

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051715\
 Data File : BM001323.D
 Acq On : 15 May 2015 10:42
 Operator : TP/IZ
 Sample : G2159-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1R81

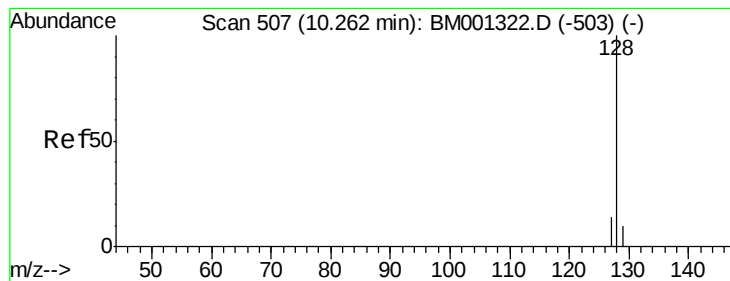
Quant Time: May 16 02:27:32 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM051115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 02:13:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	887	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	3168	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	1662	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	3583	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	3284	0.40	ng/ul	0.00
20) Perylene-d12	23.18	264	3179	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.83	152	881	0.22	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	2604	0.33	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.26	128	5993	0.75	ng/ul	97
5) 2-Methylnaphthalene	11.90	142	81	0.02	ng/ul	92
7) Acenaphthylene	13.82	152	2940	0.40	ng/ul	99
8) Acenaphthene	14.17	153	2699	0.47	ng/ul	98
9) Fluorene	15.18	166	2848	0.44	ng/ul	97
11) Pentachlorophenol	16.53	266	737	0.95	ng/ul	97
12) Phenanthrene	16.91	178	5577	0.55	ng/ul	98
13) Anthracene	16.91	178	5577	0.60	ng/ul	99
15) Fluoranthene	18.94	202	6510	0.58	ng/ul	93
17) Pyrene	19.30	202	8657	0.68	ng/ul	97
18) Benzo(a)anthracene	21.06	228	6097	0.61	ng/ul	98
19) Chrysene	21.06	228	6097	0.53	ng/ul	95
21) Benzo(b)fluoranthene	22.56	252	6172	0.54	ng/ul	94
22) Benzo(k)fluoranthene	22.56	252	6172	0.52	ng/ul#	93
23) Benzo(a)pyrene	23.09	252	110	0.01	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.27	276	9129	0.75	ng/ul	97
25) Dibenzo(a,h)anthracene	25.28	278	6988	0.72	ng/ul#	90
26) Benzo(g,h,i)perylene	25.89	276	4909	0.45	ng/ul	96

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



#3

Naphthalene

Concen: 0.75 ng/ul

RT: 10.26 min Scan# 507

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

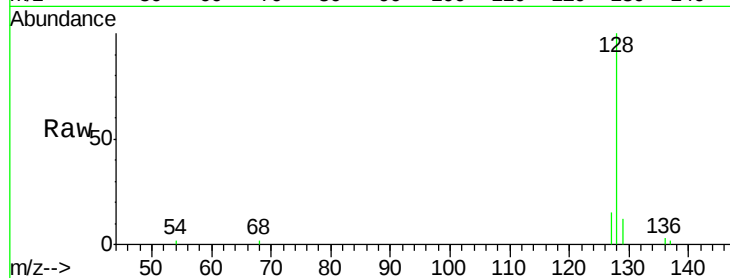
Tgt Ion:128 Resp: 5993

Ion Ratio Lower Upper

128 100

129 11.6 10.4 15.6

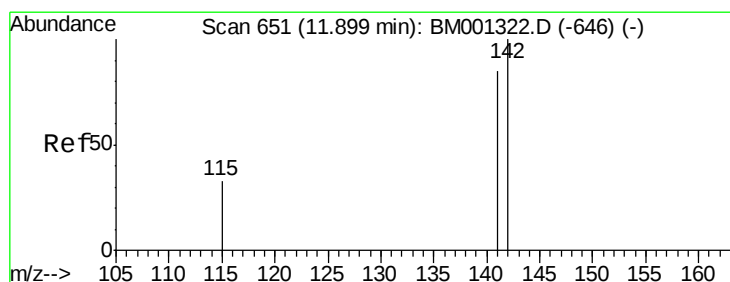
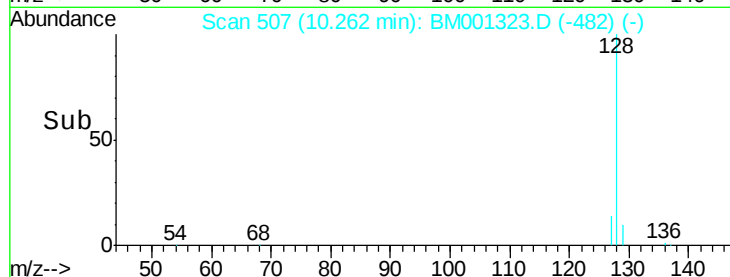
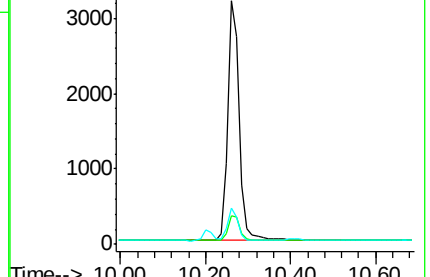
127 14.8 11.3 16.9



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: 0.02 ng/ul

RT: 11.90 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM001323.D

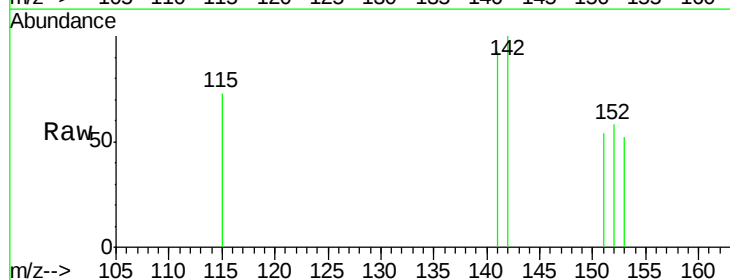
Acq: 15 May 2015 10:42

Tgt Ion:142 Resp: 81

Ion Ratio Lower Upper

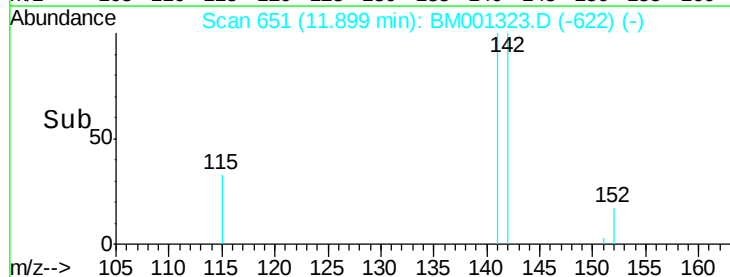
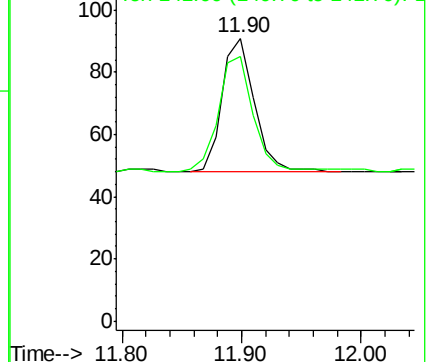
142 100

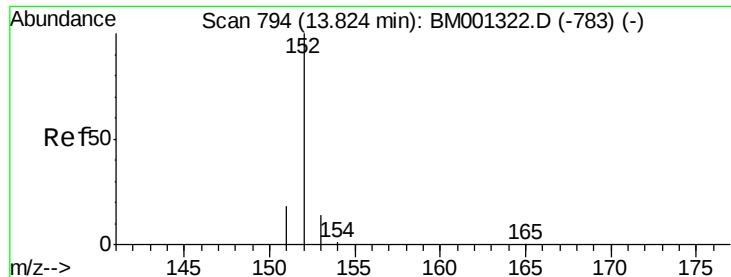
141 96.3 70.8 106.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.40 ng/ul

RT: 13.82 min Scan# 794

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

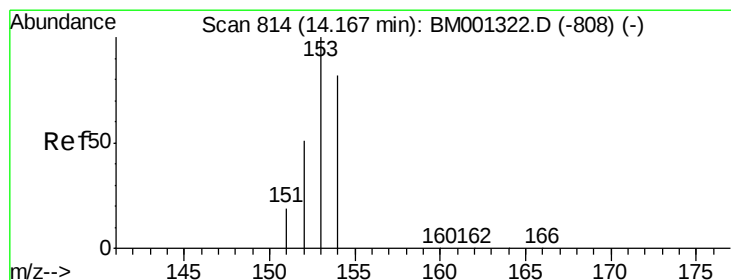
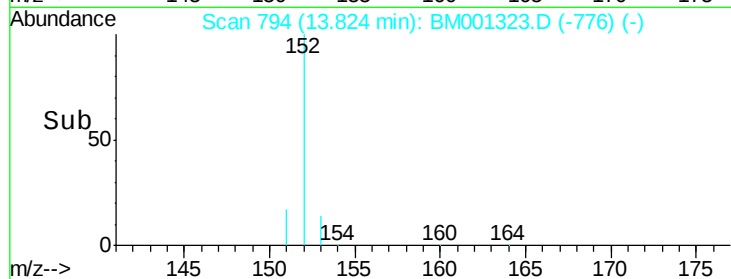
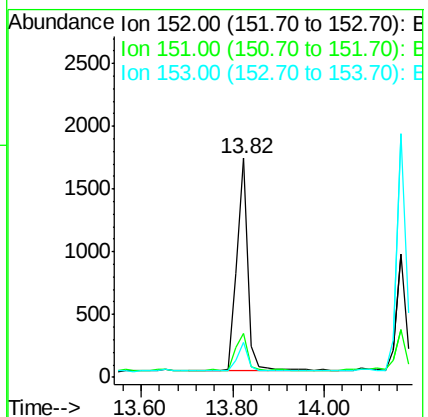
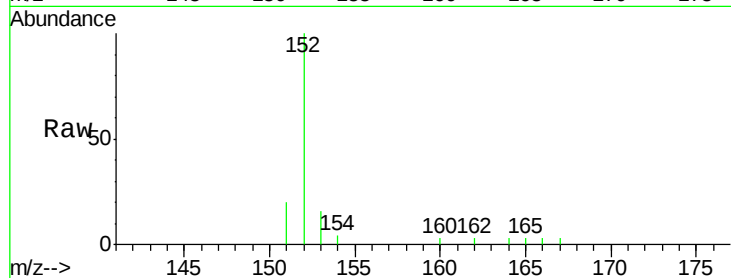
Tgt Ion:152 Resp: 2940

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

153 16.1 13.3 19.9



#8

Acenaphthene

Concen: 0.47 ng/ul

RT: 14.17 min Scan# 814

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

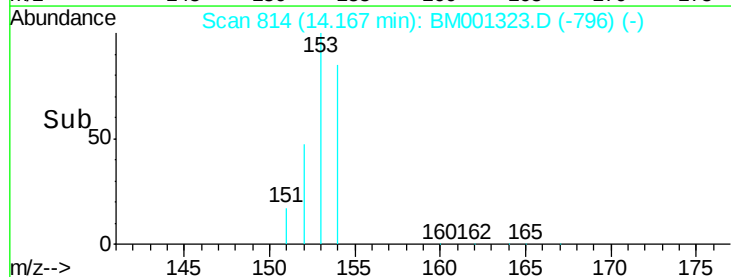
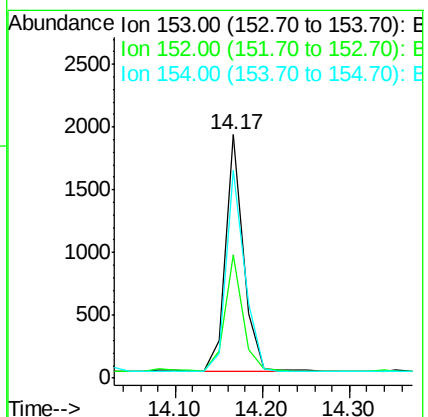
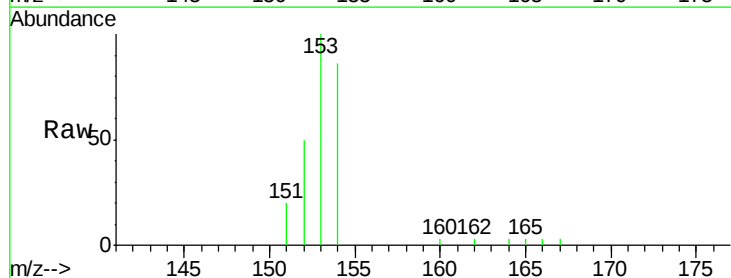
Tgt Ion:153 Resp: 2699

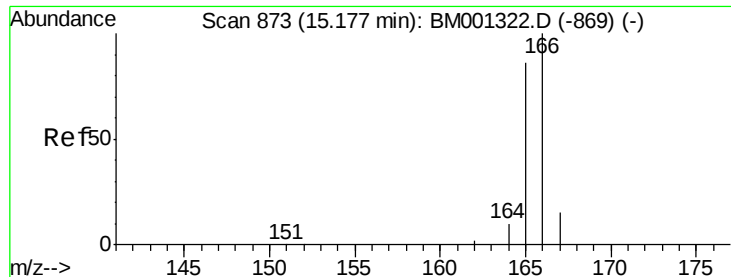
Ion Ratio Lower Upper

153 100

152 50.4 39.4 59.0

154 85.6 70.6 105.8

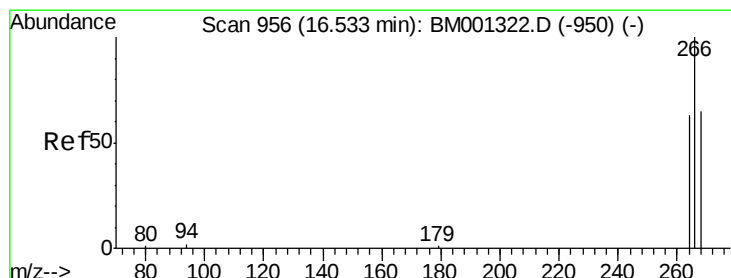
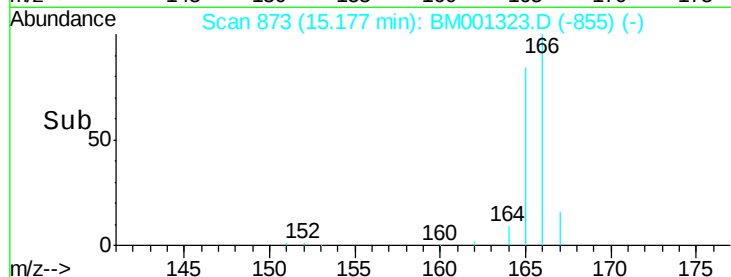
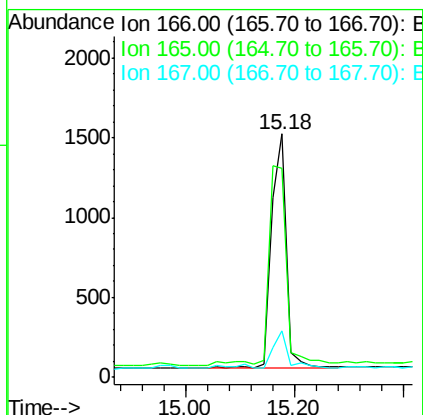
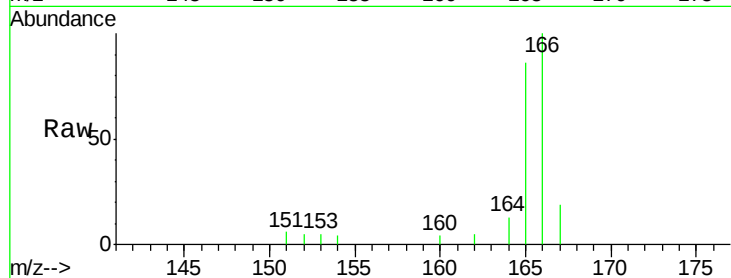




#9
Fluorene
 Concen: 0.44 ng/ul
 RT: 15.18 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BM001323.D
 Acq: 15 May 2015 10:42

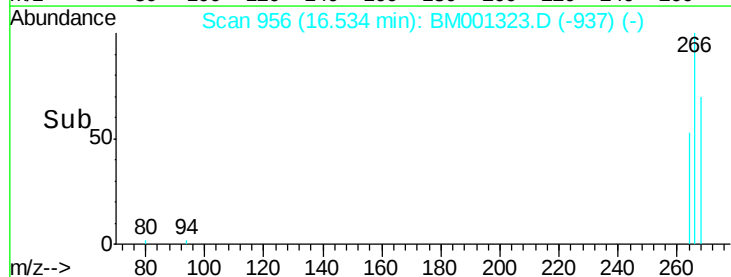
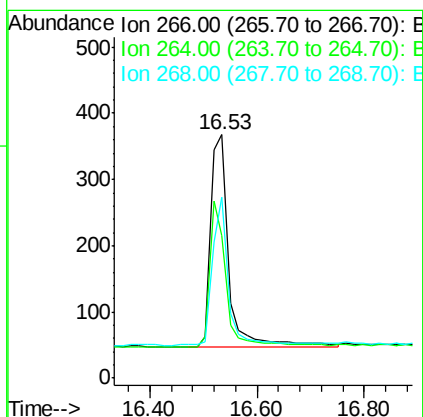
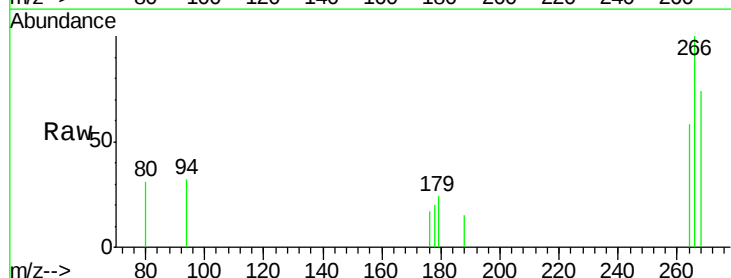
Instrument :
 BNA_M
 ClientSampleId :
 X1R81

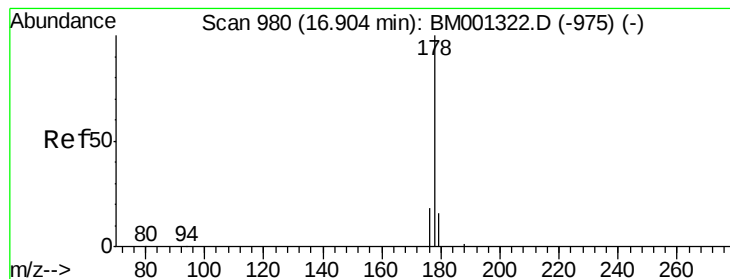
Tgt Ion:166 Resp: 2848
 Ion Ratio Lower Upper
 166 100
 165 85.6 66.2 99.2
 167 18.9 14.7 22.1



#11
Pentachlorophenol
 Concen: 0.95 ng/ul
 RT: 16.53 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: BM001323.D
 Acq: 15 May 2015 10:42

Tgt Ion:266 Resp: 737
 Ion Ratio Lower Upper
 266 100
 264 63.9 54.6 81.8
 268 63.9 51.2 76.8





#12

Phenanthrene

Concen: 0.55 ng/ul

RT: 16.91 min Scan# 980

Delta R.T. 0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

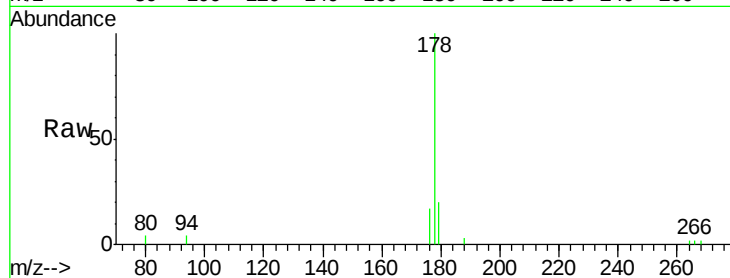
Tgt Ion:178 Resp: 5577

Ion Ratio Lower Upper

178 100

176 17.4 14.3 21.5

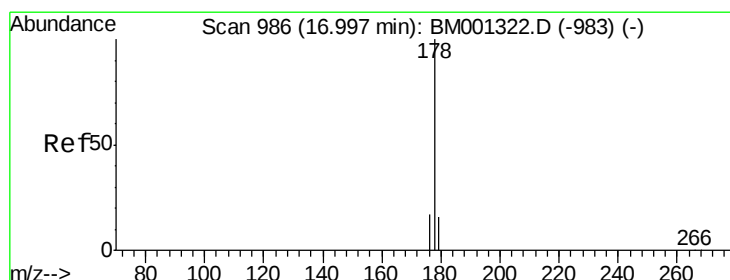
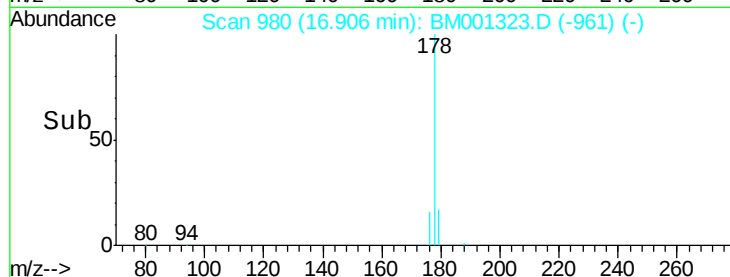
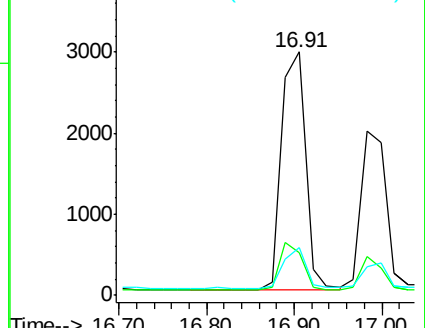
179 19.5 14.9 22.3



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: 0.60 ng/ul

RT: 16.91 min Scan# 980

Delta R.T. -0.09 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

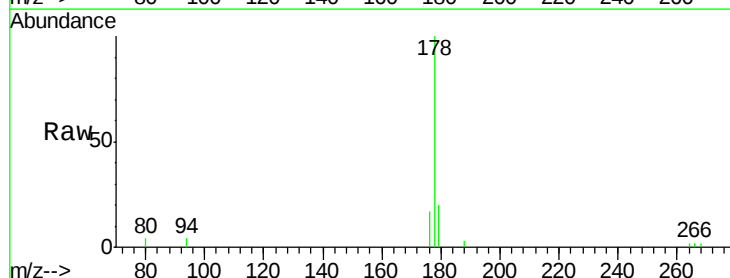
Tgt Ion:178 Resp: 5577

Ion Ratio Lower Upper

178 100

176 17.4 14.6 22.0

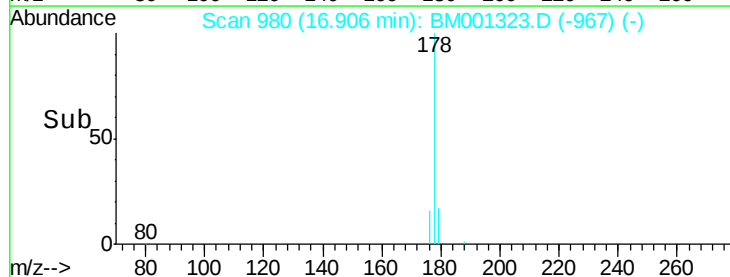
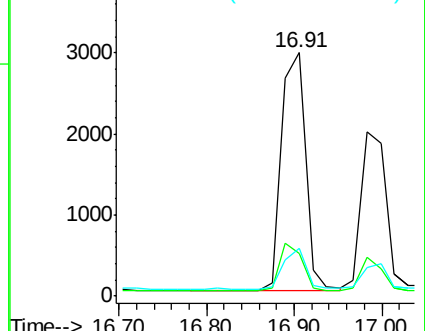
179 19.5 15.3 22.9

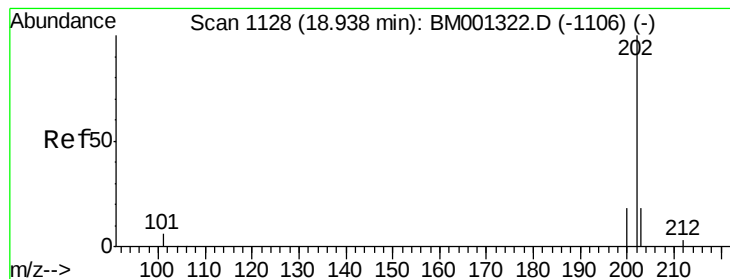


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.58 ng/ul

RT: 18.94 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

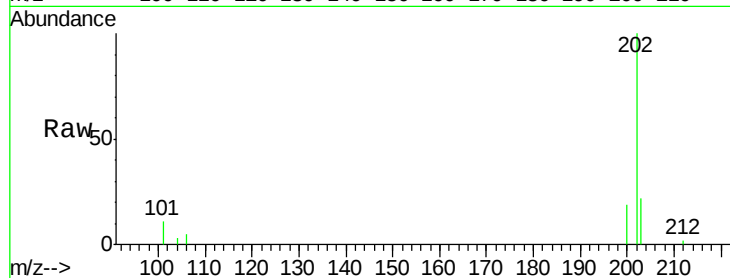
Tgt Ion:202 Resp: 6510

Ion Ratio Lower Upper

202 100

101 10.8 0.0 28.1

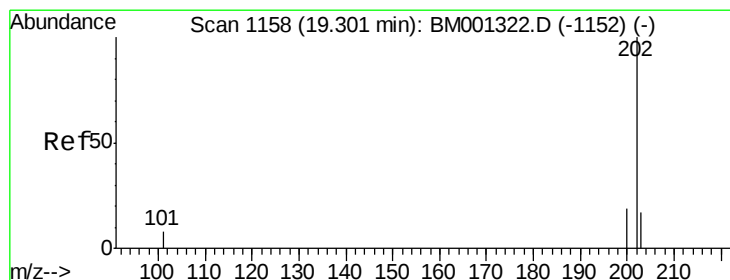
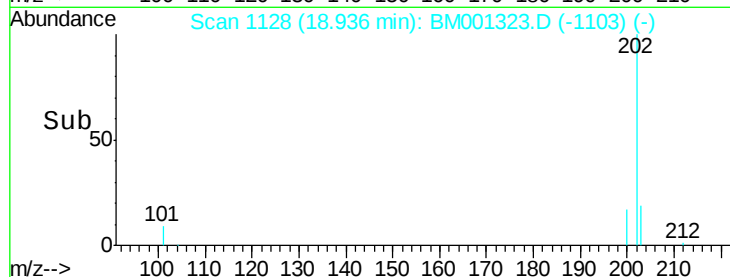
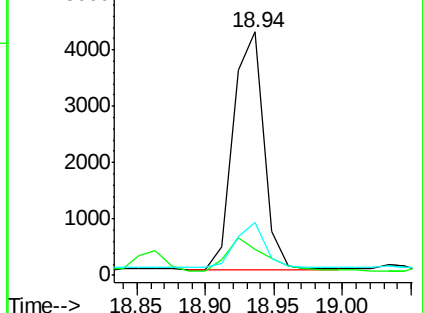
203 21.6 0.0 38.6



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: 0.68 ng/ul

RT: 19.30 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

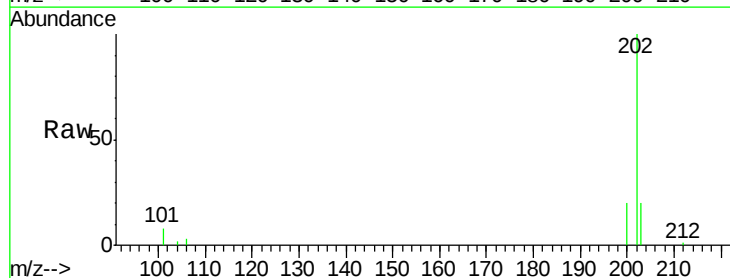
Tgt Ion:202 Resp: 8657

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

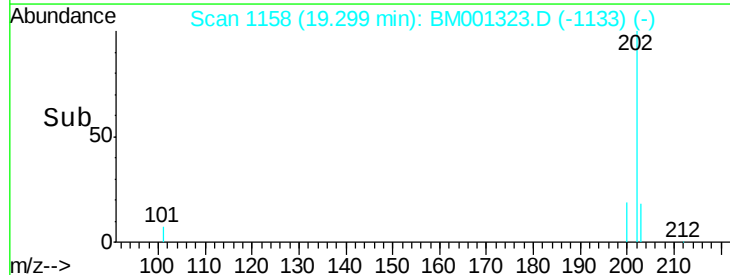
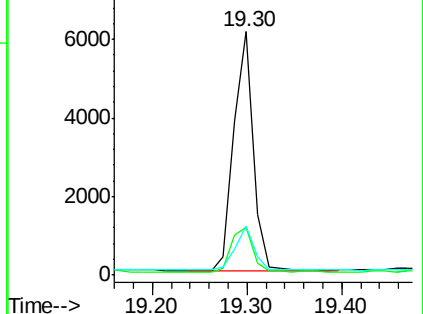
203 19.9 15.0 22.4

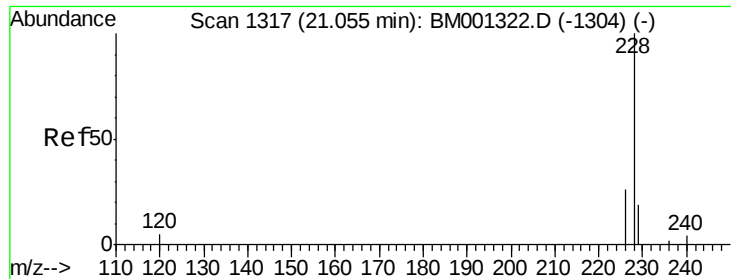


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.61 ng/ul

RT: 21.06 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

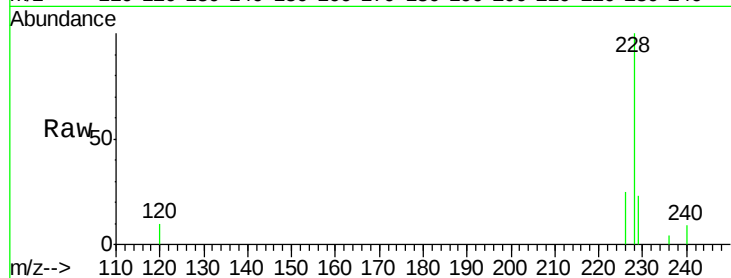
Tgt Ion:228 Resp: 6097

Ion Ratio Lower Upper

228 100

226 24.8 20.6 31.0

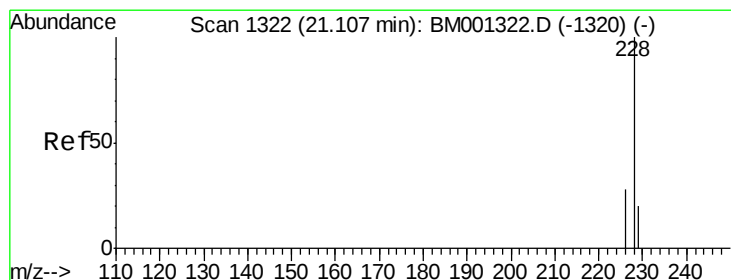
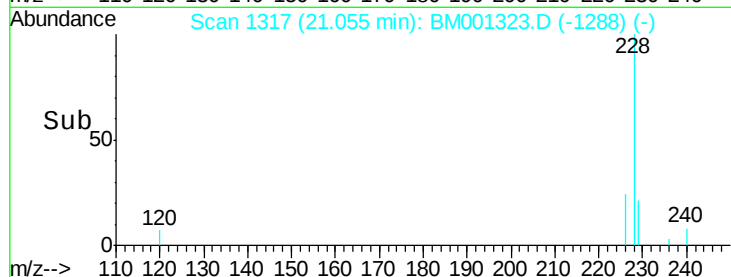
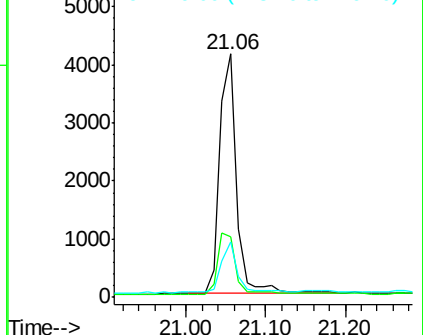
229 22.7 17.4 26.0



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: 0.53 ng/ul

RT: 21.06 min Scan# 1317

Delta R.T. -0.05 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

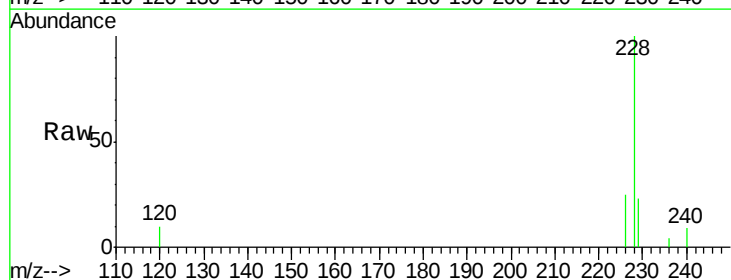
Tgt Ion:228 Resp: 6097

Ion Ratio Lower Upper

228 100

226 24.8 23.0 34.6

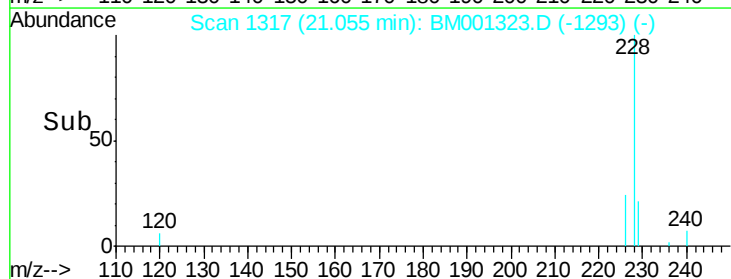
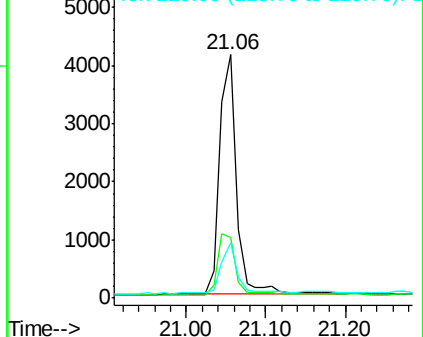
229 22.7 17.4 26.0

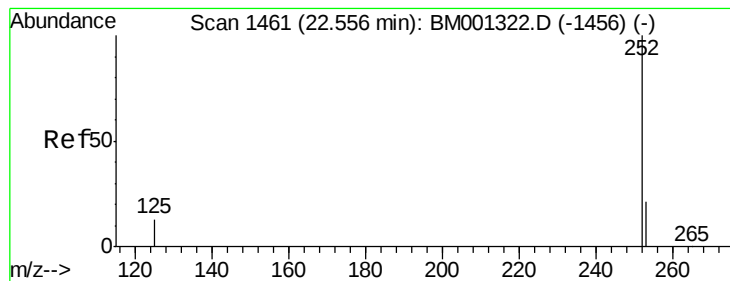


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.54 ng/ul

RT: 22.56 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

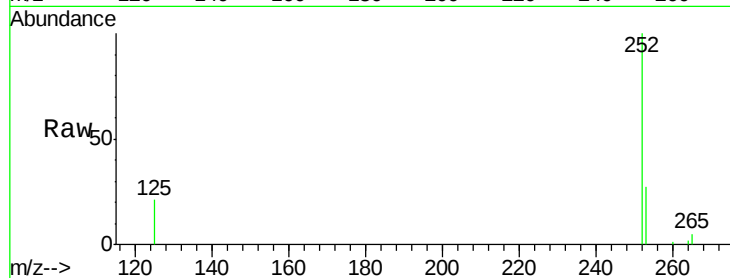
Tgt Ion:252 Resp: 6172

Ion Ratio Lower Upper

252 100

253 26.5 0.0 51.0

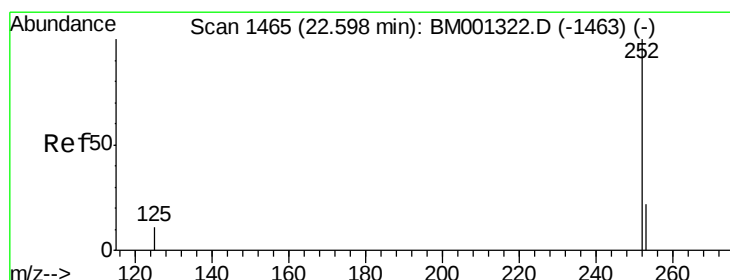
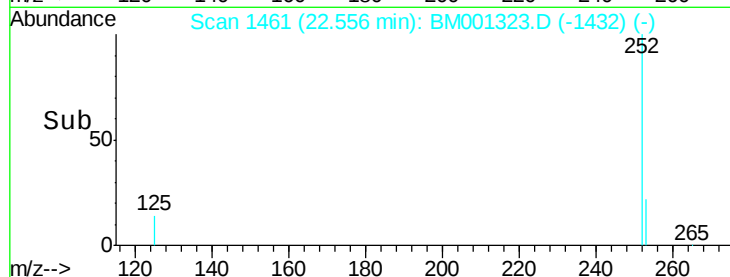
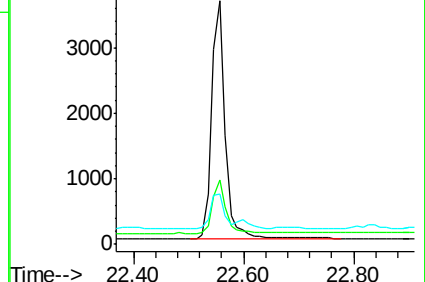
125 20.7 0.0 30.8



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: 0.52 ng/ul

RT: 22.56 min Scan# 1461

Delta R.T. -0.04 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

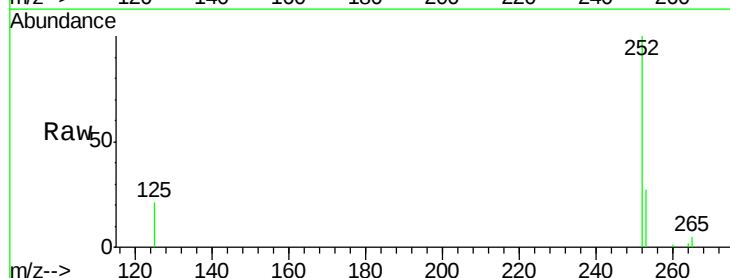
Tgt Ion:252 Resp: 6172

Ion Ratio Lower Upper

252 100

253 26.5 20.3 30.5

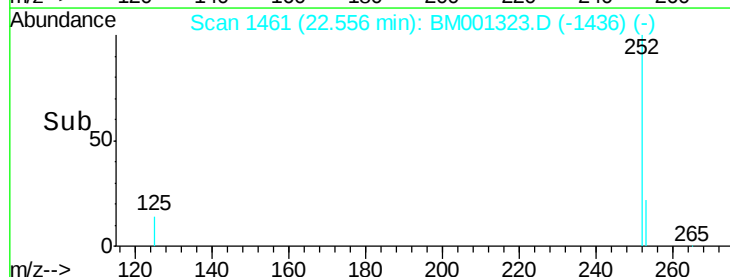
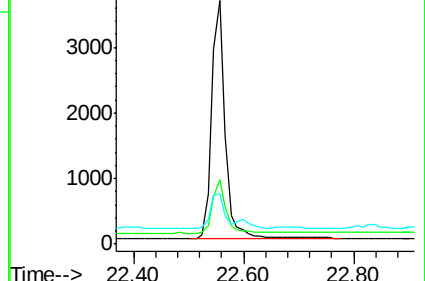
125 20.7 11.8 17.8#

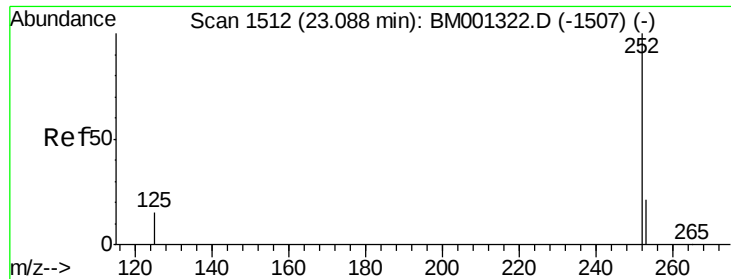


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.09 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

Instrument :

BNA_M

ClientSampleId :

X1R81

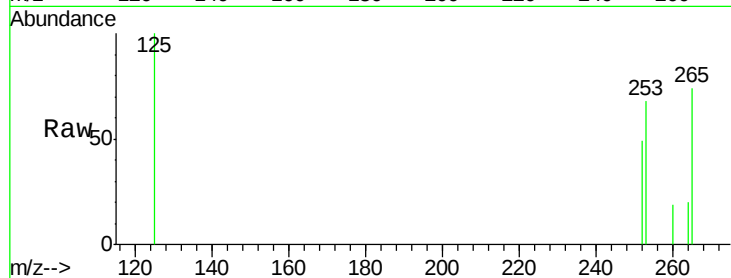
Tgt Ion:252 Resp: 110

Ion Ratio Lower Upper

252 100

253 138.8 21.7 32.5#

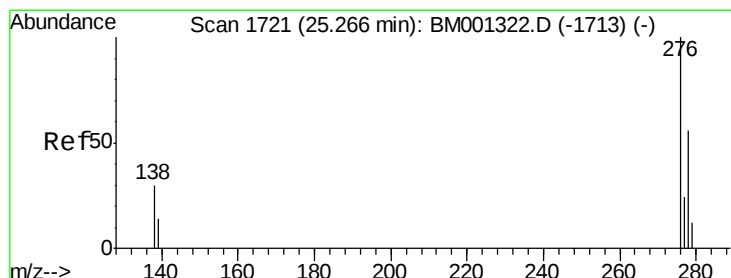
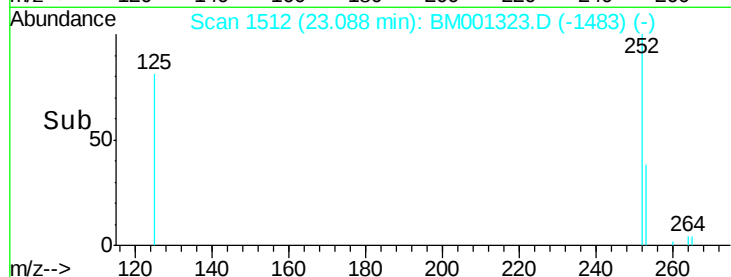
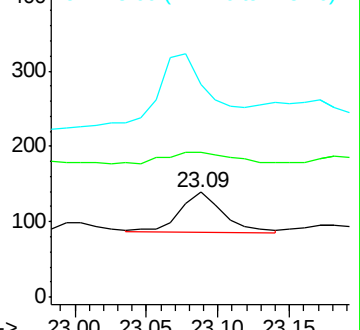
125 203.6 14.7 22.1#



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: 0.75 ng/ul

RT: 25.27 min Scan# 1721

Delta R.T. -0.00 min

Lab File: BM001323.D

Acq: 15 May 2015 10:42

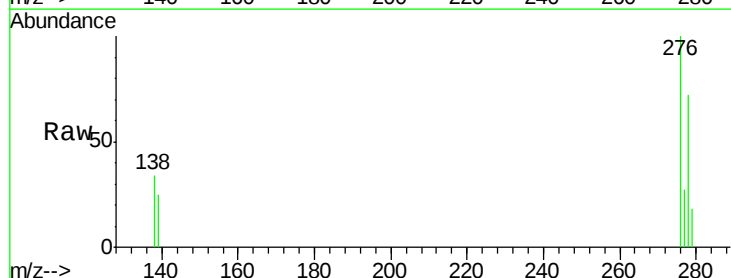
Tgt Ion:276 Resp: 9129

Ion Ratio Lower Upper

276 100

138 33.2 24.2 36.4

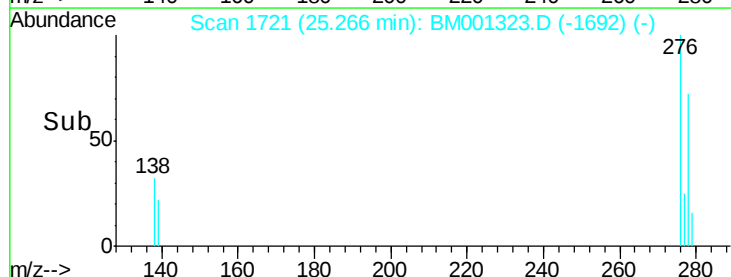
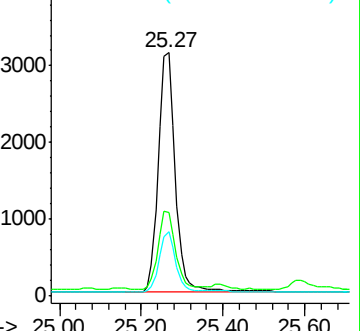
277 24.2 19.3 28.9

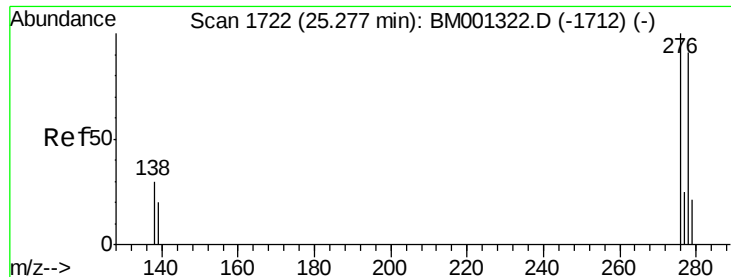


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



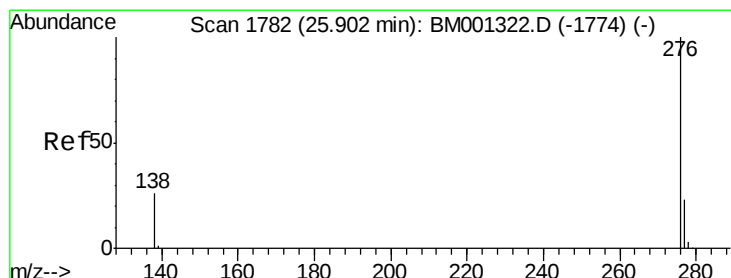
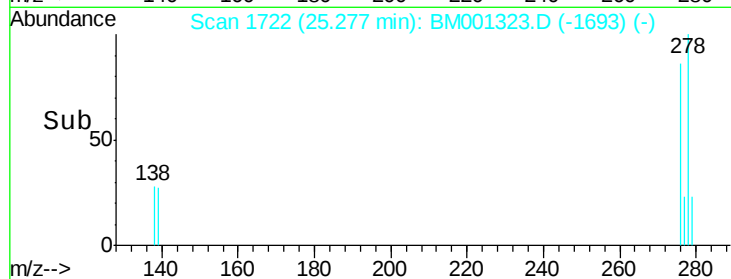
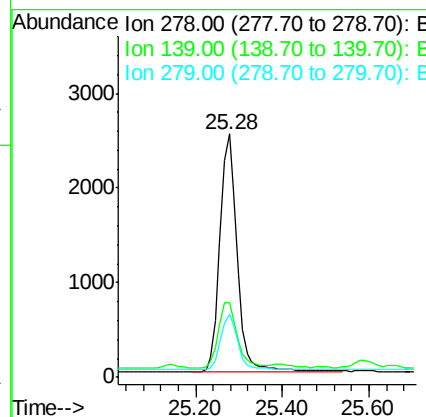
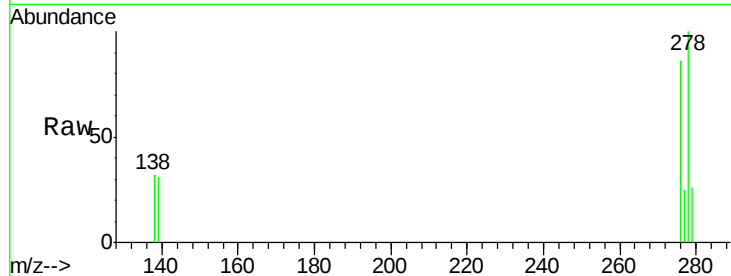


#25
Dibenzo(a,h)anthracene
Concen: 0.72 ng/ul
RT: 25.28 min Scan# 1722
Delta R.T. -0.00 min
Lab File: BM001323.D
Acq: 15 May 2015 10:42

Instrument :
BNA_M
ClientSampleId :
X1R81

Tgt Ion: 278 Resp: 6988

Ion	Ratio	Lower	Upper
278	100		
139	30.9	18.6	28.0#
279	26.0	23.2	34.8



#26
Benzo(g,h,i)perylene
Concen: 0.45 ng/ul
RT: 25.89 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BM001323.D
Acq: 15 May 2015 10:42

Tgt Ion: 276 Resp: 4909

Ion	Ratio	Lower	Upper
276	100		
277	25.3	20.9	31.3
138	32.2	23.3	34.9

