

Data Path : S:\HPCHEM1\BNA_M\Data\BM061115\
 Data File : BM001646.D
 Acq On : 11 Jun 2015 14:39
 Operator : TP/IZ
 Sample : G2414-08DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1T62DL

Quant Time: Jun 11 15:34:42 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM01.2-EPA-SIM-BM061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 07:52:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1817	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	6523	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	2955	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.09	188	5674	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	4254	0.40	ng/ul	0.01
22) Perylene-d12	23.52	264	3747	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.15	96	11	0.00	ng/uL	0.05
6) 2-Methylnaphthalene-d10	12.08	152	414	0.05	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	766	0.07	ng/ul	0.00

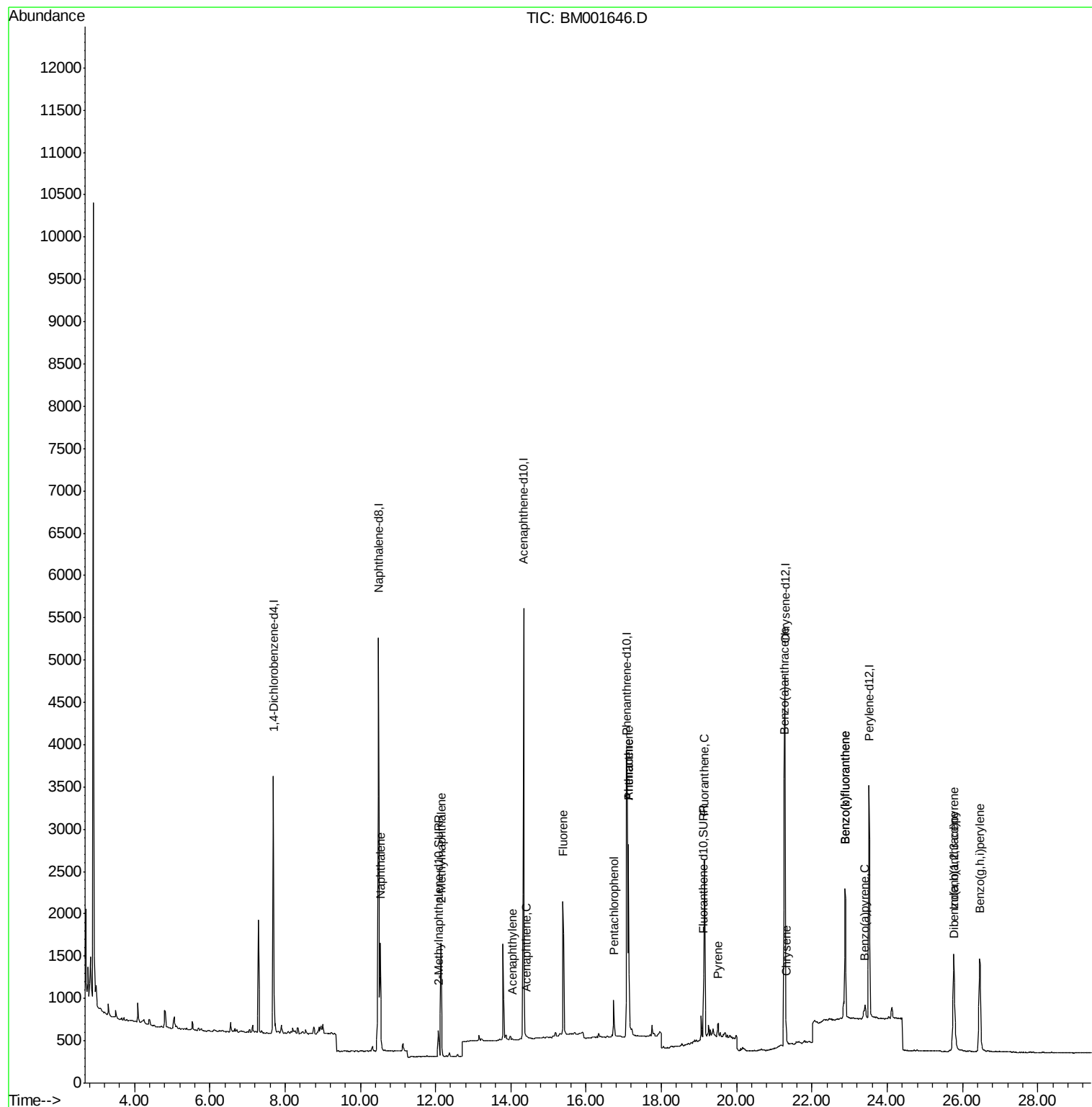
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.53	128	1748	0.10	ng/ul#	92
7) 2-Methylnaphthalene	12.15	142	1058	0.10	ng/ul	99
9) Acenaphthylene	14.05	152	12	0.00	ng/ul#	1
10) Acenaphthene	14.41	153	12	0.00	ng/ul#	64
11) Fluorene	15.38	166	1513	0.13	ng/ul#	96
13) Pentachlorophenol	16.74	266	365	0.32	ng/ul	98
14) Phenanthrene	17.12	178	2469	0.15	ng/ul	96
15) Anthracene	17.12	178	2469	0.16	ng/ul	96
17) Fluoranthene	19.14	202	2276	0.13	ng/ul	87
19) Pyrene	19.52	202	208	0.01	ng/ul#	26
20) Benzo(a)anthracene	21.26	228	2267	0.17	ng/ul#	95
21) Chrysene	21.32	228	263	0.02	ng/ul#	62
23) Benzo(b)fluoranthene	22.88	252	2495	0.17	ng/ul	82
24) Benzo(k)fluoranthene	22.88	252	2509	0.17	ng/ul#	82
25) Benzo(a)pyrene	23.41	252	259	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.77	276	2129	0.14	ng/ul	96
27) Dibenzo(a,h)anthracene	25.79	278	580	0.05	ng/ul#	47
28) Benzo(g,h,i)perylene	26.45	276	2269	0.16	ng/ul#	89

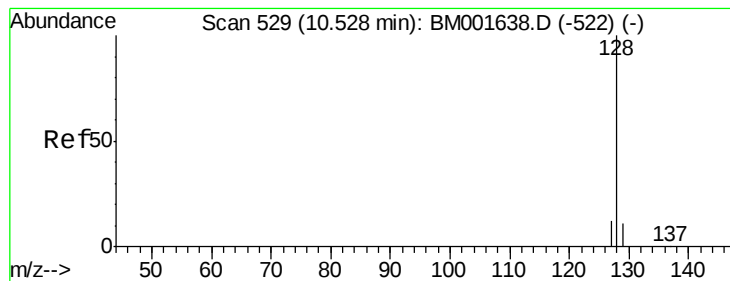
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.10 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

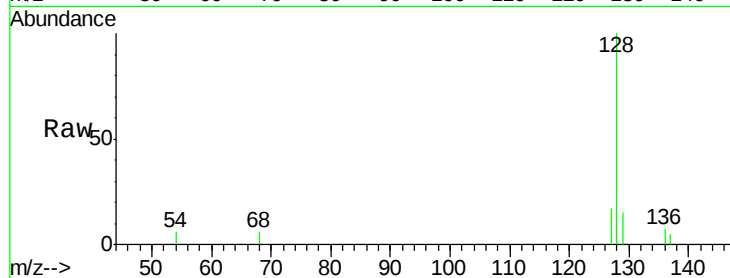
Tgt Ion:128 Resp: 1748

Ion Ratio Lower Upper

128 100

129 15.3 9.8 14.8#

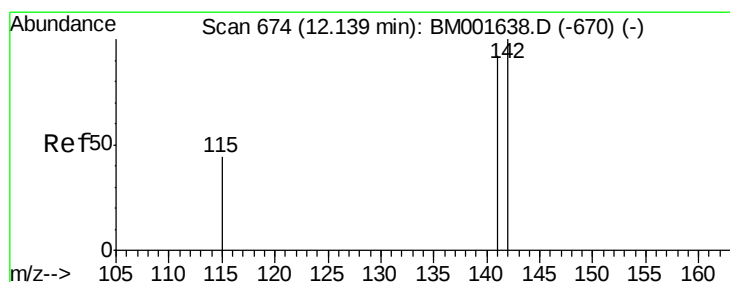
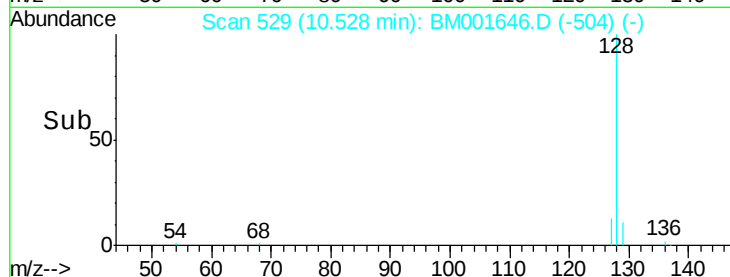
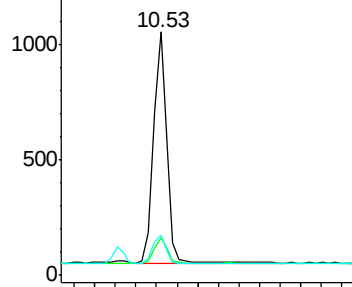
127 16.7 10.7 16.1#



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: 0.10 ng/ul

RT: 12.15 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM001646.D

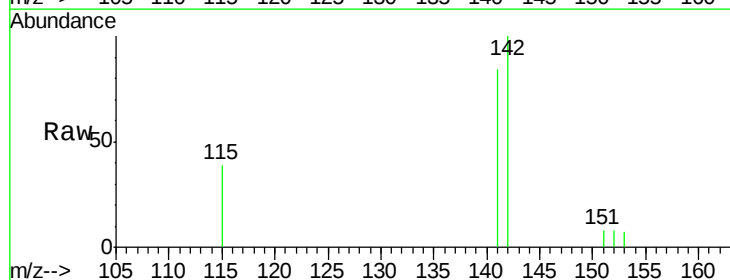
Acq: 11 Jun 2015 14:39

Tgt Ion:142 Resp: 1058

Ion Ratio Lower Upper

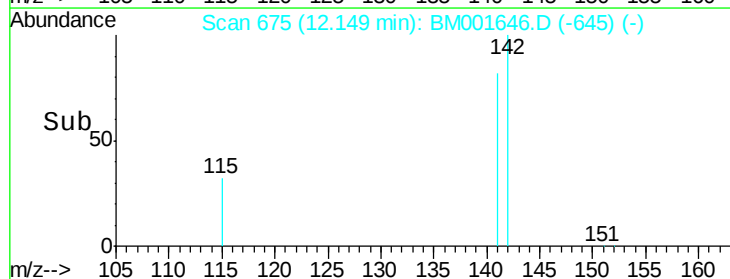
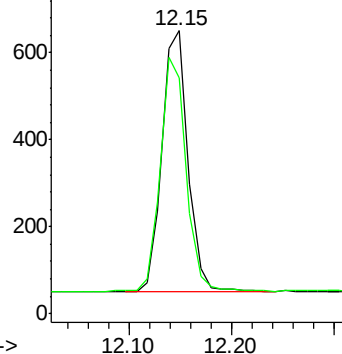
142 100

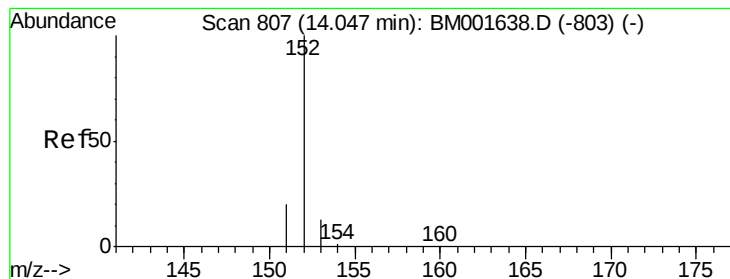
141 88.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.05 min Scan# 807

Delta R.T. -0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

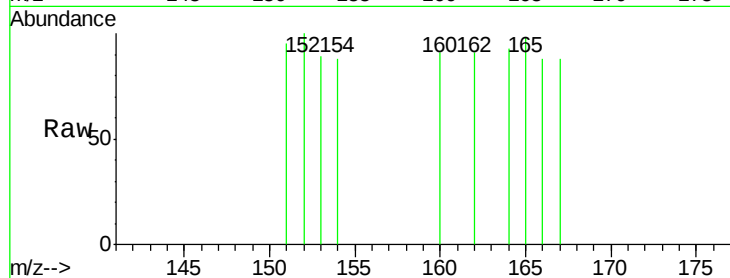
Tgt Ion:152 Resp: 12

Ion Ratio Lower Upper

152 100

151 94.6 16.8 25.2#

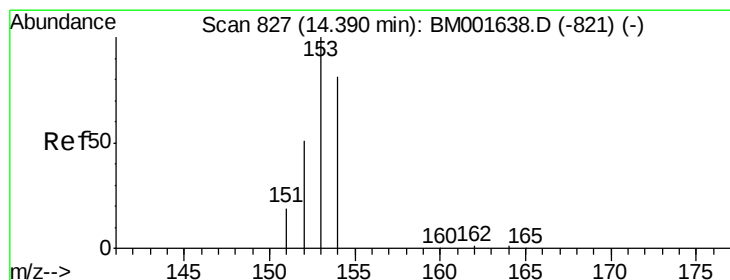
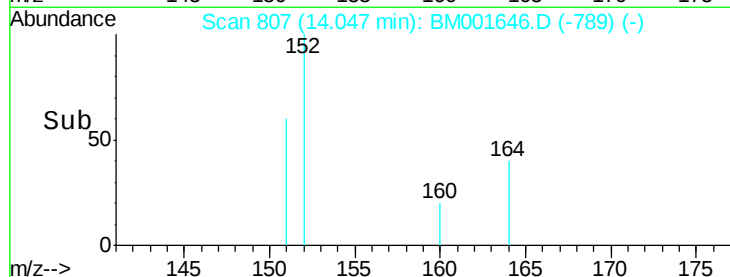
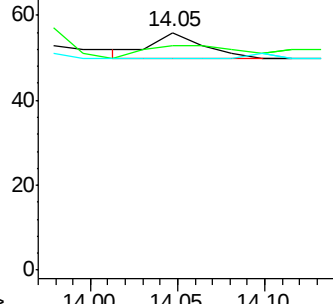
153 89.3 11.3 16.9#



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: 0.00 ng/ul

RT: 14.41 min Scan# 828

Delta R.T. 0.02 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

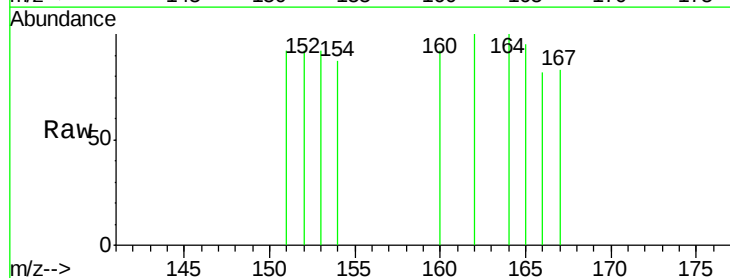
Tgt Ion:153 Resp: 12

Ion Ratio Lower Upper

153 100

152 100.0 42.3 63.5#

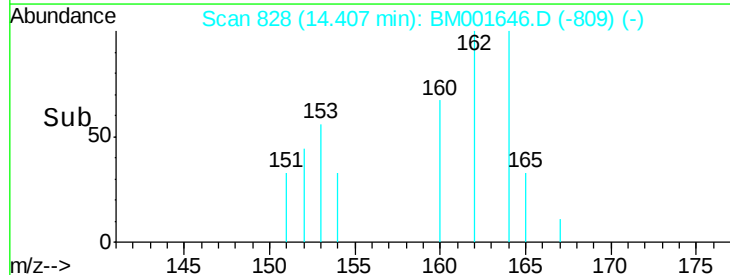
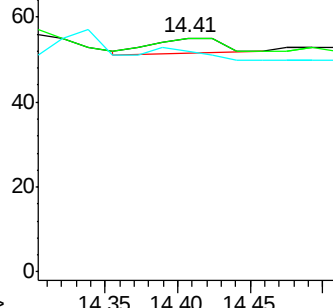
154 94.5 64.7 97.1

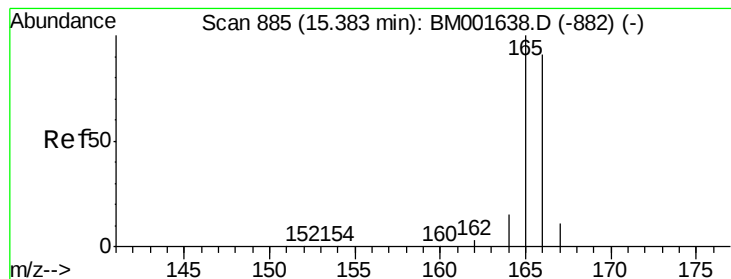


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.13 ng/ul

RT: 15.38 min Scan# 885

Delta R.T. -0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

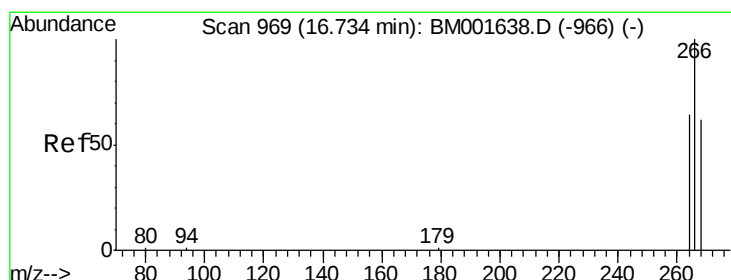
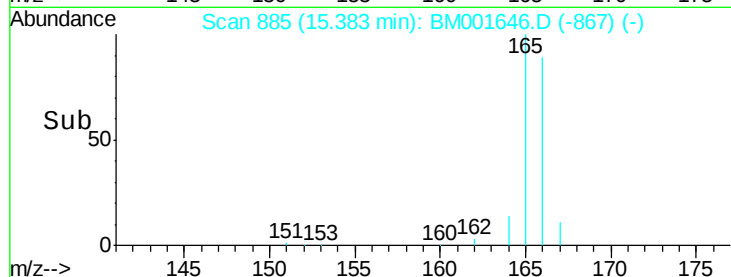
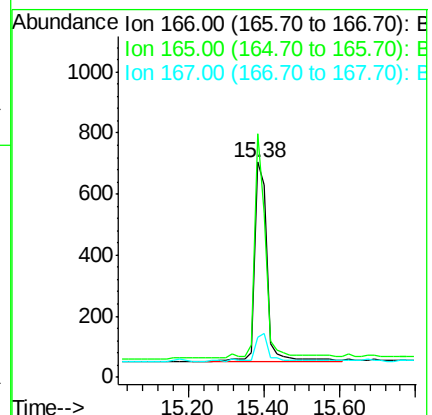
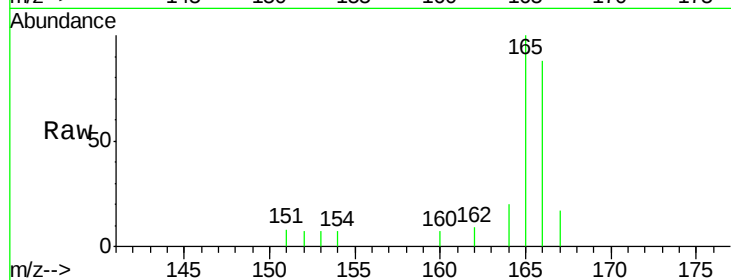
Tgt Ion:166 Resp: 1513

Ion Ratio Lower Upper

166 100

165 113.2 87.6 131.4

167 18.8 11.1 16.7#



#13

Pentachlorophenol

Concen: 0.32 ng/ul

RT: 16.74 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

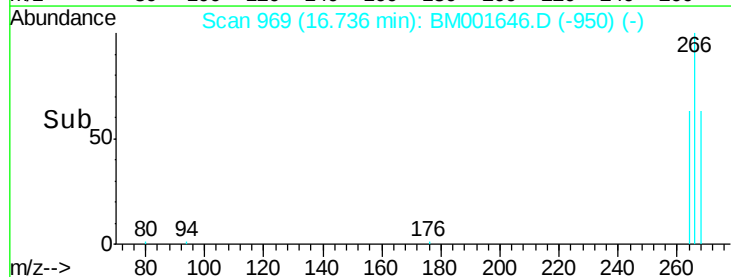
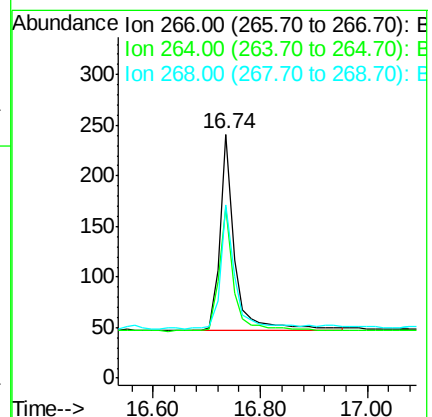
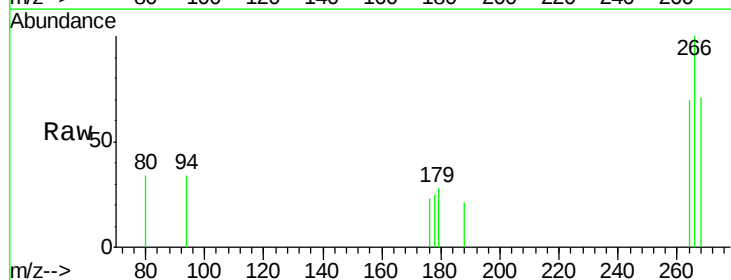
Tgt Ion:266 Resp: 365

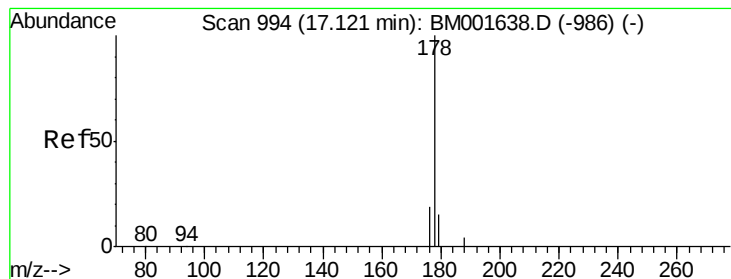
Ion Ratio Lower Upper

266 100

264 69.3 53.5 80.3

268 66.3 54.2 81.2





#14

Phenanthrene

Concen: 0.15 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. 0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

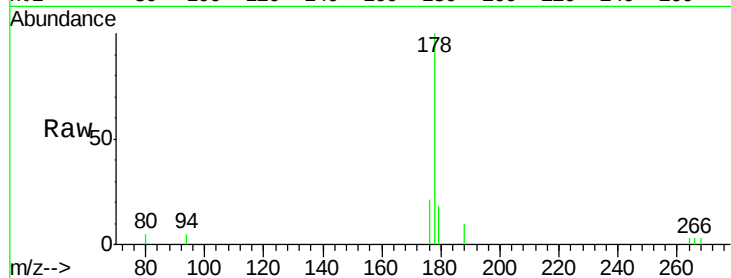
Tgt Ion:178 Resp: 2469

Ion Ratio Lower Upper

178 100

176 21.5 16.2 24.4

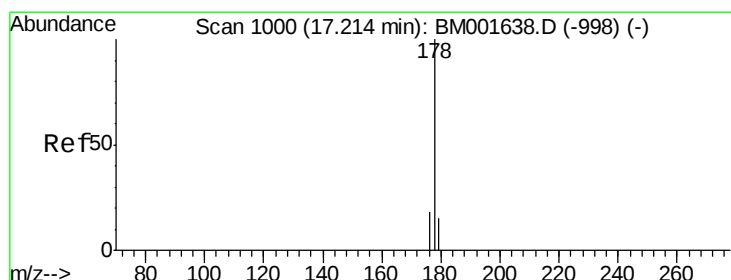
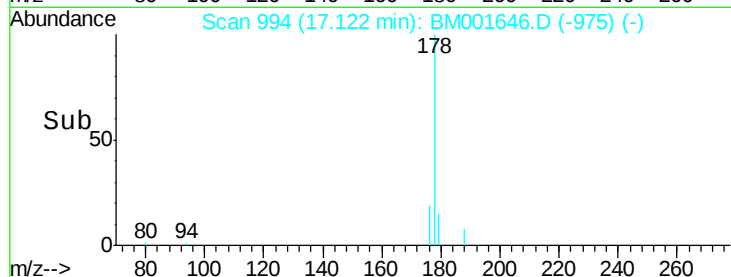
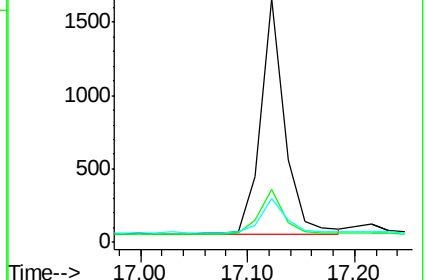
179 18.2 12.8 19.2



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: 0.16 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. -0.09 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

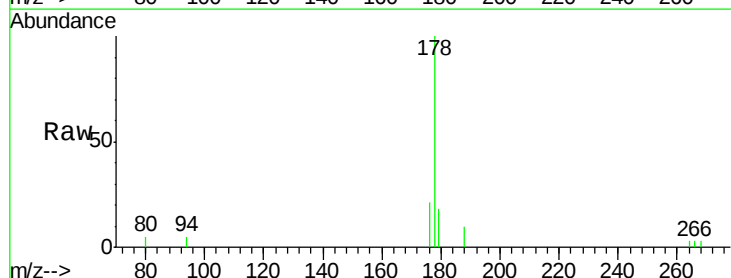
Tgt Ion:178 Resp: 2469

Ion Ratio Lower Upper

178 100

176 21.5 15.8 23.8

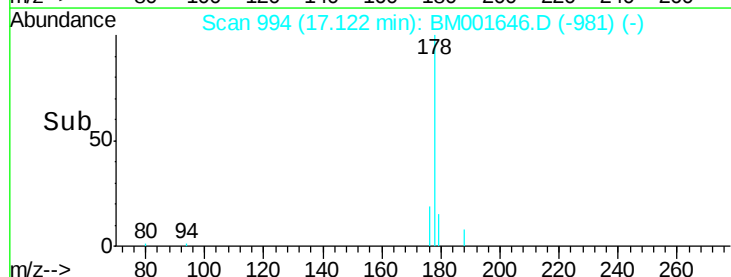
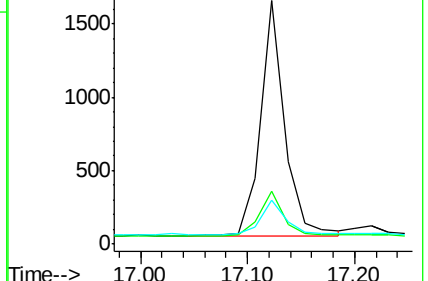
179 18.2 13.3 19.9

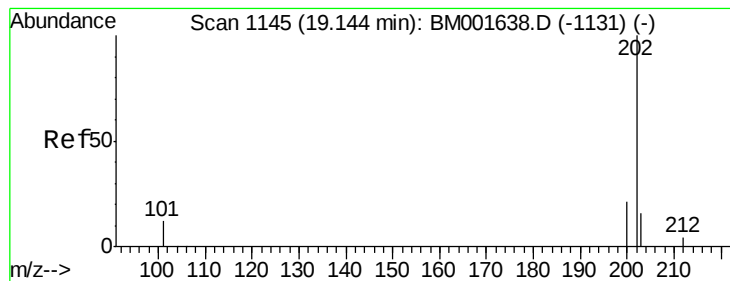


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.13 ng/ul

RT: 19.14 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

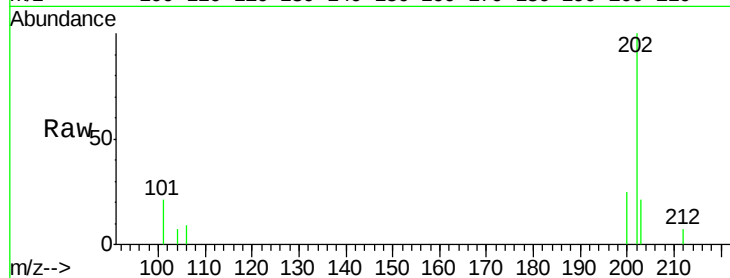
Tgt Ion:202 Resp: 2276

Ion Ratio Lower Upper

202 100

101 20.8 0.0 33.1

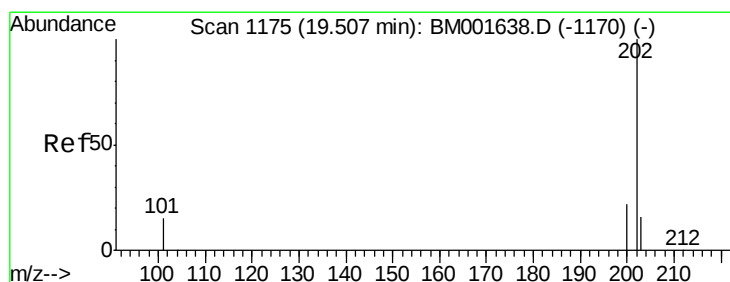
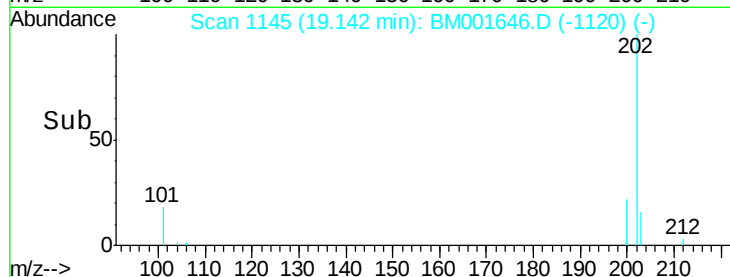
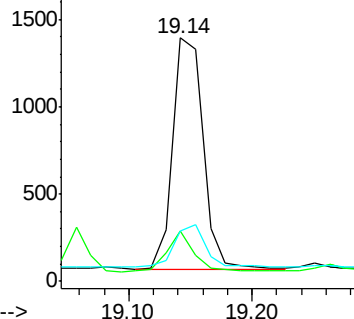
203 20.8 0.0 37.2



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



#19

Pyrene

Concen: 0.01 ng/ul

RT: 19.52 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

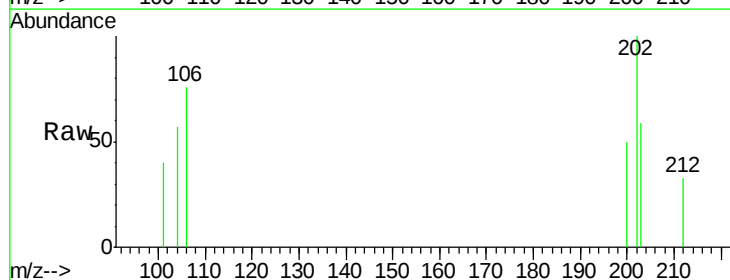
Tgt Ion:202 Resp: 208

Ion Ratio Lower Upper

202 100

200 49.7 18.0 27.0#

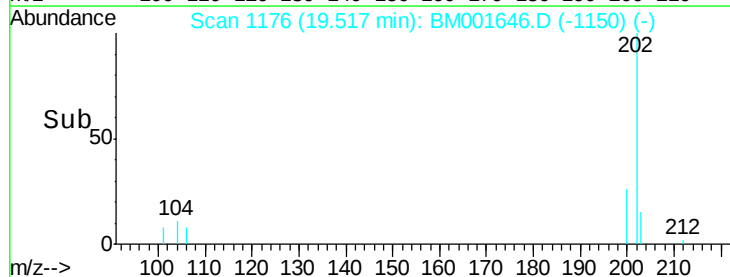
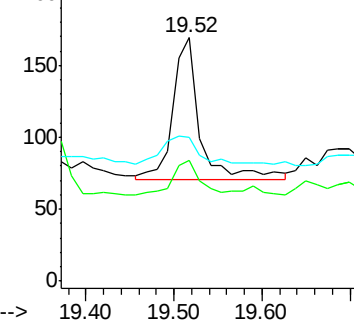
203 59.2 13.8 20.6#

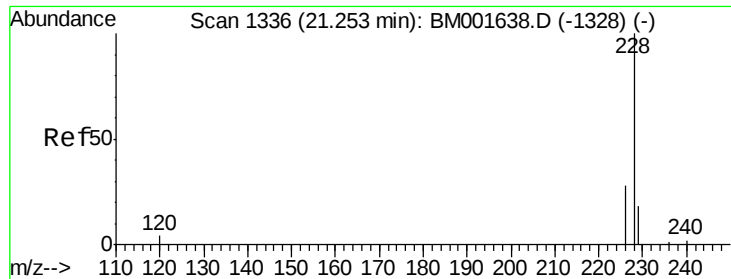


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.17 ng/ul

RT: 21.26 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

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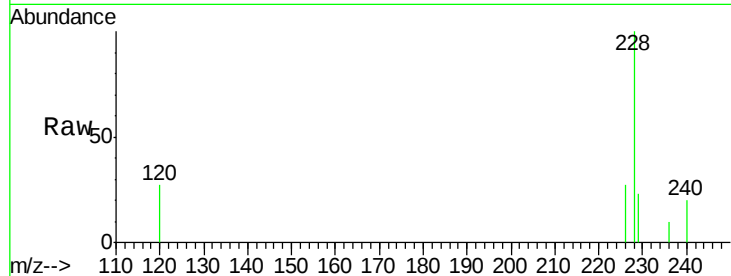
Tgt Ion:228 Resp: 2267

Ion Ratio Lower Upper

228 100

226 27.1 23.0 34.4

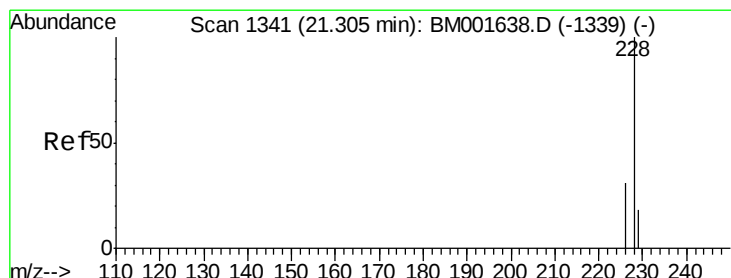
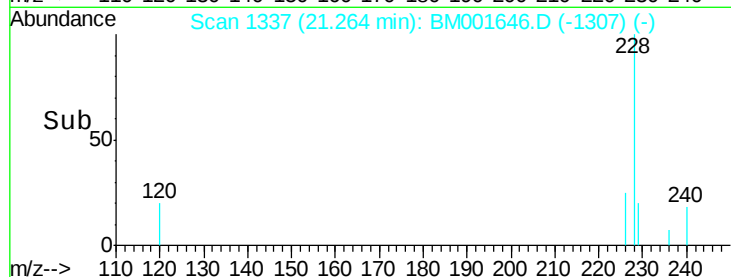
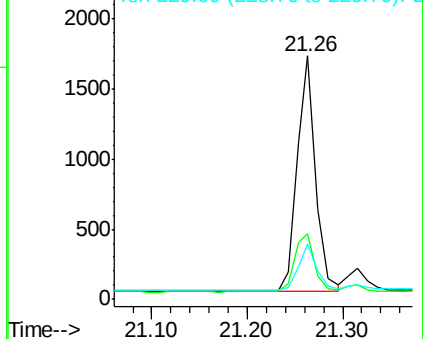
229 22.9 15.2 22.8#



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: 0.02 ng/ul

RT: 21.32 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

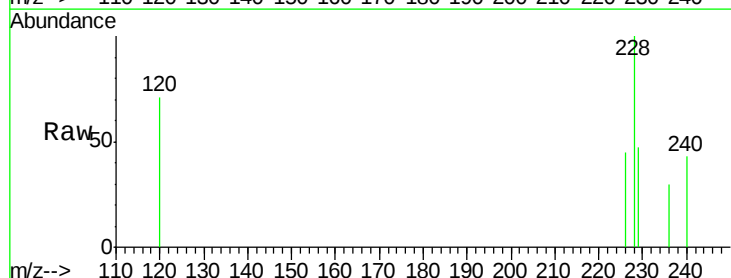
Tgt Ion:228 Resp: 263

Ion Ratio Lower Upper

228 100

226 45.2 25.7 38.5#

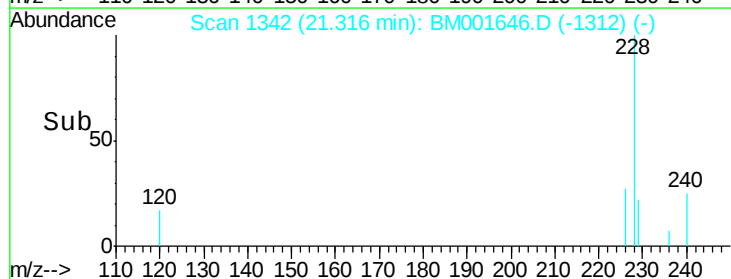
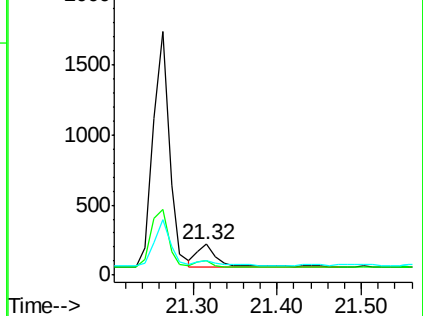
229 47.0 15.2 22.8#

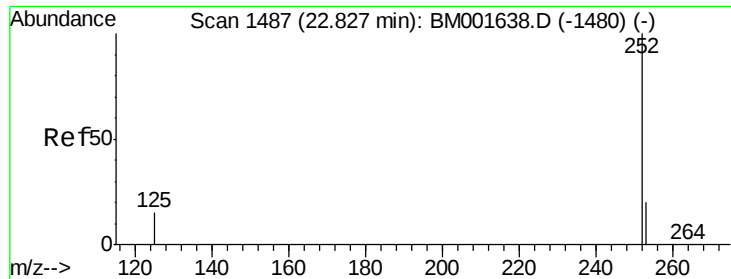


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.17 ng/ul

RT: 22.88 min Scan# 1492

Delta R.T. 0.05 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

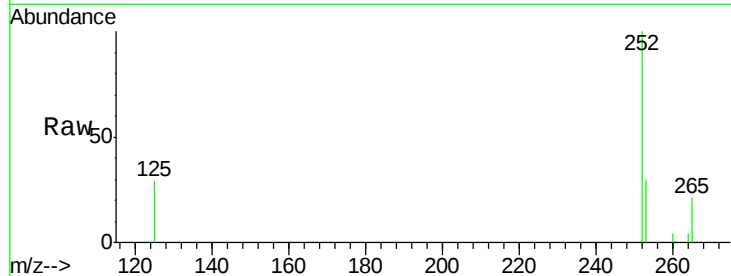
Tgt Ion:252 Resp: 2495

Ion Ratio Lower Upper

252 100

253 30.3 0.0 48.0

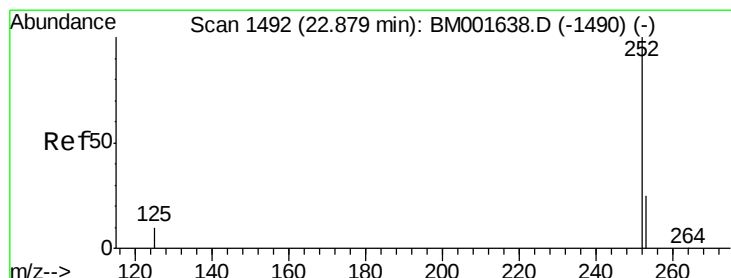
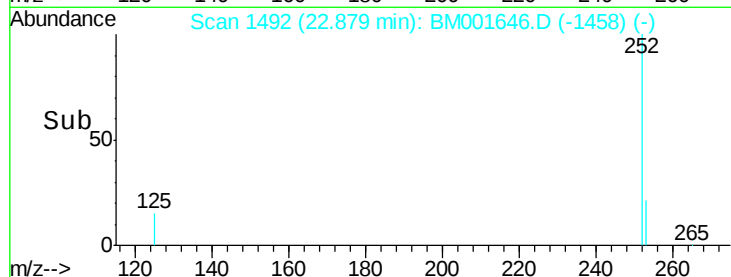
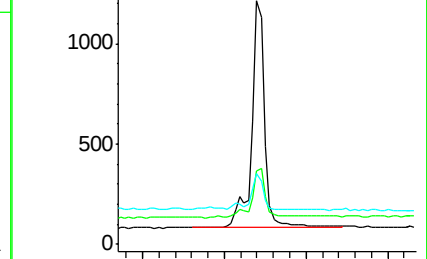
125 29.3 0.0 36.6



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

Benzo(k)fluoranthene

Concen: 0.17 ng/ul

RT: 22.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

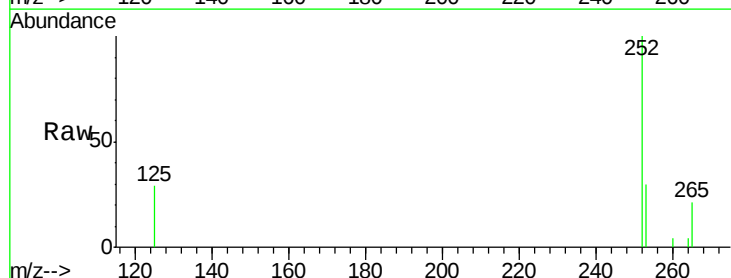
Tgt Ion:252 Resp: 2509

Ion Ratio Lower Upper

252 100

253 30.3 20.8 31.2

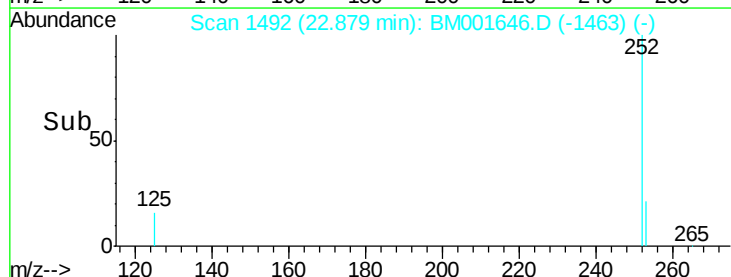
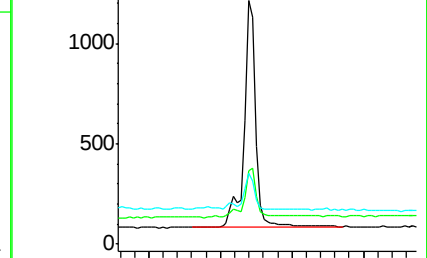
125 29.3 12.2 18.4#

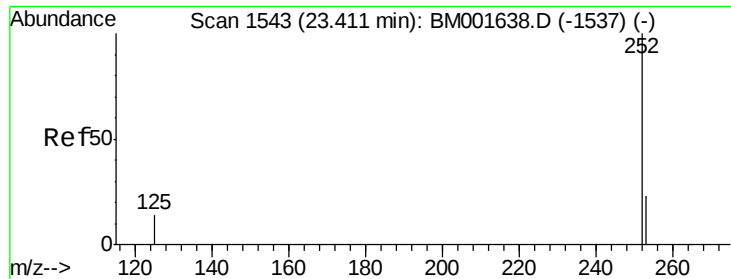


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.41 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

Instrument :

BNA_M

ClientSampleId :

X1T62DL

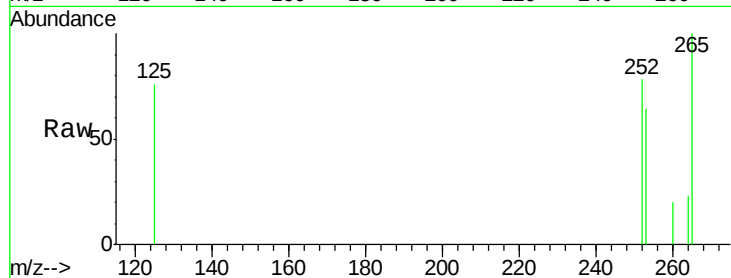
Tgt Ion:252 Resp: 259

Ion Ratio Lower Upper

252 100

253 82.0 21.8 32.8#

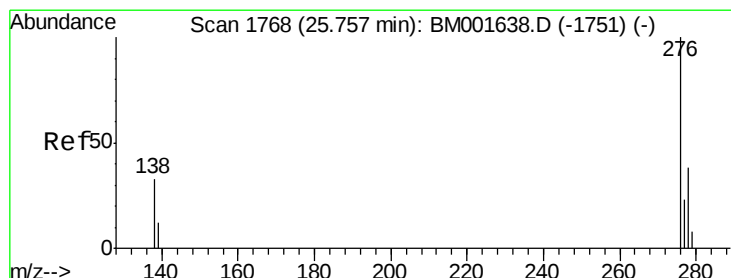
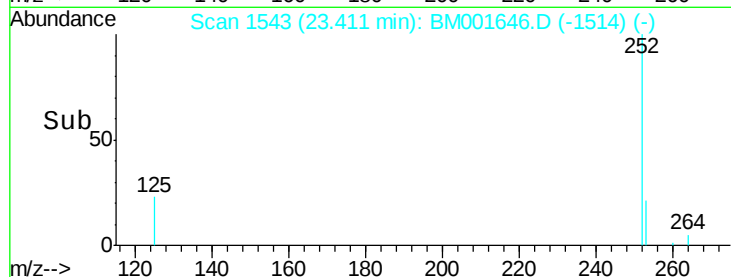
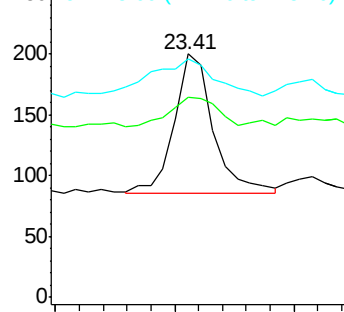
125 98.0 14.5 21.7#



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: 0.14 ng/ul

RT: 25.77 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BM001646.D

Acq: 11 Jun 2015 14:39

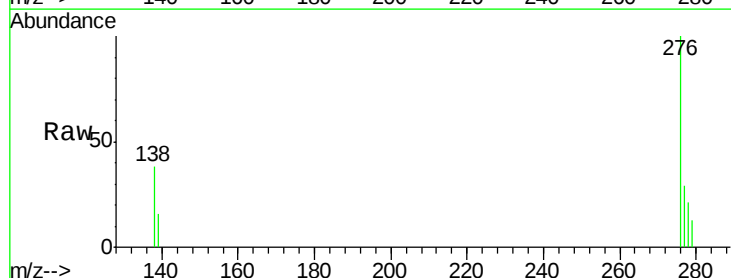
Tgt Ion:276 Resp: 2129

Ion Ratio Lower Upper

276 100

138 30.8 27.5 41.3

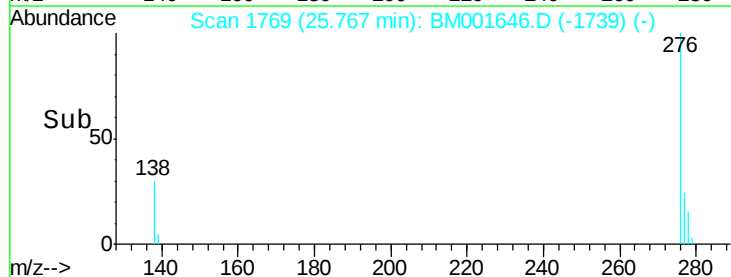
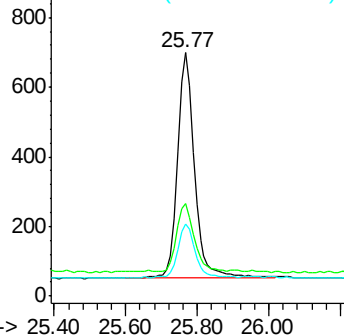
277 24.0 19.3 28.9

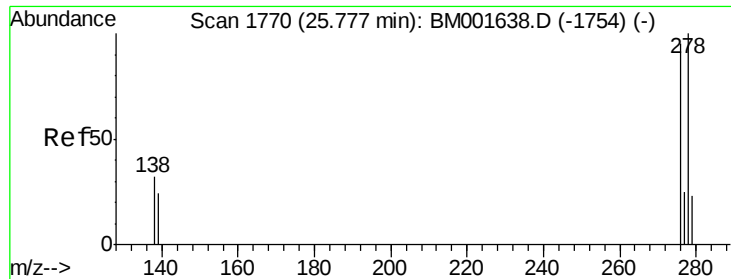


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

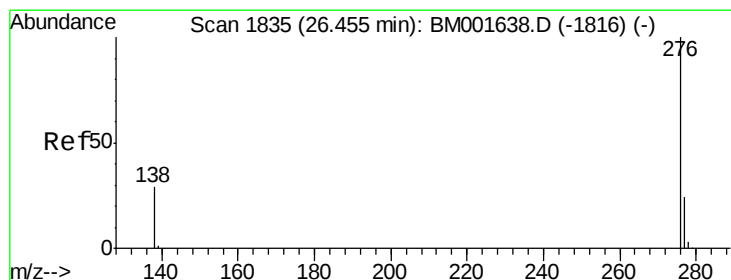
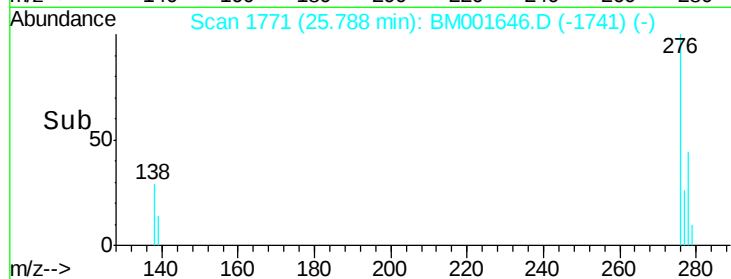
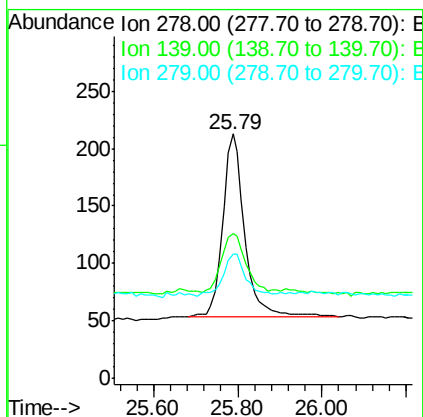
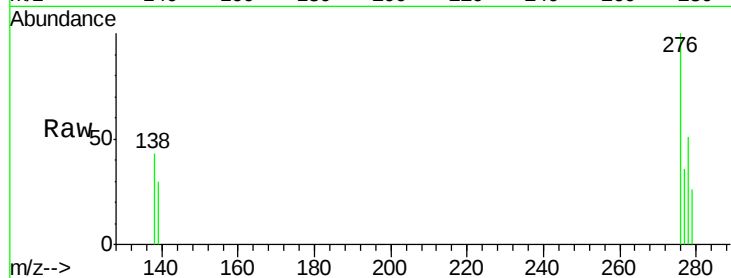




#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.79 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BM001646.D
Acq: 11 Jun 2015 14:39

Instrument :
BNA_M
ClientSampleId :
X1T62DL

Tgt Ion:278 Resp: 580
Ion Ratio Lower Upper
278 100
139 59.2 21.7 32.5#
279 50.7 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.16 ng/ul
RT: 26.45 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BM001646.D
Acq: 11 Jun 2015 14:39

Tgt Ion:276 Resp: 2269
Ion Ratio Lower Upper
276 100
277 28.4 21.3 31.9
138 41.5 25.5 38.3#

