

Data Path : S:\HPCHEM1\BNA_M\Data\BM061115\
 Data File : BM001643.D
 Acq On : 11 Jun 2015 10:46
 Operator : TP/IZ
 Sample : PB83812BL
 Misc : SBLK68
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK68

Quant Time: Jun 11 14:54:04 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	1581	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	5572	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.34	164	2502	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.09	188	4877	0.40	ng/ul	0.00
18) Chrysene-d12	21.27	240	3391	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	2885	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	19	0.00	ng/uL	0.03
6) 2-Methylnaphthalene-d10	12.08	152	2455	0.37	ng/ul	0.00
16) Fluoranthene-d10	19.12	212	3697	0.38	ng/ul	0.00

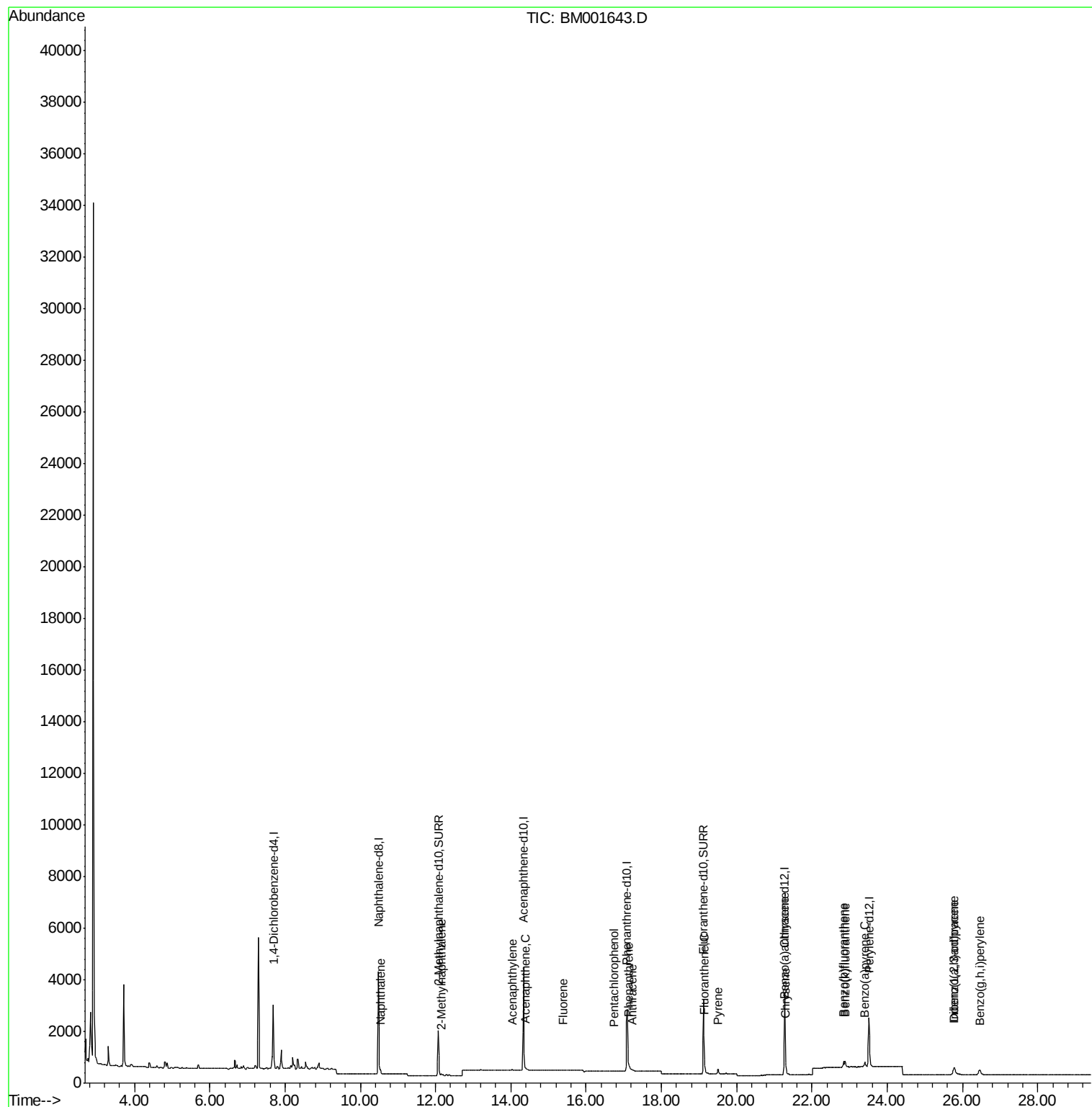
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.53	128	129	0.01	ng/ul#	10
7) 2-Methylnaphthalene	12.15	142	41	0.00	ng/ul	89
9) Acenaphthylene	14.05	152	31	0.00	ng/ul#	1
10) Acenaphthene	14.39	153	23	0.00	ng/ul#	70
11) Fluorene	15.40	166	31	0.00	ng/ul#	75
13) Pentachlorophenol	16.74	266	20	0.02	ng/ul#	87
14) Phenanthrene	17.12	178	54	0.00	ng/ul#	1
15) Anthracene	17.22	178	46	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	224	0.01	ng/ul#	35
19) Pyrene	19.52	202	224	0.02	ng/ul#	50
20) Benzo(a)anthracene	21.26	228	288	0.03	ng/ul#	69
21) Chrysene	21.31	228	335	0.03	ng/ul#	70
23) Benzo(b)fluoranthene	22.84	252	359	0.03	ng/ul#	31
24) Benzo(k)fluoranthene	22.88	252	375	0.03	ng/ul#	34
25) Benzo(a)pyrene	23.41	252	287	0.03	ng/ul#	13
26) Indeno(1,2,3-cd)pyrene	25.77	276	515	0.04	ng/ul	98
27) Dibenzo(a,h)anthracene	25.79	278	439	0.05	ng/ul#	45
28) Benzo(g,h,i)perylene	26.45	276	475	0.04	ng/ul#	59

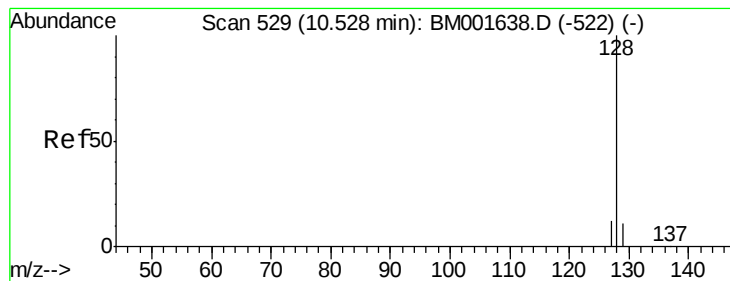
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.53 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

BNA_M

ClientSampleId :

SBLK68

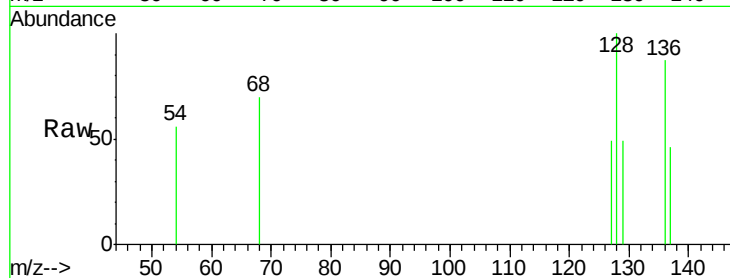
Tgt Ion:128 Resp: 129

Ion Ratio Lower Upper

128 100

129 48.7 9.8 14.8#

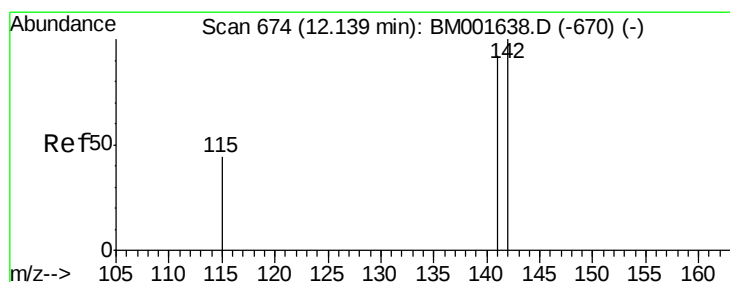
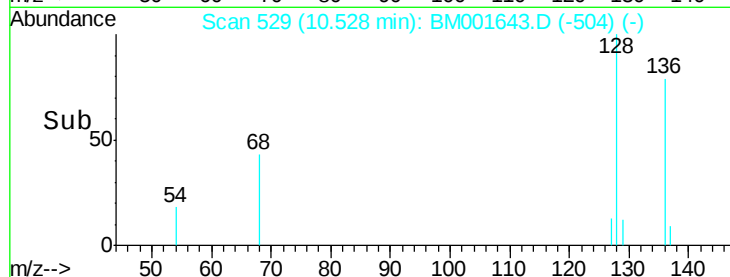
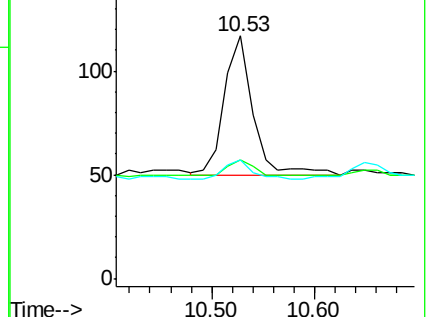
127 48.7 10.7 16.1#



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: 0.00 ng/ul

RT: 12.15 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM001643.D

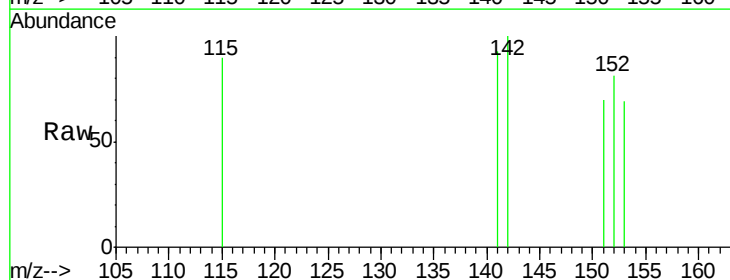
Acq: 11 Jun 2015 10:46

Tgt Ion:142 Resp: 41

Ion Ratio Lower Upper

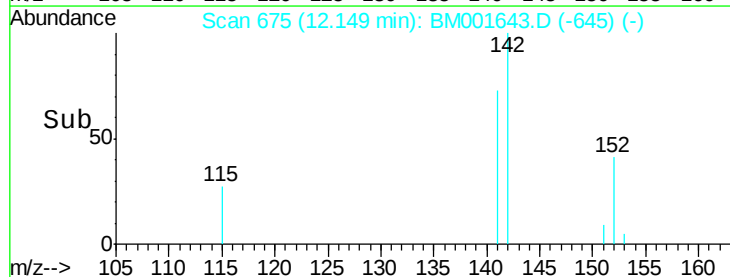
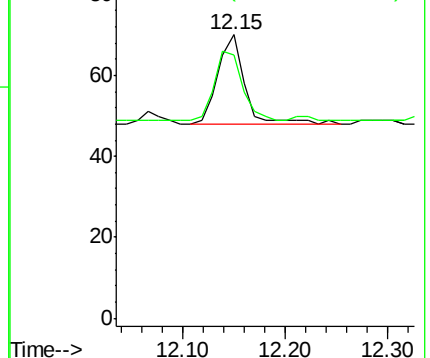
142 100

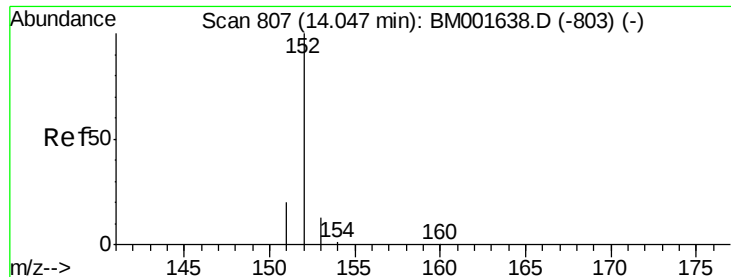
141 78.0 70.3 105.5



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: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

BNA_M

ClientSampleId :

SBLK68

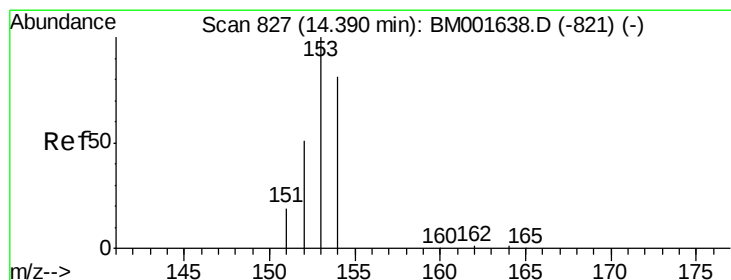
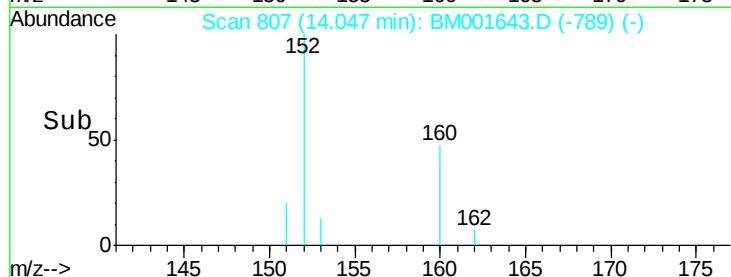
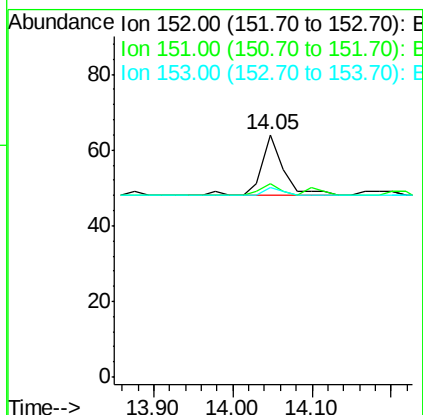
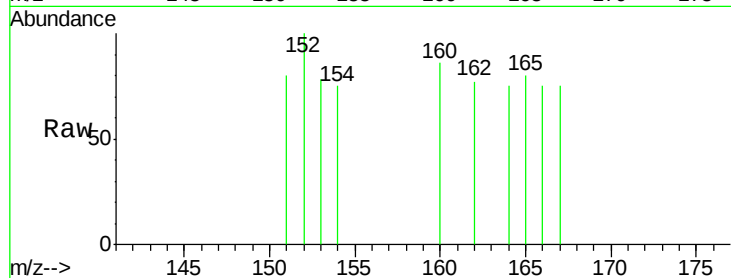
Tgt Ion:152 Resp: 31

Ion Ratio Lower Upper

152 100

151 79.7 16.8 25.2#

153 78.1 11.3 16.9#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.39 min Scan# 827

Delta R.T. -0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

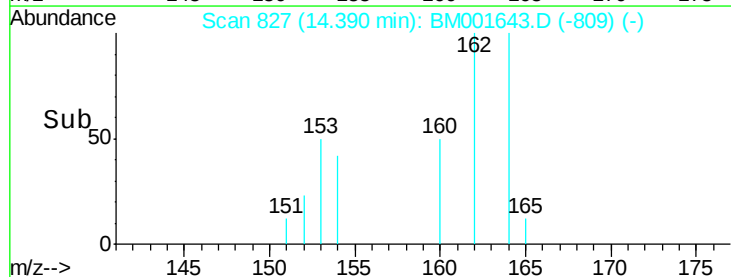
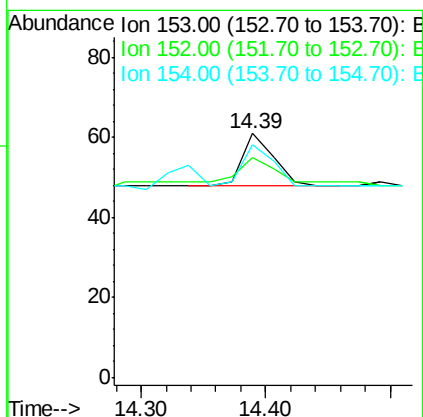
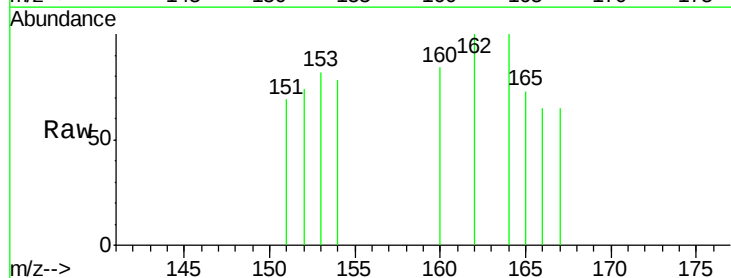
Tgt Ion:153 Resp: 23

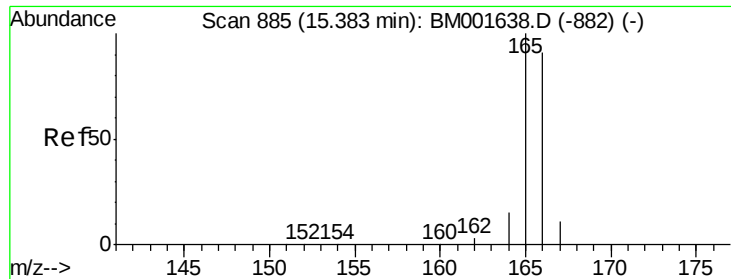
Ion Ratio Lower Upper

153 100

152 90.2 42.3 63.5#

154 95.1 64.7 97.1

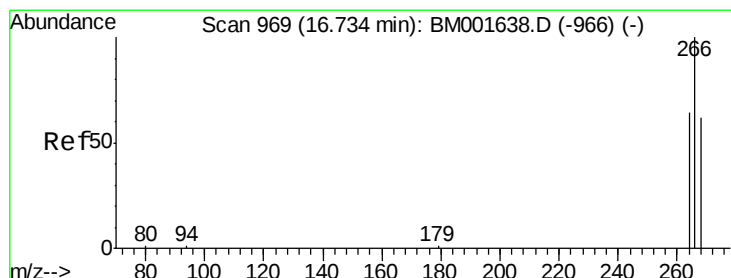
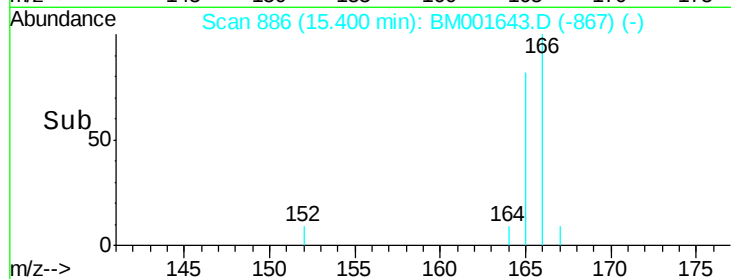
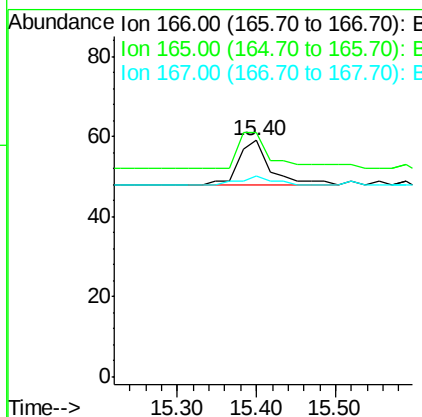
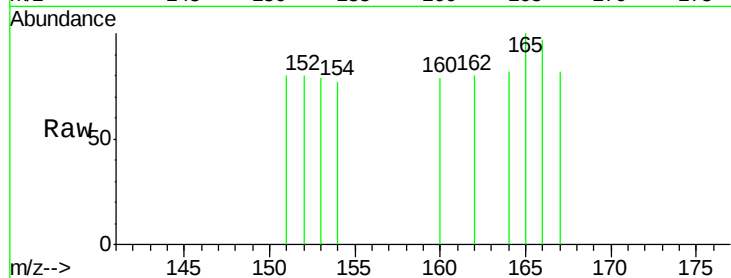




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.40 min Scan# 886
 Delta R.T. 0.02 min
 Lab File: BM001643.D
 Acq: 11 Jun 2015 10:46

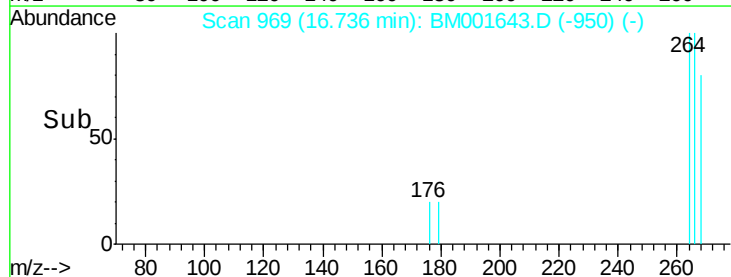
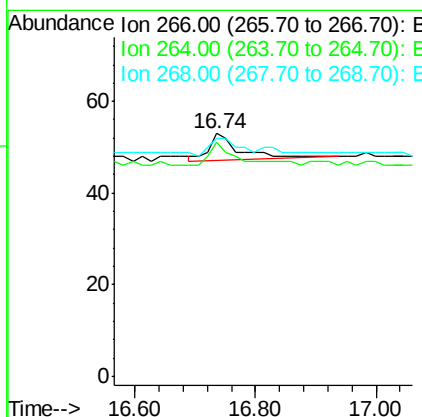
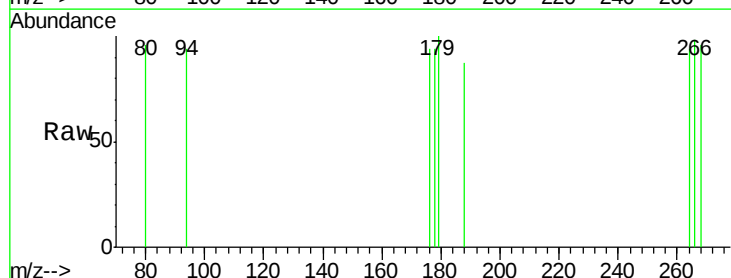
Instrument :
 BNA_M
 ClientSampleId :
 SBLK68

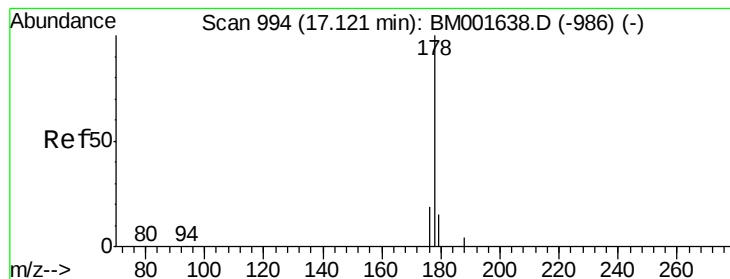
Tgt Ion:166 Resp: 31
 Ion Ratio Lower Upper
 166 100
 165 103.4 87.6 131.4
 167 84.7 11.1 16.7#



#13
 Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 16.74 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BM001643.D
 Acq: 11 Jun 2015 10:46

Tgt Ion:266 Resp: 20
 Ion Ratio Lower Upper
 266 100
 264 85.0 53.5 80.3#
 268 70.0 54.2 81.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.12 min Scan# 994

Delta R.T. 0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

BNA_M

ClientSampleId :

SBLK68

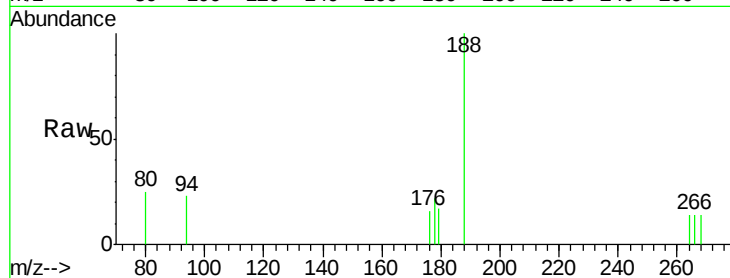
Tgt Ion:178 Resp: 54

Ion Ratio Lower Upper

178 100

176 74.3 16.2 24.4#

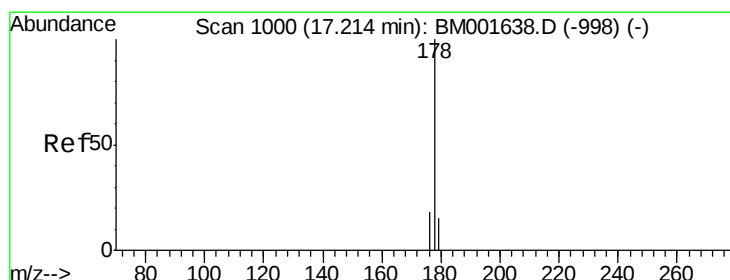
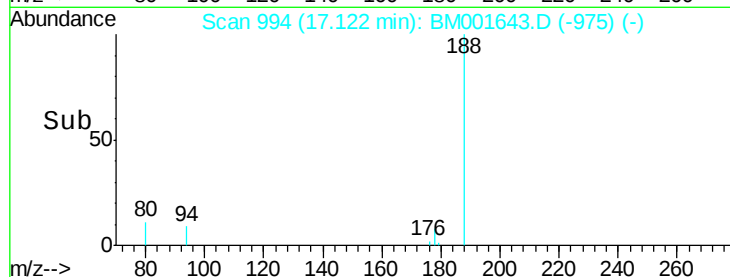
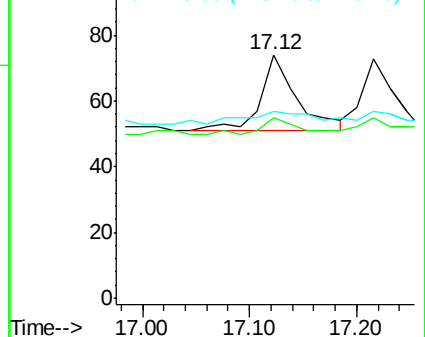
179 77.0 12.8 19.2#



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: 0.00 ng/ul

RT: 17.22 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

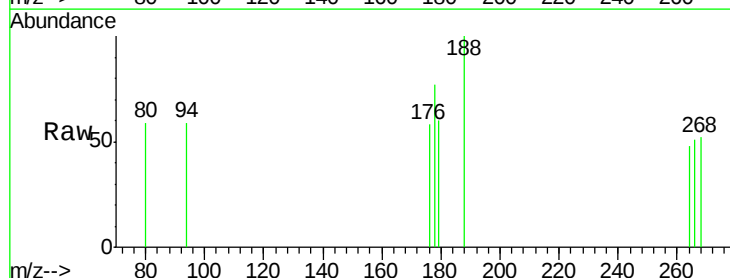
Tgt Ion:178 Resp: 46

Ion Ratio Lower Upper

178 100

176 75.3 15.8 23.8#

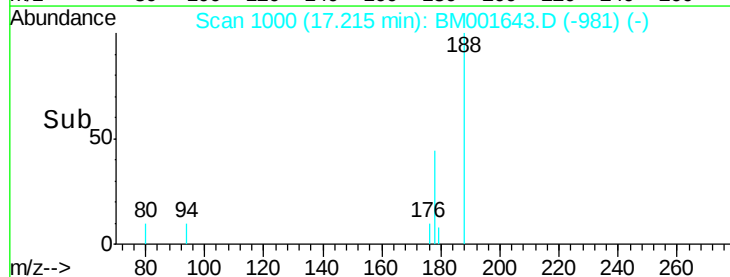
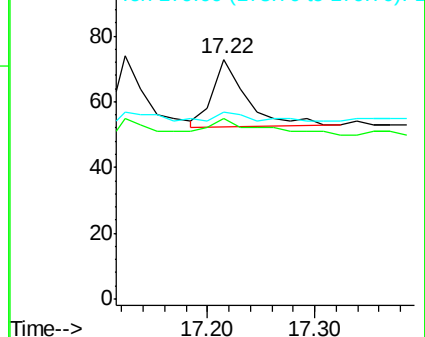
179 78.1 13.3 19.9#

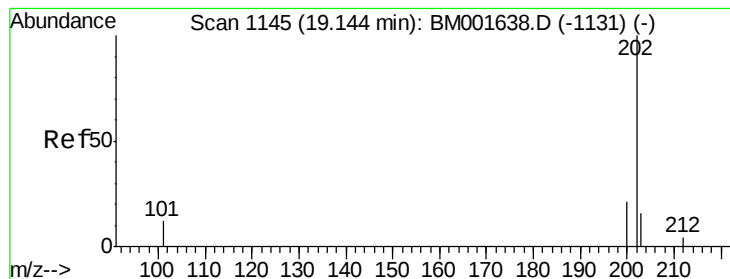


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.01 ng/ul

RT: 19.14 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

BNA_M

ClientSampleId :

SBLK68

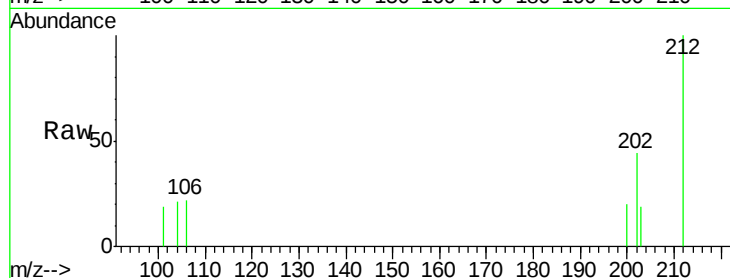
Tgt Ion:202 Resp: 224

Ion Ratio Lower Upper

202 100

101 42.6 0.0 33.1#

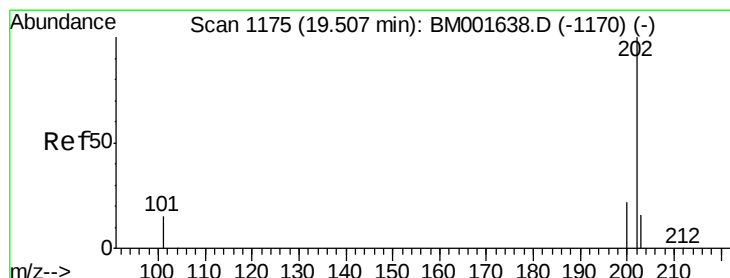
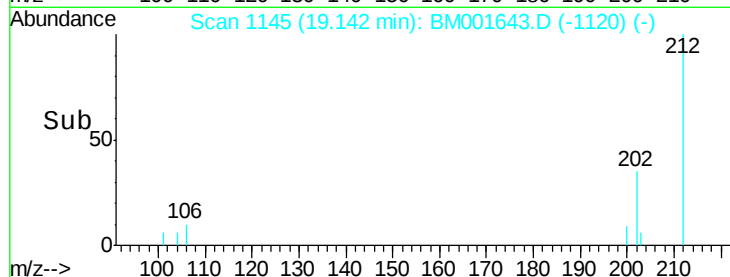
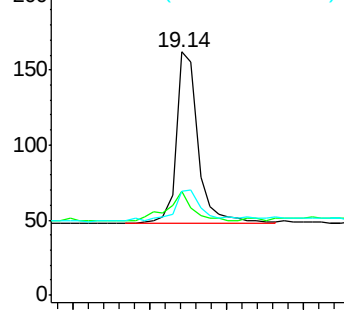
203 42.6 0.0 37.2#



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: 0.02 ng/ul

RT: 19.52 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

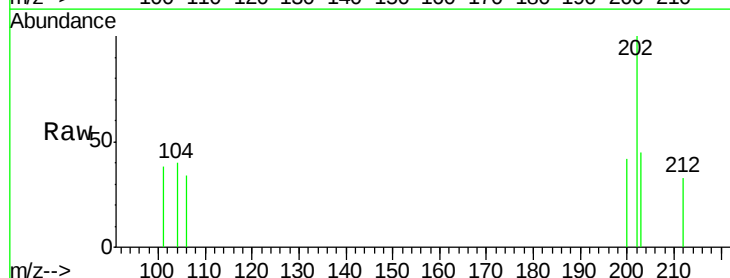
Tgt Ion:202 Resp: 224

Ion Ratio Lower Upper

202 100

200 41.5 18.0 27.0#

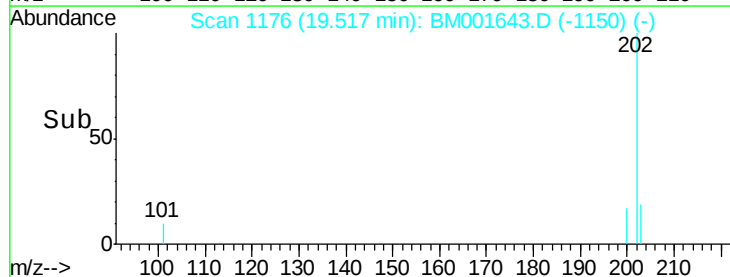
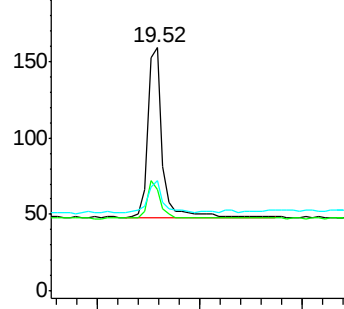
203 45.3 13.8 20.6#

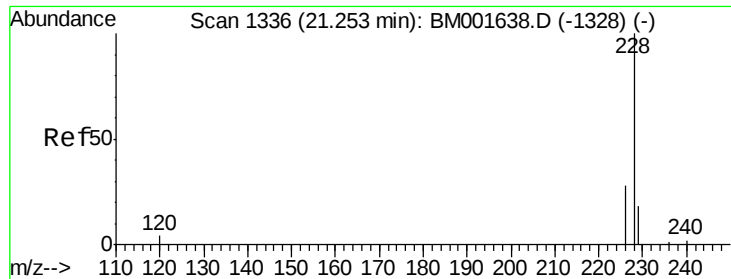


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.03 ng/ul

RT: 21.26 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

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ClientSampleId :

SBLK68

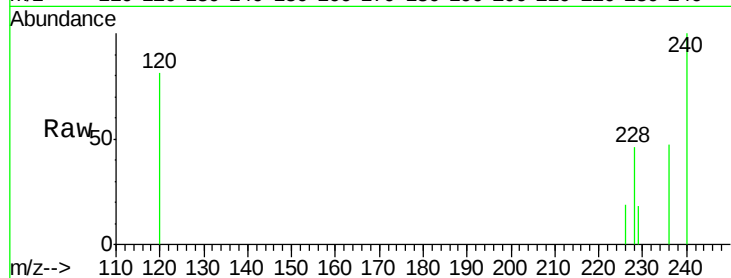
Tgt Ion:228 Resp: 288

Ion Ratio Lower Upper

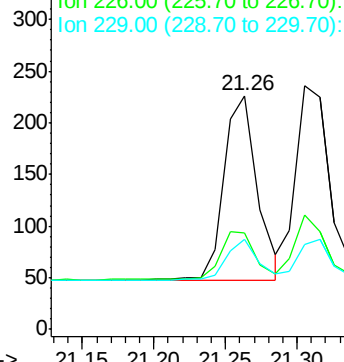
228 100

226 41.2 23.0 34.4#

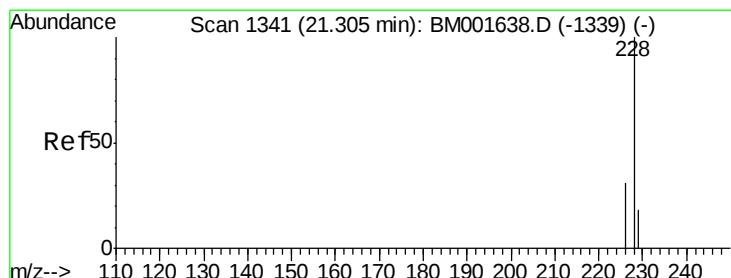
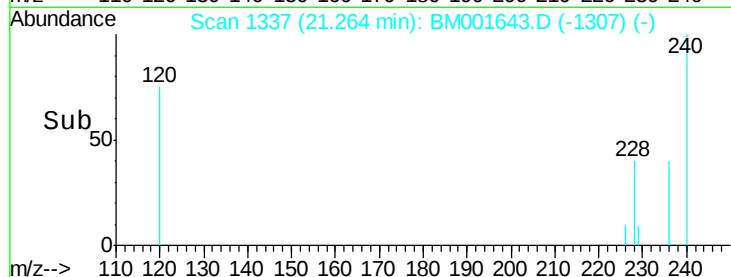
229 38.5 15.2 22.8#



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



Time--> 21.15 21.20 21.25 21.30



#21

Chrysene

Concen: 0.03 ng/ul

RT: 21.31 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

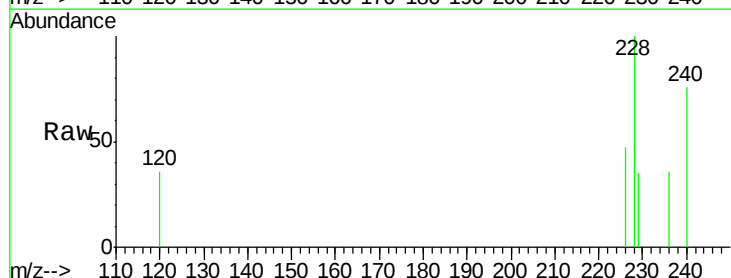
Tgt Ion:228 Resp: 335

Ion Ratio Lower Upper

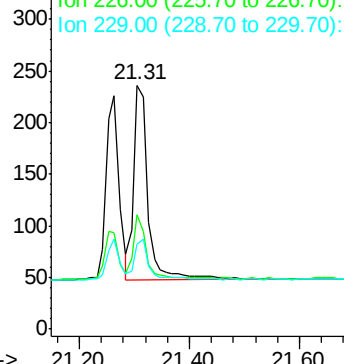
228 100

226 47.0 25.7 38.5#

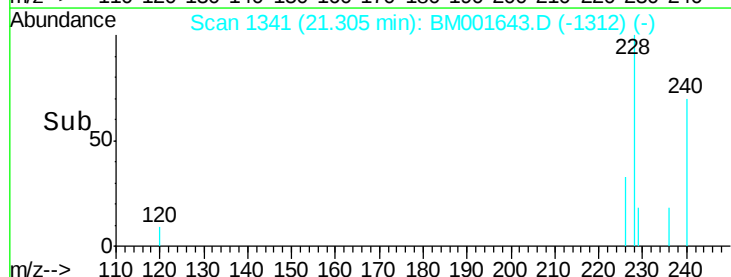
229 34.7 15.2 22.8#

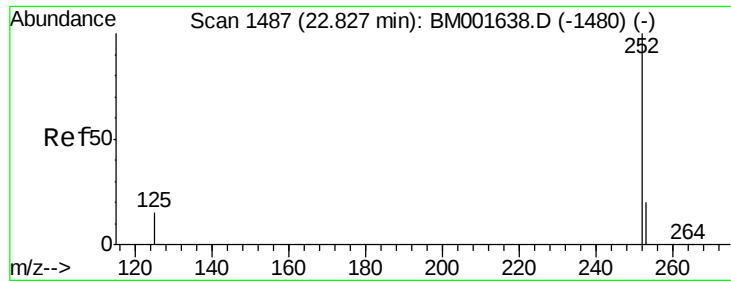


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.40 21.60





#23

Benzo(b)fluoranthene

Concen: 0.03 ng/u1

RT: 22.84 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

BNA_M

ClientSampleId :

SBLK68

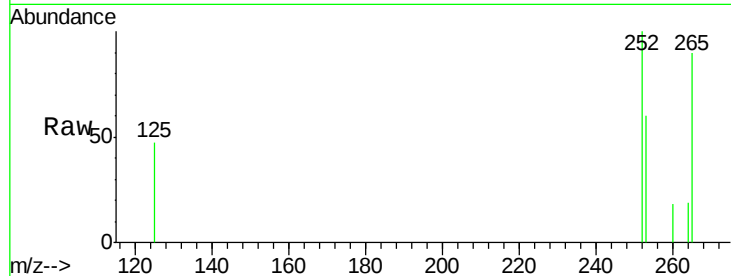
Tgt Ion:252 Resp: 359

Ion Ratio Lower Upper

252 100

253 60.1 0.0 48.0#

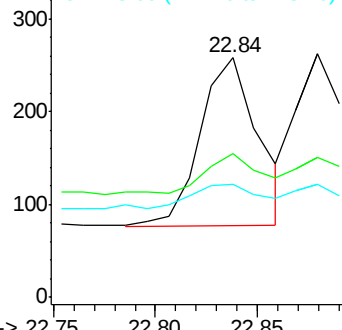
125 46.9 0.0 36.6#



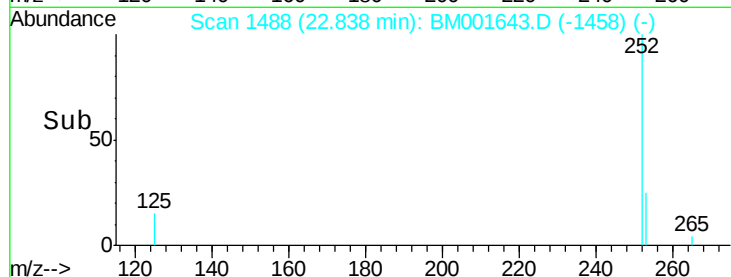
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.75 22.80 22.85



#24

Benzo(k)fluoranthene

Concen: 0.03 ng/u1

RT: 22.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

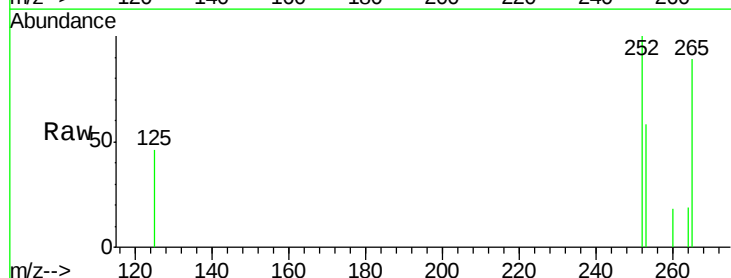
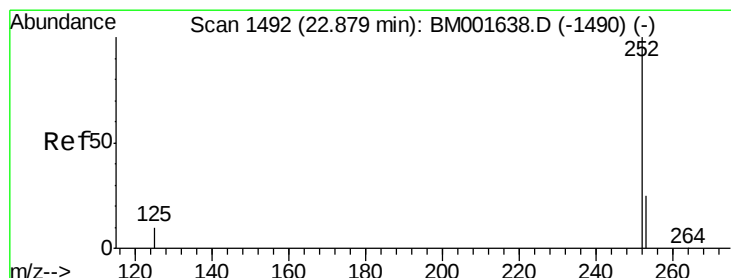
Tgt Ion:252 Resp: 375

Ion Ratio Lower Upper

252 100

253 57.6 20.8 31.2#

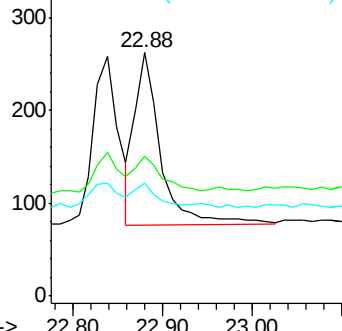
125 46.2 12.2 18.4#



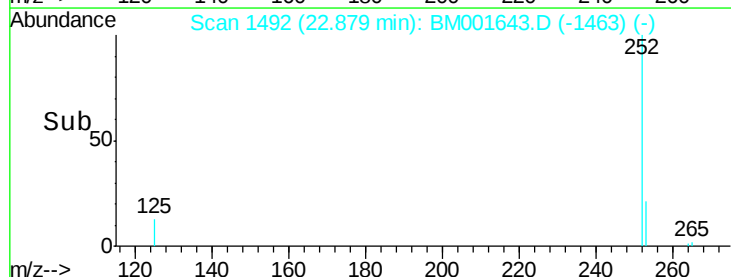
Abundance Ion 252.00 (251.70 to 252.70): E

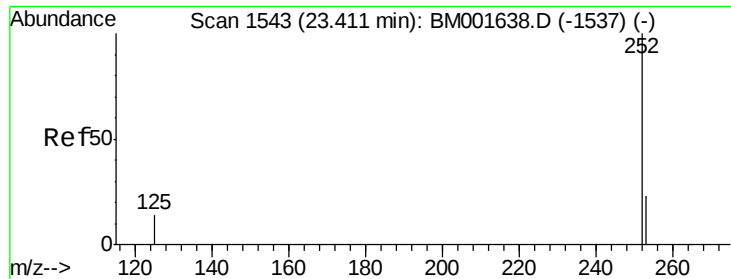
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.80 22.90 23.00





#25

Benzo(a)pyrene

Concen: 0.03 ng/ul

RT: 23.41 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

Instrument :

BNA_M

ClientSampleId :

SBLK68

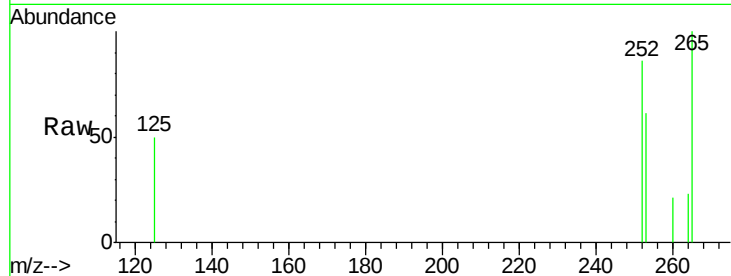
Tgt Ion:252 Resp: 287

Ion Ratio Lower Upper

252 100

253 71.4 21.8 32.8#

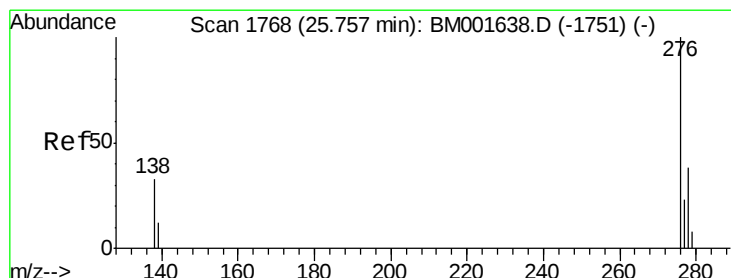
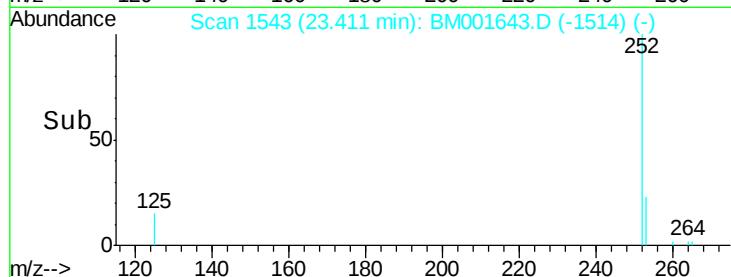
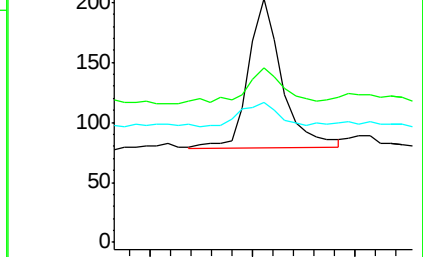
125 57.6 14.5 21.7#



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: 0.04 ng/ul

RT: 25.77 min Scan# 1769

Delta R.T. 0.01 min

Lab File: BM001643.D

Acq: 11 Jun 2015 10:46

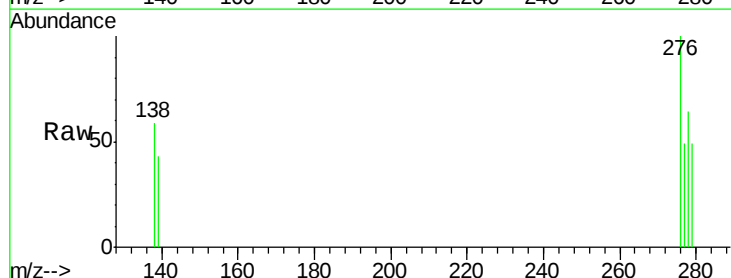
Tgt Ion:276 Resp: 515

Ion Ratio Lower Upper

276 100

138 36.1 27.5 41.3

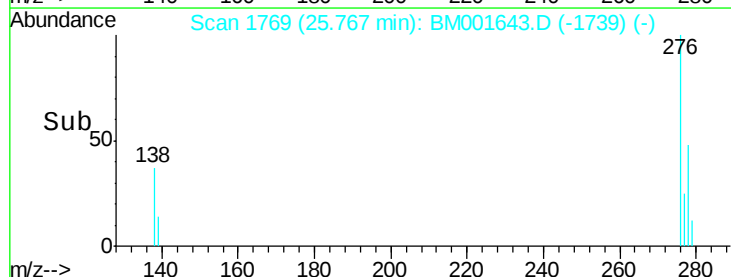
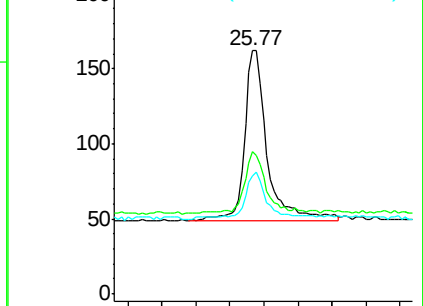
277 24.5 19.3 28.9

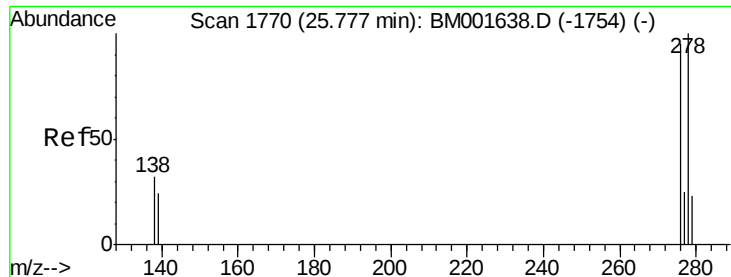


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

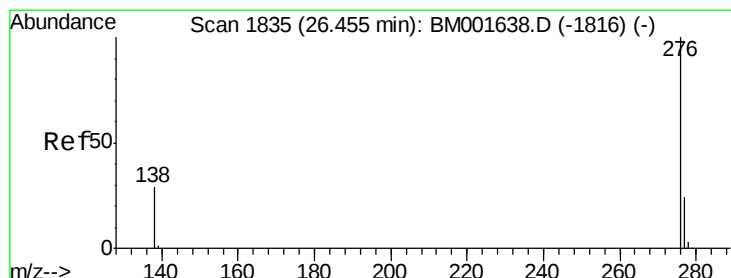
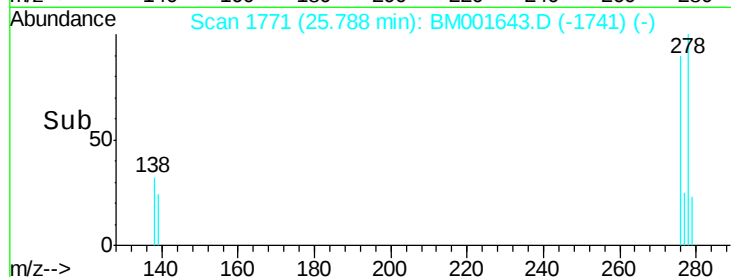
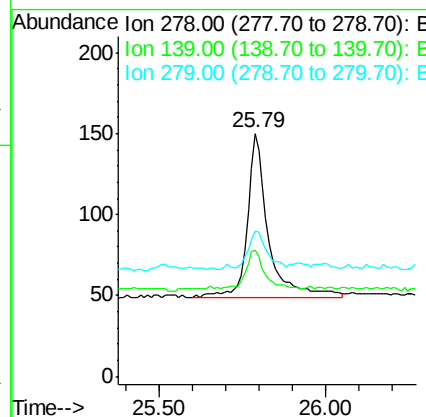
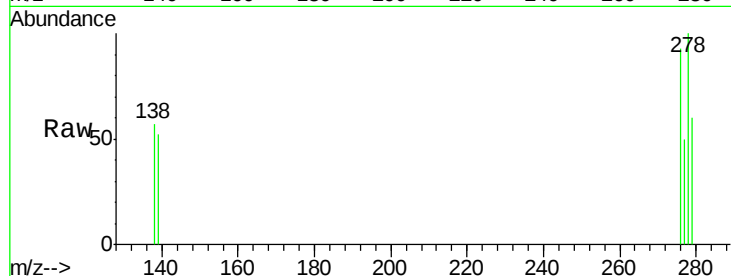




#27
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.79 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BM001643.D
Acq: 11 Jun 2015 10:46

Instrument :
BNA_M
ClientSampleId :
SBLK68

Tgt Ion: 278 Resp: 439
Ion Ratio Lower Upper
278 100
139 52.0 21.7 32.5#
279 60.0 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.04 ng/ul
RT: 26.45 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BM001643.D
Acq: 11 Jun 2015 10:46

Tgt Ion: 276 Resp: 475
Ion Ratio Lower Upper
276 100
277 48.4 21.3 31.9#
138 54.0 25.5 38.3#

