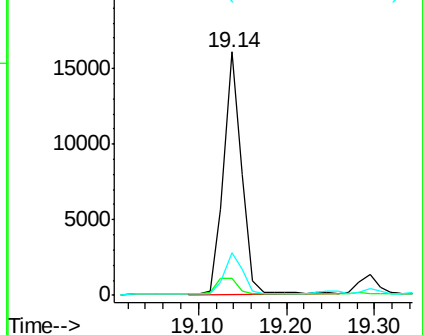
203 17.3 0.0 39.5



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

Pyrene

Concen: 3.08 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

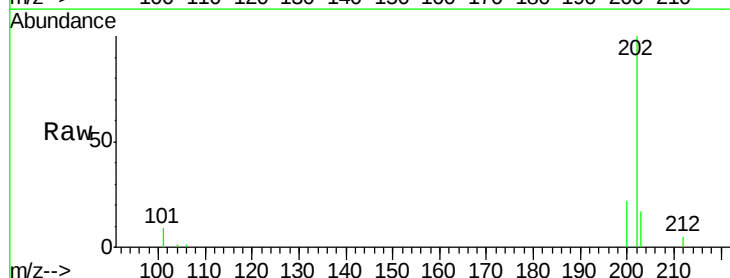
Tgt Ion:202 Resp: 26310

Ion Ratio Lower Upper

202 100

200 22.3 18.2 27.4

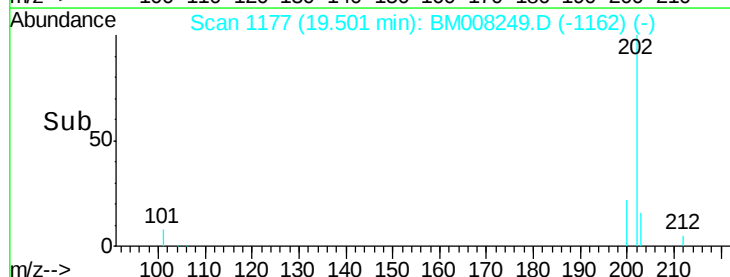
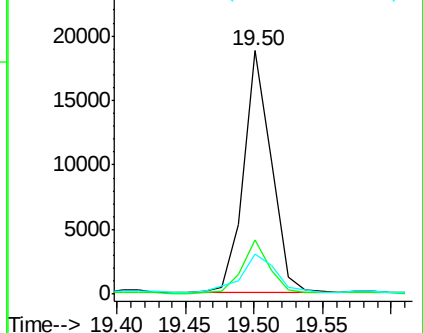
203 16.7 15.6 23.4

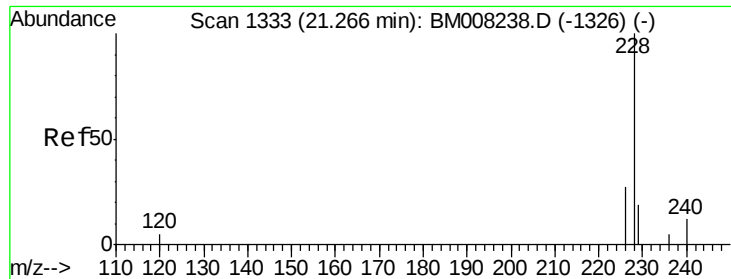


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 2.45 ng/ul

RT: 21.26 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

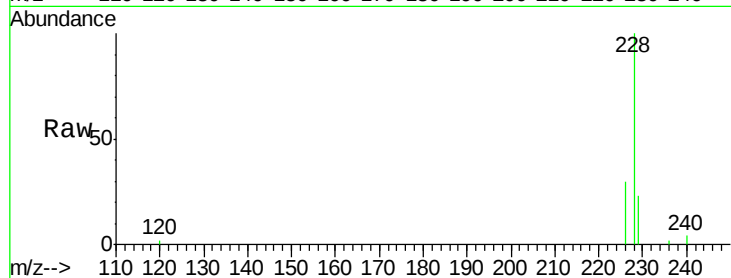
Tot Ion:228 Resp: 18550

Ion Ratio Lower Upper

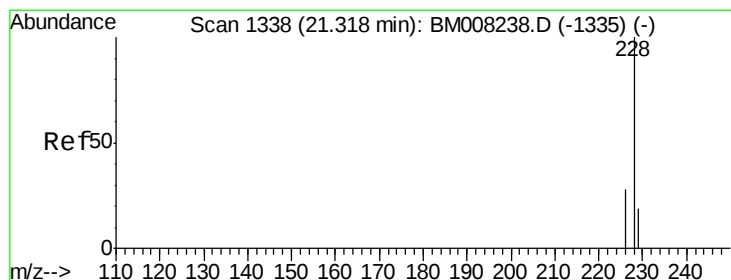
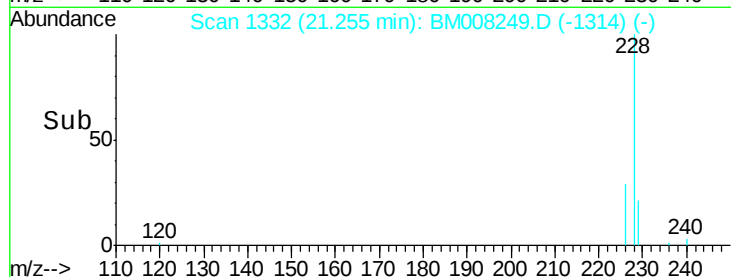
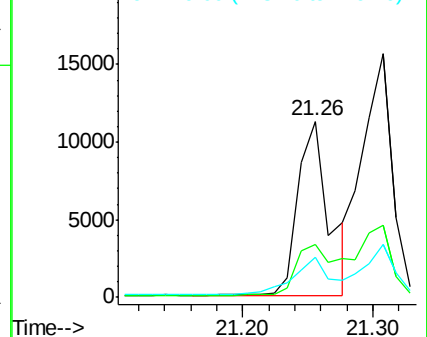
228 100

226 29.7 22.8 34.2

229 22.8 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: 2.61 ng/ul

RT: 21.31 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

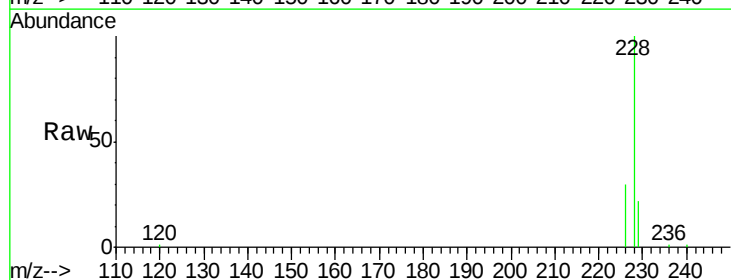
Tgt Ion:228 Resp: 24525

Ion Ratio Lower Upper

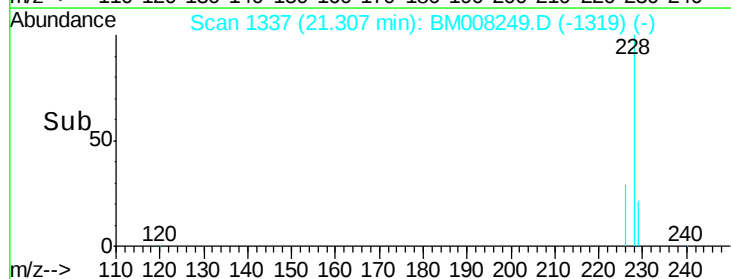
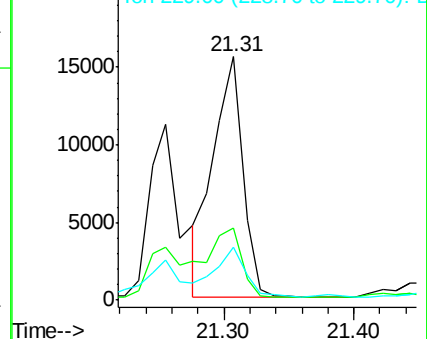
228 100

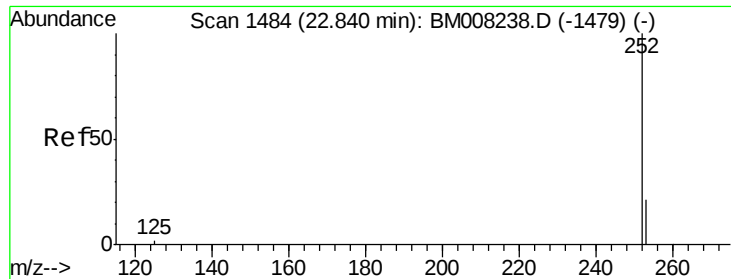
226 29.6 23.4 35.0

229 22.0 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: 7.17 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

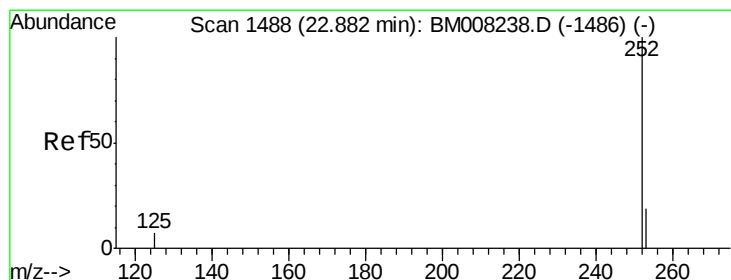
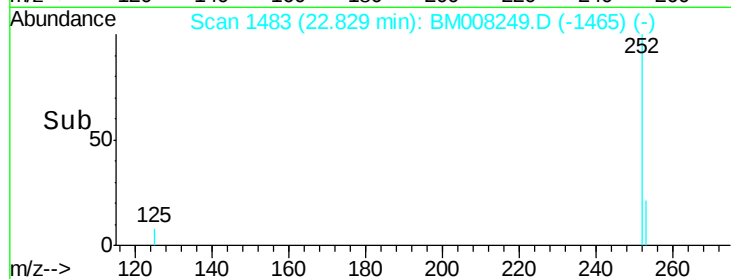
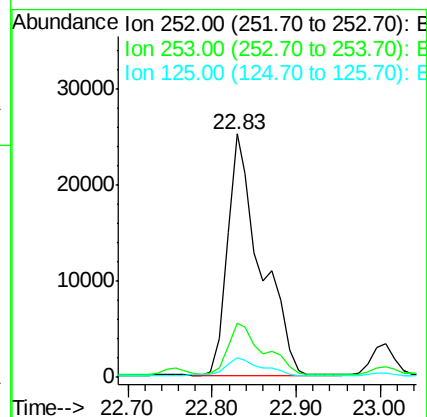
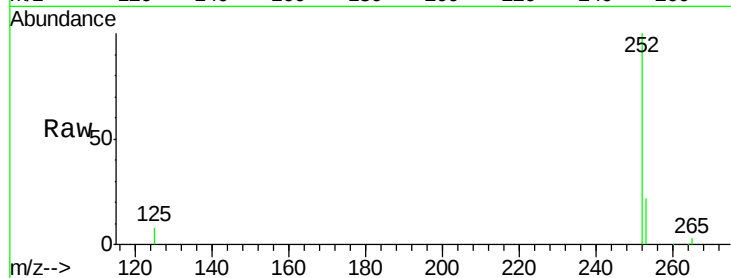
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 68441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	64.2
125	8.3	0.0	35.0



#22

Benzo(k)fluoranthene

Concen: 6.95 ng/ul

RT: 22.83 min Scan# 1483

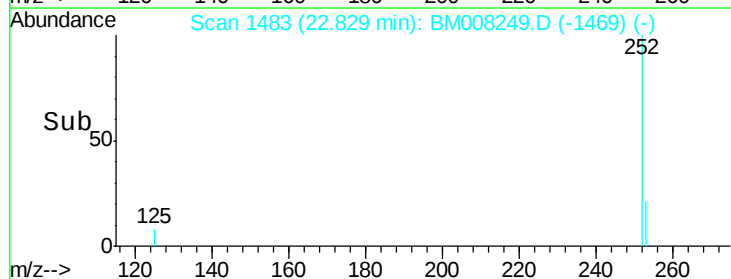
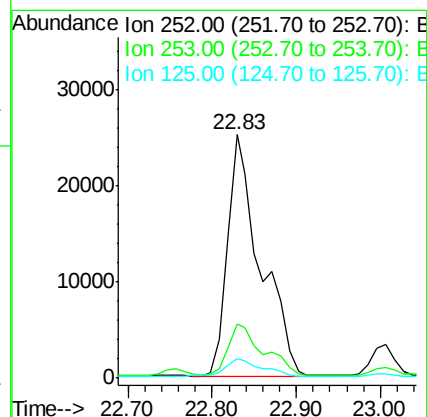
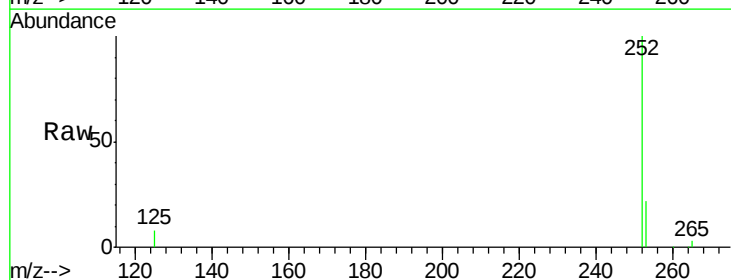
Delta R.T. -0.05 min

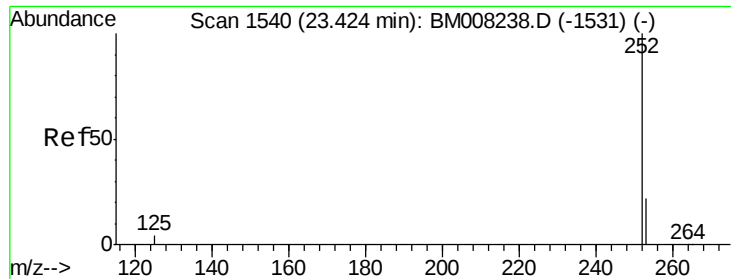
Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Tgt Ion:252 Resp: 68441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	24.5	36.7#
125	8.3	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 2.67 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

Instrument :

BNA_M

ClientSampleId :

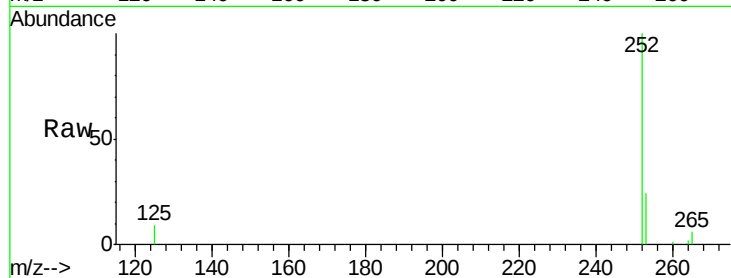
Tot Ion:252 Resp: 23844

Ion Ratio Lower Upper

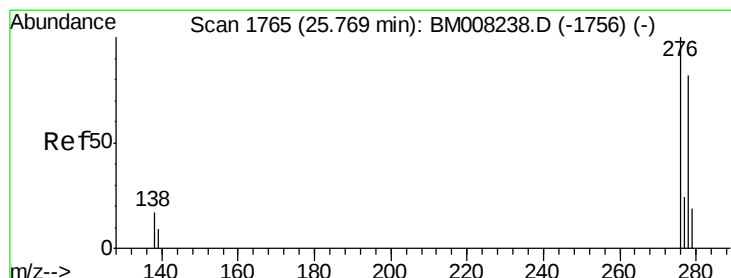
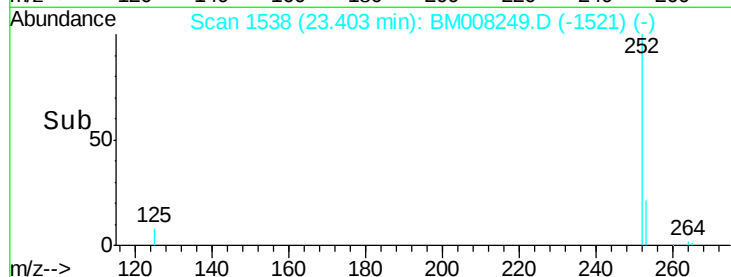
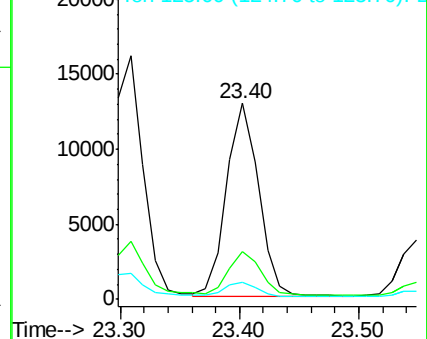
252 100

253 24.1 28.5 42.7#

125 8.9 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: 2.52 ng/ul

RT: 25.74 min Scan# 1762

Delta R.T. -0.03 min

Lab File: BM008249.D

Acq: 11 Dec 2016 01:17

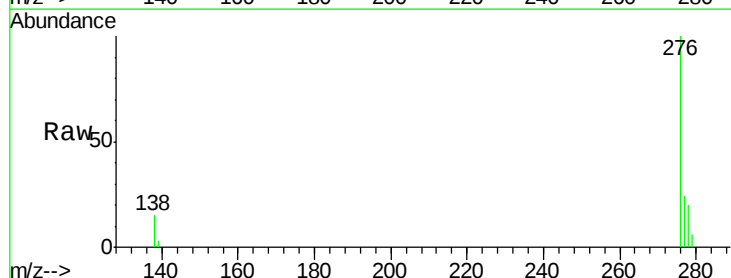
Tgt Ion:276 Resp: 27844

Ion Ratio Lower Upper

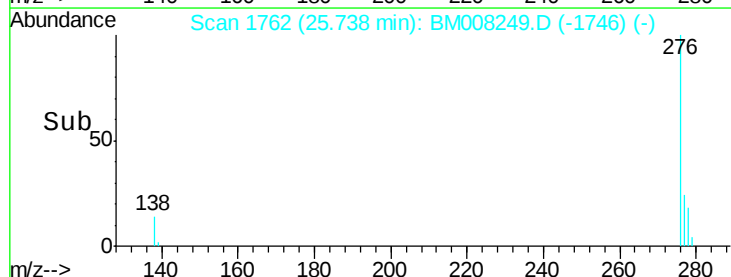
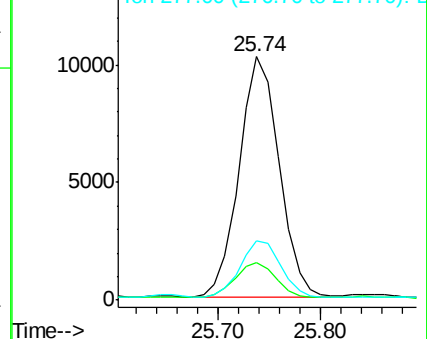
276 100

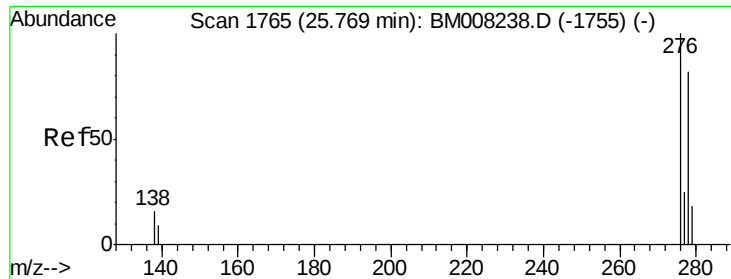
138 14.9 19.1 28.7#

277 23.8 19.6 29.4



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

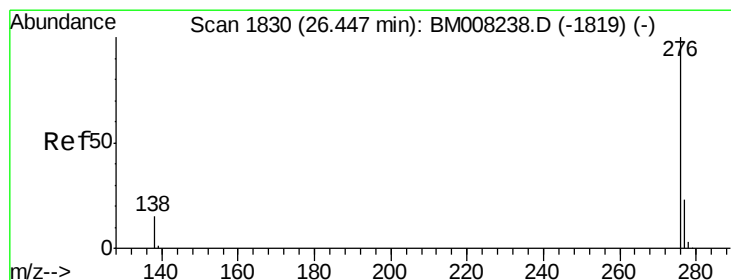
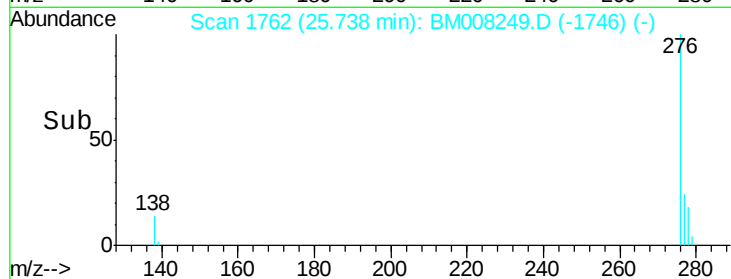
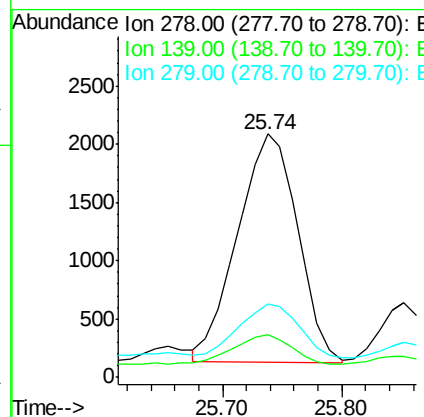
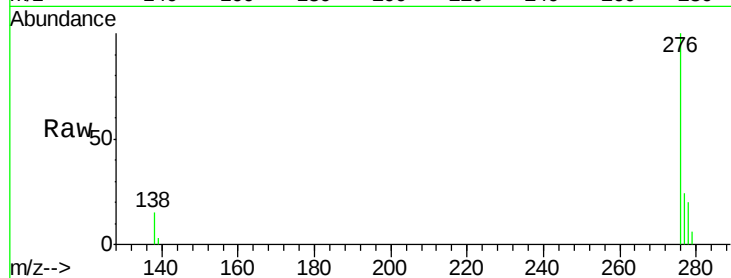




#25
Dibenzo(a,h)anthracene
Concen: 0.78 ng/ul
RT: 25.74 min Scan# 1762
Delta R.T. -0.03 min
Lab File: BM008249.D
Acq: 11 Dec 2016 01:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 6865
Ion Ratio Lower Upper
278 100
139 17.3 17.4 26.0#
279 30.3 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 2.62 ng/ul
RT: 26.43 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BM008249.D
Acq: 11 Dec 2016 01:17

Tgt Ion:276 Resp: 25713
Ion Ratio Lower Upper
276 100
277 24.1 21.8 32.8
138 16.3 20.5 30.7#

