

Data Path : Z:\HPCHEM1\BNA_M\Data\BM031915\
 Data File : BM000733.D
 Acq On : 19 Mar 2015 18:10
 Operator : TP/IZ
 Sample : G1452-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1K75

Quant Time: Mar 20 11:09:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM031915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:39:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2727	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	9291	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.27	164	5128	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	8963	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	7975	0.40	ng/ul	0.00
20) Perylene-d12	23.41	264	7654	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.00	152	3726	0.35	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	6680	0.38	ng/ul	0.00

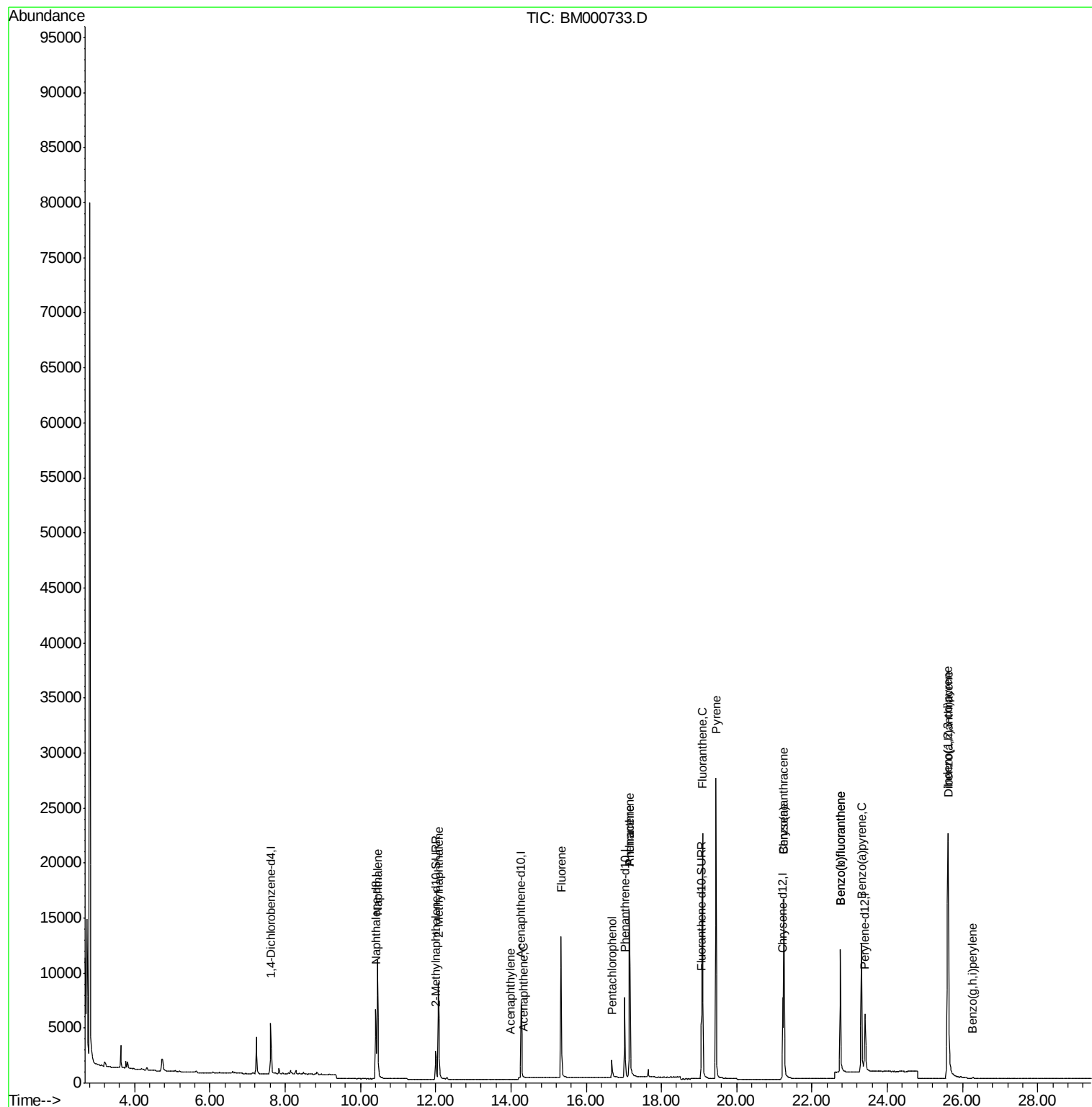
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.46	128	16489	0.75	ng/ul	100
5) 2-Methylnaphthalene	12.08	142	7299	0.52	ng/ul	100
7) Acenaphthylene	14.00	152	69	0.00	ng/ul#	1
8) Acenaphthene	14.33	153	55	0.00	ng/ul#	81
9) Fluorene	15.34	166	11264	0.70	ng/ul	99
11) Pentachlorophenol	16.68	266	1415	1.26	ng/ul	98
12) Phenanthrene	17.15	178	21535	0.90	ng/ul	98
13) Anthracene	17.15	178	21886	1.04	ng/ul	98
15) Fluoranthene	19.09	202	22464	0.85	ng/ul	99
17) Pyrene	19.45	202	25968	0.91	ng/ul	100
18) Benzo(a)anthracene	21.25	228	17305	0.78	ng/ul	97
19) Chrysene	21.25	228	17407	0.66	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	15182	0.58	ng/ul	99
22) Benzo(k)fluoranthene	22.75	252	15182	0.56	ng/ul	99
23) Benzo(a)pyrene	23.31	252	18603	0.78	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.61	276	8434	0.31	ng/ul#	61
25) Dibenzo(a,h)anthracene	25.62	278	35765	1.61	ng/ul	95
26) Benzo(g,h,i)perylene	26.27	276	145	0.01	ng/ul#	4

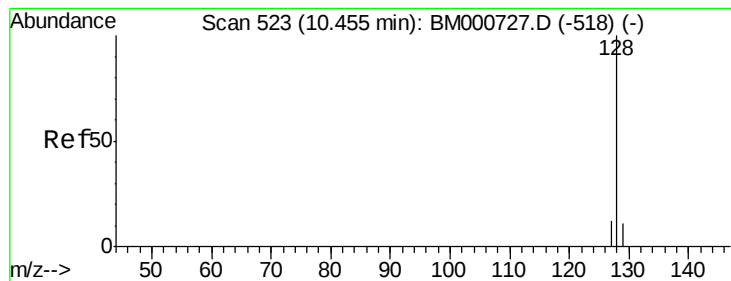
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.75 ng/ul

RT: 10.46 min Scan# 523

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

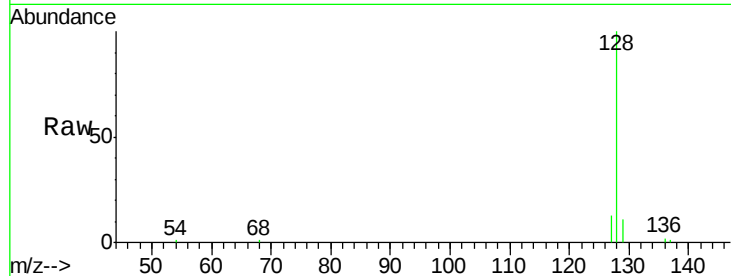
Tgt Ion:128 Resp: 16489

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

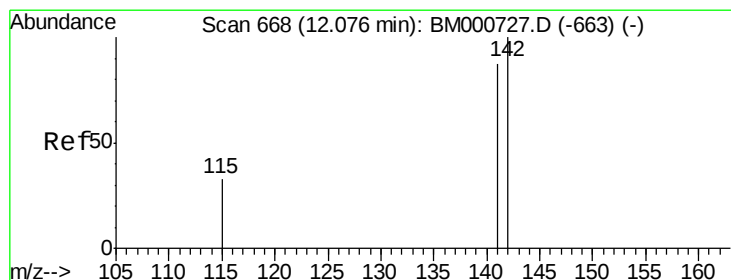
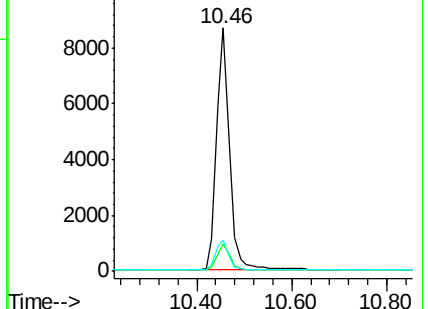
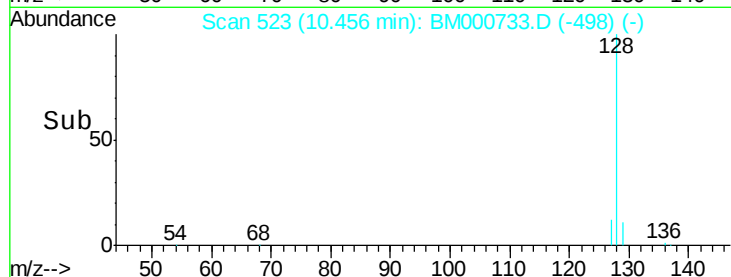
127 12.8 10.2 15.4



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



#5

2-Methylnaphthalene

Concen: 0.52 ng/ul

RT: 12.08 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM000733.D

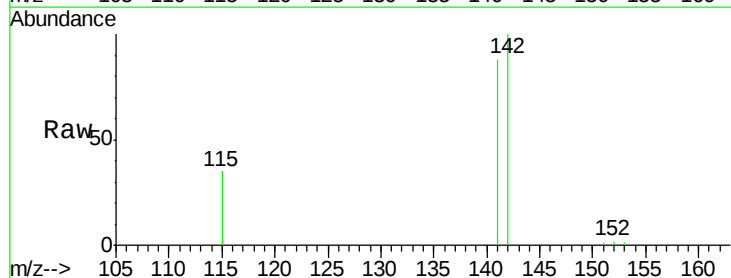
Acq: 19 Mar 2015 18:10

Tgt Ion:142 Resp: 7299

Ion Ratio Lower Upper

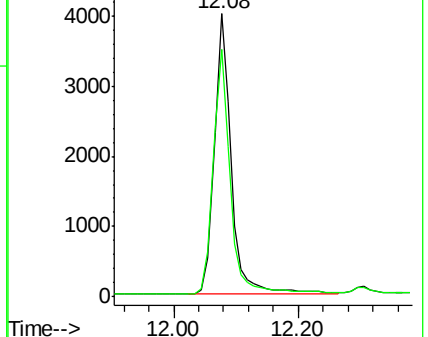
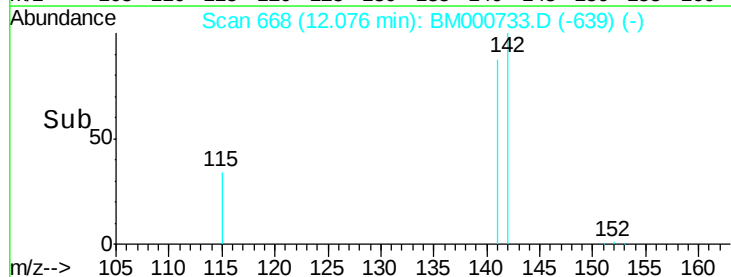
142 100

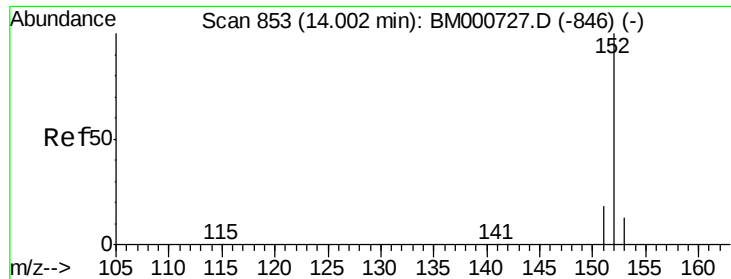
141 88.5 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.00 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

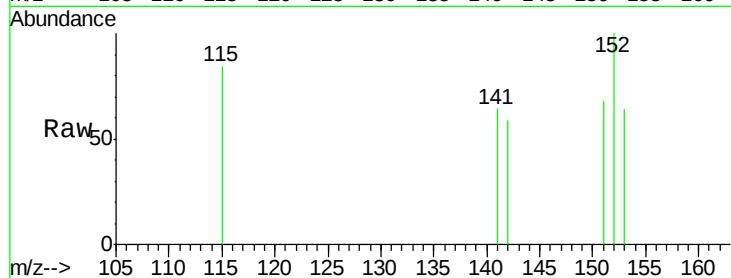
Tgt Ion:152 Resp: 69

Ion Ratio Lower Upper

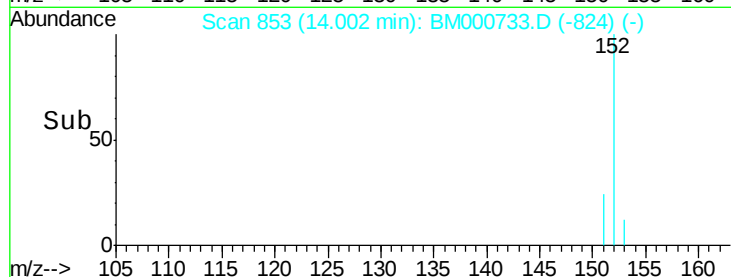
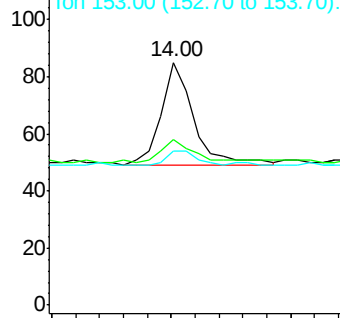
152 100

151 68.2 15.2 22.8#

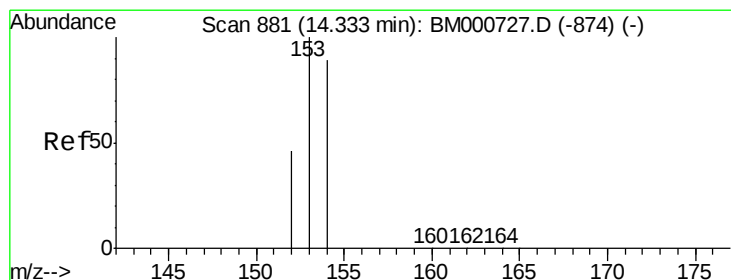
153 63.5 11.2 16.8#



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



Time--> 13.90 14.00 14.10



#8

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.33 min Scan# 881

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

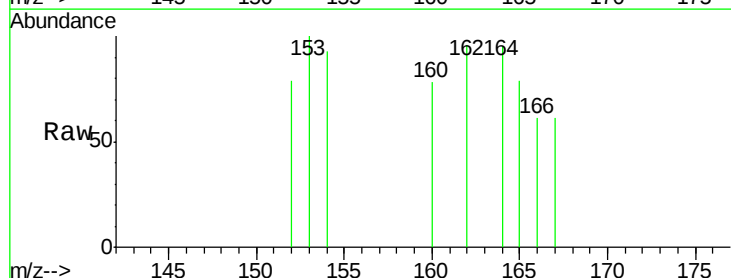
Tgt Ion:153 Resp: 55

Ion Ratio Lower Upper

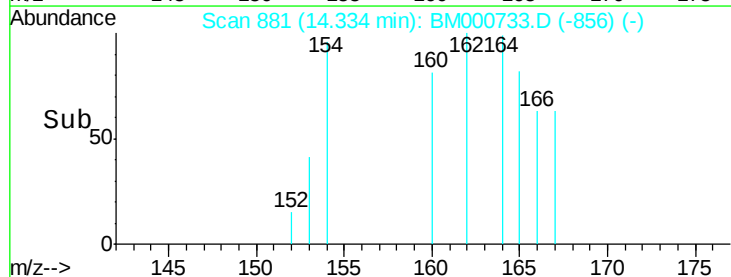
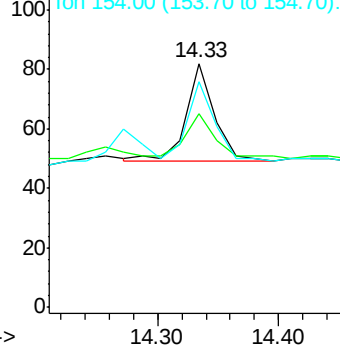
153 100

152 79.3 37.8 56.6#

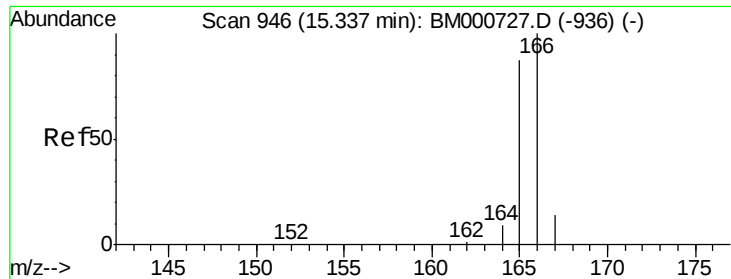
154 92.7 71.0 106.6



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



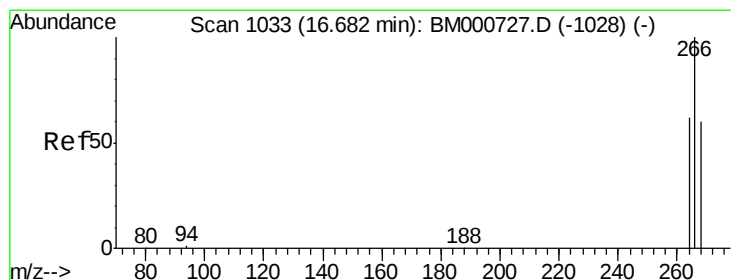
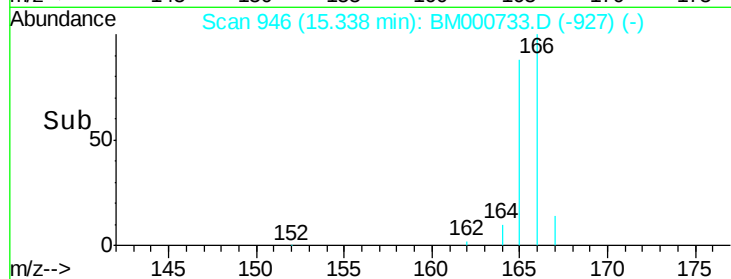
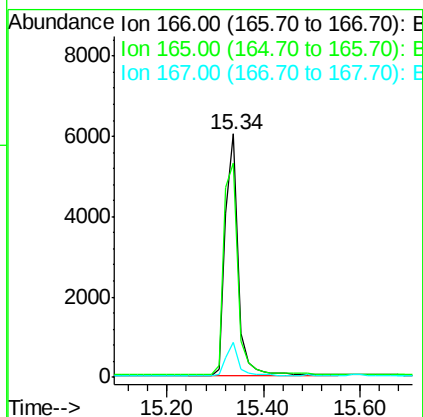
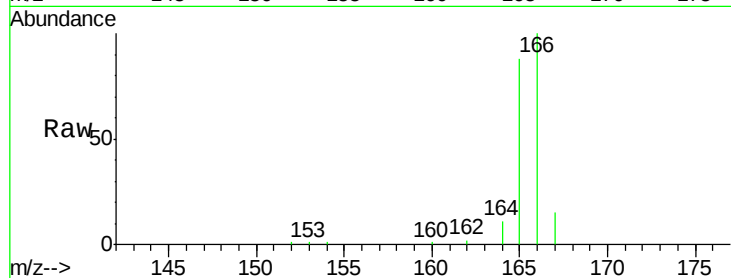
Time--> 14.30 14.40



#9
Fluorene
 Concen: 0.70 ng/ul
 RT: 15.34 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BM000733.D
 Acq: 19 Mar 2015 18:10

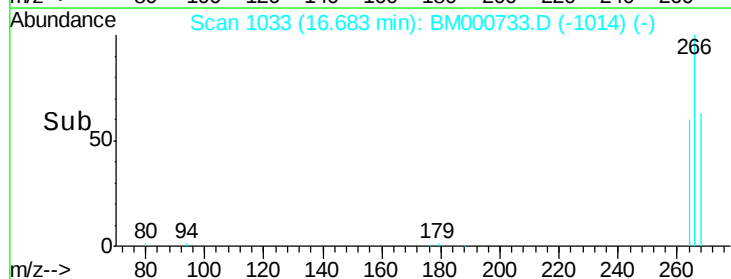
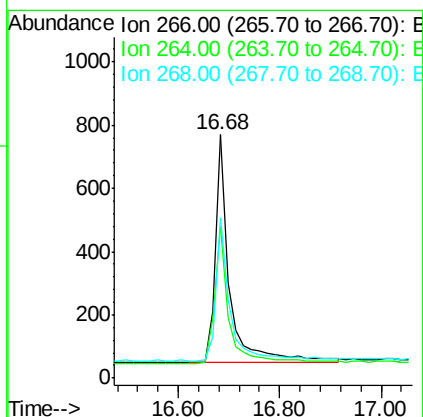
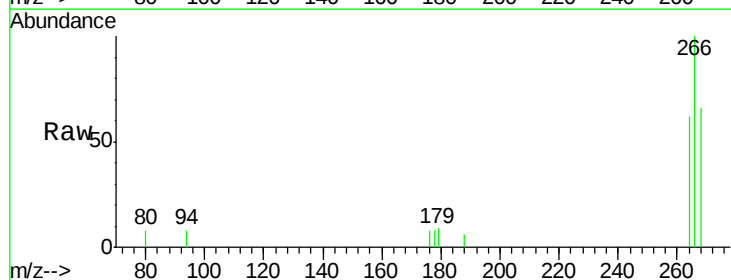
Instrument :
 BNA_M
 ClientSampleId :
 X1K75

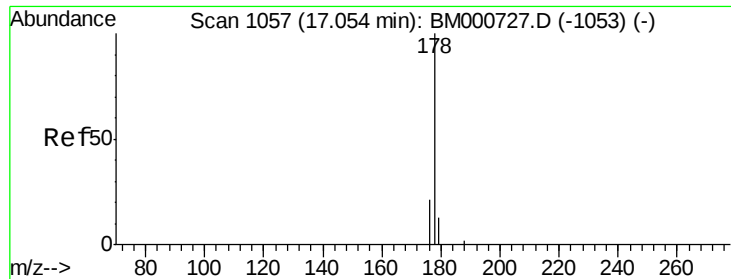
Tgt Ion:166 Resp: 11264
 Ion Ratio Lower Upper
 166 100
 165 87.9 69.8 104.6
 167 14.6 12.5 18.7



#11
Pentachlorophenol
 Concen: 1.26 ng/ul
 RT: 16.68 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM000733.D
 Acq: 19 Mar 2015 18:10

Tgt Ion:266 Resp: 1415
 Ion Ratio Lower Upper
 266 100
 264 61.8 47.8 71.8
 268 64.2 51.7 77.5





#12

Phenanthrene

Concen: 0.90 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.09 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

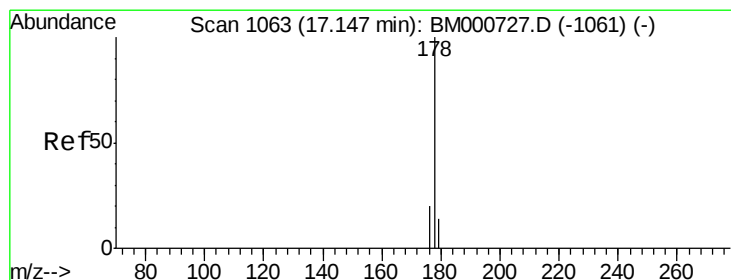
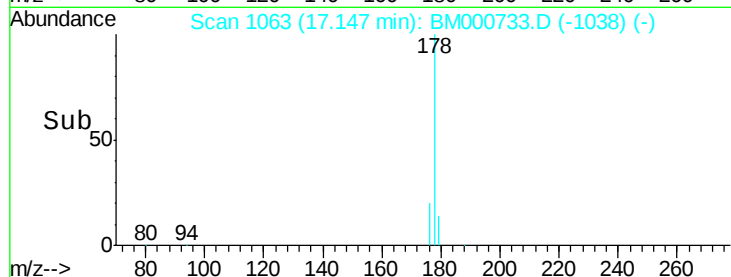
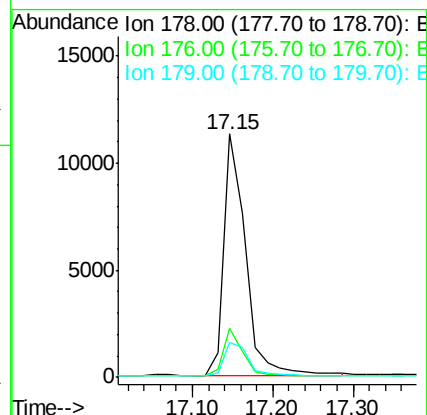
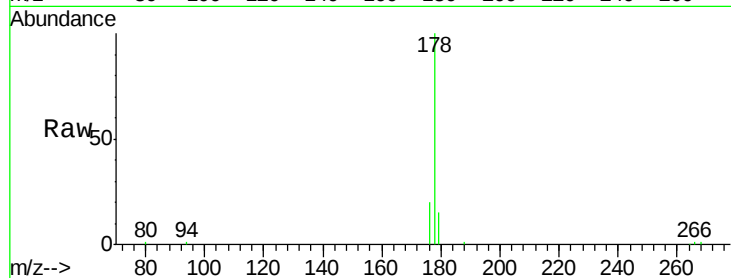
Tgt Ion:178 Resp: 21535

Ion Ratio Lower Upper

178 100

176 20.0 17.4 26.0

179 14.5 11.5 17.3



#13

Anthracene

Concen: 1.04 ng/ul

RT: 17.15 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

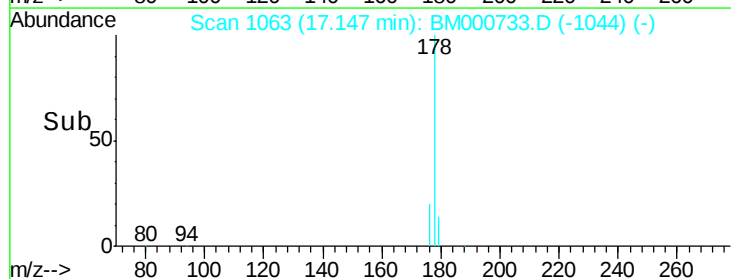
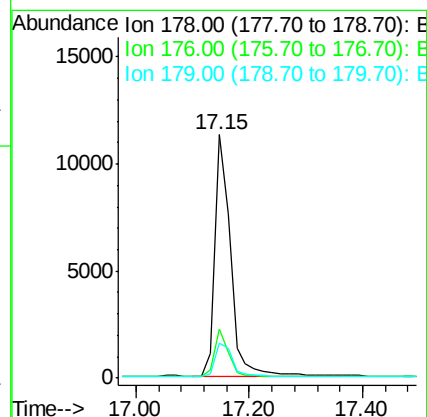
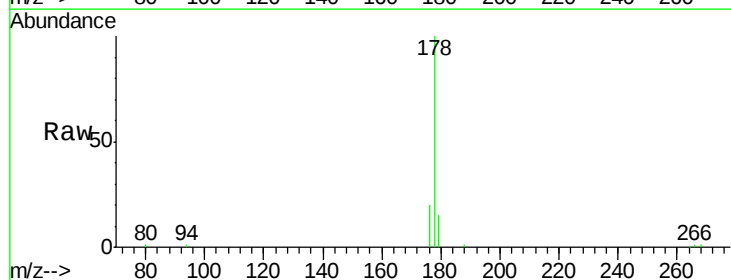
Tgt Ion:178 Resp: 21886

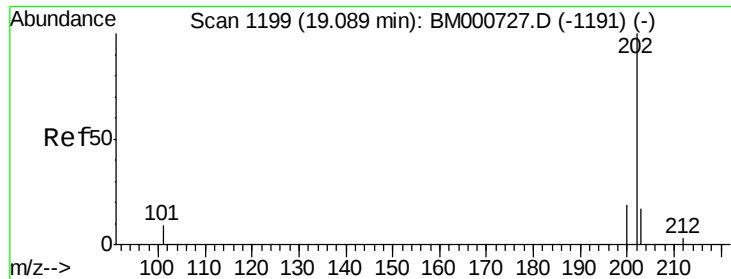
Ion Ratio Lower Upper

178 100

176 20.0 16.7 25.1

179 14.5 12.0 18.0





#15

Fluoranthene

Concen: 0.85 ng/ul

RT: 19.09 min Scan# 1199

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

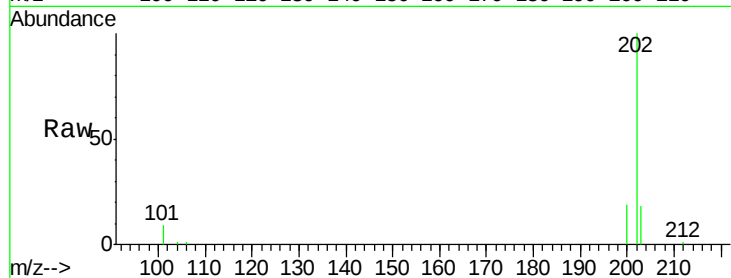
Tgt Ion:202 Resp: 22464

Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.8

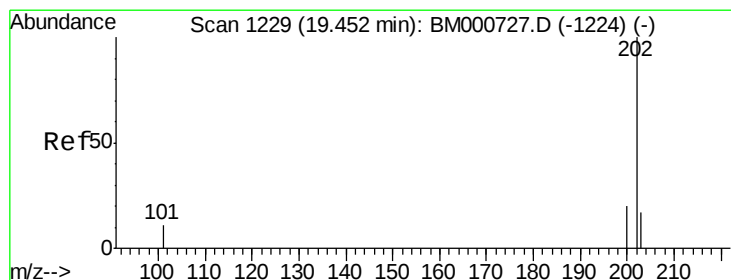
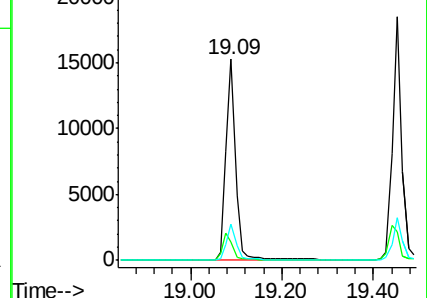
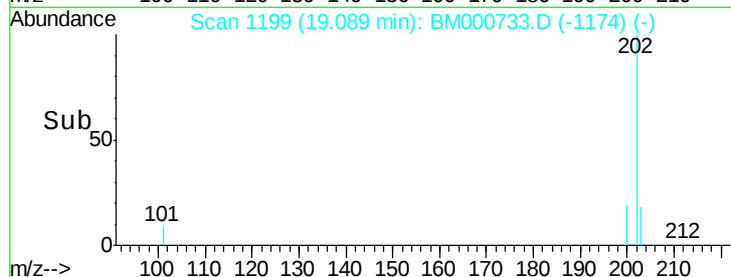
203 18.0 0.0 37.7



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: 0.91 ng/ul

RT: 19.45 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

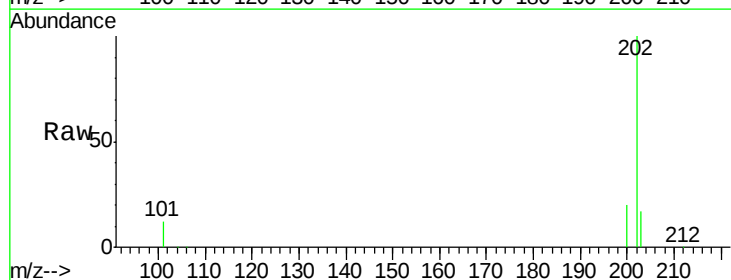
Tgt Ion:202 Resp: 25968

Ion Ratio Lower Upper

202 100

200 20.1 16.3 24.5

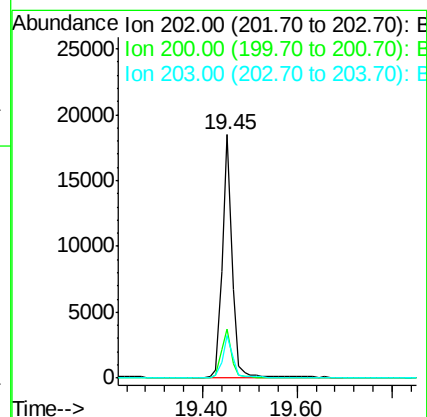
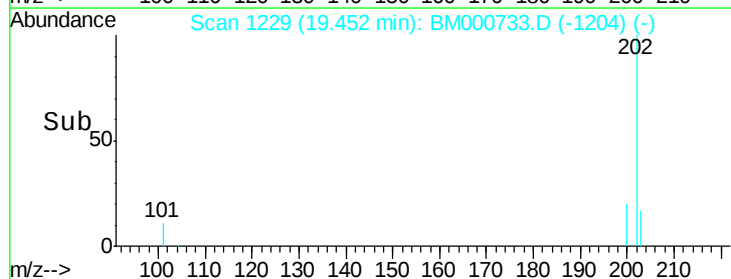
203 17.4 13.9 20.9

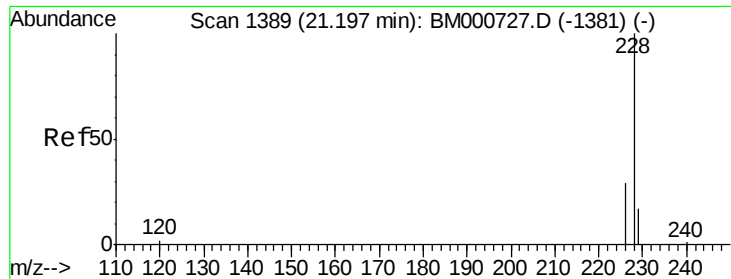


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.78 ng/ul

RT: 21.25 min Scan# 1394

Delta R.T. 0.05 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

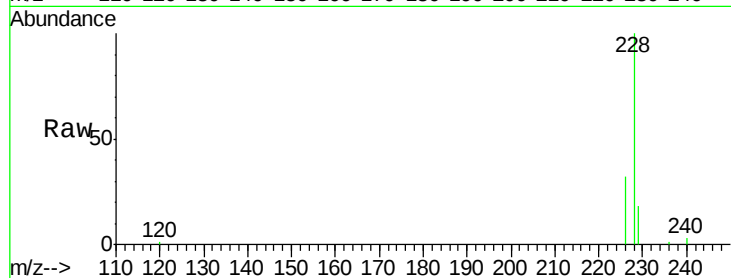
Tgt Ion:228 Resp: 17305

Ion Ratio Lower Upper

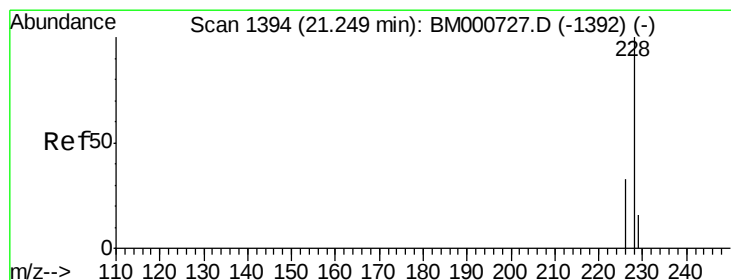
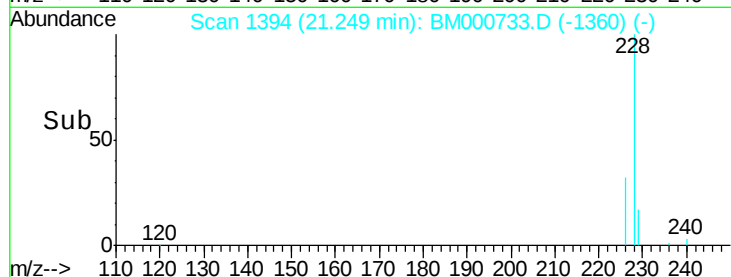
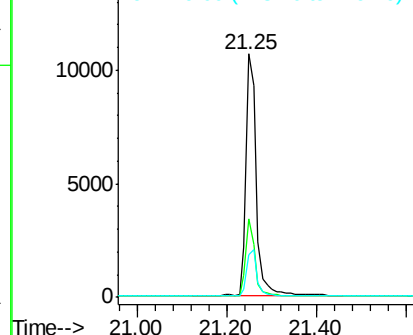
228 100

226 32.3 23.7 35.5

229 17.6 14.2 21.2



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: 0.66 ng/ul

RT: 21.25 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

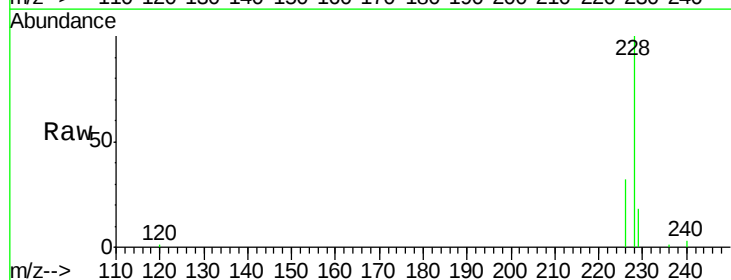
Tgt Ion:228 Resp: 17407

Ion Ratio Lower Upper

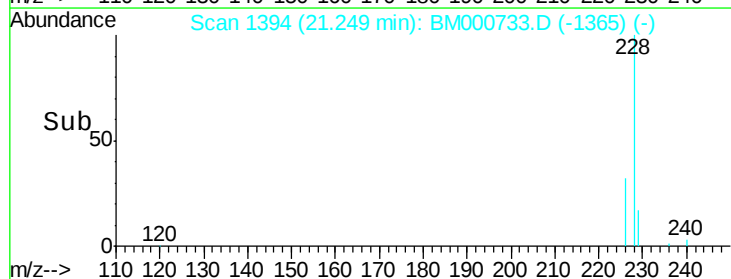
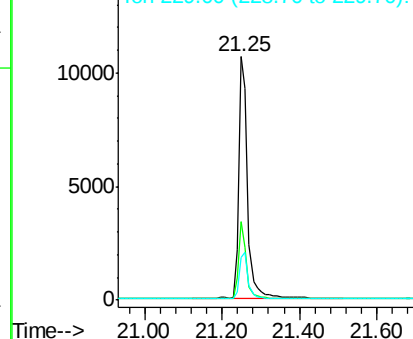
228 100

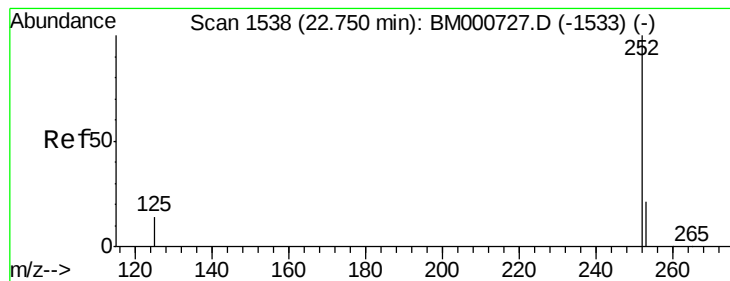
226 32.3 26.1 39.1

229 17.6 13.9 20.9



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: 0.58 ng/ul

RT: 22.75 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

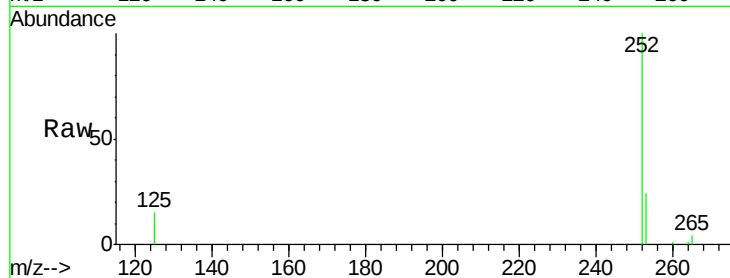
Tgt Ion:252 Resp: 15182

Ion Ratio Lower Upper

252 100

253 24.1 0.0 49.2

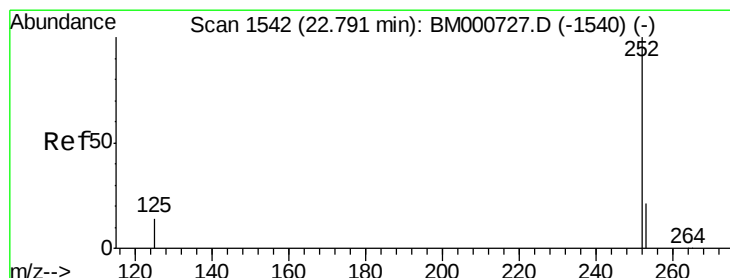
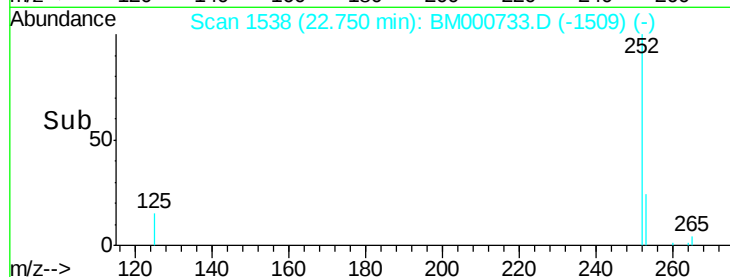
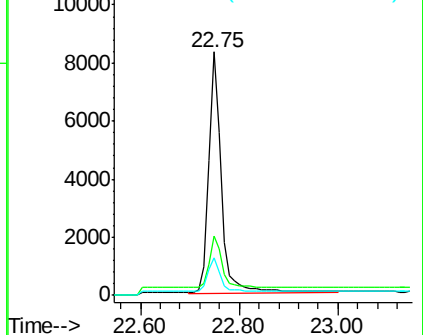
125 15.2 0.0 30.0



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: 0.56 ng/ul

RT: 22.75 min Scan# 1538

Delta R.T. -0.04 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

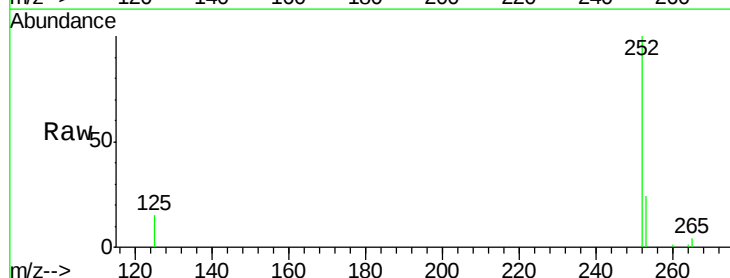
Tgt Ion:252 Resp: 15182

Ion Ratio Lower Upper

252 100

253 24.1 19.8 29.6

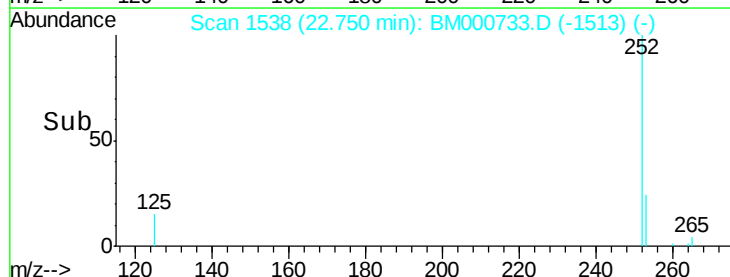
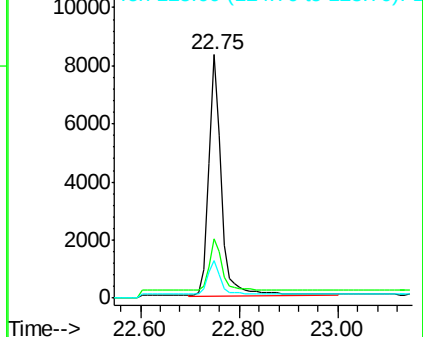
125 15.2 12.2 18.2

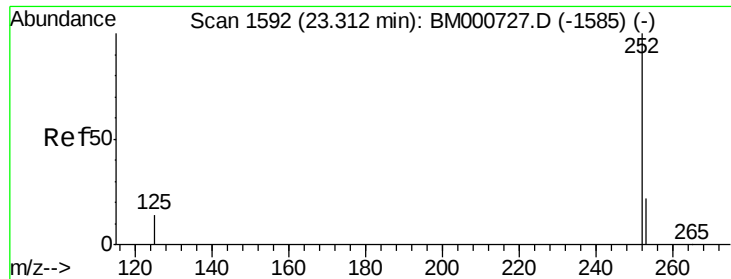


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.78 ng/ul

RT: 23.31 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

Instrument :

BNA_M

ClientSampleId :

X1K75

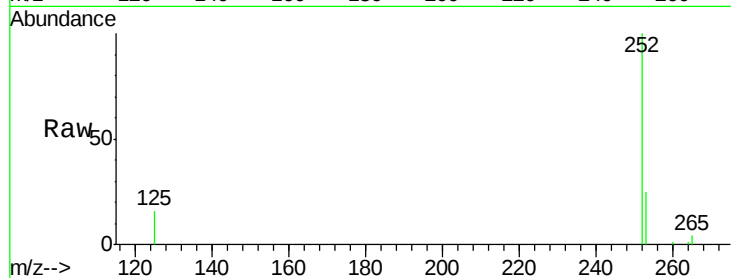
Tgt Ion:252 Resp: 18603

Ion Ratio Lower Upper

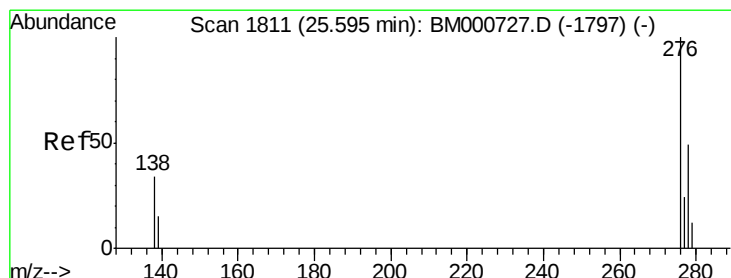
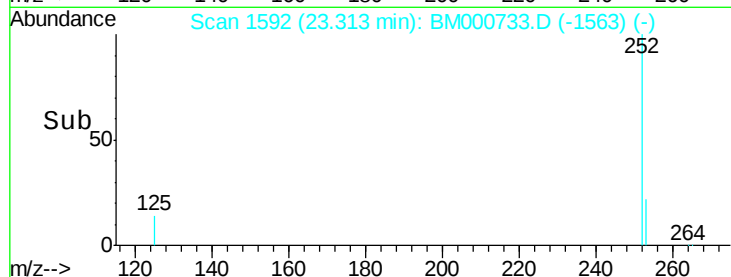
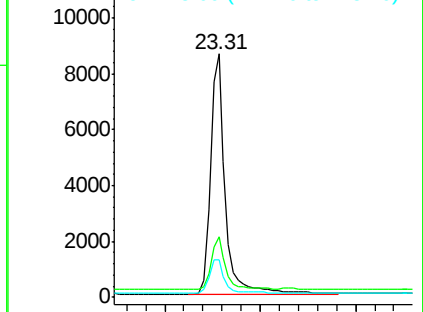
252 100

253 25.1 21.5 32.3

125 15.6 13.0 19.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.31 ng/ul

RT: 25.61 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BM000733.D

Acq: 19 Mar 2015 18:10

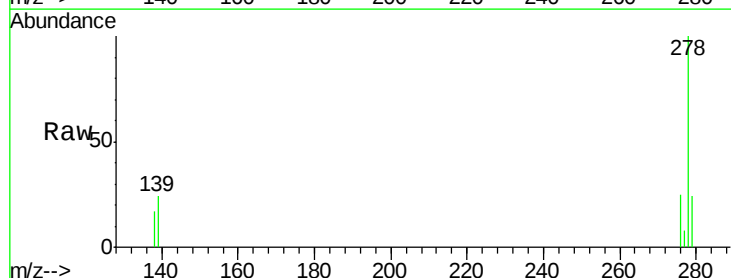
Tgt Ion:276 Resp: 8434

Ion Ratio Lower Upper

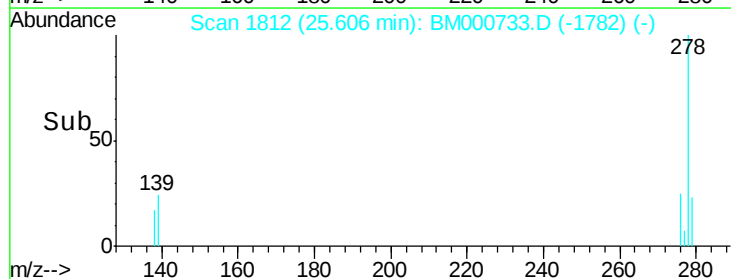
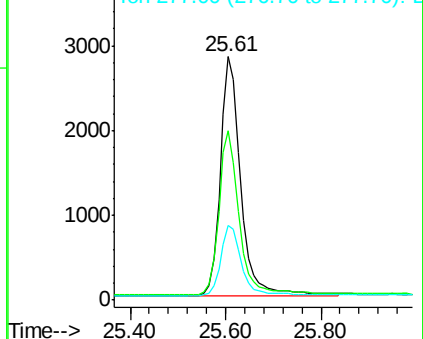
276 100

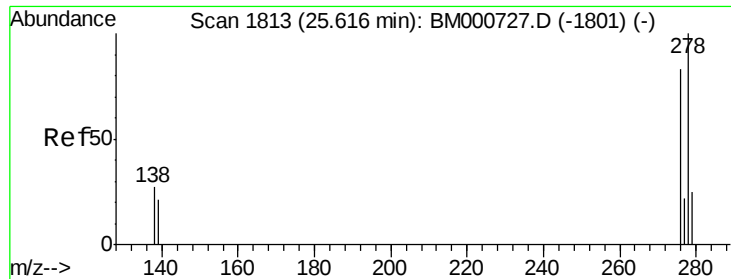
138 69.1 27.8 41.8#

277 30.0 19.9 29.9#



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

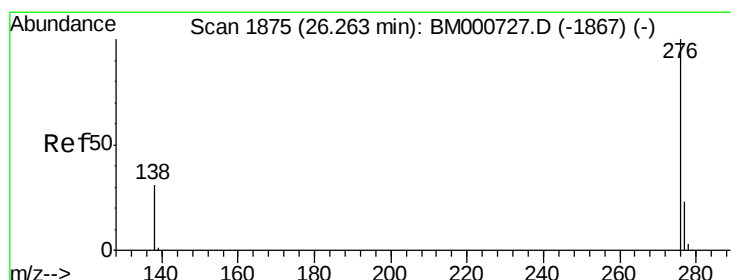
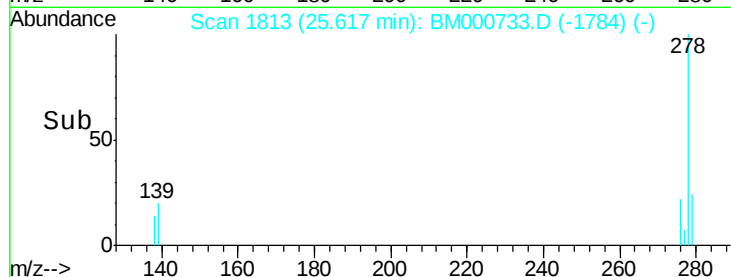
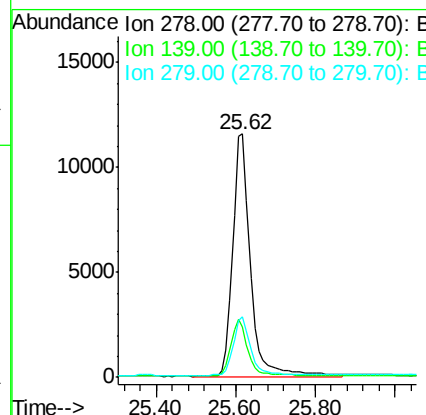
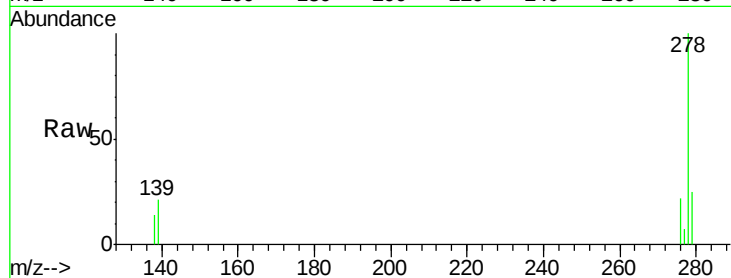




#25
Dibenzo(a,h)anthracene
Concen: 1.61 ng/ul
RT: 25.62 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BM000733.D
Acq: 19 Mar 2015 18:10

Instrument :
BNA_M
ClientSampleId :
X1K75

Tgt Ion: 278 Resp: 35765
Ion Ratio Lower Upper
278 100
139 20.9 18.1 27.1
279 24.8 22.3 33.5



#26
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.27 min Scan# 1876
Delta R.T. 0.01 min
Lab File: BM000733.D
Acq: 19 Mar 2015 18:10

Tgt Ion: 276 Resp: 145
Ion Ratio Lower Upper
276 100
277 69.7 19.6 29.4#
138 87.6 25.6 38.4#

