

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020116\
 Data File : BM004159.D
 Acq On : 01 Feb 2016 12:02
 Operator : SJ/IZ
 Sample : PB88048BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK48

Quant Time: Feb 02 01:21:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 01:18:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1427	0.40	ng/ul	0.00
4) Naphthalene-d8	10.46	136	5848	0.40	ng/ul	0.01
8) Acenaphthene-d10	14.33	164	3863	0.40	ng/ul	0.02
12) Phenanthrene-d10	17.07	188	10214	0.40	ng/ul	0.00
18) Chrysene-d12	21.29	240	9862	0.40	ng/ul	0.01
22) Perylene-d12	23.52	264	9124	0.40	ng/ul	0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	26	0.04	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.07	152	2418	0.32	ng/ul	0.01
16) Fluoranthene-d10	19.12	212	9458	0.37	ng/ul	0.01

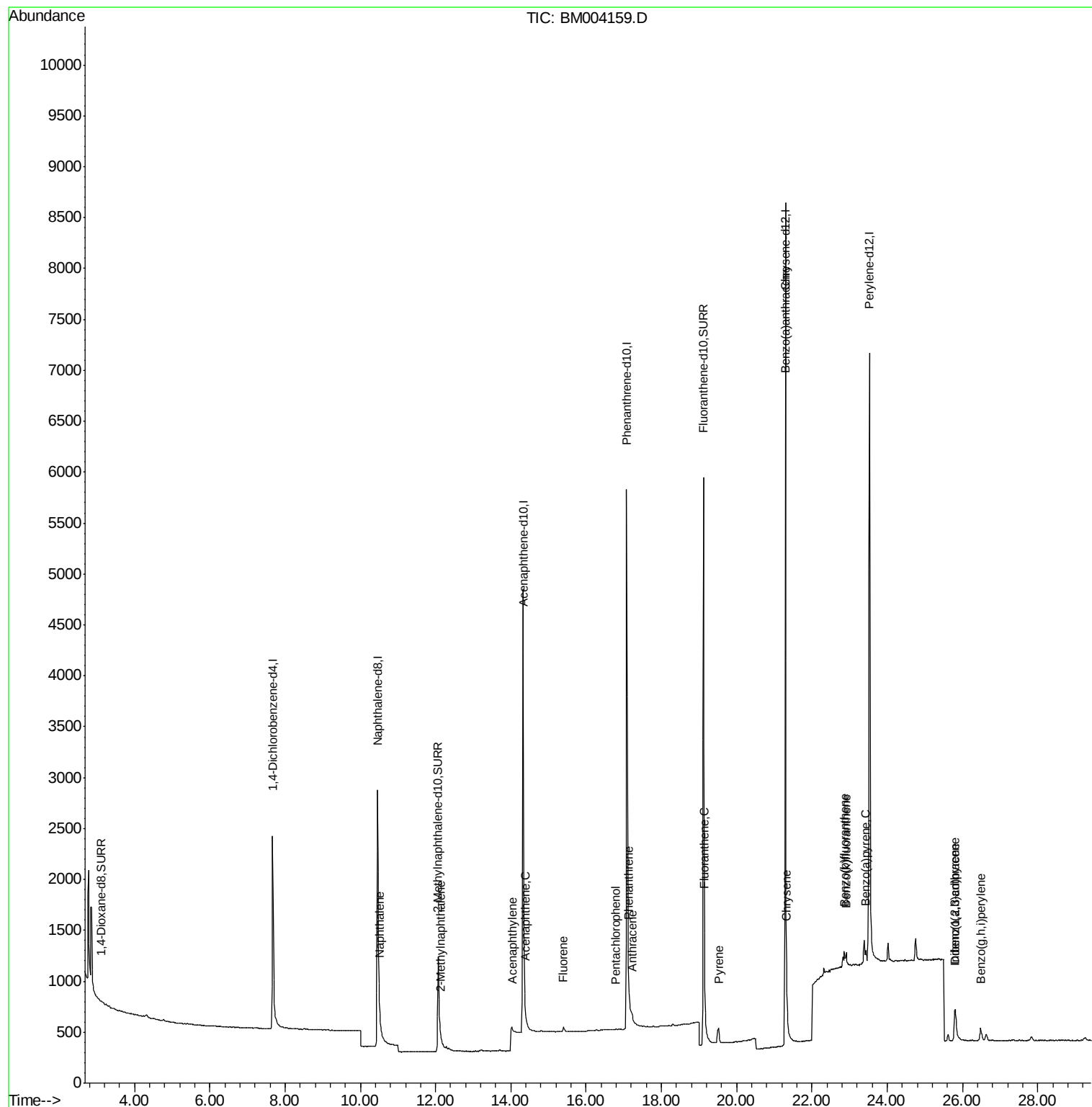
Target Compounds				Qvalue		
5) Naphthalene	10.51	128	84	0.01	ng/ul#	1
7) 2-Methylnaphthalene	12.14	142	47	0.00	ng/ul	96
9) Acenaphthylene	14.04	152	42	0.00	ng/ul#	1
10) Acenaphthene	14.38	153	62	0.00	ng/ul#	77
11) Fluorene	15.39	166	65	0.00	ng/ul#	57
13) Pentachlorophenol	16.78	266	12	0.01	ng/ul#	42
14) Phenanthrene	17.12	178	200	0.01	ng/ul#	19
15) Anthracene	17.23	178	70	0.00	ng/ul#	1
17) Fluoranthene	19.14	202	182	0.01	ng/ul#	17
19) Pyrene	19.52	202	172	0.01	ng/ul#	30
20) Benzo(a)anthracene	21.28	228	206	0.01	ng/ul#	40
21) Chrysene	21.32	228	233	0.01	ng/ul#	50
23) Benzo(b)fluoranthene	22.86	252	233	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.90	252	255	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.43	252	223	0.01	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.80	276	467	0.02	ng/ul#	85
27) Dibenzo(a,h)anthracene	25.81	278	418	0.02	ng/ul#	1
28) Benzo(g,h,i)perylene	26.48	276	332	0.01	ng/ul#	29

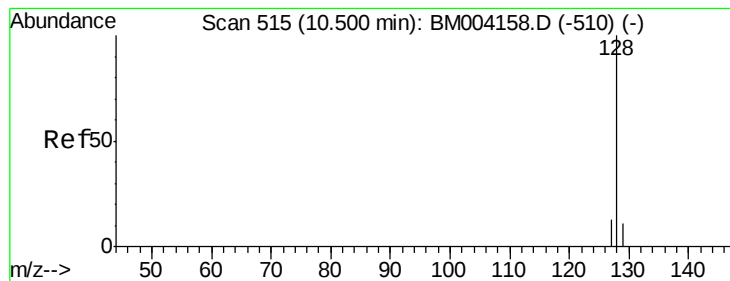
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. 0.01 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

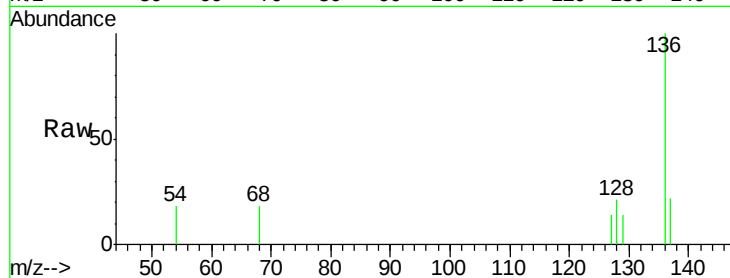
Tgt Ion:128 Resp: 84

Ion Ratio Lower Upper

128 100

129 68.8 9.0 13.6#

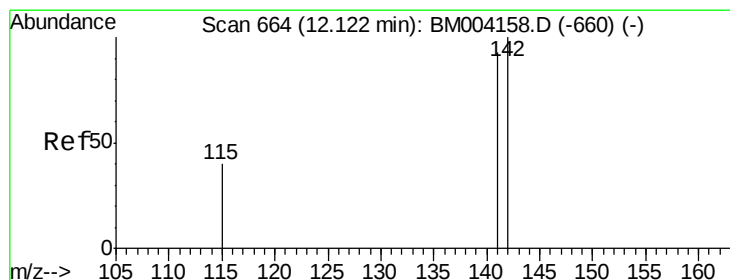
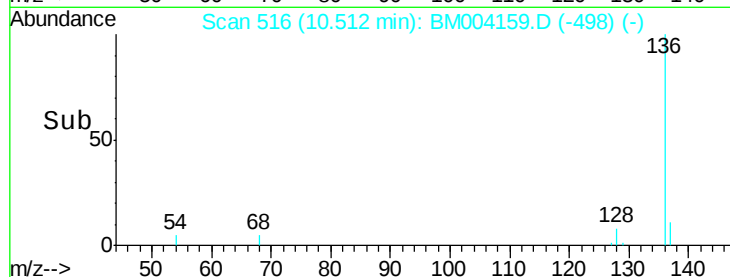
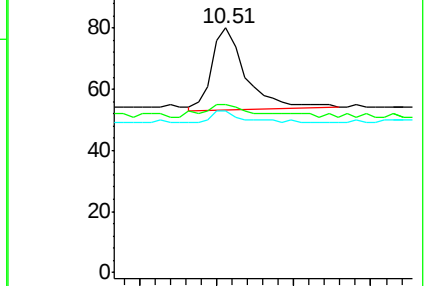
127 66.3 9.6 14.4#



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: 0.00 ng/ul

RT: 12.14 min Scan# 666

Delta R.T. 0.02 min

Lab File: BM004159.D

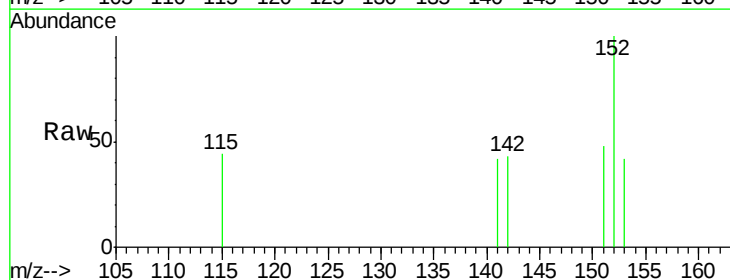
Acq: 01 Feb 2016 12:02

Tgt Ion:142 Resp: 47

Ion Ratio Lower Upper

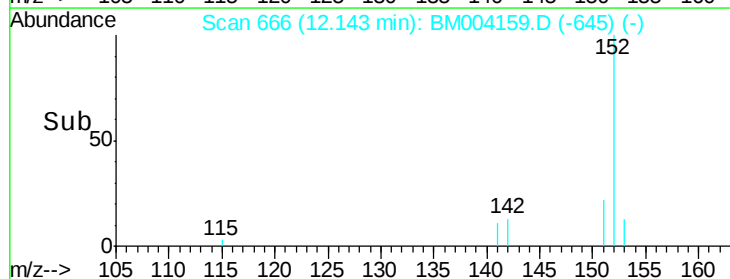
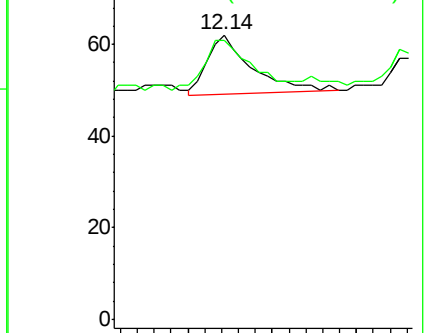
142 100

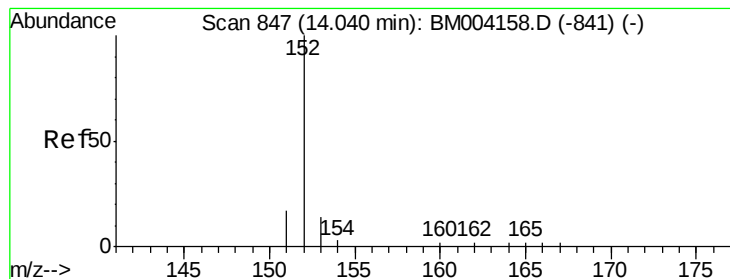
141 91.5 70.3 105.5



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: 14.04 min Scan# 847

Delta R.T. 0.00 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

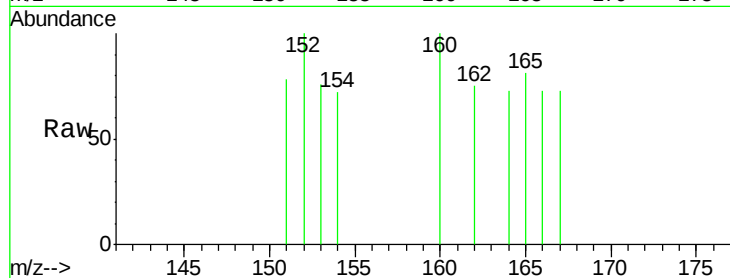
Tgt Ion:152 Resp: 42

Ion Ratio Lower Upper

152 100

151 77.6 17.6 26.4#

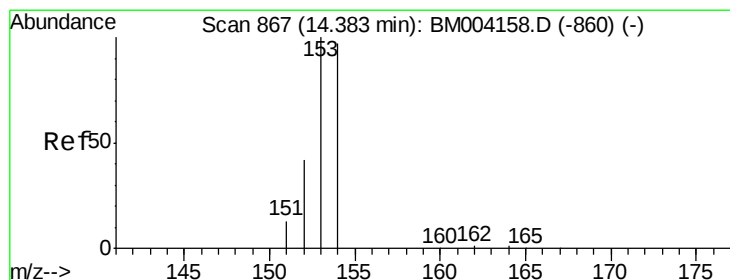
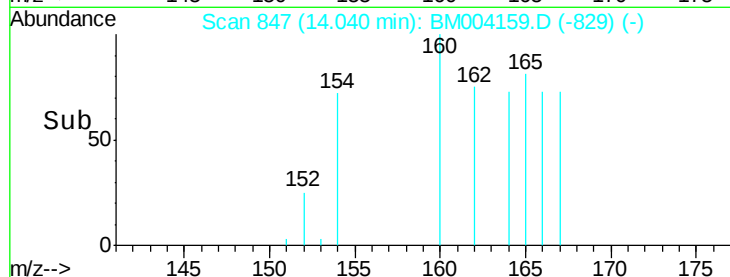
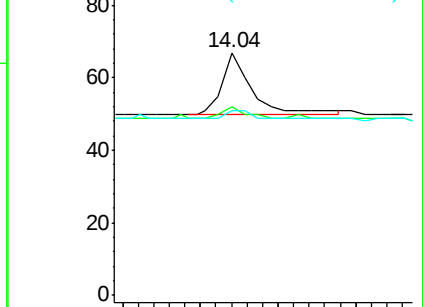
153 76.1 9.7 14.5#



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: 0.00 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

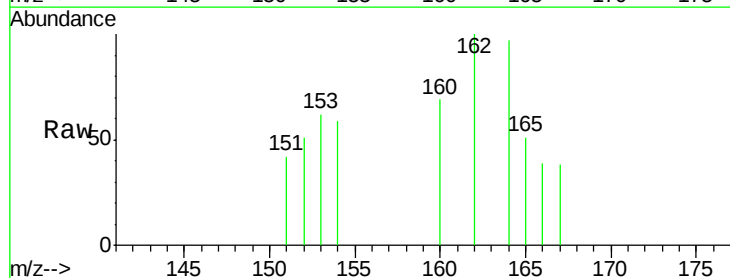
Tgt Ion:153 Resp: 62

Ion Ratio Lower Upper

153 100

152 82.1 33.9 50.9#

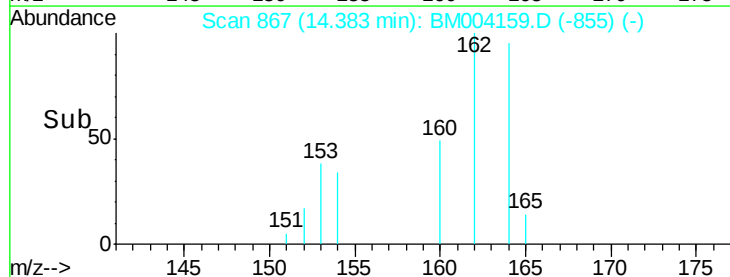
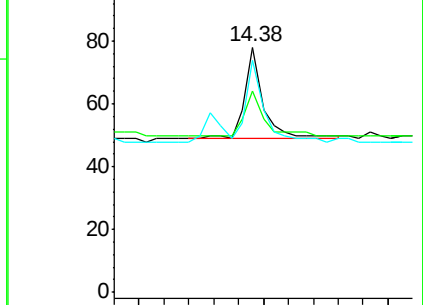
154 94.9 80.6 121.0

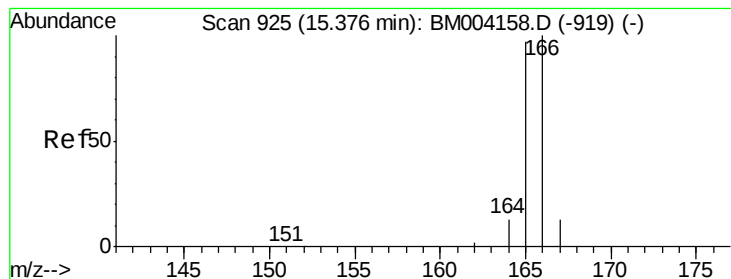


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.00 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.02 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

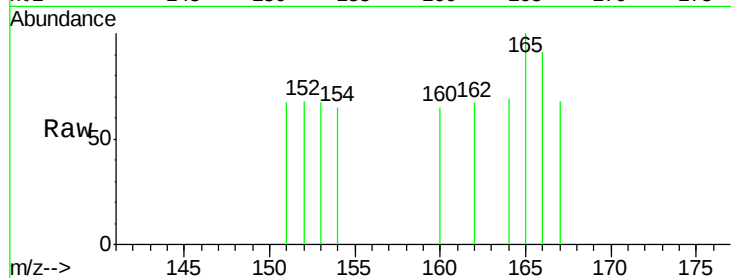
Tgt Ion:166 Resp: 65

Ion Ratio Lower Upper

166 100

165 110.3 69.6 104.4#

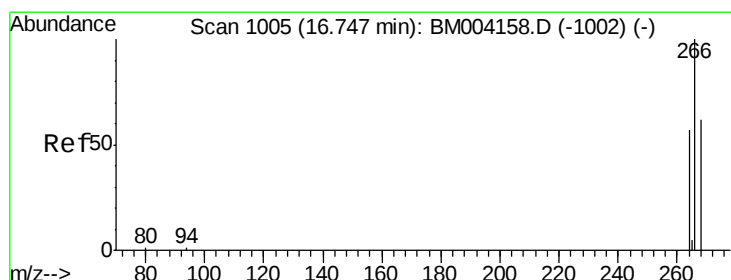
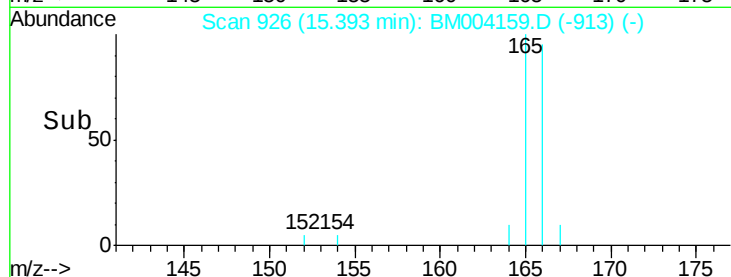
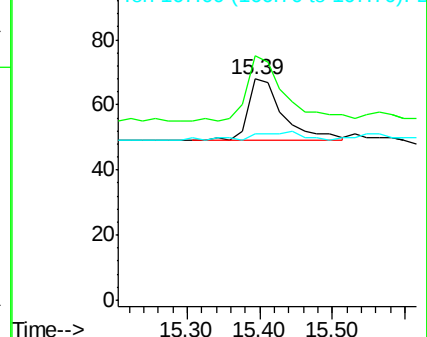
167 75.0 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.03 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

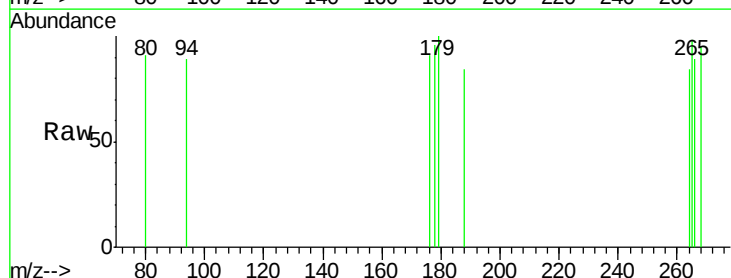
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 25.0 51.8 77.8#

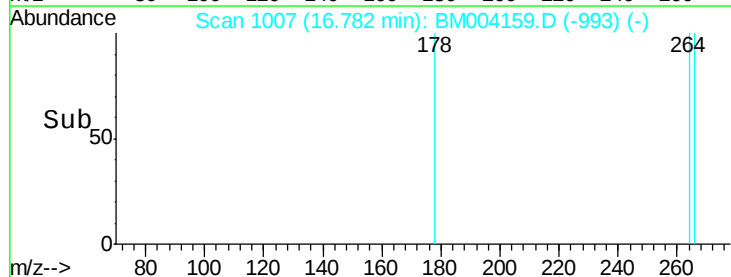
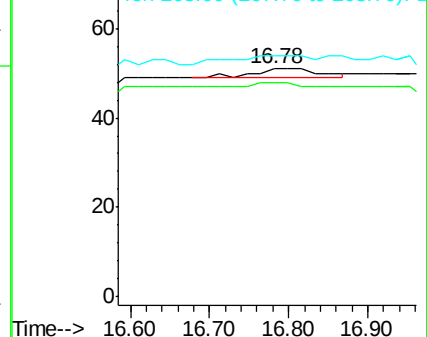
268 108.3 46.8 70.2#

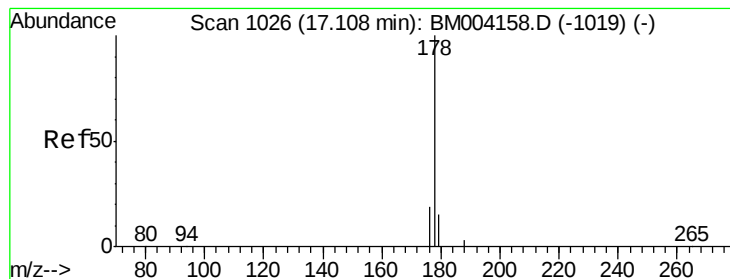


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.01 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

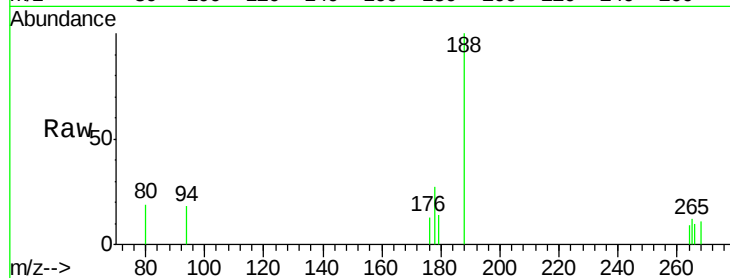
Tgt Ion:178 Resp: 200

Ion Ratio Lower Upper

178 100

176 50.0 13.0 19.4#

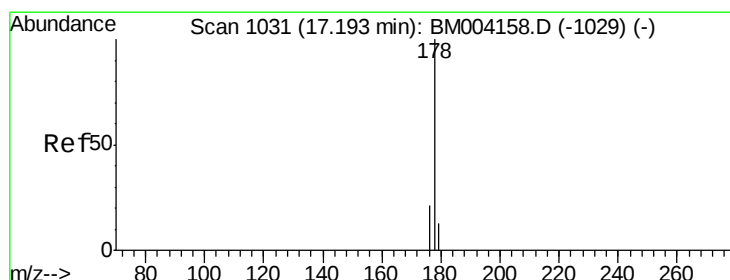
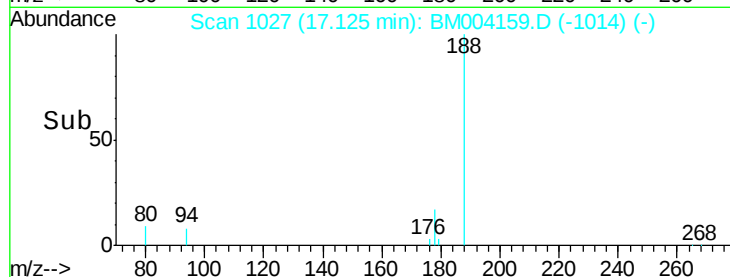
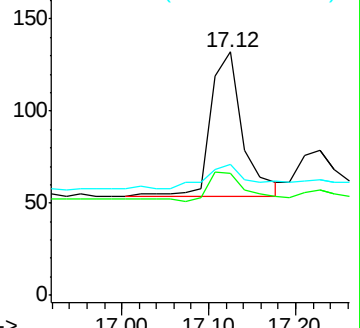
179 53.8 14.2 21.2#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.03 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

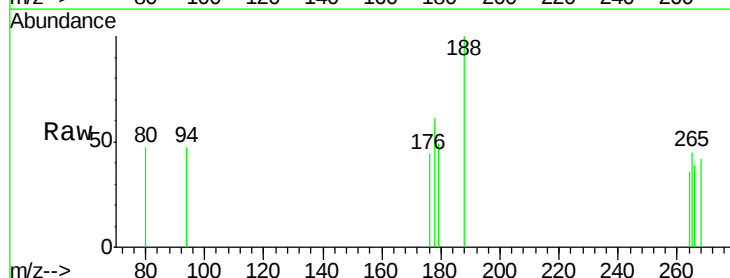
Tgt Ion:178 Resp: 70

Ion Ratio Lower Upper

178 100

176 72.2 14.0 21.0#

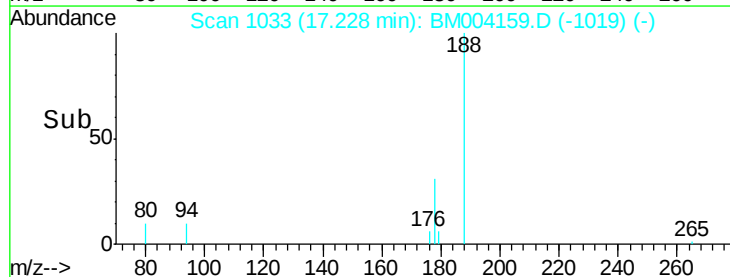
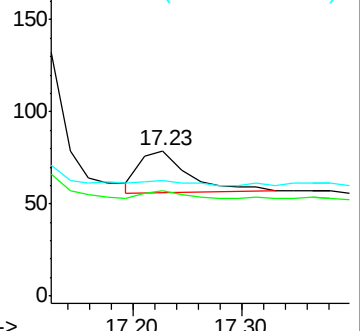
179 79.7 12.9 19.3#

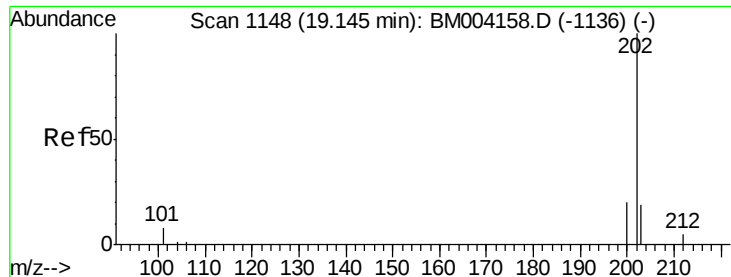


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

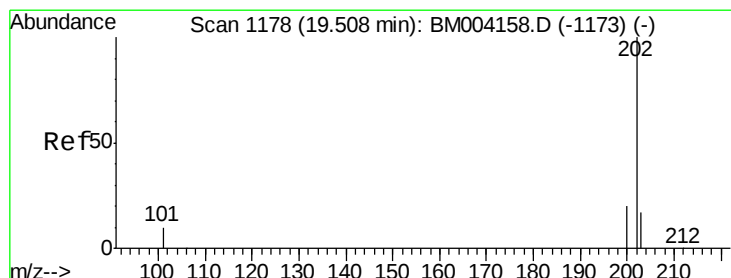
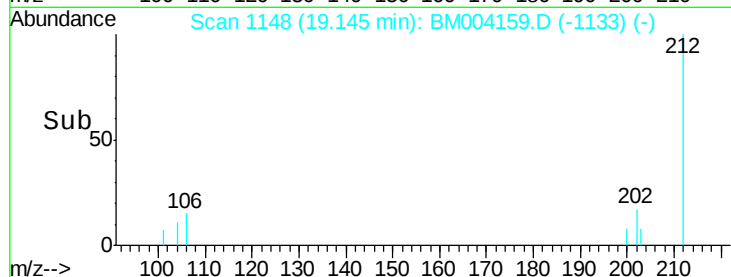
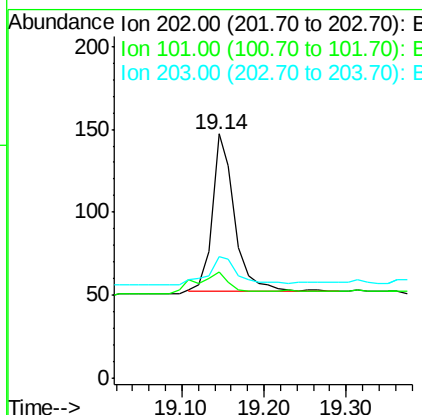
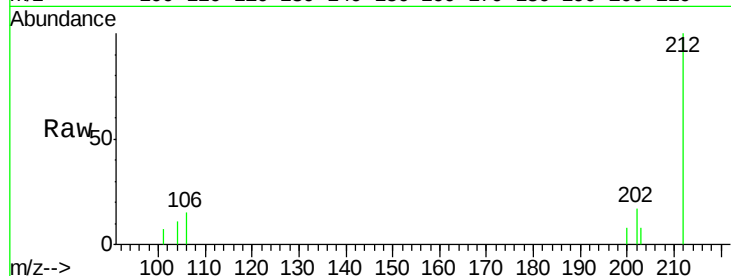




#17
Fluoranthene
 Concen: 0.01 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: BM004159.D
 Acq: 01 Feb 2016 12:02

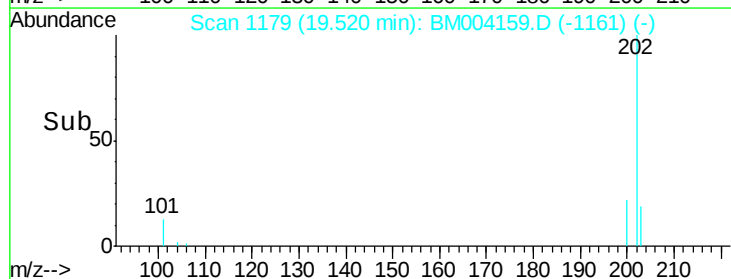
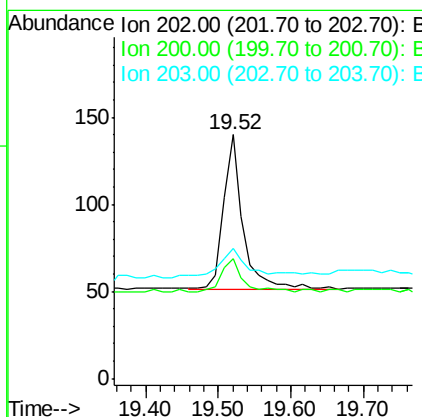
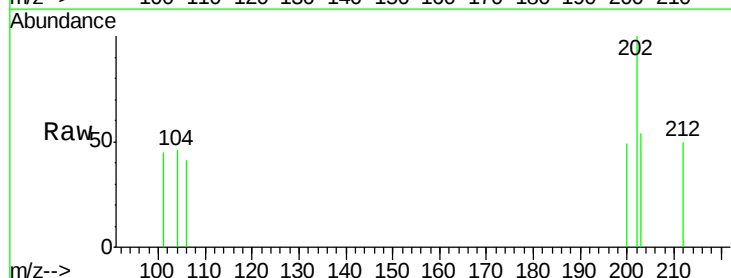
Instrument :
 BNA_M
 ClientSampleId :
 SBLK48

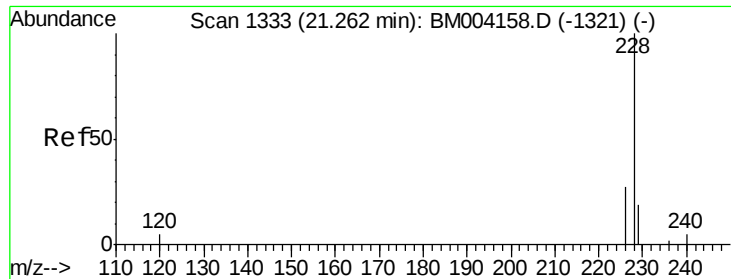
Tgt Ion: 202 Resp: 182
 Ion Ratio Lower Upper
 202 100
 101 43.5 0.0 29.6#
 203 49.7 0.0 36.3#



#19
Pyrene
 Concen: 0.01 ng/ul
 RT: 19.52 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BM004159.D
 Acq: 01 Feb 2016 12:02

Tgt Ion: 202 Resp: 172
 Ion Ratio Lower Upper
 202 100
 200 49.3 17.8 26.8#
 203 53.6 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. 0.02 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

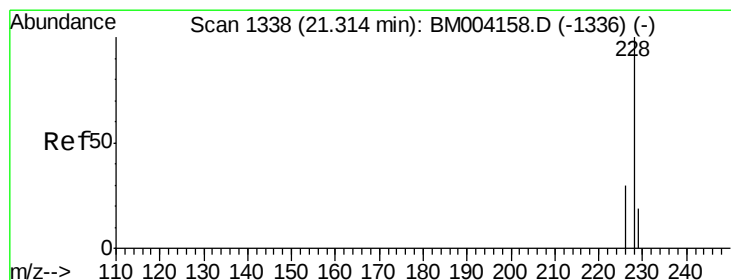
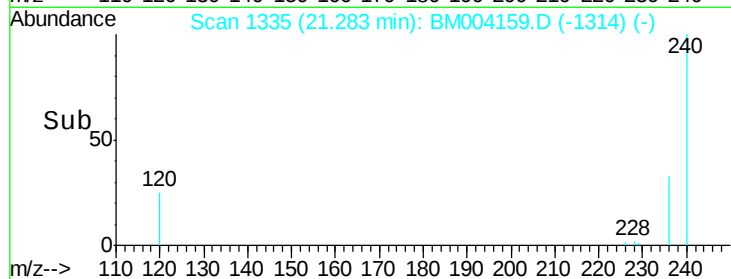
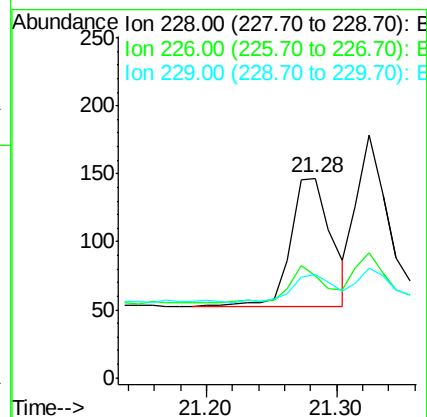
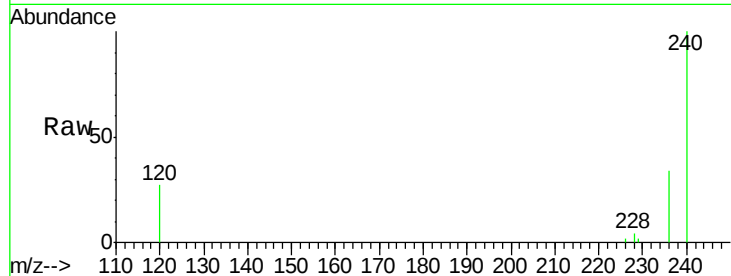
Tgt Ion:228 Resp: 206

Ion Ratio Lower Upper

228 100

226 51.0 18.8 28.2#

229 51.7 17.1 25.7#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. 0.01 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

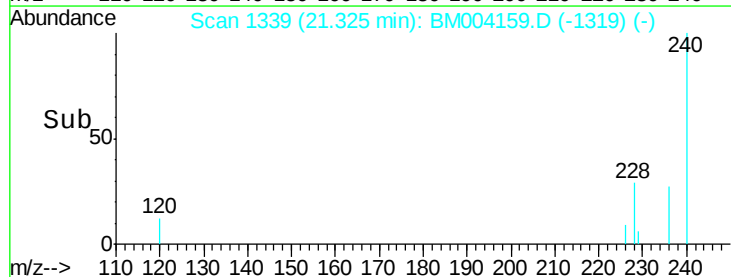
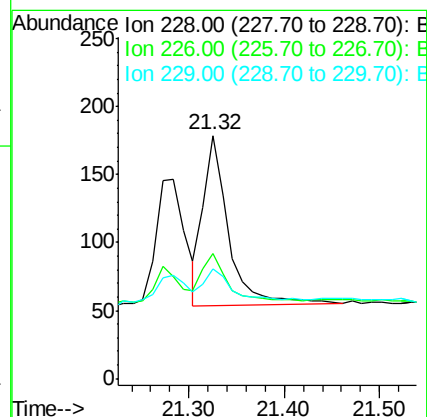
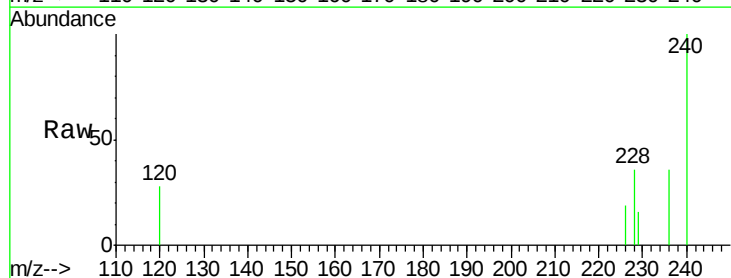
Tgt Ion:228 Resp: 233

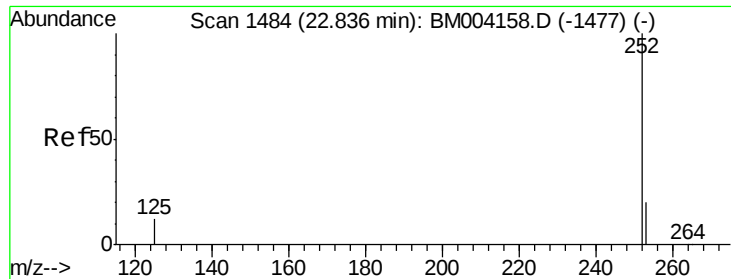
Ion Ratio Lower Upper

228 100

226 51.4 21.2 31.8#

229 45.3 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. 0.02 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

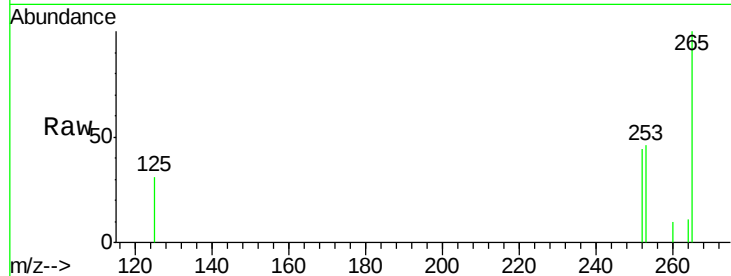
Tgt Ion: 252 Resp: 233

Ion Ratio Lower Upper

252 100

253 105.1 0.0 45.4#

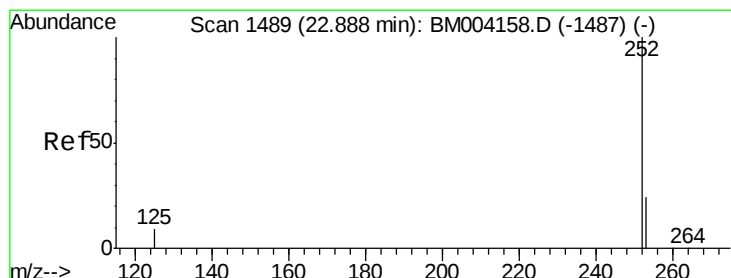
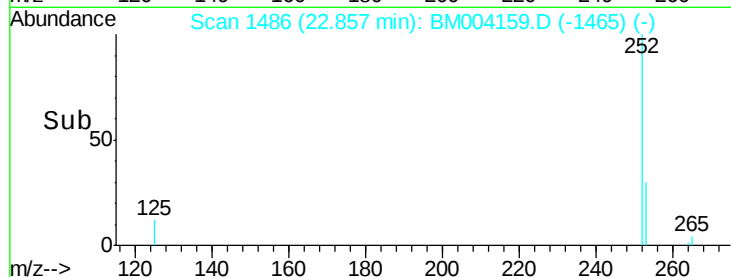
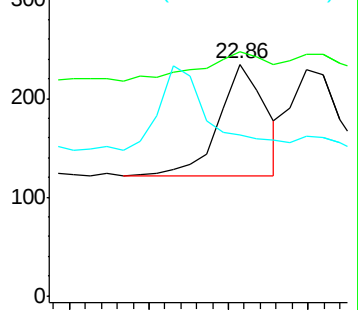
125 69.4 0.0 28.8#



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: 0.01 ng/ul

RT: 22.90 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

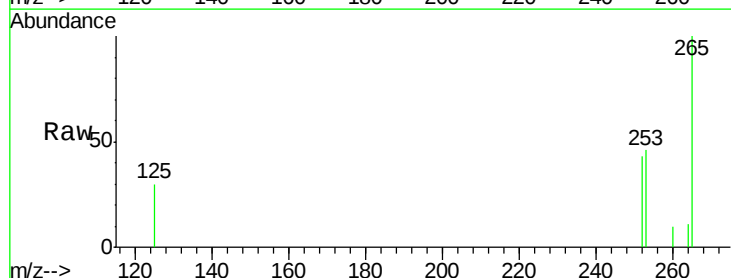
Tgt Ion: 252 Resp: 255

Ion Ratio Lower Upper

252 100

253 107.0 19.8 29.8#

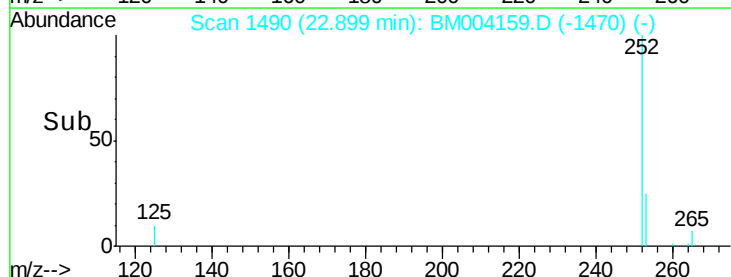
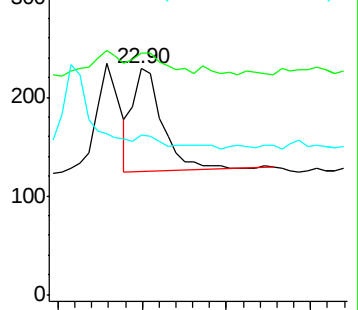
125 70.7 10.4 15.6#

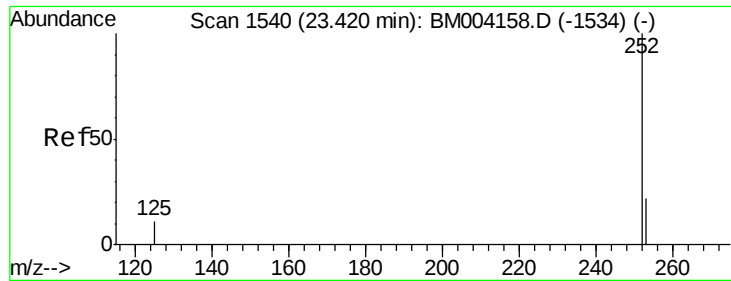


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.01 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. 0.01 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

Instrument :

BNA_M

ClientSampleId :

SBLK48

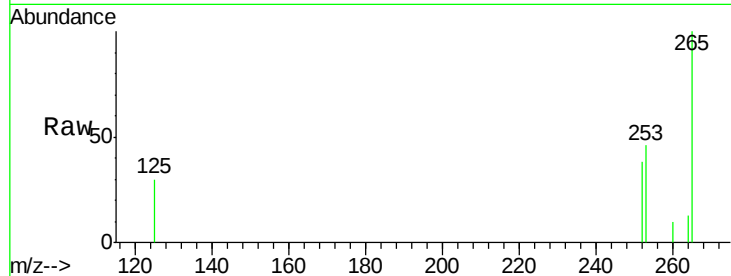
Tgt Ion: 252 Resp: 223

Ion Ratio Lower Upper

252 100

253 122.2 19.4 29.2#

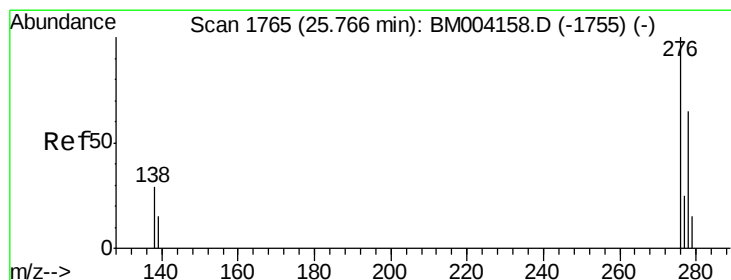
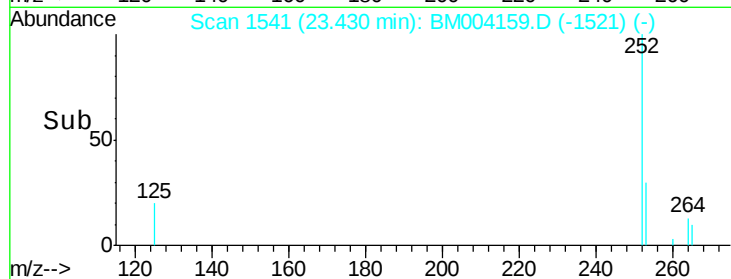
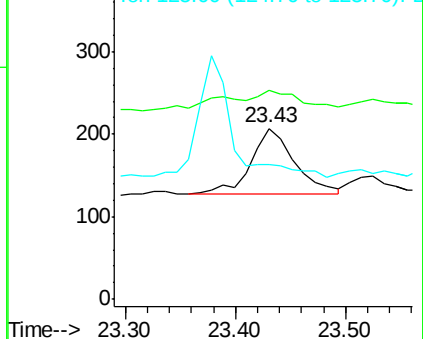
125 79.2 12.7 19.1#



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: 0.02 ng/ul

RT: 25.80 min Scan# 1768

Delta R.T. 0.03 min

Lab File: BM004159.D

Acq: 01 Feb 2016 12:02

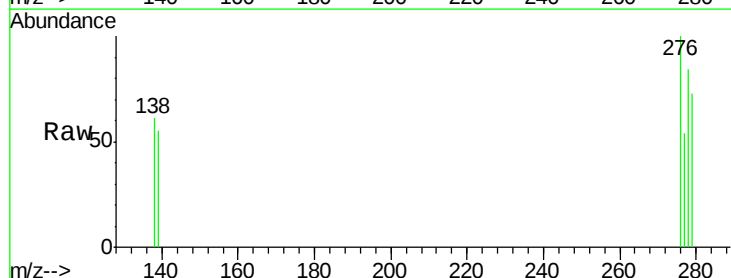
Tgt Ion: 276 Resp: 467

Ion Ratio Lower Upper

276 100

138 34.5 16.3 24.5#

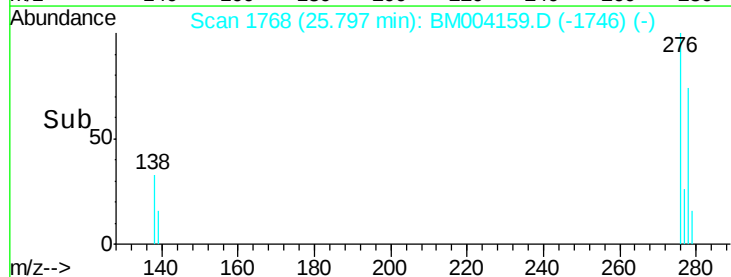
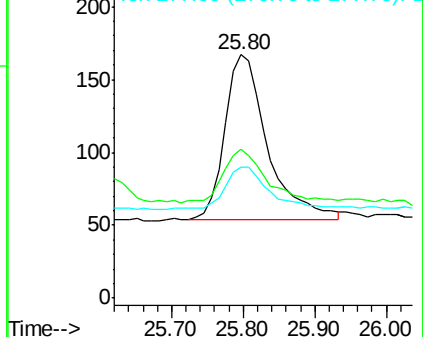
277 23.8 19.8 29.8

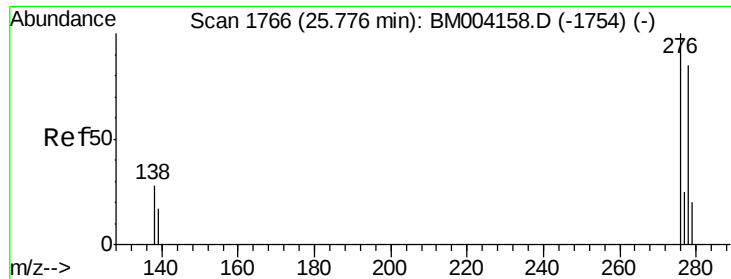


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

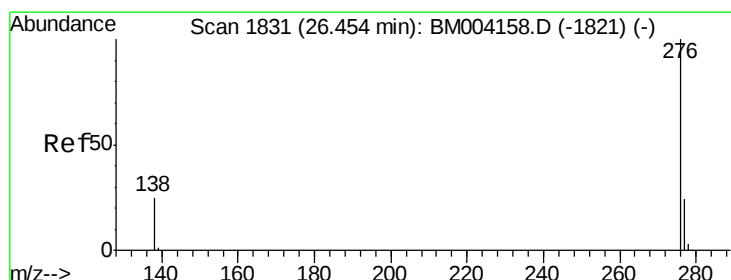
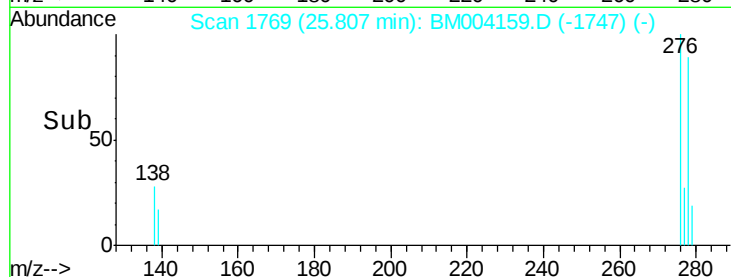
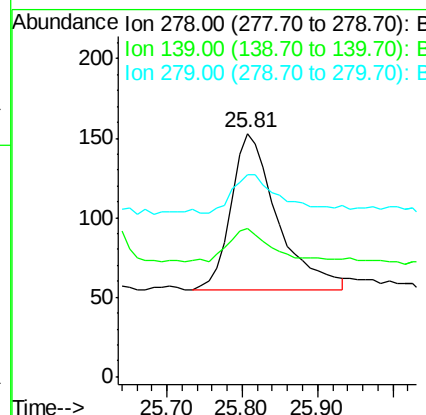
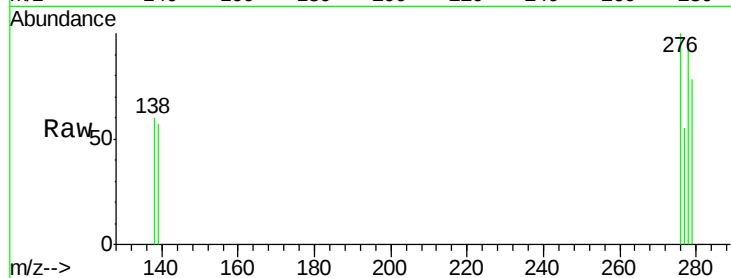




#27
Dibenzo(a,h)anthracene
Concen: 0.02 ng/ul
RT: 25.81 min Scan# 1769
Delta R.T. 0.03 min
Lab File: BM004159.D
Acq: 01 Feb 2016 12:02

Instrument :
BNA_M
ClientSampleId :
SBLK48

Tgt Ion: 278 Resp: 418
Ion Ratio Lower Upper
278 100
139 60.8 16.4 24.6#
279 83.0 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.48 min Scan# 1834
Delta R.T. 0.03 min
Lab File: BM004159.D
Acq: 01 Feb 2016 12:02

Tgt Ion: 276 Resp: 332
Ion Ratio Lower Upper
276 100
277 60.0 18.9 28.3#
138 64.4 22.5 33.7#

