

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003221.D
 Acq On : 20 Nov 2015 15:09
 Operator : UM/IZ
 Sample : G4345-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4J00

Quant Time: Nov 21 03:30:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 21 03:26:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	12515	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	48309	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	25922	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	55878	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	56308	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	53201	0.40	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.16	96	461	0.03	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	12.12	152	20990	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	54395	0.40	ng/ul	0.00

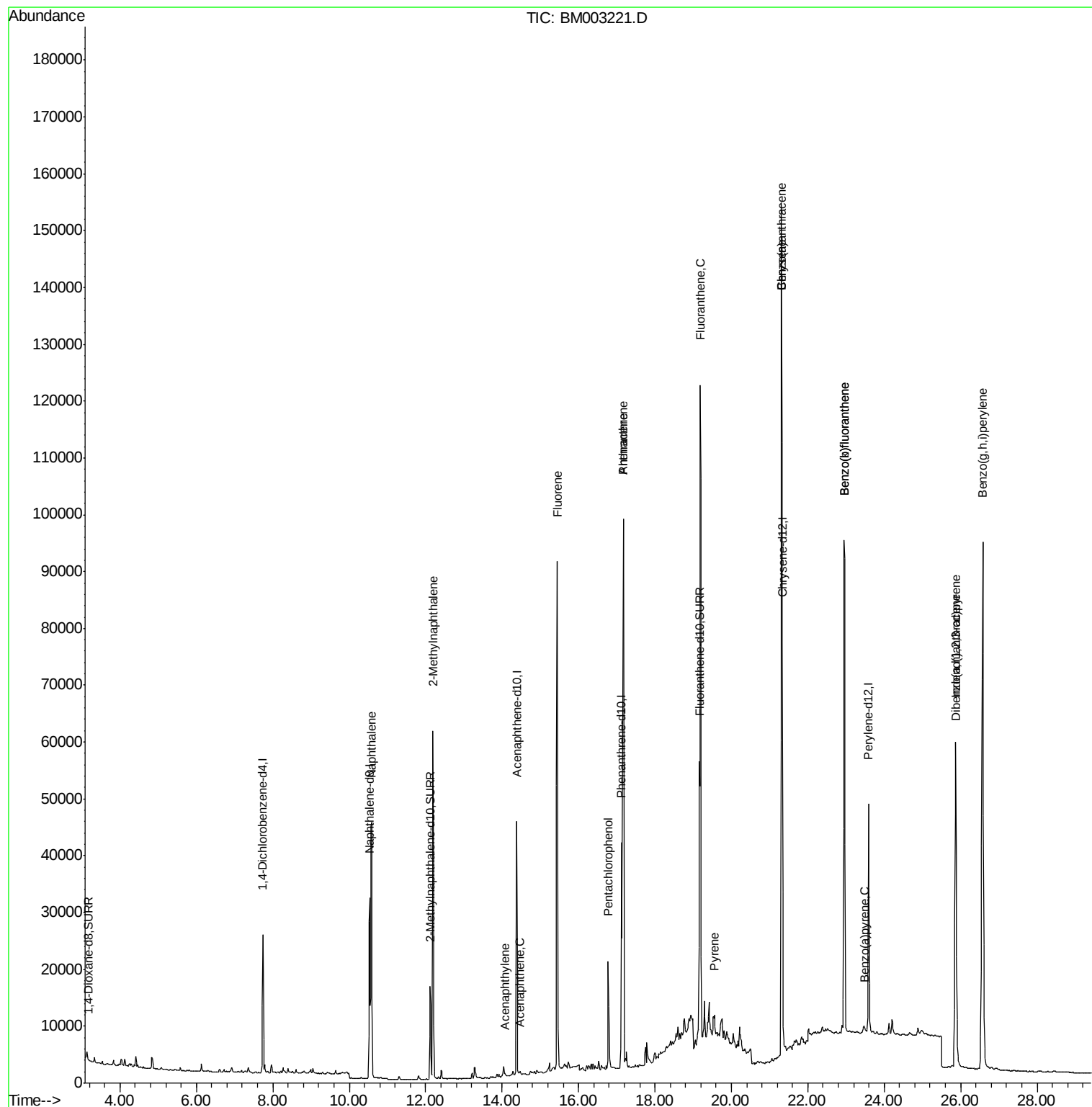
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	69639	0.56	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	43565	0.54	ng/ul#	100
9) Acenaphthylene	14.09	152	218	0.00	ng/ul#	1
10) Acenaphthene	14.47	153	405	0.00	ng/ul#	47
11) Fluorene	15.44	166	69253	0.70	ng/ul	99
13) Pentachlorophenol	16.78	266	15538	1.18	ng/ul	96
14) Phenanthrene	17.17	178	124590	0.77	ng/ul	99
15) Anthracene	17.17	178	124433	0.92	ng/ul	98
17) Fluoranthene	19.19	202	120443	0.67	ng/ul	94
19) Pyrene	19.57	202	4699	0.02	ng/ul#	35
20) Benzo(a)anthracene	21.31	228	129697	0.79	ng/ul	94
21) Chrysene	21.31	228	129697	0.71	ng/ul	97
23) Benzo(b)fluoranthene	22.95	252	121833	0.60	ng/ul	96
24) Benzo(k)fluoranthene	22.95	252	122259	0.64	ng/ul#	92
25) Benzo(a)pyrene	23.48	252	457	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.87	276	111193	0.52	ng/ul	96
27) Dibenzo(a,h)anthracene	25.88	278	3557	0.02	ng/ul#	1
28) Benzo(g,h,i)perylene	26.58	276	192593	1.02	ng/ul	98

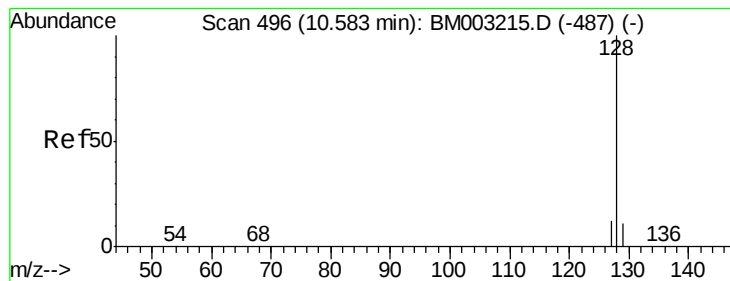
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.56 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

Instrument :

BNA_M

ClientSampleId :

A4J00

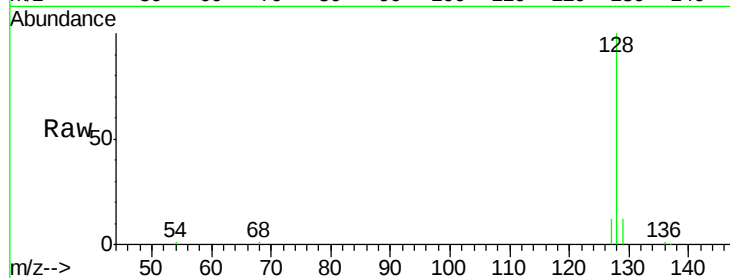
Tgt Ion:128 Resp: 69639

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

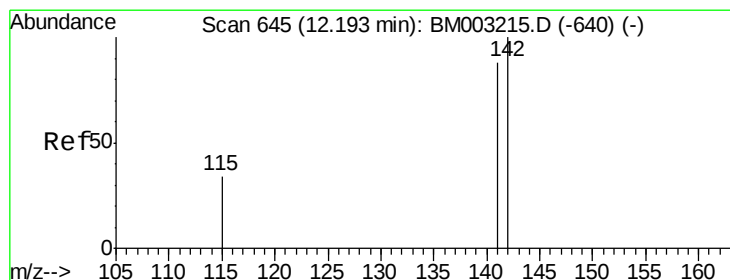
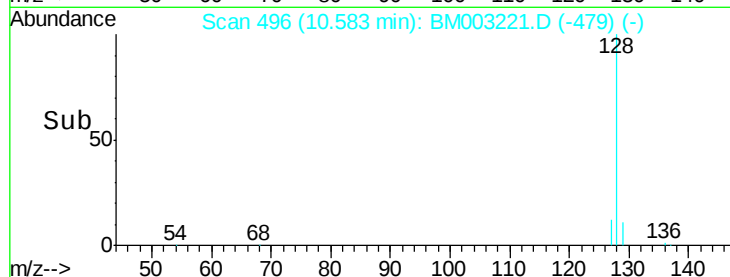
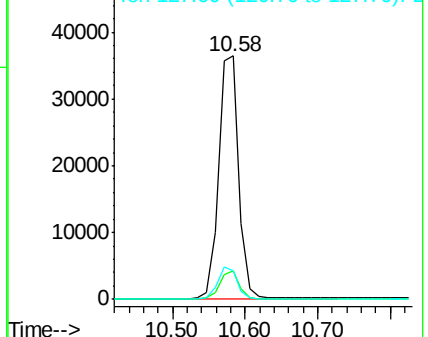
127 11.8 9.6 14.4



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: 0.54 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003221.D

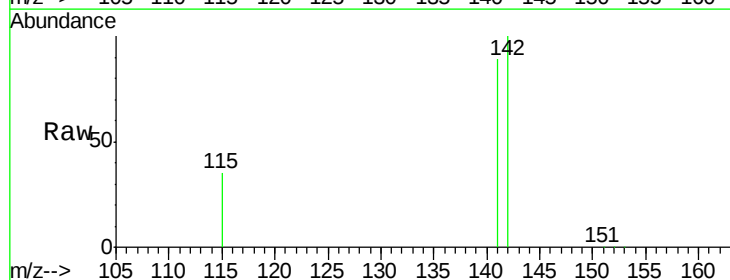
Acq: 20 Nov 2015 15:09

Tgt Ion:142 Resp: 43565

Ion Ratio Lower Upper

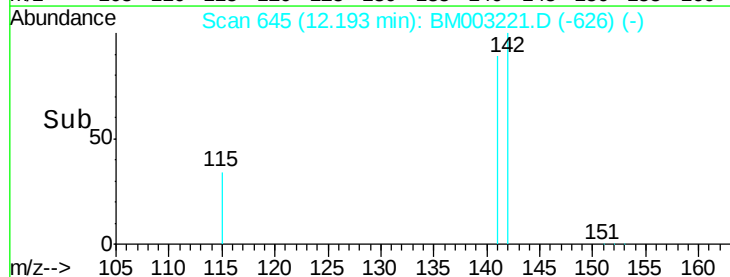
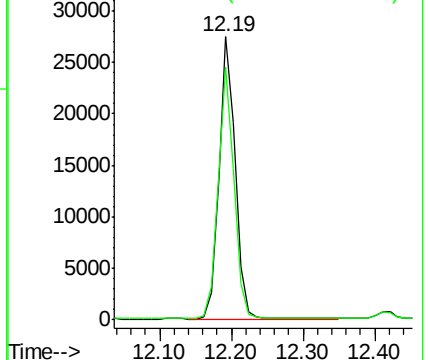
142 100

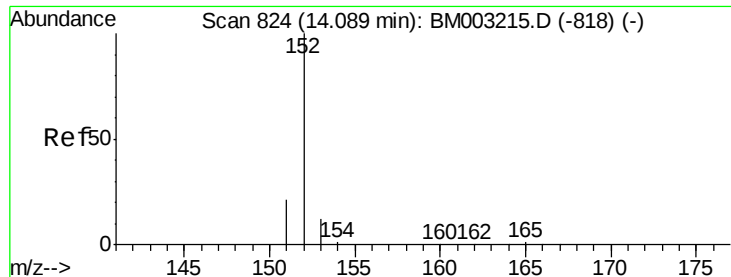
141 88.5 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

Instrument :

BNA_M

ClientSampleId :

A4J00

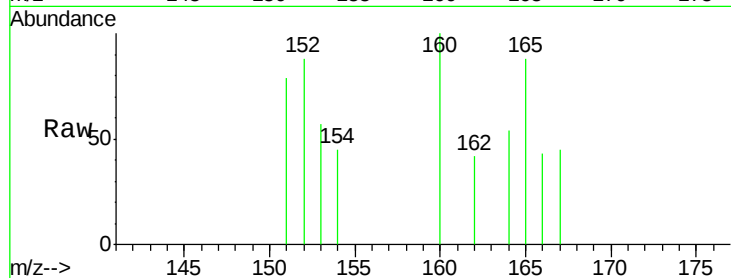
Tgt Ion:152 Resp: 218

Ion Ratio Lower Upper

152 100

151 90.0 17.6 26.4#

153 64.3 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

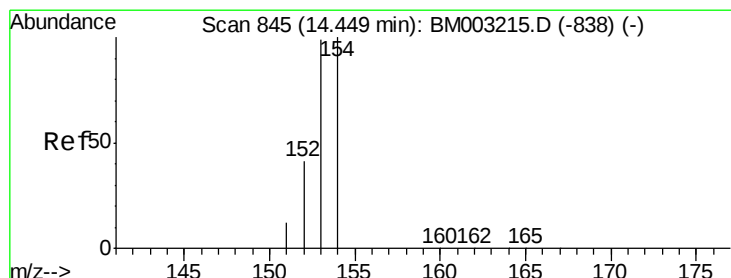
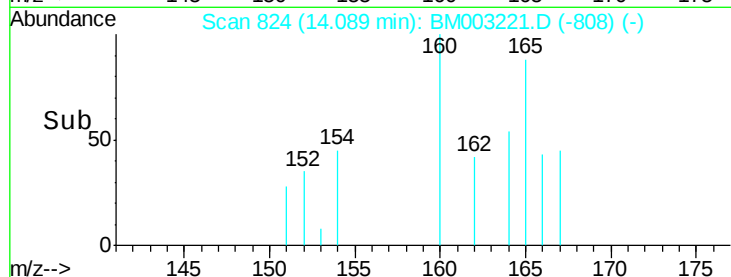
14.09

200

100

0

Time--> 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.47 min Scan# 846

Delta R.T. 0.02 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

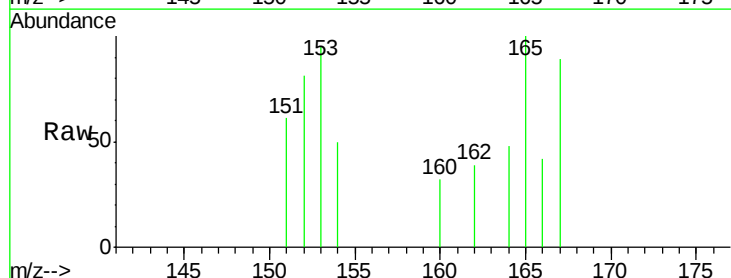
Tgt Ion:153 Resp: 405

Ion Ratio Lower Upper

153 100

152 85.0 33.9 50.9#

154 53.0 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

14.47

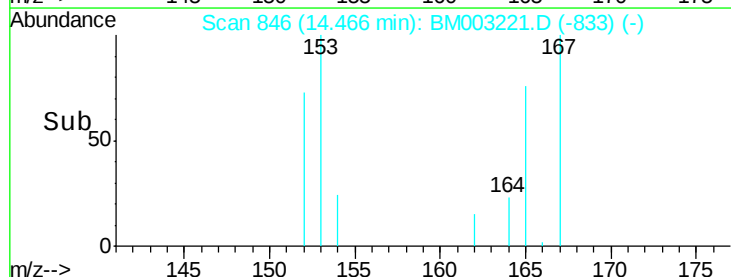
300

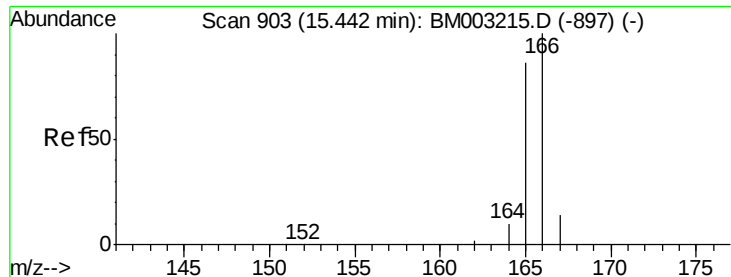
200

100

0

Time--> 14.40 14.50

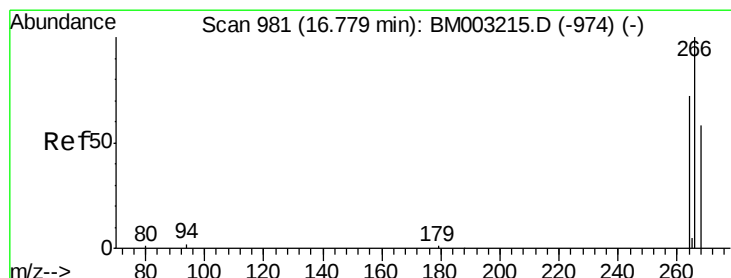
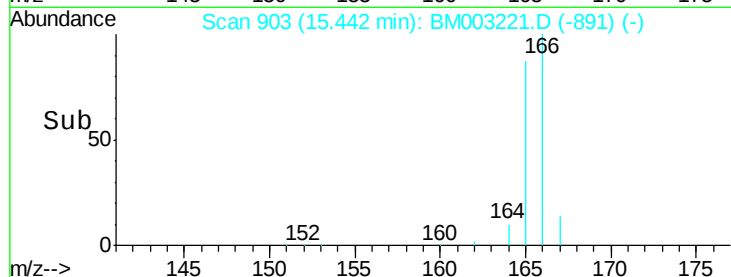
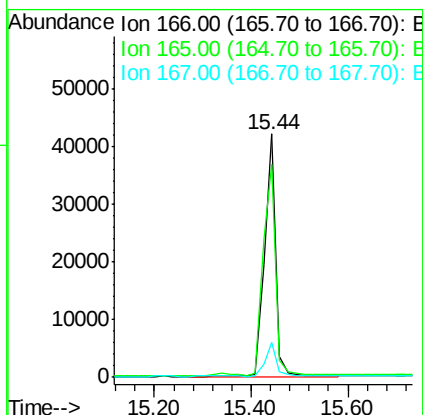
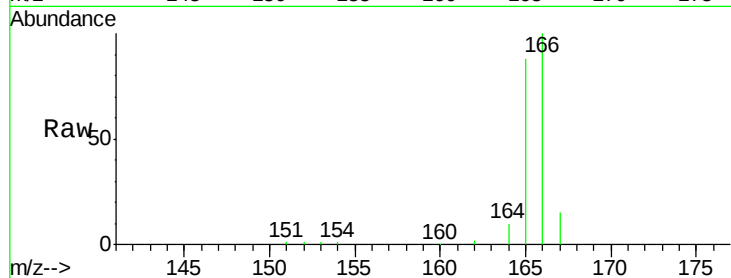




#11
 Fluorene
 Concen: 0.70 ng/ul
 RT: 15.44 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BM003221.D
 Acq: 20 Nov 2015 15:09

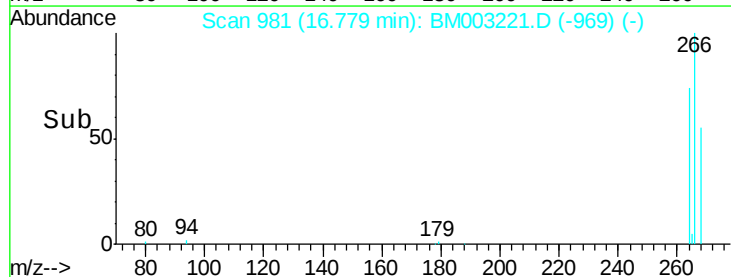
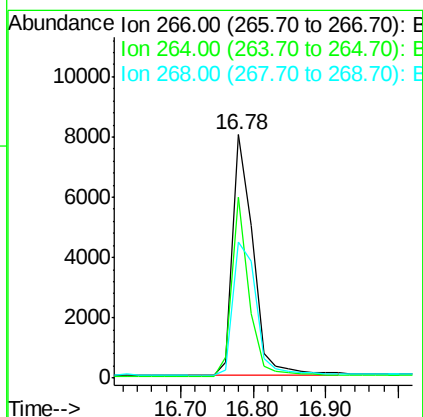
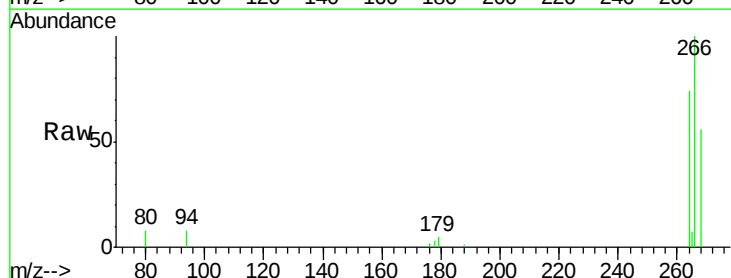
Instrument :
 BNA_M
 ClientSampleId :
 A4J00

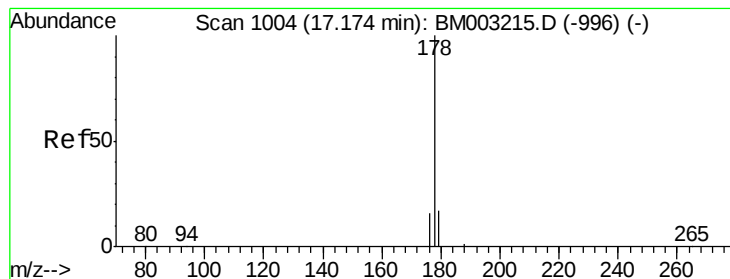
Tgt Ion:166 Resp: 69253
 Ion Ratio Lower Upper
 166 100
 165 87.7 69.6 104.4
 167 14.6 11.9 17.9



#13
 Pentachlorophenol
 Concen: 1.18 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003221.D
 Acq: 20 Nov 2015 15:09

Tgt Ion:266 Resp: 15538
 Ion Ratio Lower Upper
 266 100
 264 63.8 51.8 77.8
 268 63.5 46.8 70.2





#14

Phenanthrene

Concen: 0.77 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

Instrument :

BNA_M

ClientSampleId :

A4J00

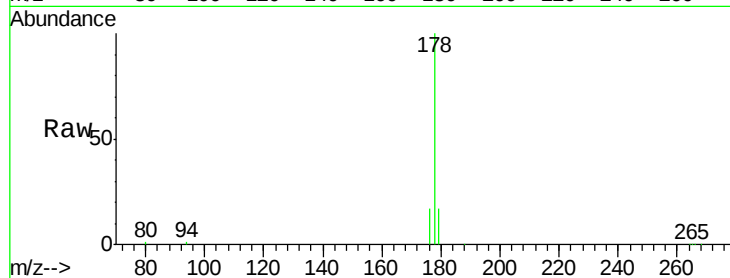
Tgt Ion:178 Resp: 124590

Ion Ratio Lower Upper

178 100

176 16.9 13.0 19.4

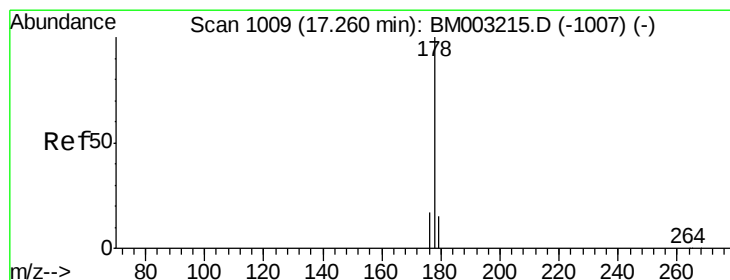
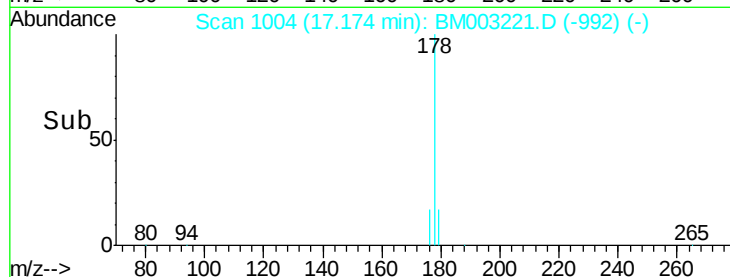
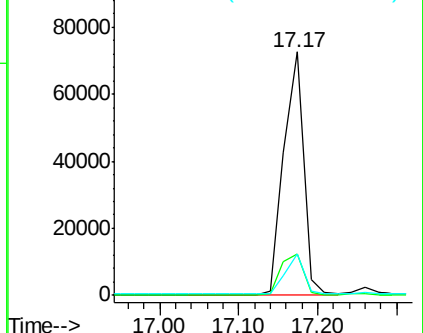
179 17.1 14.2 21.2



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

Anthracene

Concen: 0.92 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.09 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

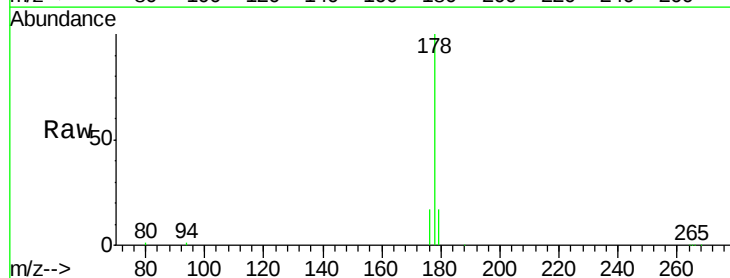
Tgt Ion:178 Resp: 124433

Ion Ratio Lower Upper

178 100

176 16.9 14.0 21.0

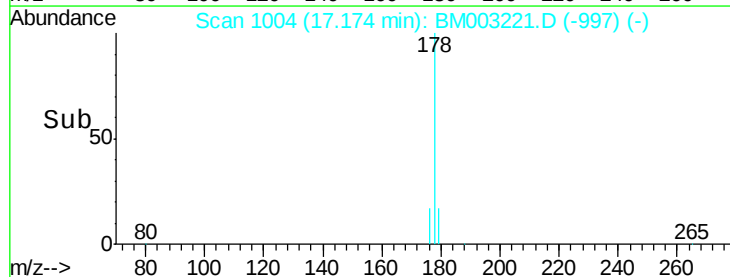
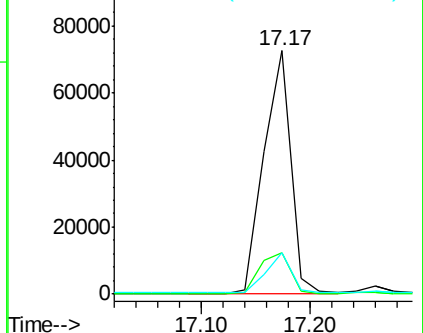
179 17.1 12.9 19.3

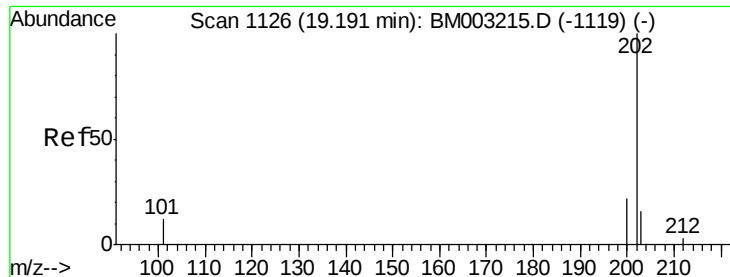


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

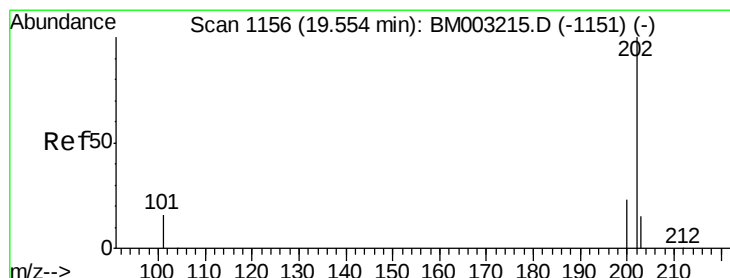
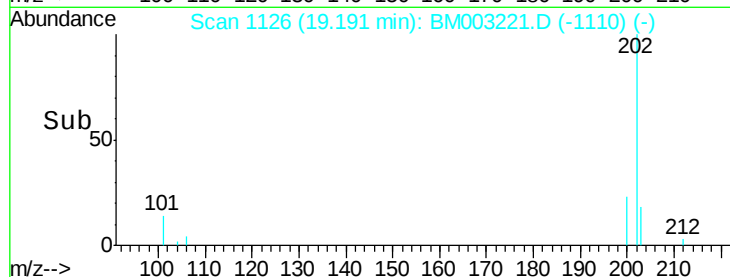
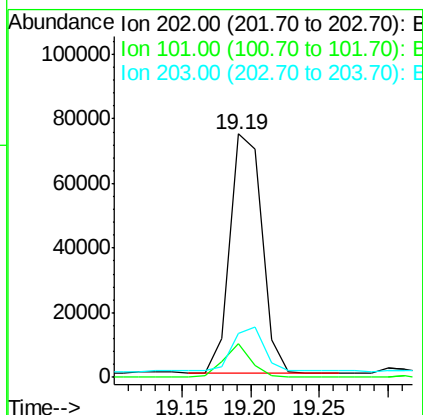
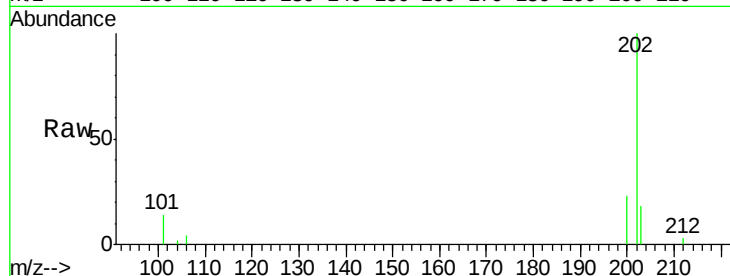




#17
 Fluoranthene
 Concen: 0.67 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: BM003221.D
 Acq: 20 Nov 2015 15:09

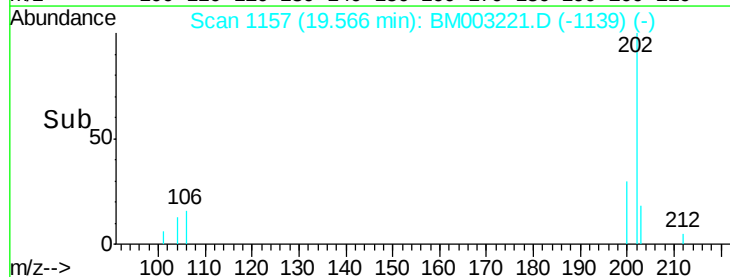
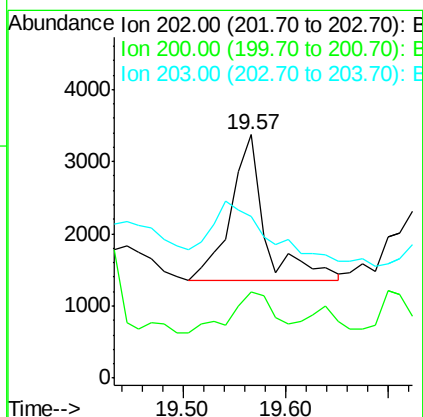
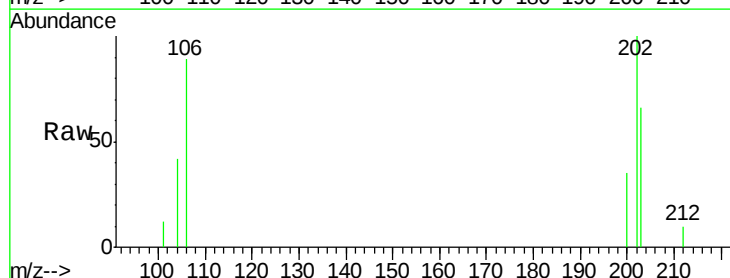
Instrument :
 BNA_M
 ClientSampleId :
 A4J00

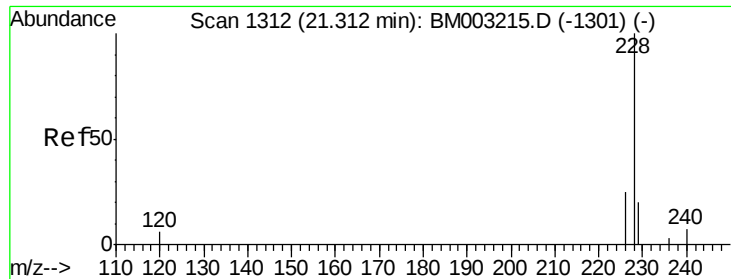
Tgt Ion:202 Resp: 120443
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 29.6
 203 17.8 0.0 36.3



#19
 Pyrene
 Concen: 0.02 ng/ul
 RT: 19.57 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BM003221.D
 Acq: 20 Nov 2015 15:09

Tgt Ion:202 Resp: 4699
 Ion Ratio Lower Upper
 202 100
 200 35.2 17.8 26.8#
 203 66.2 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.79 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

Instrument :

BNA_M

ClientSampleId :

A4J00

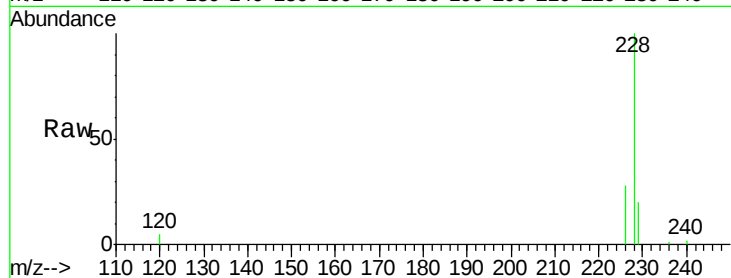
Tgt Ion:228 Resp: 129697

Ion Ratio Lower Upper

228 100

226 27.6 18.8 28.2

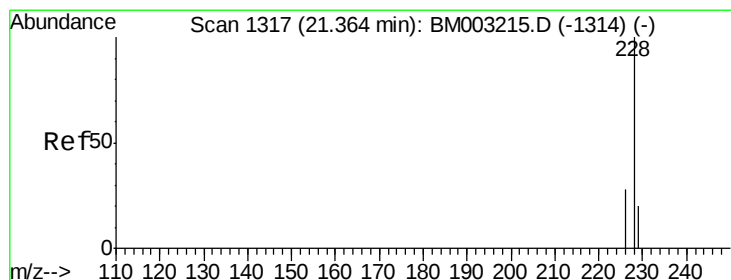
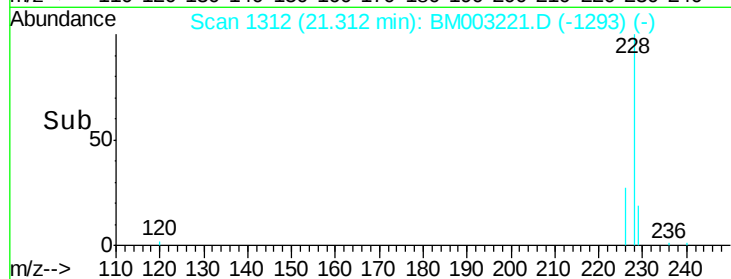
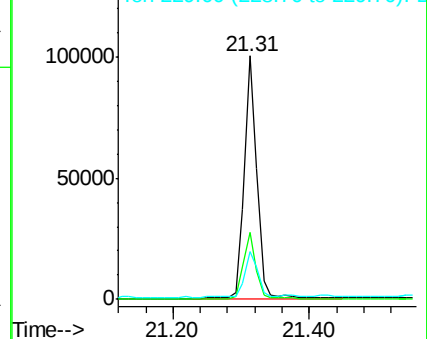
229 19.5 17.1 25.7



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: 0.71 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

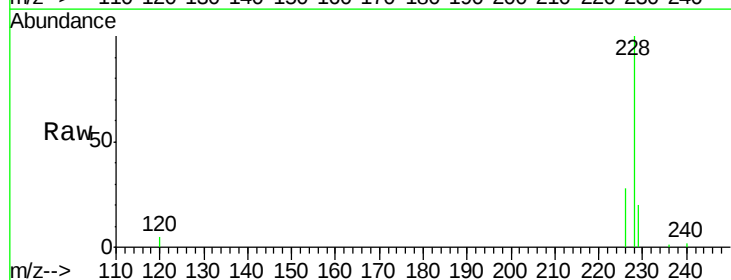
Tgt Ion:228 Resp: 129697

Ion Ratio Lower Upper

228 100

226 27.6 21.2 31.8

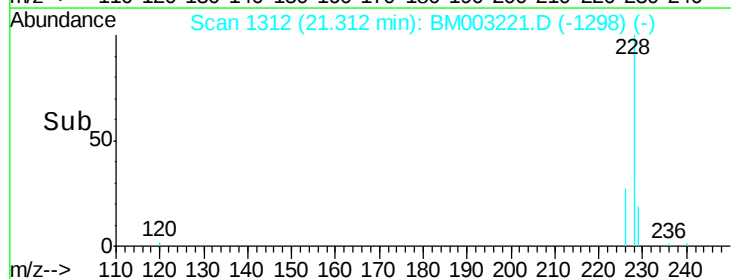
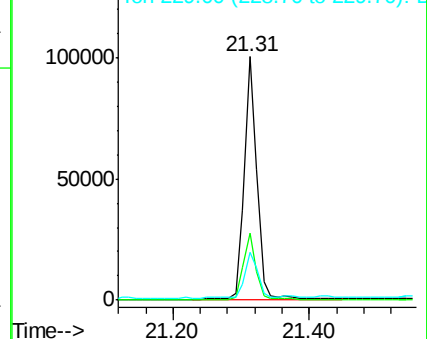
229 19.5 17.0 25.6

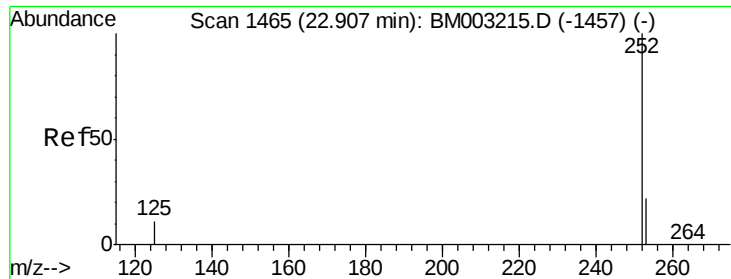


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.60 ng/ul

RT: 22.95 min Scan# 1469

Delta R.T. 0.04 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

Instrument :

BNA_M

ClientSampleId :

A4J00

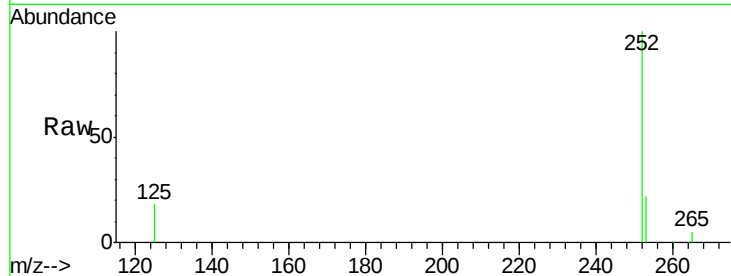
Tgt Ion:252 Resp: 121833

Ion Ratio Lower Upper

252 100

253 21.7 0.0 45.4

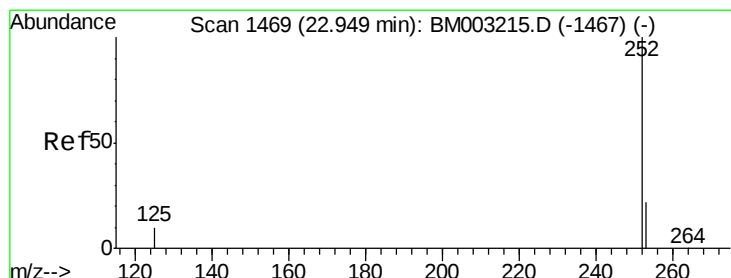
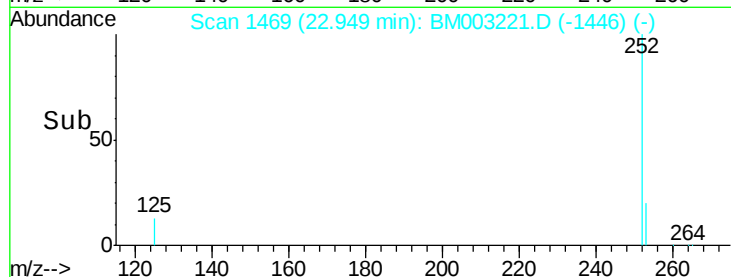
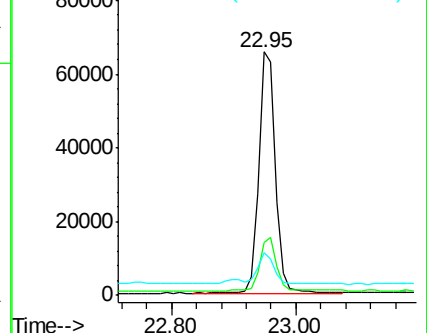
125 17.5 0.0 28.8



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: 0.64 ng/ul

RT: 22.95 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

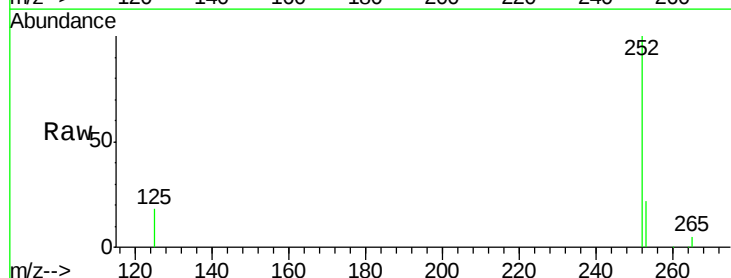
Tgt Ion:252 Resp: 122259

Ion Ratio Lower Upper

252 100

253 21.7 19.8 29.8

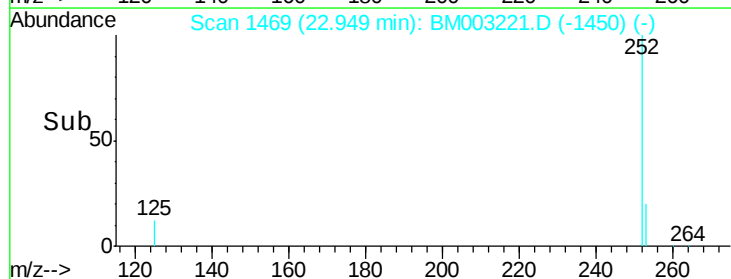
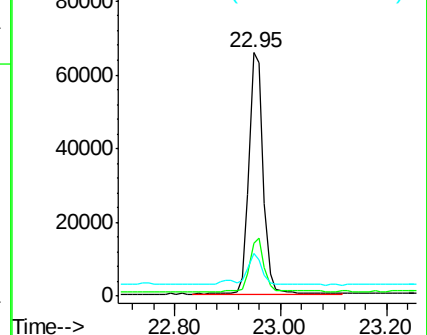
125 17.5 10.4 15.6#

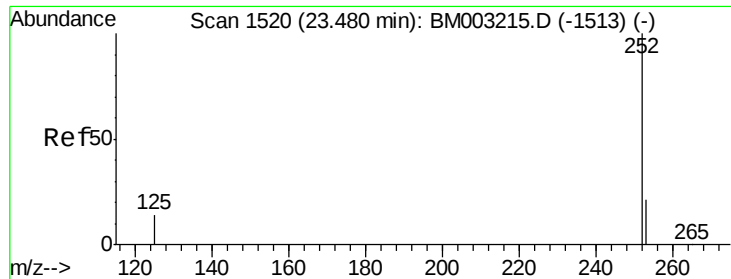


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

Instrument :

BNA_M

ClientSampleId :

A4J00

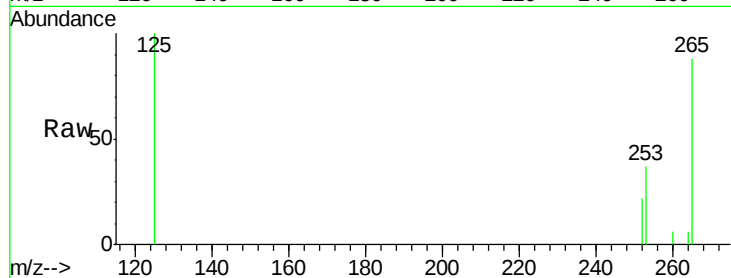
Tgt Ion:252 Resp: 457

Ion Ratio Lower Upper

252 100

253 166.1 19.4 29.2#

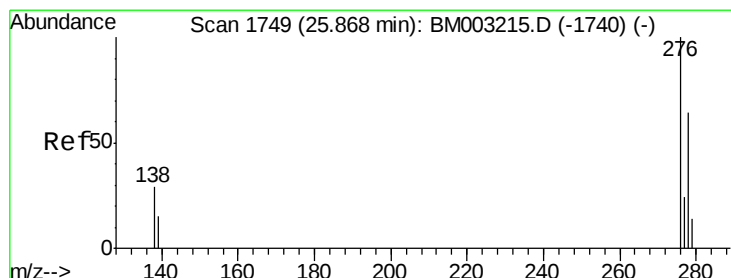
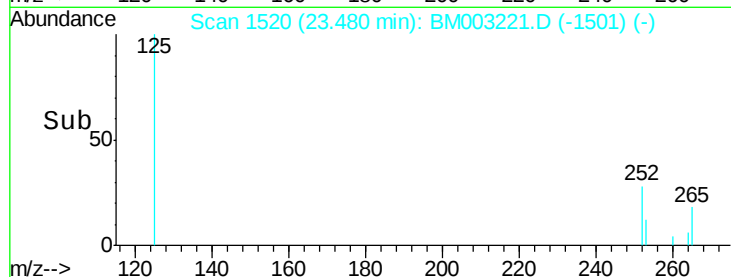
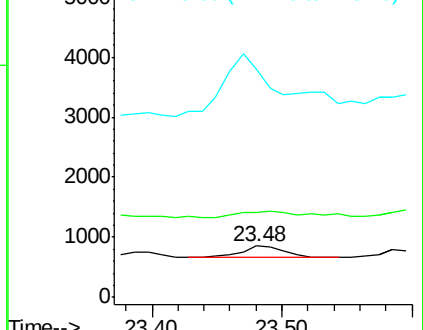
125 447.3 12.7 19.1#



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: 0.52 ng/ul

RT: 25.87 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BM003221.D

Acq: 20 Nov 2015 15:09

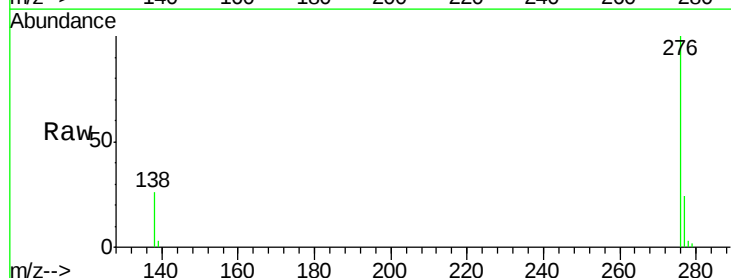
Tgt Ion:276 Resp: 111193

Ion Ratio Lower Upper

276 100

138 23.6 16.3 24.5

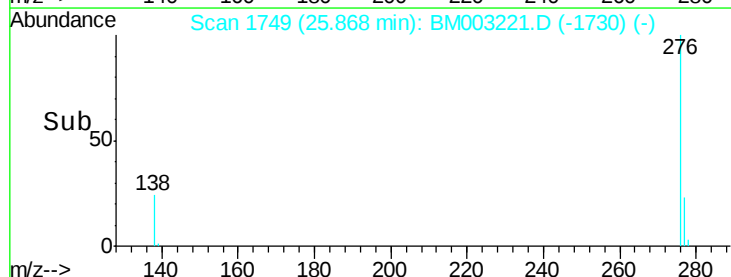
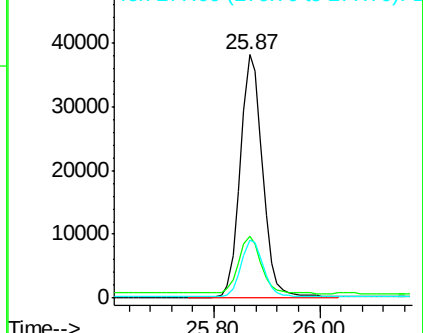
277 23.7 19.8 29.8

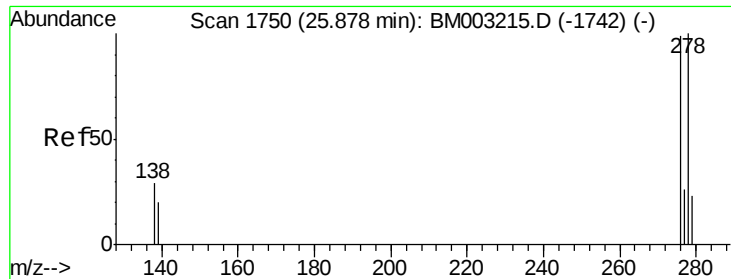


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

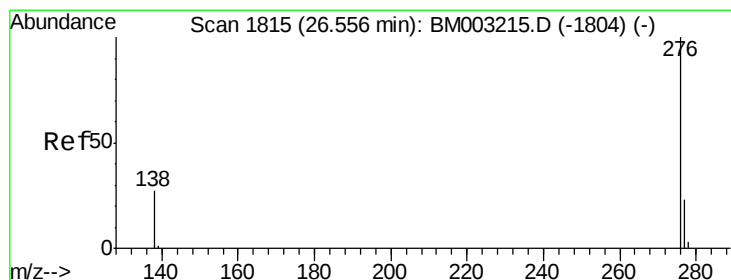
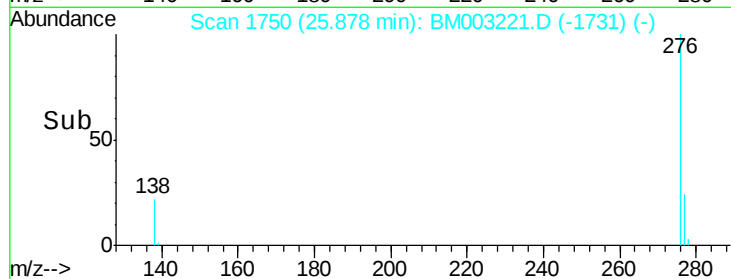
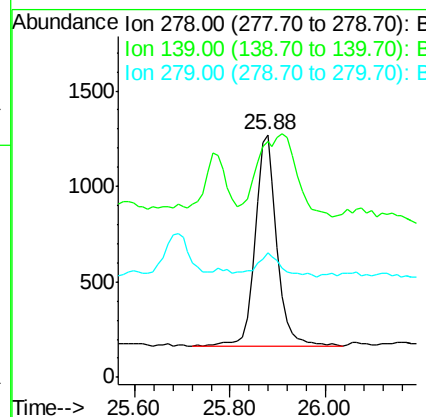
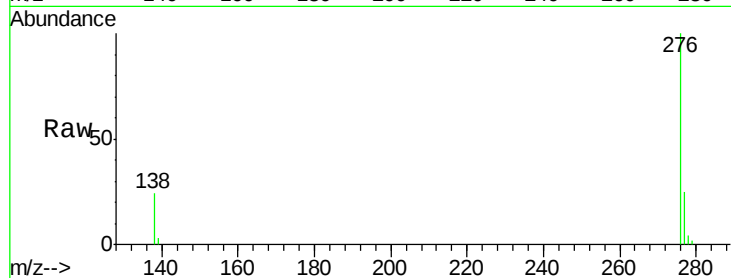




#27
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.88 min Scan# 1750
Delta R.T. -0.00 min
Lab File: BM003221.D
Acq: 20 Nov 2015 15:09

Instrument :
BNA_M
ClientSampleId :
A4J00

Tgt Ion: 278 Resp: 3557
Ion Ratio Lower Upper
278 100
139 97.4 16.4 24.6#
279 51.5 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 1.02 ng/ul
RT: 26.58 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BM003221.D
Acq: 20 Nov 2015 15:09

Tgt Ion: 276 Resp: 192593
Ion Ratio Lower Upper
276 100
277 23.7 18.9 28.3
138 26.6 22.5 33.7

