

Data Path : Z:\HPCHEM1\BNA_M\Data\BM042916\
 Data File : BM005138.D
 Acq On : 29 Apr 2016 11:13
 Operator : UM/SJ
 Sample : H2566-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X2386

Quant Time: Apr 29 14:02:28 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 29 13:46:03 2016
 Response via : Initial Calibration

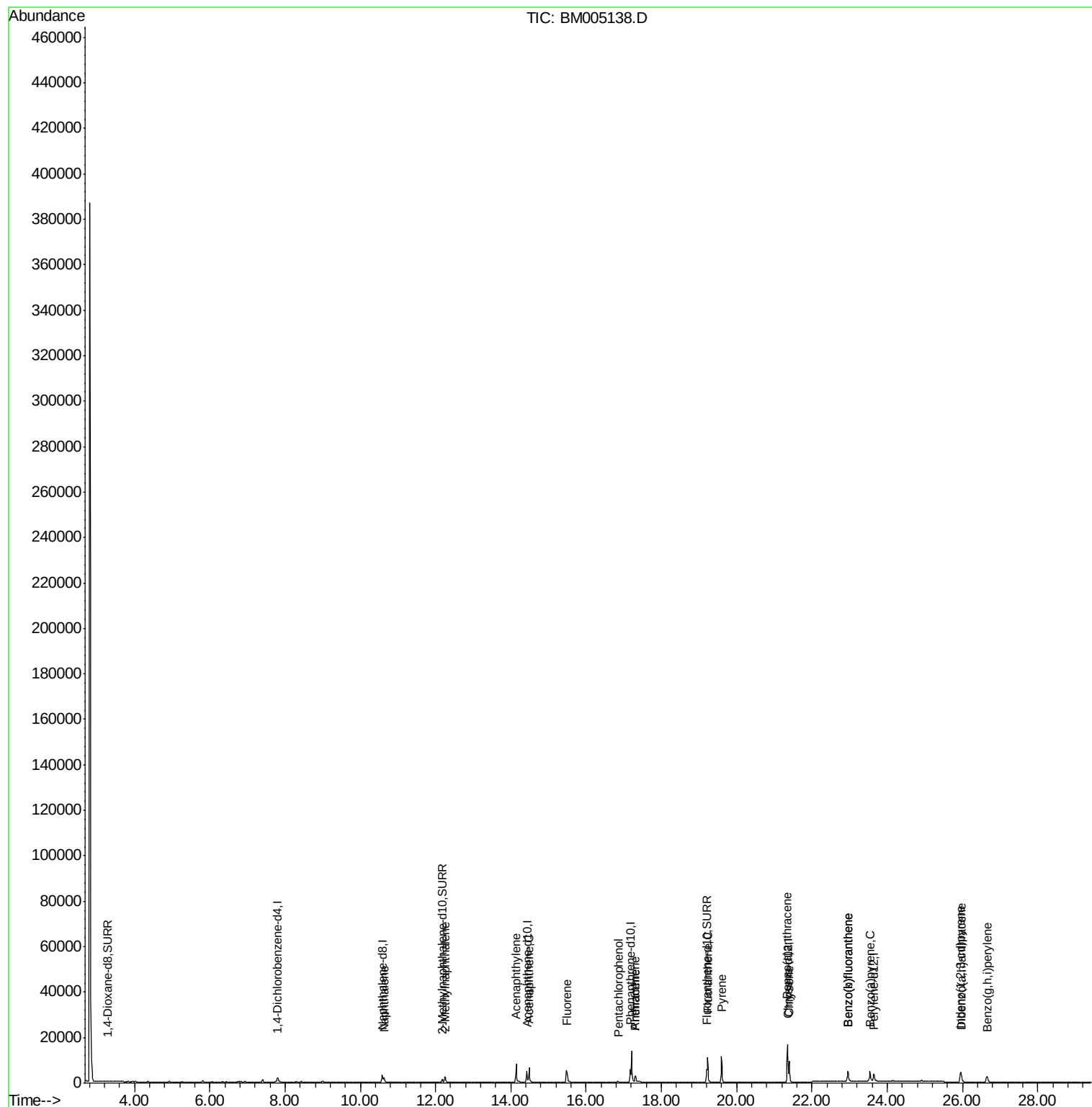
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1441	0.40	ng/ul	0.02
4) Naphthalene-d8	10.58	136	6199	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.43	164	3615	0.40	ng/ul	0.02
12) Phenanthrene-d10	17.18	188	8383	0.40	ng/ul	0.00
18) Chrysene-d12	21.37	240	7214	0.40	ng/ul	0.00
22) Perylene-d12	23.64	264	4749	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.29	96	19	0.03	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.17	152	2735	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.21	212	6782	0.40	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.63	128	3598	0.25	ng/ul#	93
7) 2-Methylnaphthalene	12.25	142	2719	0.28	ng/ul	100
9) Acenaphthylene	14.14	152	11150	0.77	ng/ul	95
10) Acenaphthene	14.49	153	3995	0.33	ng/ul	87
11) Fluorene	15.48	166	4940	0.38	ng/ul#	80
13) Pentachlorophenol	16.85	266	321	0.32	ng/ul	95
14) Phenanthrene	17.31	178	3778	0.16	ng/ul	96
15) Anthracene	17.31	178	4761	0.24	ng/ul	95
17) Fluoranthene	19.23	202	10634	0.45	ng/ul	96
19) Pyrene	19.60	202	11747	0.40	ng/ul	99
20) Benzo(a)anthracene	21.35	228	15003	0.78	ng/ul	95
21) Chrysene	21.40	228	9136	0.40	ng/ul	96
23) Benzo(b)fluoranthene	22.95	252	6377	0.37	ng/ul	92
24) Benzo(k)fluoranthene	22.95	252	6421	0.39	ng/ul#	94
25) Benzo(a)pyrene	23.55	252	7377	0.51	ng/ul#	93
26) Indeno(1,2,3-cd)pyrene	25.95	276	5343	0.35	ng/ul#	79
27) Dibenzo(a,h)anthracene	25.97	278	4438	0.38	ng/ul#	87
28) Benzo(g,h,i)perylene	26.65	276	5627	0.41	ng/ul#	88

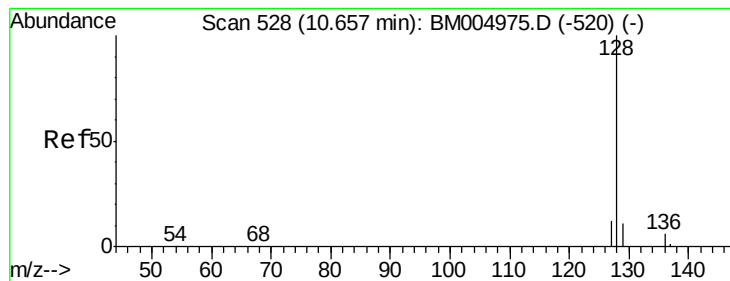
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.25 ng/ul

RT: 10.63 min Scan# 526

Delta R.T. 0.01 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

Instrument :

BNA_M

ClientSampleId :

X2386

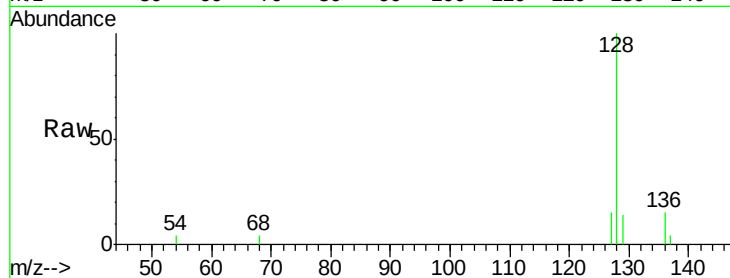
Tgt Ion:128 Resp: 3598

Ion Ratio Lower Upper

128 100

129 13.7 9.0 13.6#

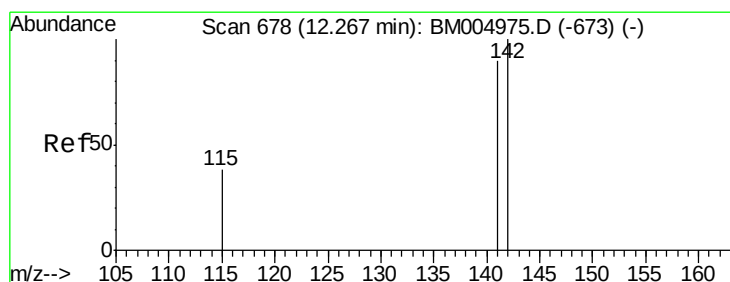
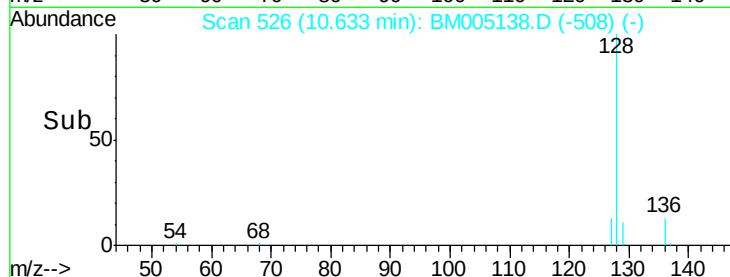
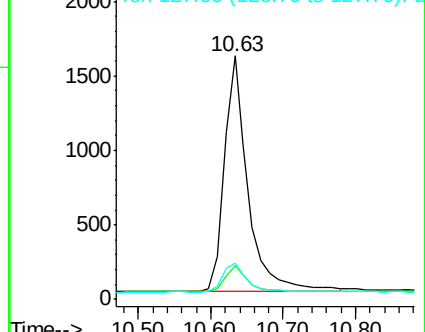
127 15.1 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.28 ng/ul

RT: 12.25 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM005138.D

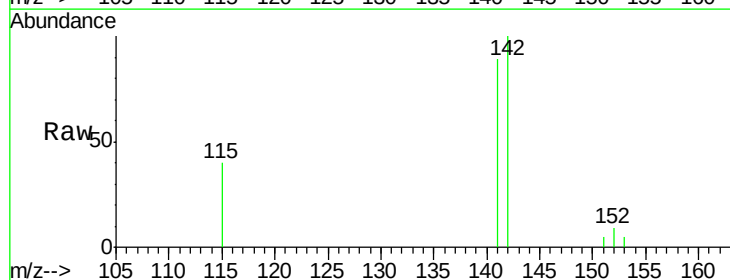
Acq: 29 Apr 2016 11:13

Tgt Ion:142 Resp: 2719

Ion Ratio Lower Upper

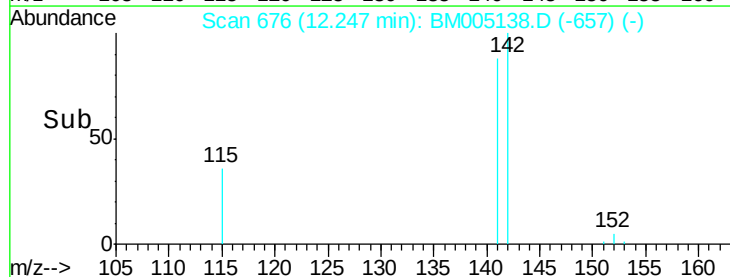
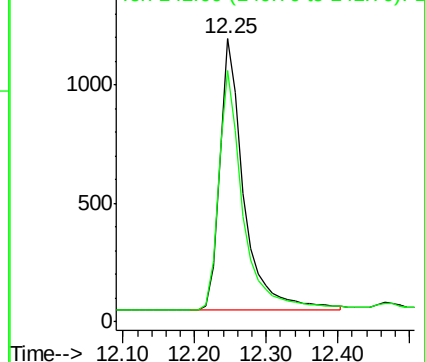
142 100

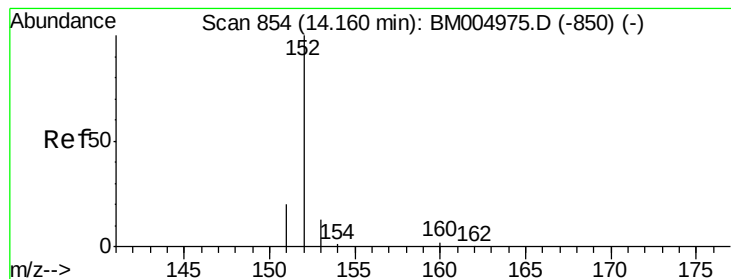
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.77 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

Instrument :

BNA_M

ClientSampleId :

X2386

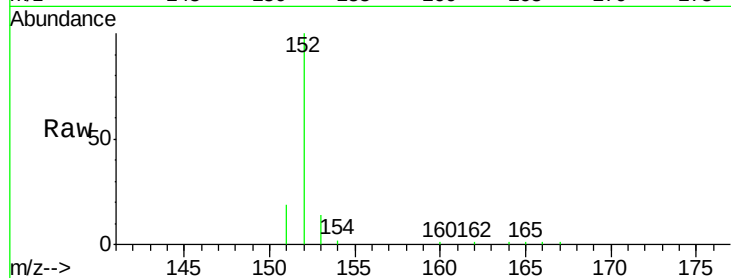
Tgt Ion:152 Resp: 11150

Ion Ratio Lower Upper

152 100

151 19.5 17.6 26.4

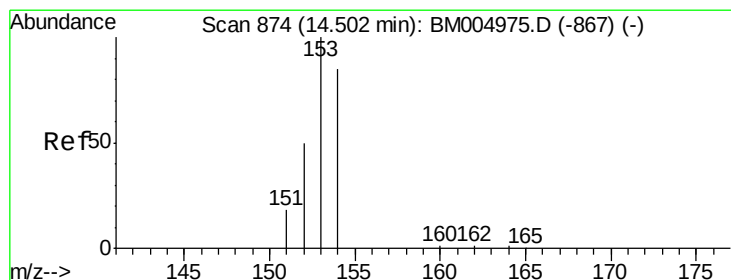
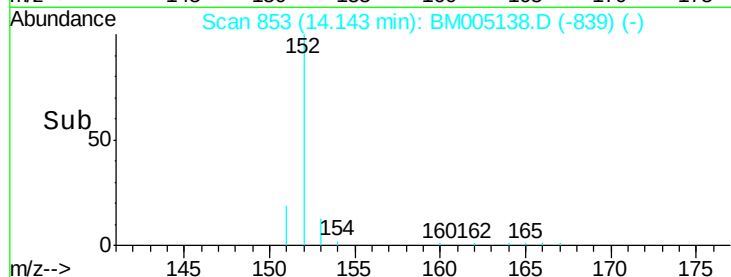
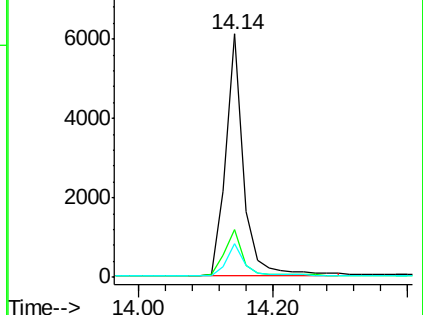
153 14.0 9.7 14.5



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



#10

Acenaphthene

Concen: 0.33 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

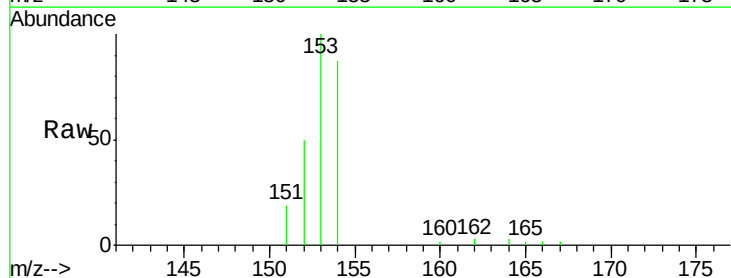
Tgt Ion:153 Resp: 3995

Ion Ratio Lower Upper

153 100

152 49.6 33.9 50.9

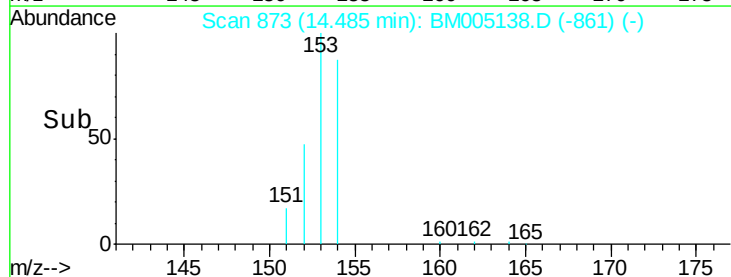
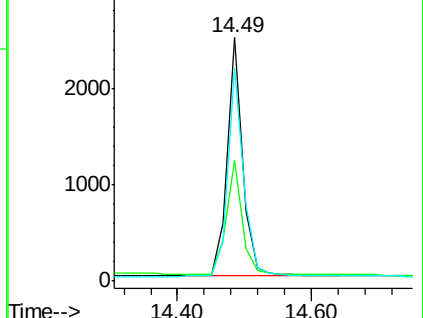
154 87.3 80.6 121.0

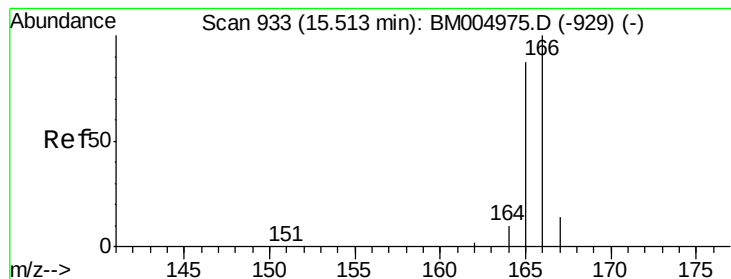


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.38 ng/ul

RT: 15.48 min Scan# 931

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

Instrument :

BNA_M

ClientSampleId :

X2386

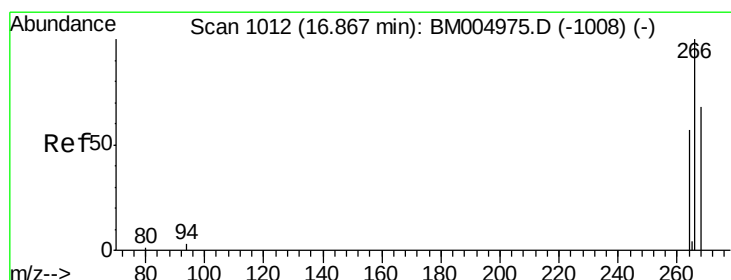
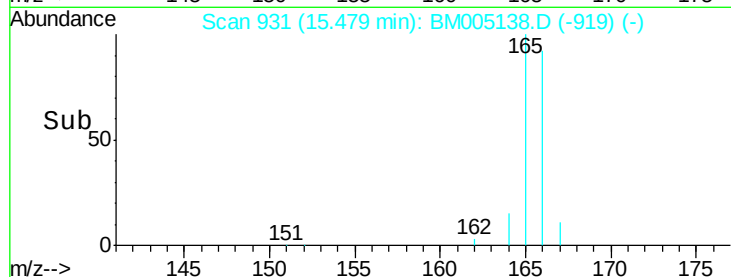
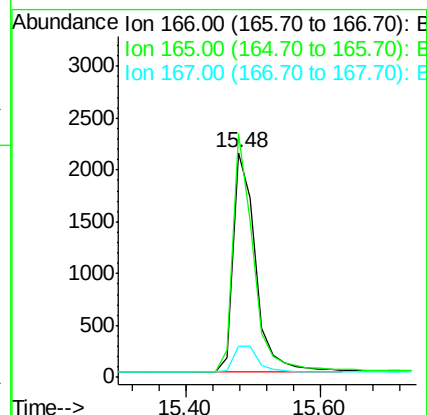
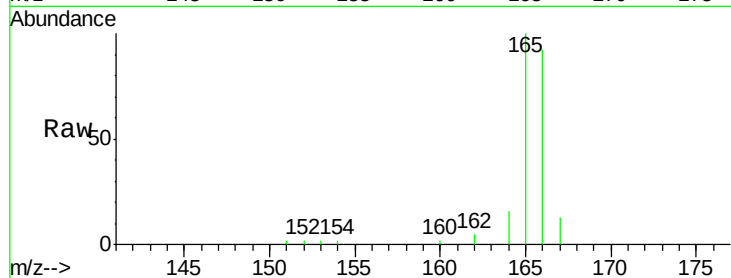
Tgt Ion:166 Resp: 4940

Ion Ratio Lower Upper

166 100

165 108.3 69.6 104.4#

167 13.8 11.9 17.9



#13

Pentachlorophenol

Concen: 0.32 ng/ul

RT: 16.85 min Scan# 1011

Delta R.T. 0.02 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

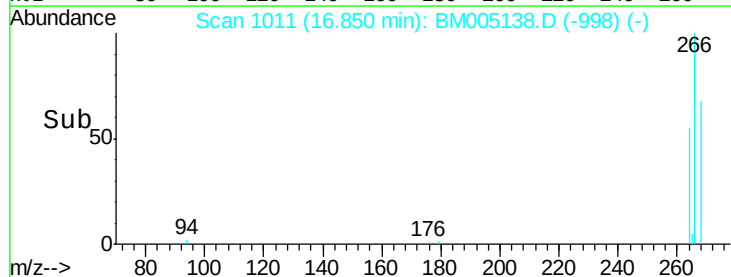
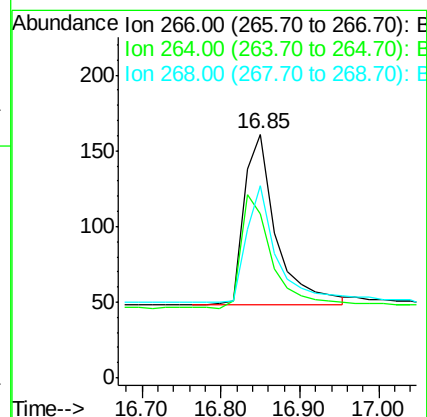
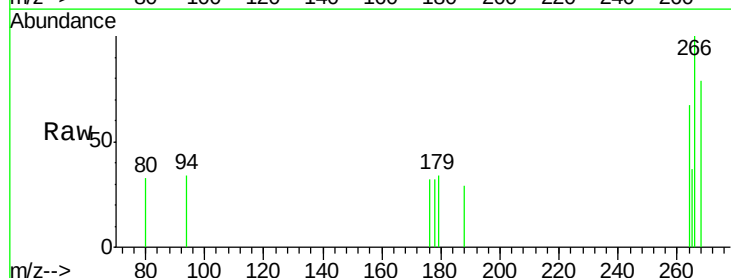
Tgt Ion:266 Resp: 321

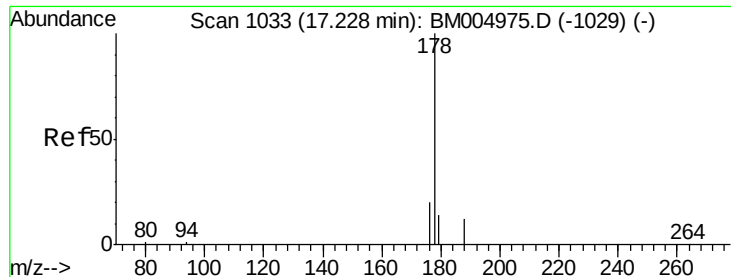
Ion Ratio Lower Upper

266 100

264 62.9 51.8 77.8

268 64.2 46.8 70.2

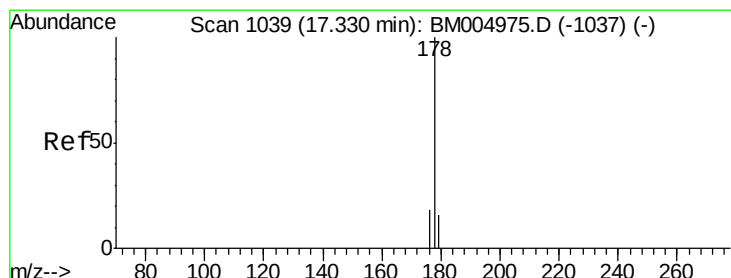
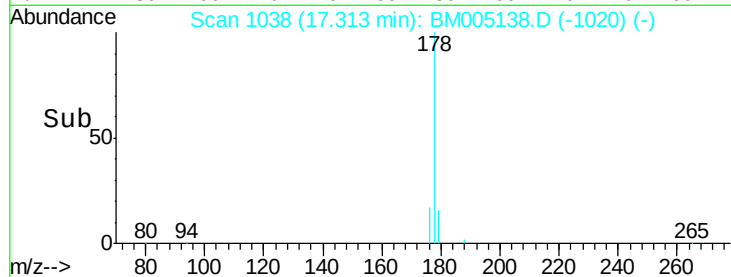
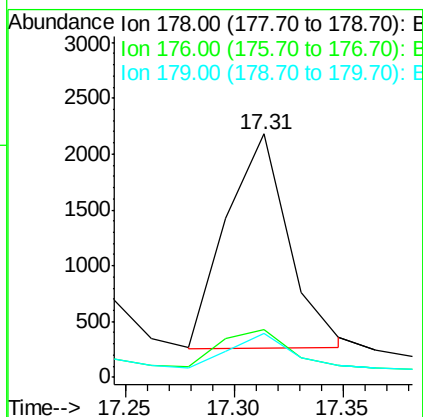
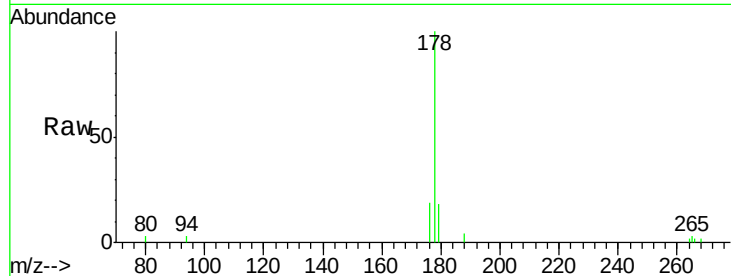




#14
 Phenanthrene
 Concen: 0.16 ng/ul
 RT: 17.31 min Scan# 1038
 Delta R.T. 0.10 min
 Lab File: BM005138.D
 Acq: 29 Apr 2016 11:13

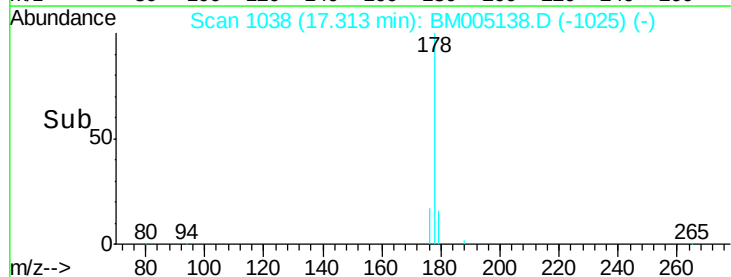
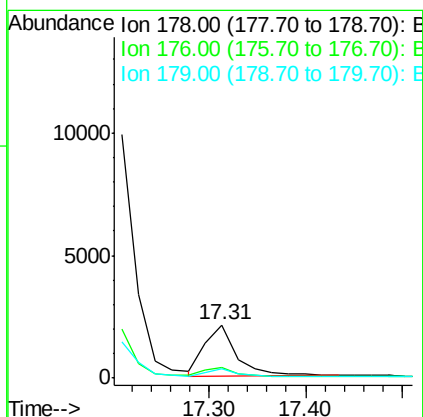
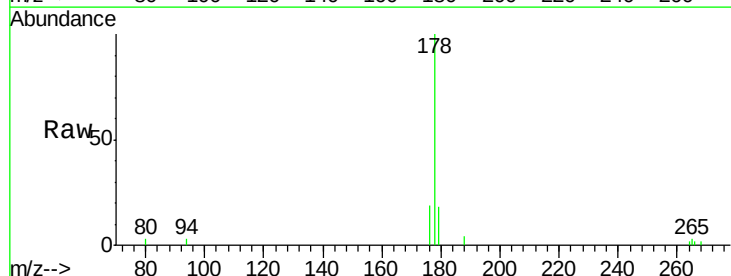
Instrument :
 BNA_M
 ClientSampleId :
 X2386

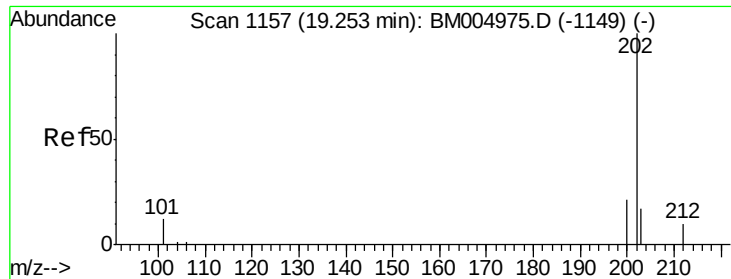
Tgt Ion:178 Resp: 3778
 Ion Ratio Lower Upper
 178 100
 176 19.4 13.0 19.4
 179 18.2 14.2 21.2



#15
 Anthracene
 Concen: 0.24 ng/ul
 RT: 17.31 min Scan# 1038
 Delta R.T. 0.02 min
 Lab File: BM005138.D
 Acq: 29 Apr 2016 11:13

Tgt Ion:178 Resp: 4761
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.0 21.0
 179 18.2 12.9 19.3

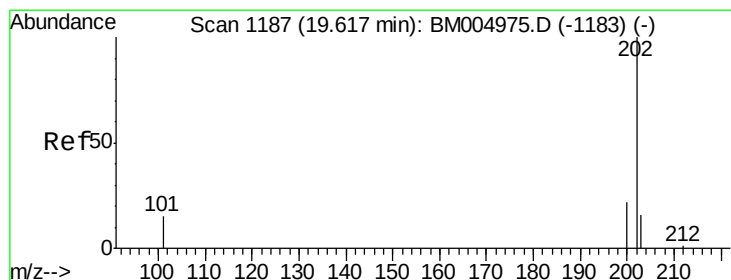
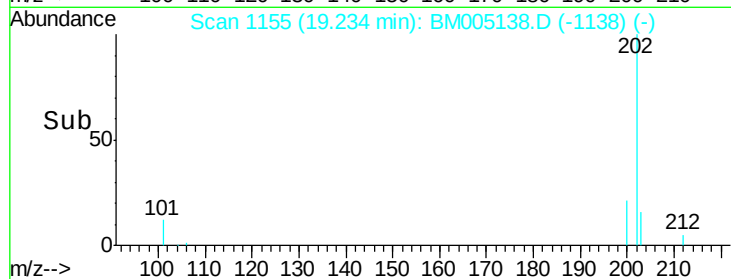
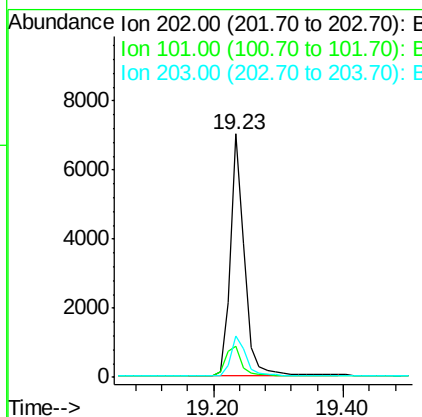
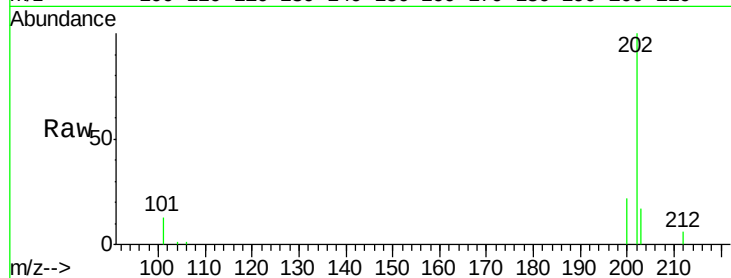




#17
Fluoranthene
 Concen: 0.45 ng/ul
 RT: 19.23 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BM005138.D
 Acq: 29 Apr 2016 11:13

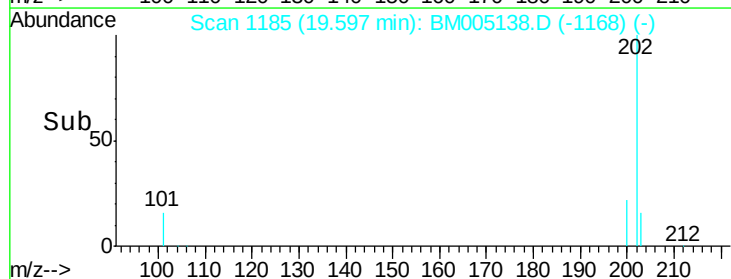
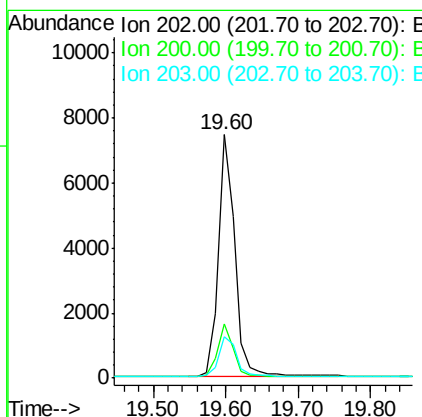
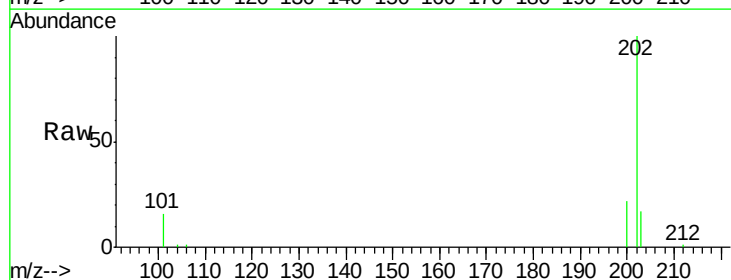
Instrument :
 BNA_M
 ClientSampleId :
 X2386

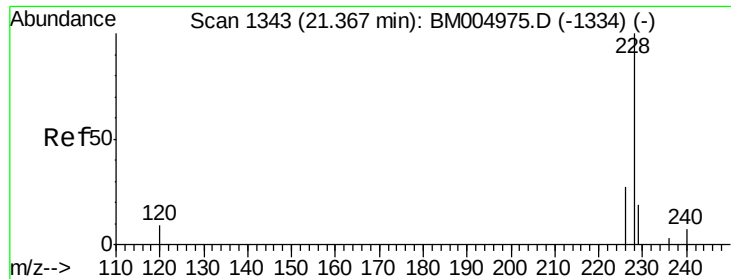
Tgt Ion: 202 Resp: 10634
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 29.6
 203 17.0 0.0 36.3



#19
Pyrene
 Concen: 0.40 ng/ul
 RT: 19.60 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: BM005138.D
 Acq: 29 Apr 2016 11:13

Tgt Ion: 202 Resp: 11747
 Ion Ratio Lower Upper
 202 100
 200 22.4 17.8 26.8
 203 16.9 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.78 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

Instrument :

BNA_M

ClientSampleId :

X2386

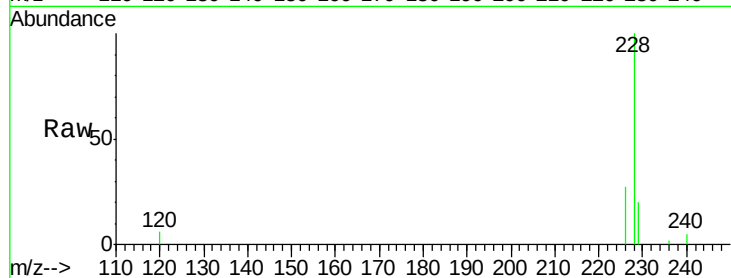
Tgt Ion:228 Resp: 15003

Ion Ratio Lower Upper

228 100

226 26.5 18.8 28.2

229 19.8 17.1 25.7

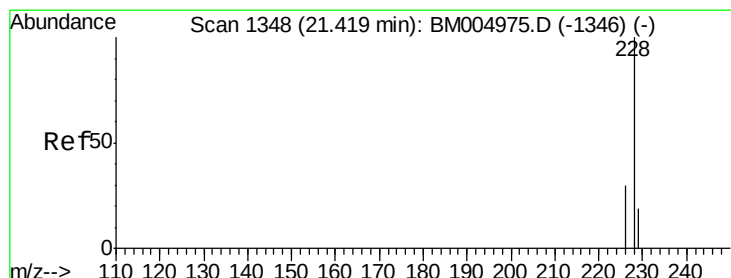
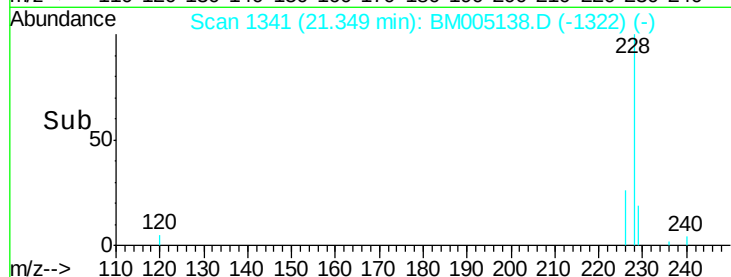
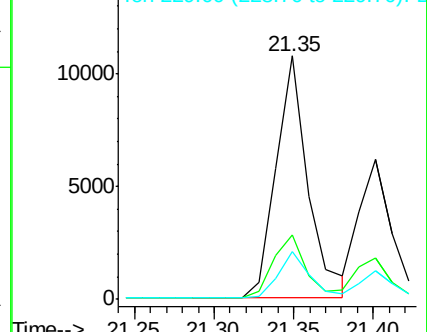


Abundance

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

Chrysene

Concen: 0.40 ng/ul

RT: 21.40 min Scan# 1346

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

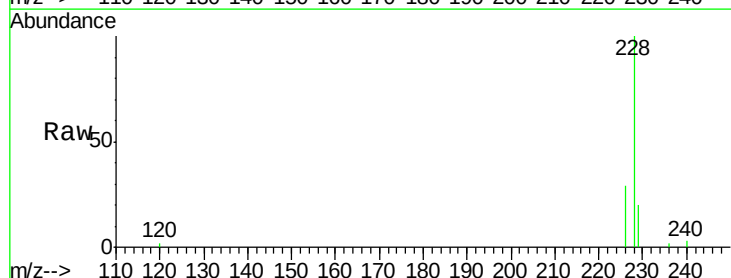
Tgt Ion:228 Resp: 9136

Ion Ratio Lower Upper

228 100

226 29.2 21.2 31.8

229 20.4 17.0 25.6

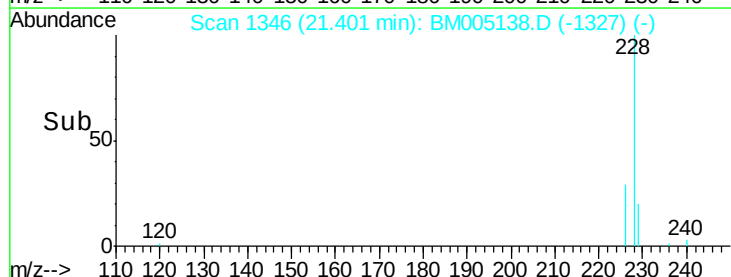
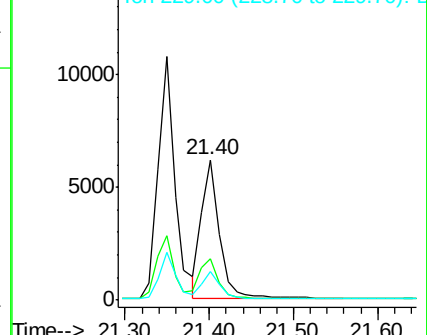


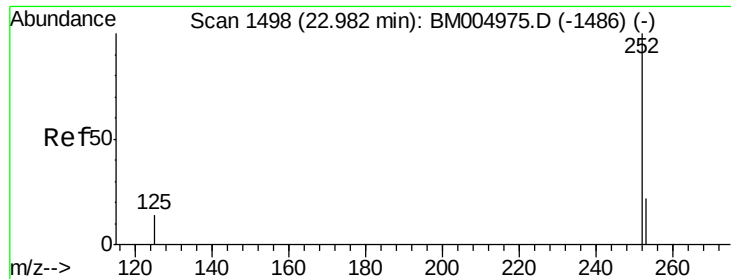
Abundance

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





#23

Benzo(b)fluoranthene

Concen: 0.37 ng/ul

RT: 22.95 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

Instrument :

BNA_M

ClientSampleId :

X2386

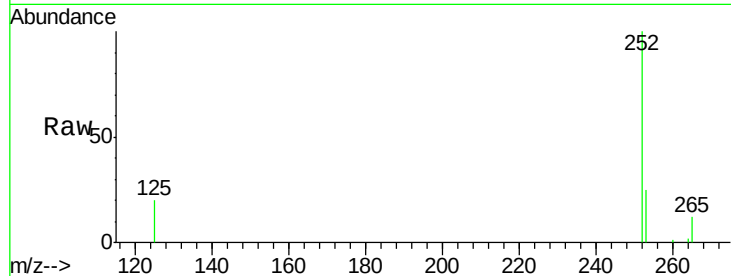
Tgt Ion:252 Resp: 6377

Ion Ratio Lower Upper

252 100

253 25.3 0.0 45.4

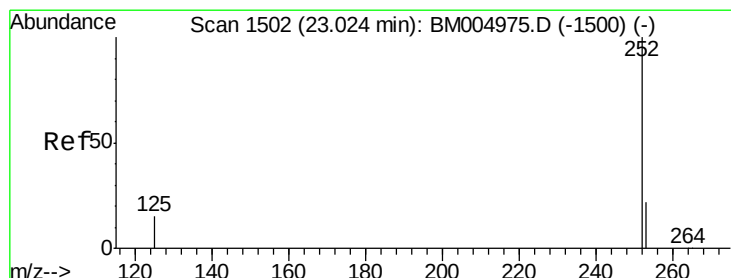
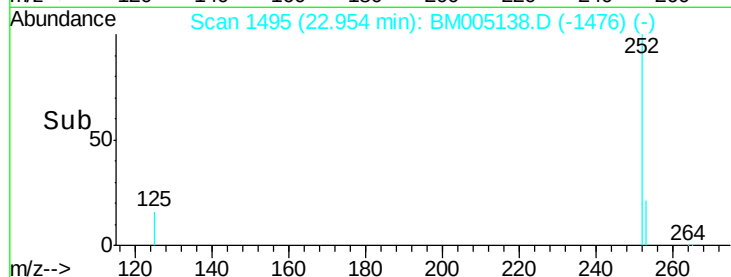
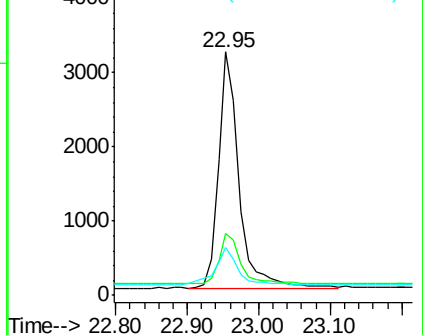
125 19.5 0.0 28.8



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



#24

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 22.95 min Scan# 1495

Delta R.T. -0.04 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

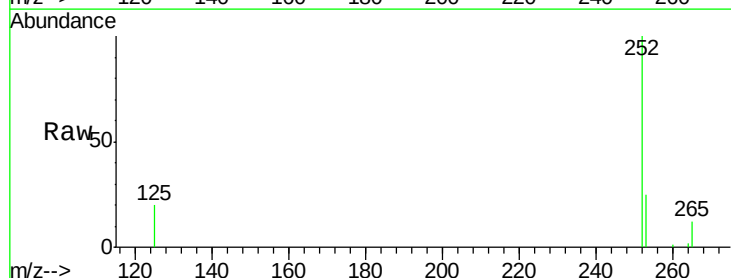
Tgt Ion:252 Resp: 6421

Ion Ratio Lower Upper

252 100

253 25.3 19.8 29.8

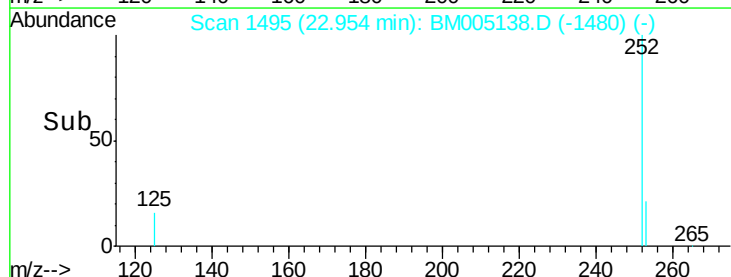
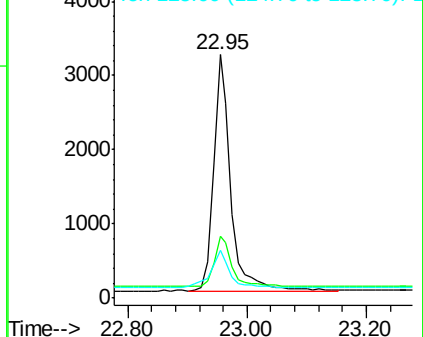
125 19.5 10.4 15.6#

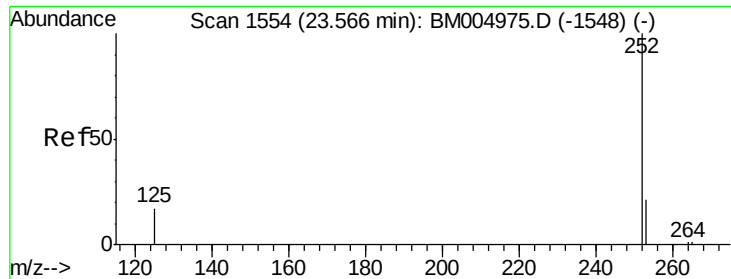


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.51 ng/ul

RT: 23.55 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

Instrument :

BNA_M

ClientSampleId :

X2386

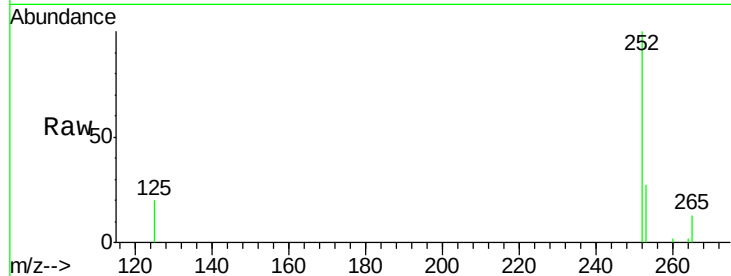
Tgt Ion:252 Resp: 7377

Ion Ratio Lower Upper

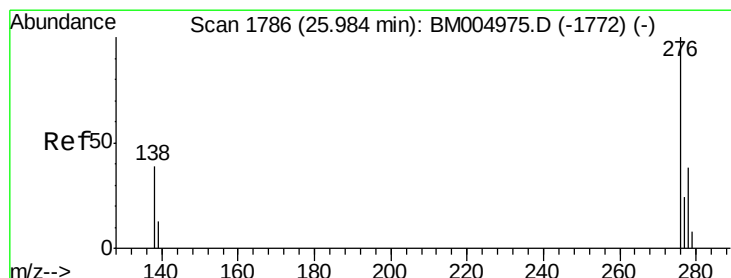
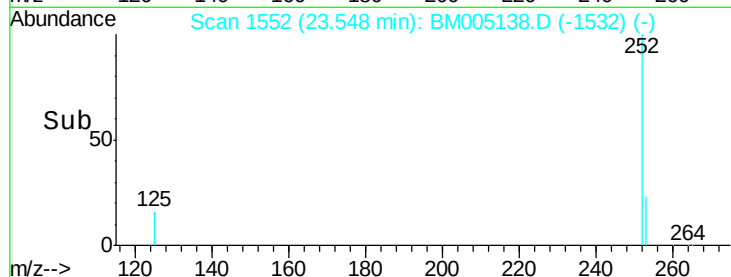
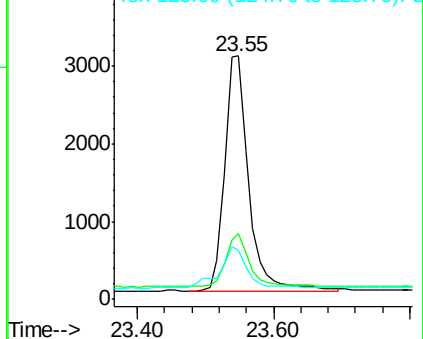
252 100

253 27.0 19.4 29.2

125 20.0 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.35 ng/ul

RT: 25.95 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BM005138.D

Acq: 29 Apr 2016 11:13

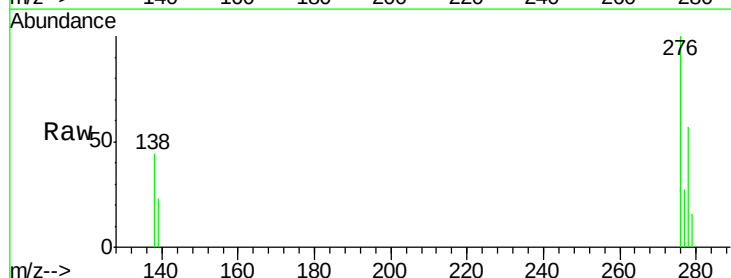
Tgt Ion:276 Resp: 5343

Ion Ratio Lower Upper

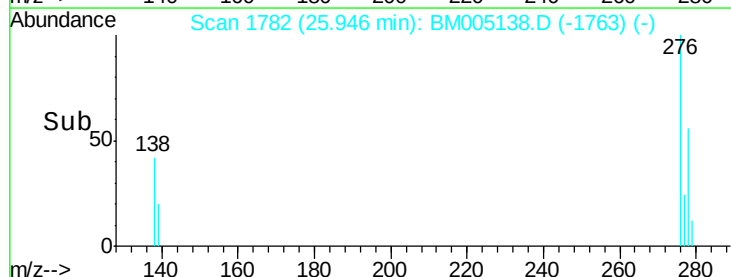
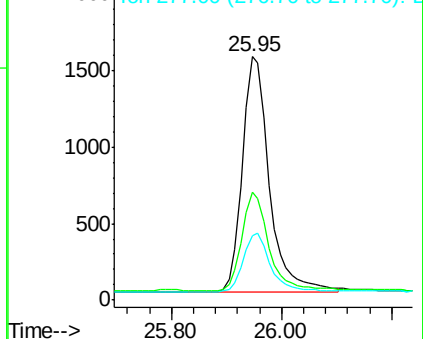
276 100

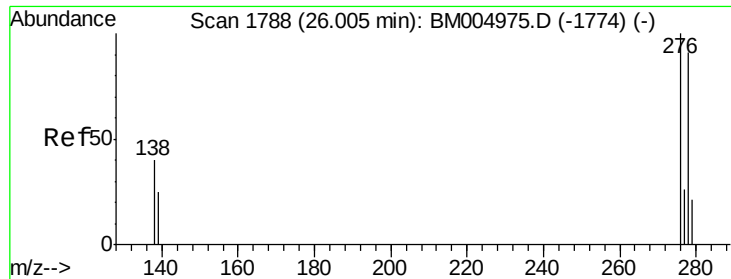
138 41.5 16.3 24.5#

277 25.1 19.8 29.8



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

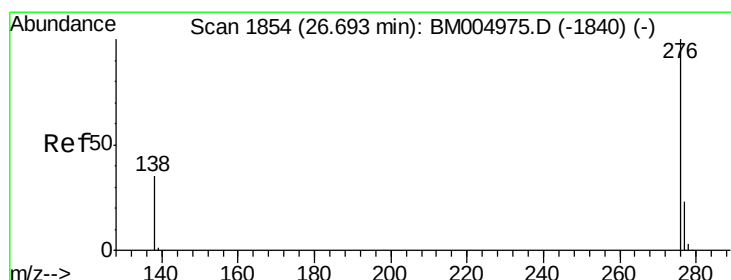
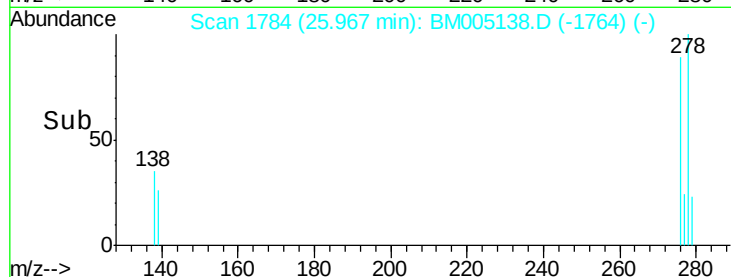
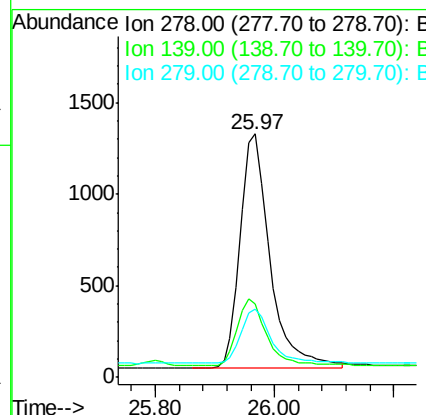
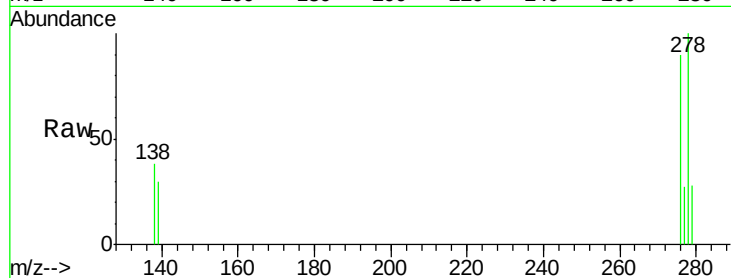




#27
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 25.97 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BM005138.D
Acq: 29 Apr 2016 11:13

Instrument :
BNA_M
ClientSampleId :
X2386

Tgt Ion: 278 Resp: 4438
Ion Ratio Lower Upper
278 100
139 29.9 16.4 24.6#
279 28.3 20.2 30.2



#28
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 26.65 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BM005138.D
Acq: 29 Apr 2016 11:13

Tgt Ion: 276 Resp: 5627
Ion Ratio Lower Upper
276 100
277 25.8 18.9 28.3
138 37.5 22.5 33.7#

