

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010506.D
 Acq On : 11 Jun 2017 03:34
 Operator : SJ/MA
 Sample : I3558-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C89

Quant Time: Jun 12 07:11:54 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 07:08:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	135897	20.00	ng/ul	0.00
18) Naphthalene-d8	10.70	136	486233	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	340834	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.28	188	926993	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1449176	20.00	ng/ul	0.00
83) Perylene-d12	23.78	264	1473518	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	17295	5.22	ng/uL	0.00
5) Phenol-d5	7.08	99	292759	28.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	161458	27.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	248537	30.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	249877	30.07	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	113982	32.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	146015	35.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	303387	35.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	304061	37.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	1105470	39.04	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	1186672	35.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	158949	37.52	ng/ul	0.00
57) Fluorene-d10	15.52	176	966286	38.82	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	209255	31.87	ng/ul	0.00
70) Anthracene-d10	17.28	188	926993	20.55	ng/ul	-0.10
76) Pyrene-d10	19.67	212	2268300	37.85	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.63	264	2511239	36.60	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.10	94	30299	2.870 ng/ul#	83
21) Isophorone	9.79	82	25986	1.660 ng/ul#	73
24) 2,4-Dimethylphenol	9.87	107	15409	1.515 ng/ul#	75
28) Naphthalene	10.75	128	4911542	201.391 ng/ul	99
30) 4-Chloroaniline	10.75	127	665569	84.330 ng/ul#	27
34) 2-Methylnaphthalene	12.35	142	875516	47.349 ng/ul	96
40) 1,1'-Biphenyl	13.36	154	229108	8.286 ng/ul	99
44) Dimethylphthalate	13.99	163	465901	16.729 ng/ul	100
47) Acenaphthylene	14.26	152	43049	1.333 ng/ul#	92
49) Acenaphthene	14.59	153	734656	32.448 ng/ul	99
53) Dibenzofuran	14.93	168	979763	29.265 ng/ul	96
58) Fluorene	15.58	166	920022	33.501 ng/ul	99
69) Phenanthrene	17.32	178	4746021	95.903 ng/ul	99
71) Anthracene	17.41	178	1262175	24.431 ng/ul	96
72) Carbazole	17.70	167	1184976	27.098 ng/ul	97
74) Fluoranthene	19.33	202	3165745	52.020 ng/ul#	96
77) Pyrene	19.70	202	2002973	26.822 ng/ul#	94
80) Benzo(a)anthracene	21.43	228	719675	8.806 ng/ul	97
82) Chrysene	21.48	228	520701	7.049 ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	338344	3.946 ng/ul	98
86) Benzo(k)fluoranthene	23.06	252	338344	4.131 ng/ul	96
88) Benzo(a)pyrene	23.67	252	229460	2.700 ng/ul	95

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Response via : Initial Calibration

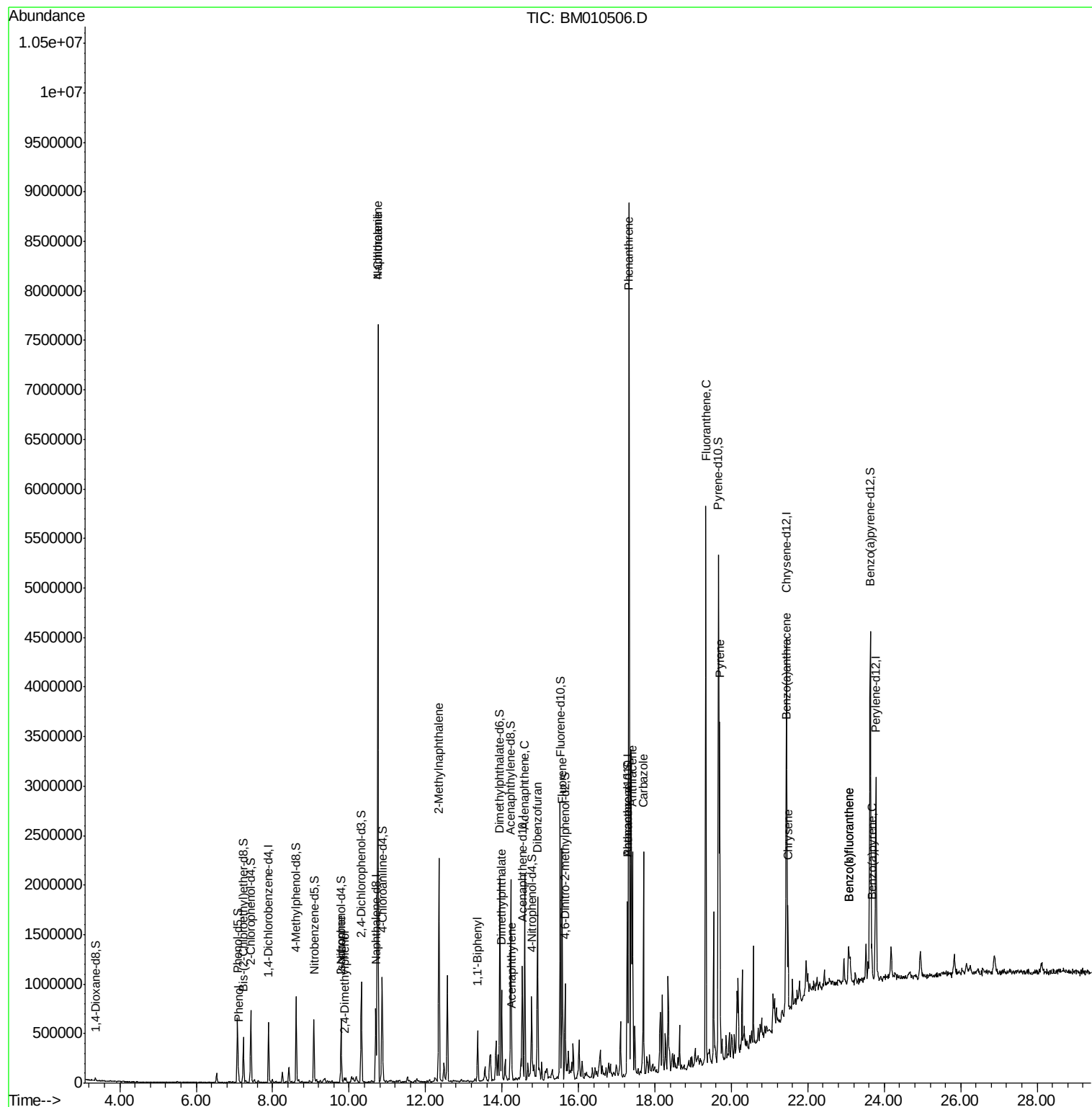
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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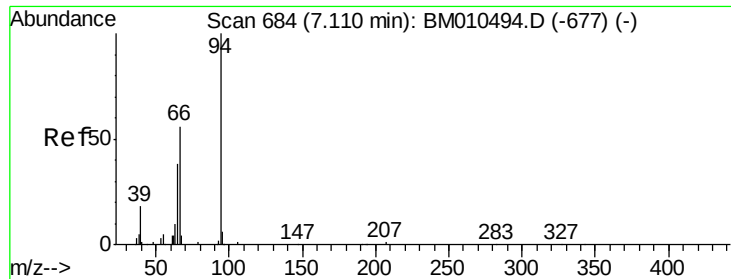
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.870 ng/ul

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

F5C89

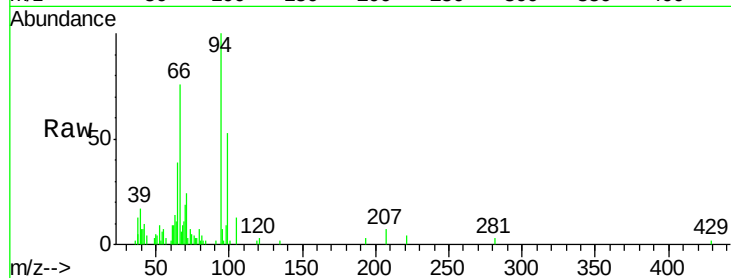
Tgt Ion: 94 Resp: 30299

Ion Ratio Lower Upper

94 100

65 39.0 28.2 42.4

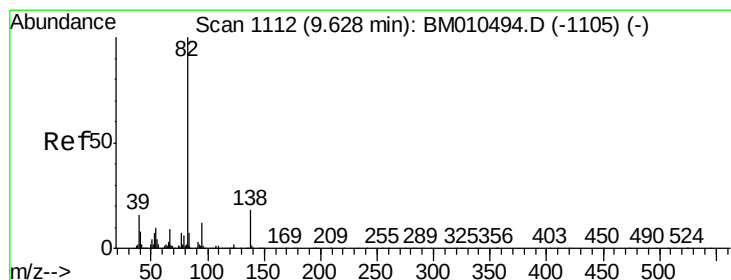
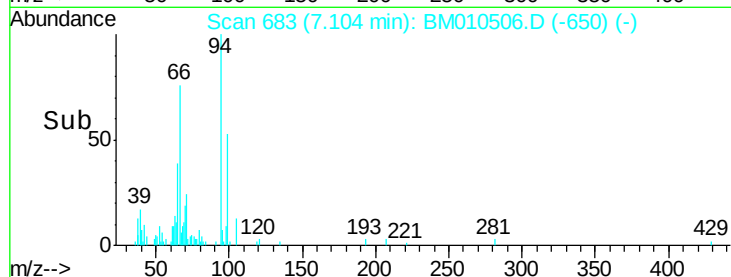
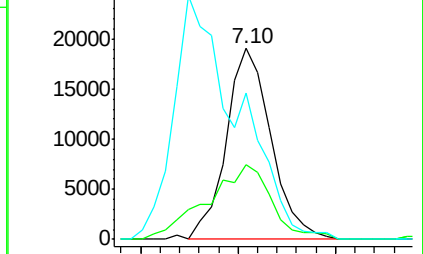
66 76.4 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM010506.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM010506.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM010506.D (-650) (-)



#21

Isophorone

Concen: 1.660 ng/ul

RT: 9.79 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

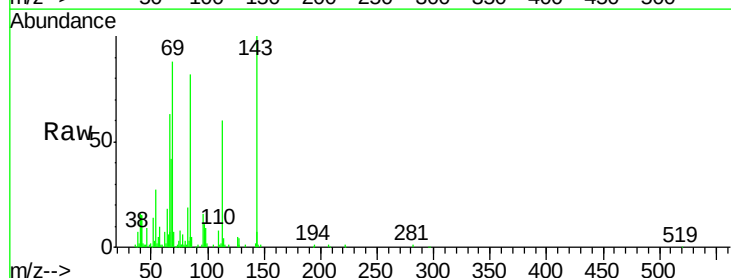
Tgt Ion: 82 Resp: 25986

Ion Ratio Lower Upper

82 100

95 4.8 7.8 11.8#

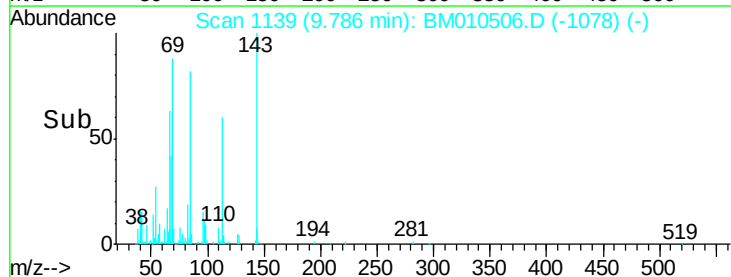
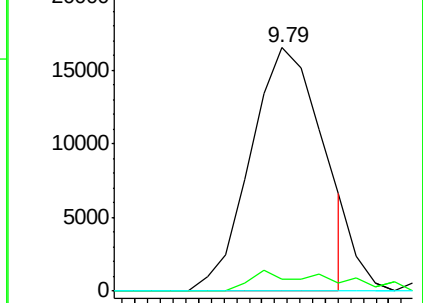
138 0.0 11.9 17.9#

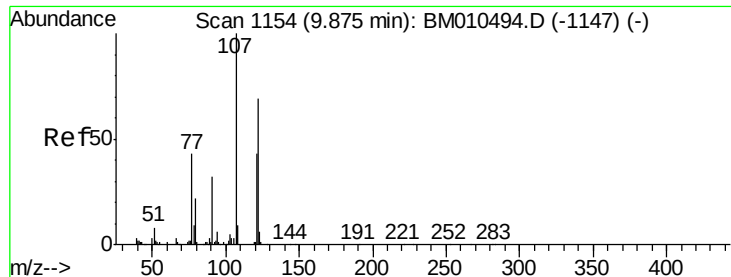


Abundance Ion 82.00 (81.70 to 82.70): BM010506.D (-1078) (-)

Ion 95.00 (94.70 to 95.70): BM010506.D (-1078) (-)

Ion 138.00 (137.70 to 138.70): BM010506.D (-1078) (-)





#24

2,4-Dimethylphenol

Concen: 1.515 ng/ul

RT: 9.87 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampled :

F5C89

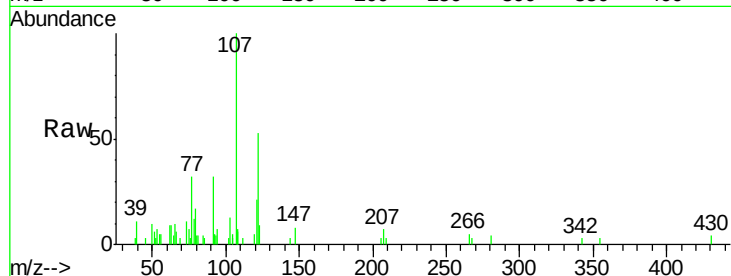
Tgt Ion:107 Resp: 15409

Ion Ratio Lower Upper

107 100

121 21.4 31.9 47.9#

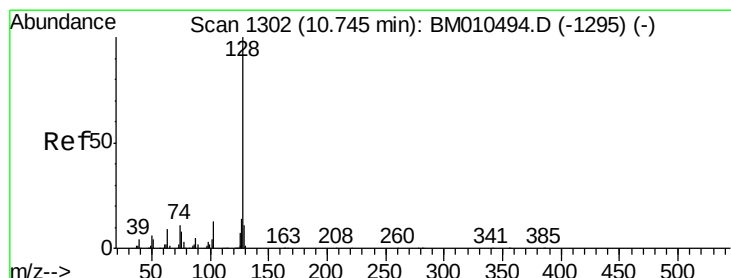
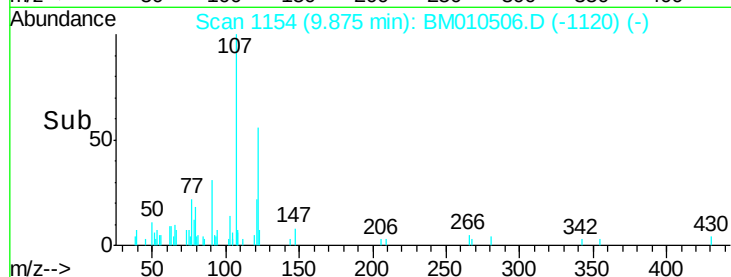
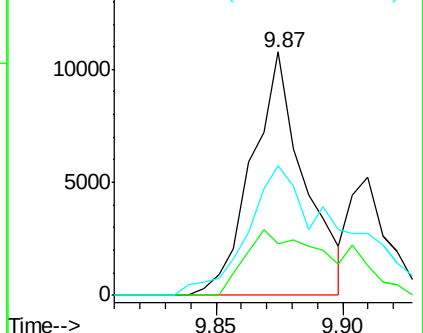
122 53.4 57.8 86.6#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 201.391 ng/ul

RT: 10.75 min Scan# 1303

Delta R.T. 0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

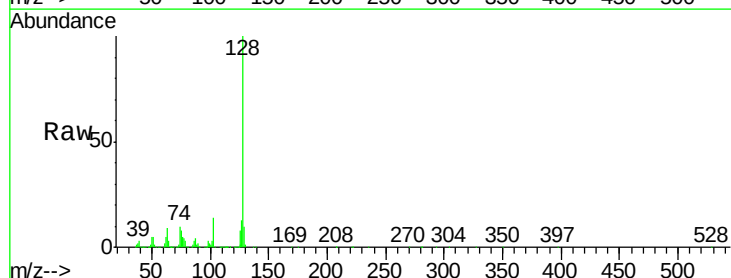
Tgt Ion:128 Resp: 4911542

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

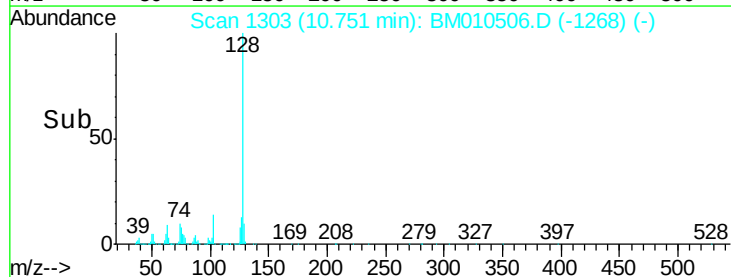
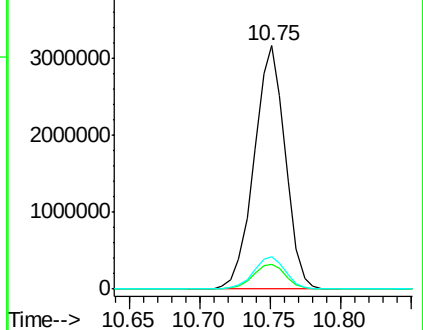
127 13.1 10.6 16.0

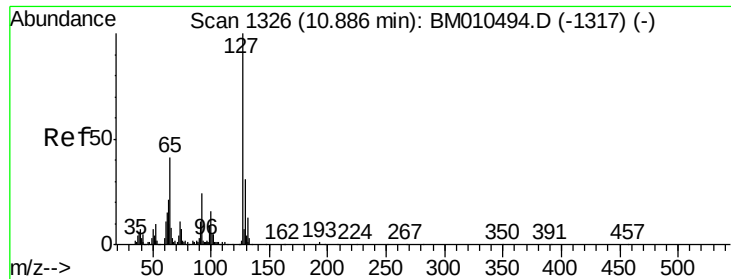


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#30

4-Chloroaniline

Concen: 84.330 ng/ul

RT: 10.75 min Scan# 1303

Delta R.T. -0.14 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

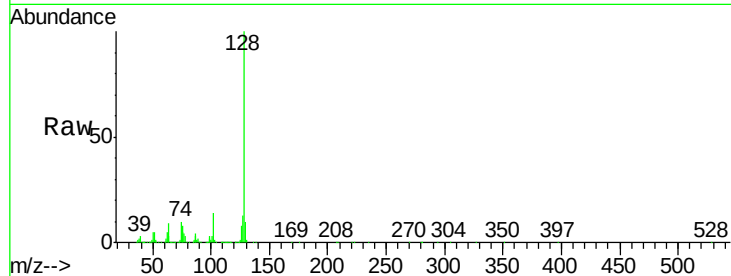
F5C89

Tgt Ion:127 Resp: 665569

Ion Ratio Lower Upper

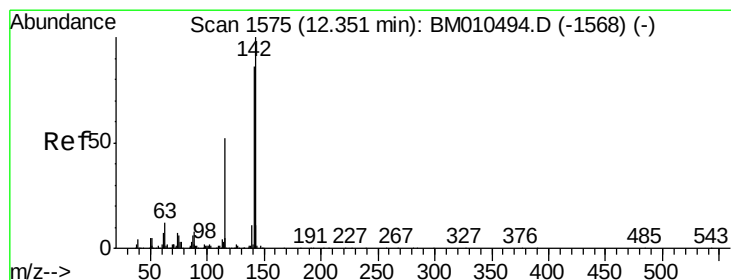
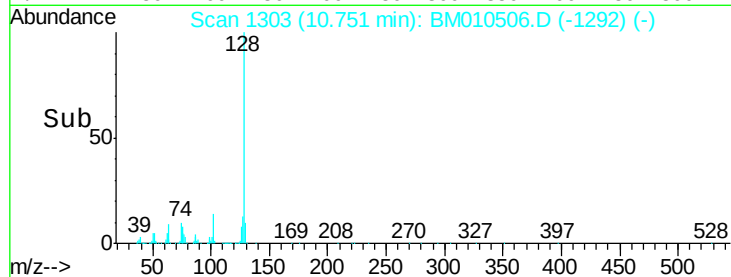
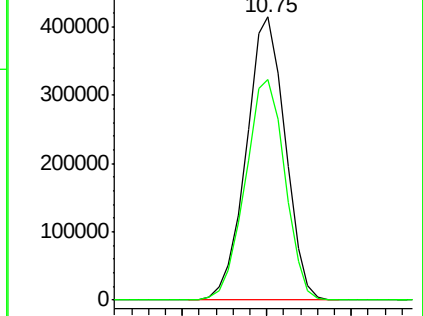
127 100

129 78.2 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



#34

2-Methylnaphthalene

Concen: 47.349 ng/ul

RT: 12.35 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BM010506.D

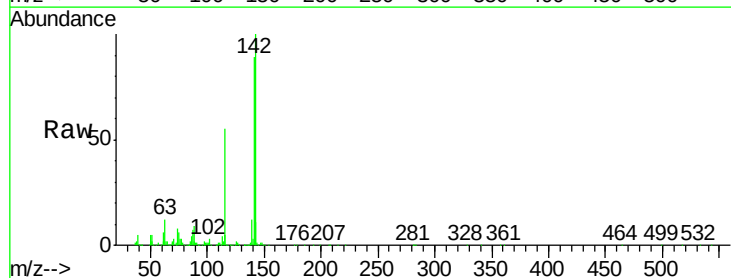
Acq: 11 Jun 2017 03:34

Tgt Ion:142 Resp: 875516

Ion Ratio Lower Upper

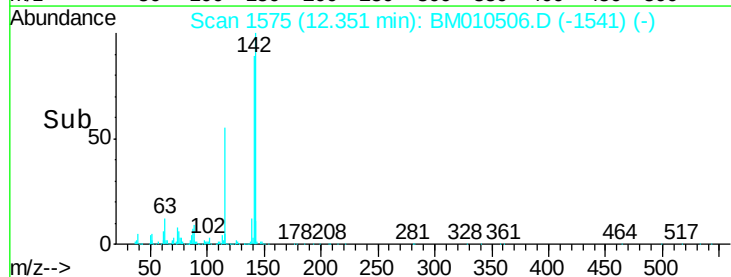
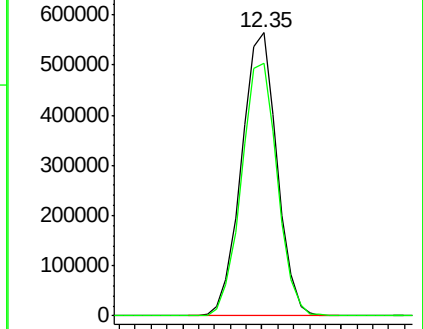
142 100

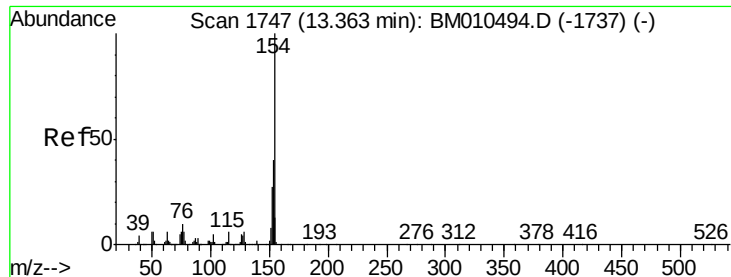
141 89.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

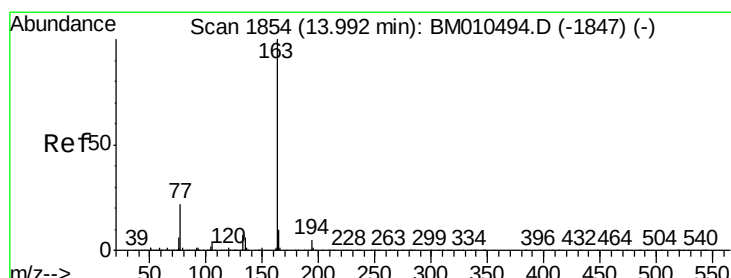
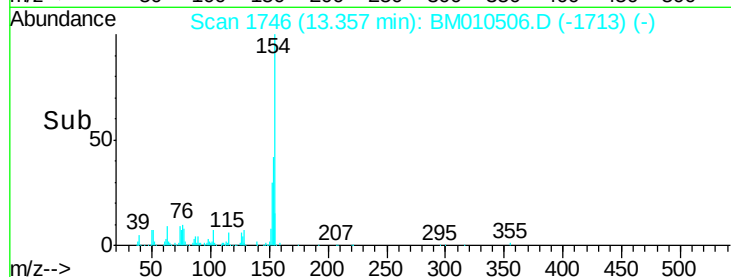
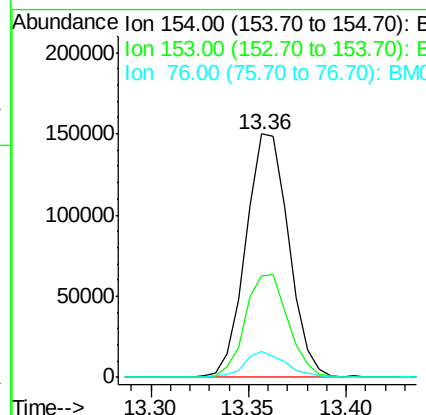
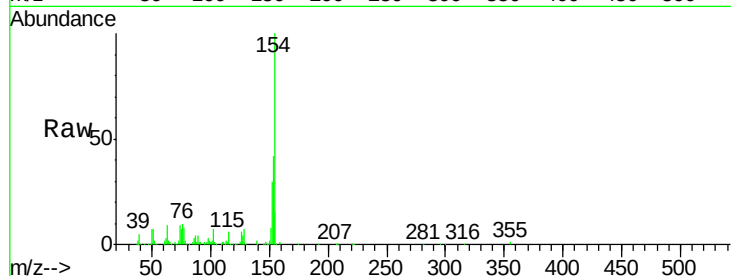




#40
1,1'-Biphenyl
Concen: 8.286 ng/ul
RT: 13.36 min Scan# 1746
Delta R.T. -0.01 min
Lab File: BM010506.D
Acq: 11 Jun 2017 03:34

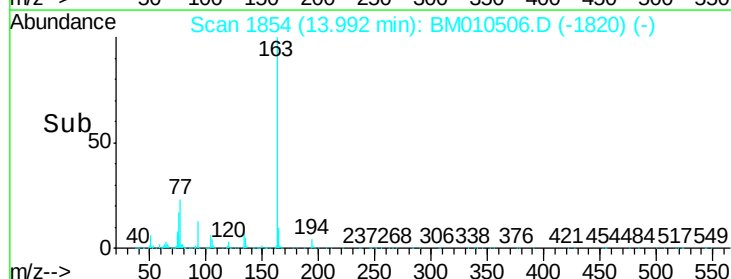
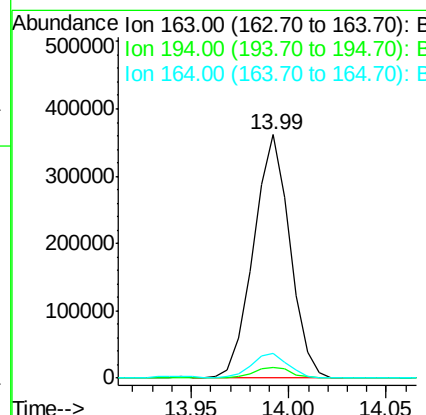
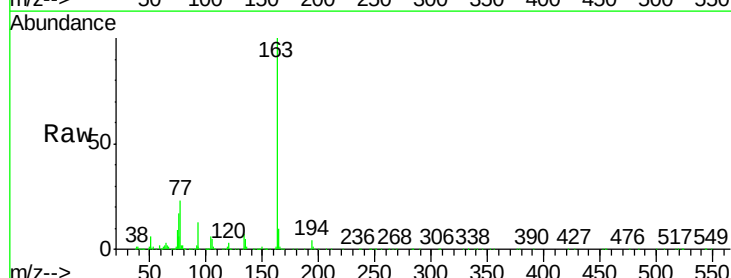
Instrument :
BNA_M
ClientSampleId :
F5C89

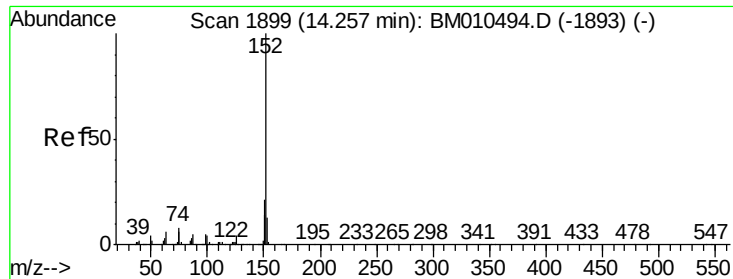
Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.6	48.8
76	10.5	8.5	12.7



#44
Dimethylphthalate
Concen: 16.729 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM010506.D
Acq: 11 Jun 2017 03:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.1	8.2	12.4





#47

Acenaphthylene

Concen: 1.333 ng/ul

RT: 14.26 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

F5C89

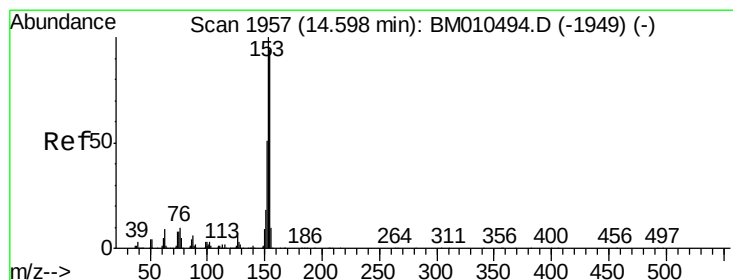
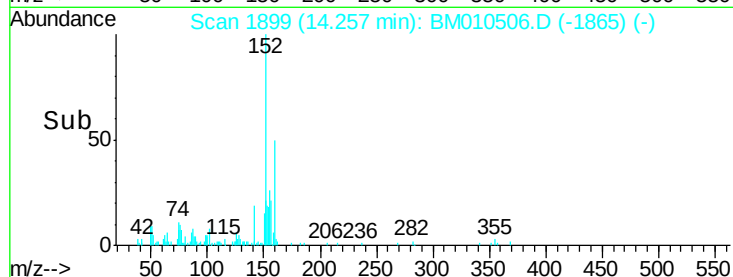
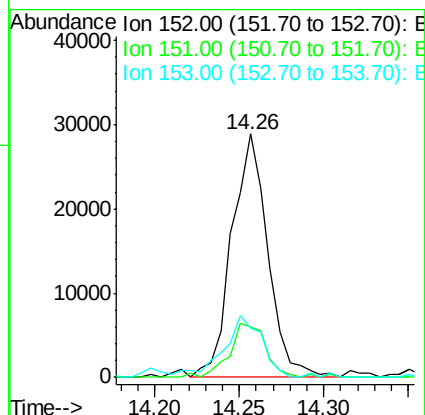
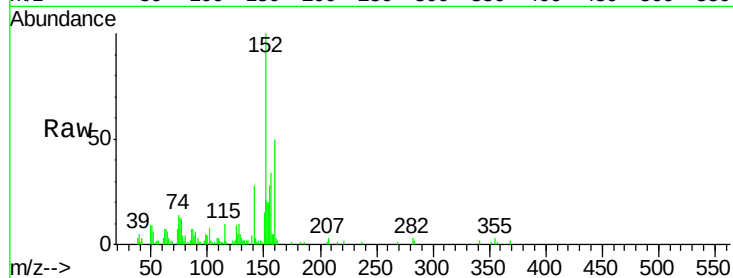
Tgt Ion:152 Resp: 43049

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

153 20.2 10.2 15.4#



#49

Acenaphthene

Concen: 32.448 ng/ul

RT: 14.59 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

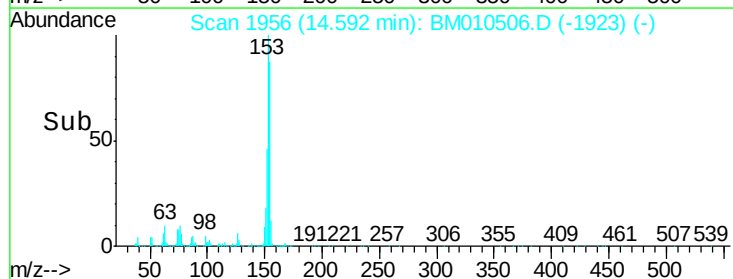
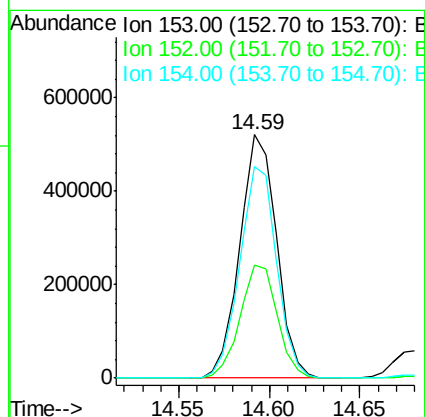
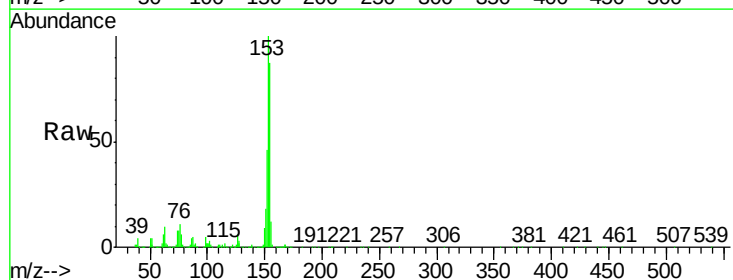
Tgt Ion:153 Resp: 734656

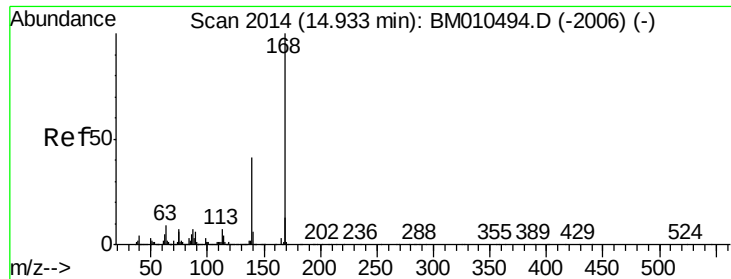
Ion Ratio Lower Upper

153 100

152 46.3 37.6 56.4

154 87.0 70.4 105.6





#53

Dibenzenofuran

Concen: 29.265 ng/ul

RT: 14.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

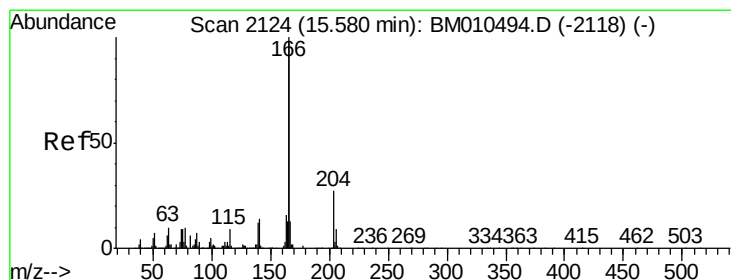
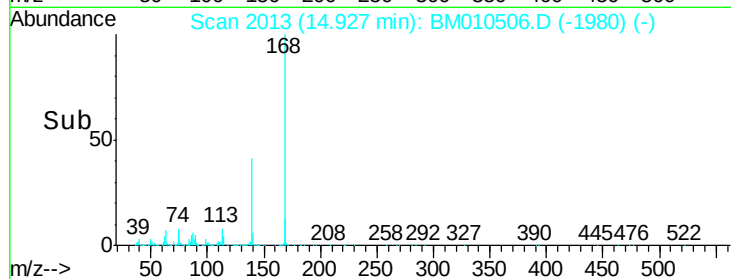
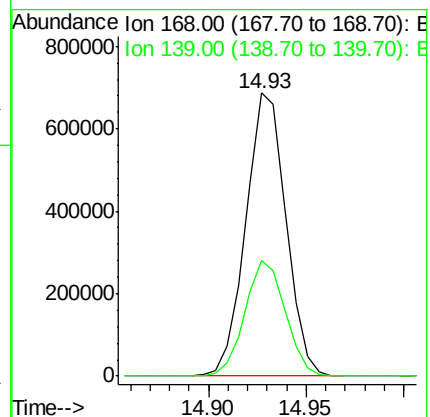
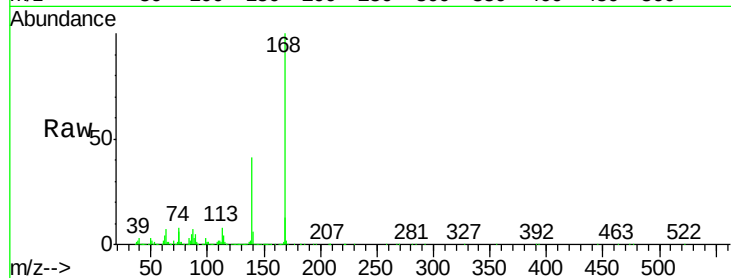
F5C89

Tgt Ion:168 Resp: 979763

Ion Ratio Lower Upper

168 100

139 40.9 30.8 46.2



#58

Fluorene

Concen: 33.501 ng/ul

RT: 15.58 min Scan# 2124

Delta R.T. 0.00 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

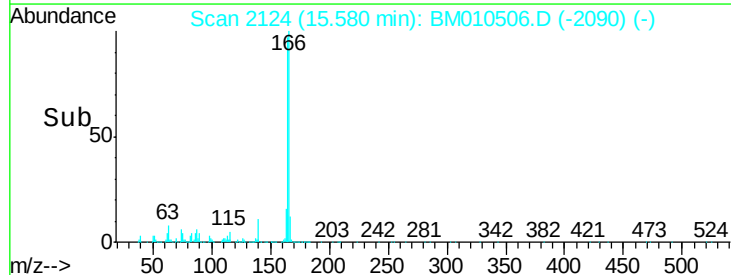
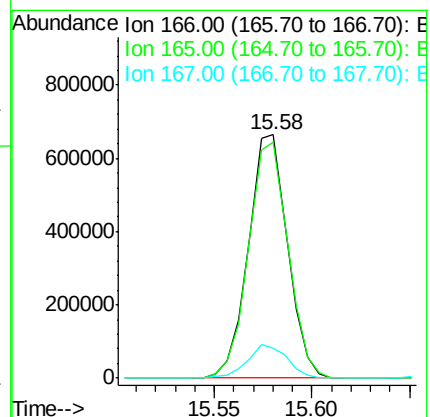
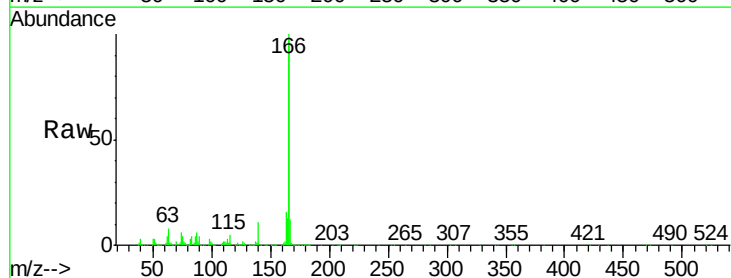
Tgt Ion:166 Resp: 920022

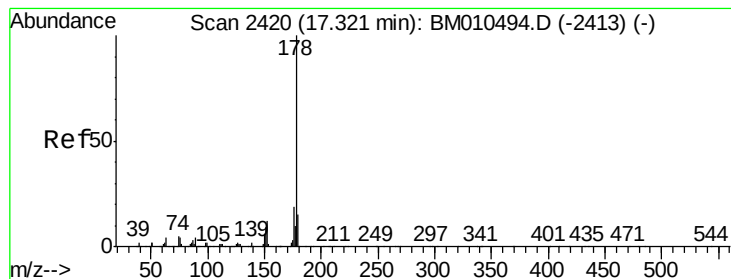
Ion Ratio Lower Upper

166 100

165 97.1 77.9 116.9

167 12.4 10.6 16.0





#69

Phenanthrene

Concen: 95.903 ng/ul

RT: 17.32 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

F5C89

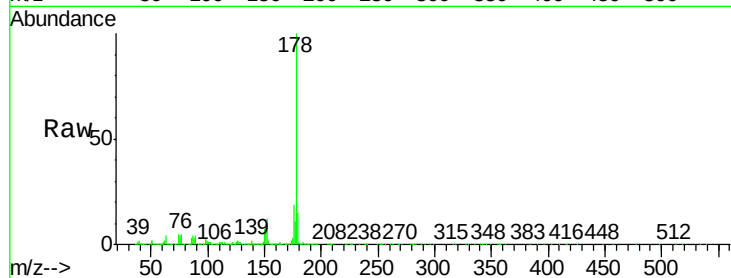
Tgt Ion:178 Resp: 4746021

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

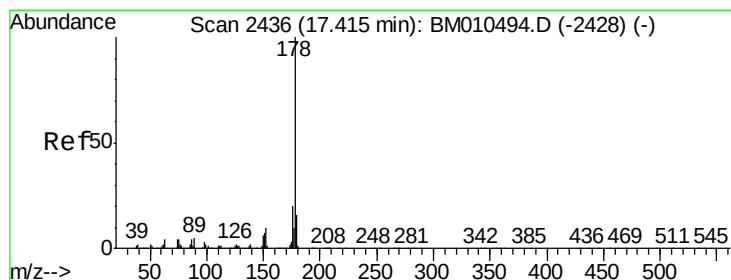
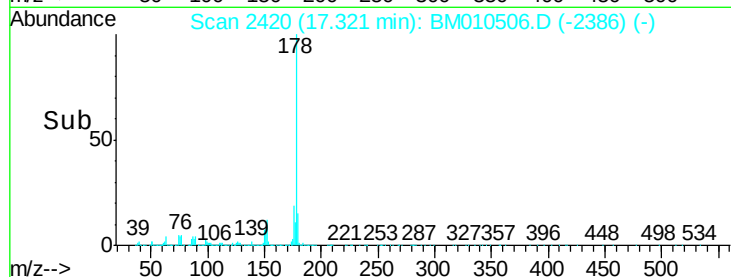
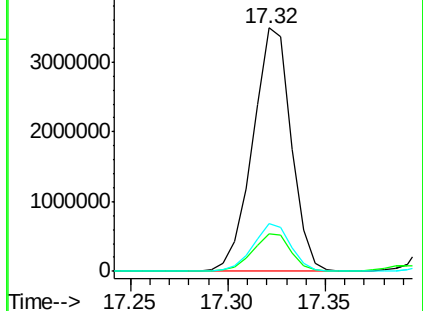
176 19.5 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 24.431 ng/ul

RT: 17.41 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

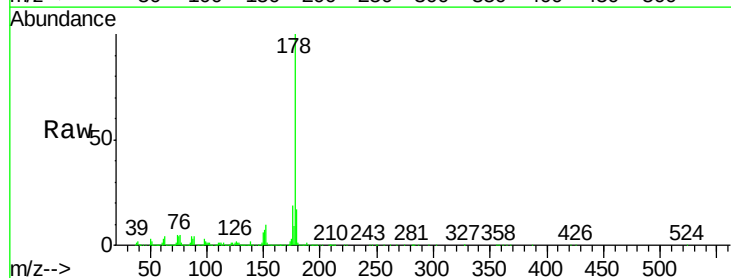
Tgt Ion:178 Resp: 1262175

Ion Ratio Lower Upper

178 100

179 17.2 11.7 17.5

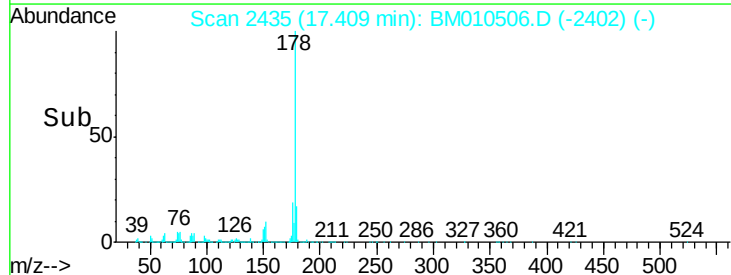
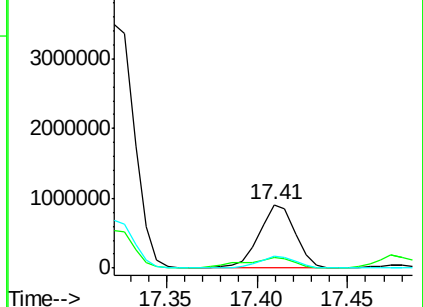
176 19.3 14.6 21.8

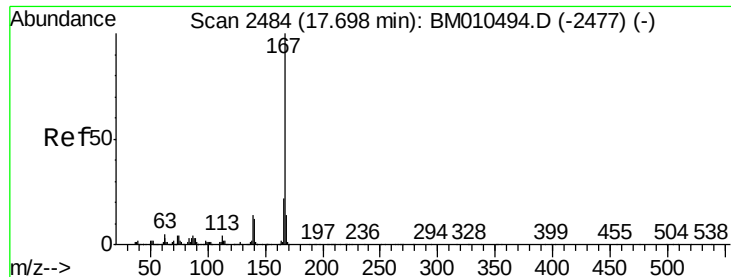


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 27.098 ng/ul

RT: 17.70 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

F5C89

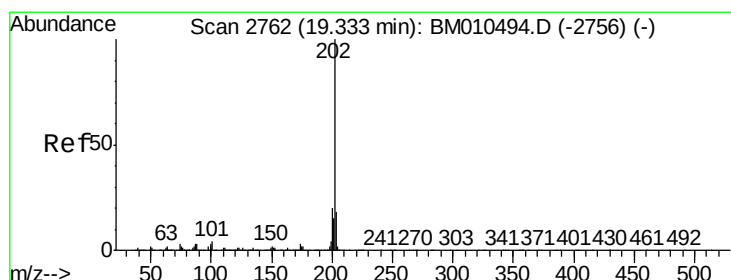
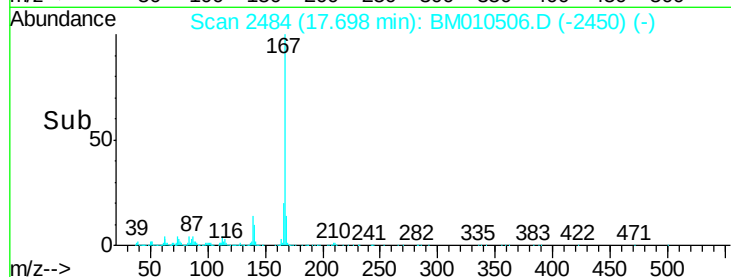
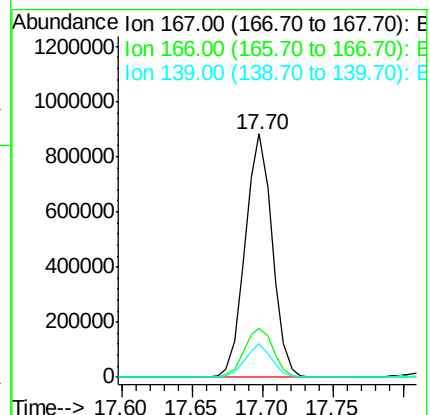
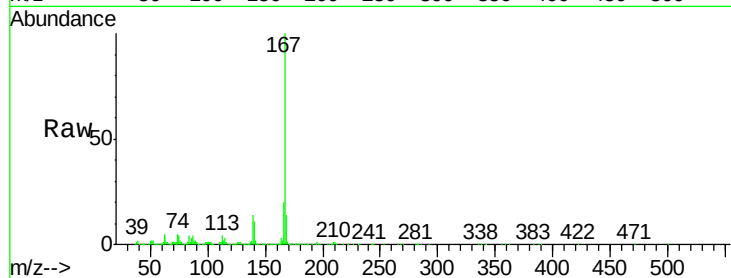
Tgt Ion:167 Resp: 1184976

Ion Ratio Lower Upper

167 100

166 20.4 17.1 25.7

139 14.1 10.0 15.0



#74

Fluoranthene

Concen: 52.020 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

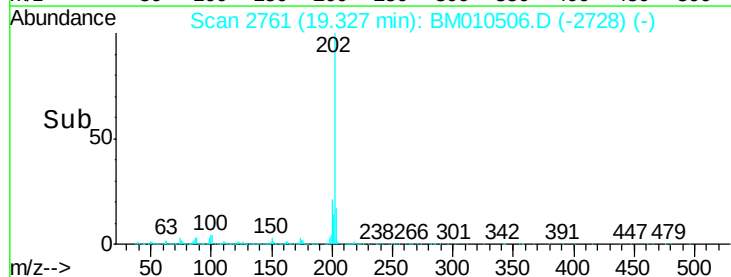
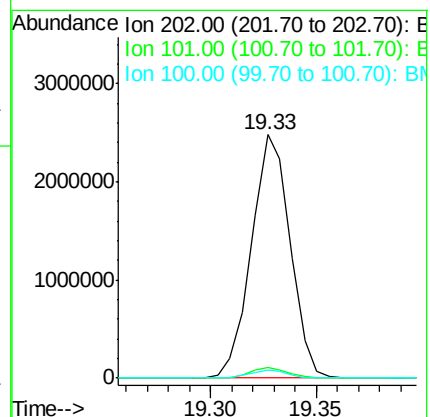
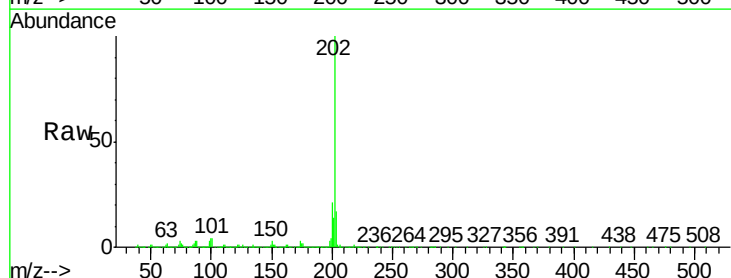
Tgt Ion:202 Resp: 3165745

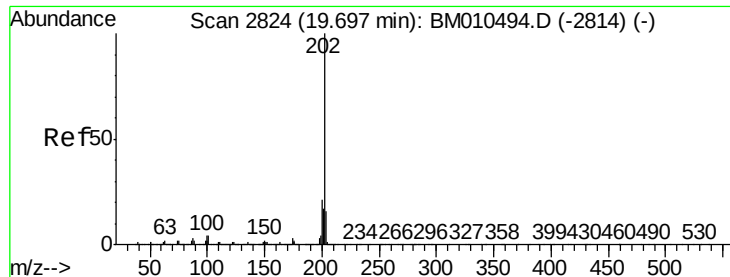
Ion Ratio Lower Upper

202 100

101 4.2 4.6 7.0#

100 3.6 3.4 5.2

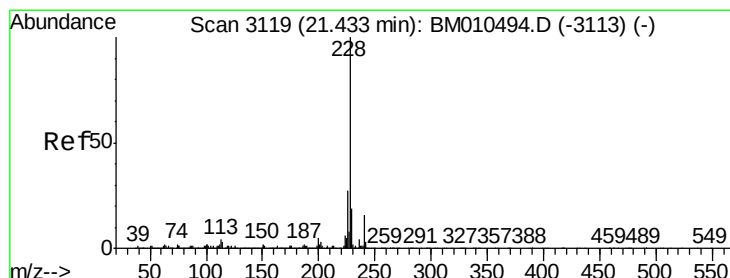
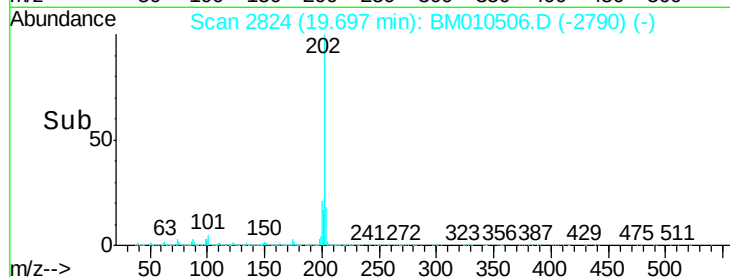
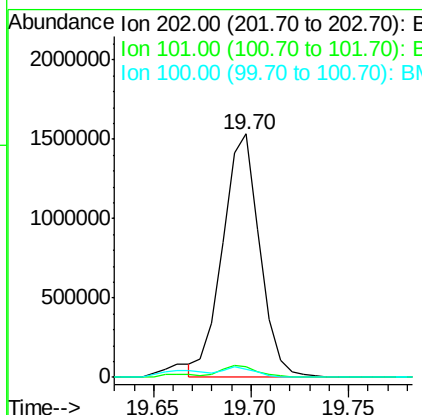
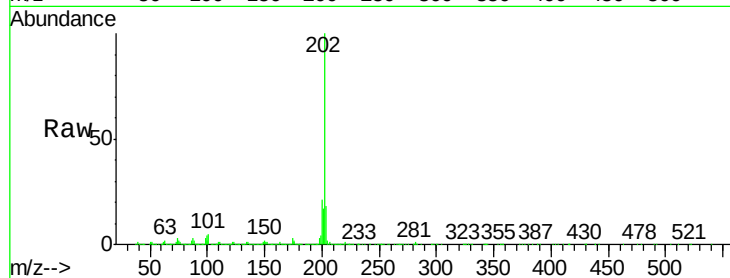




#77
 Pyrene
 Concen: 26.822 ng/ul
 RT: 19.70 min Scan# 2824
 Delta R.T. 0.00 min
 Lab File: BM010506.D
 Acq: 11 Jun 2017 03:34

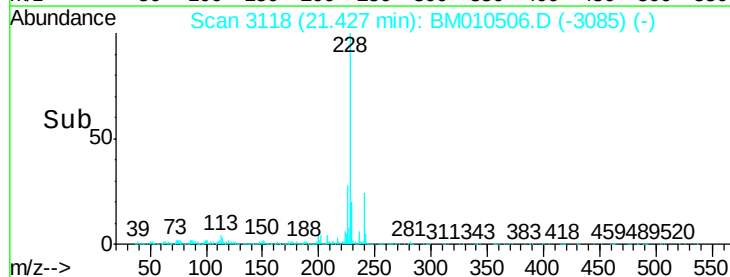
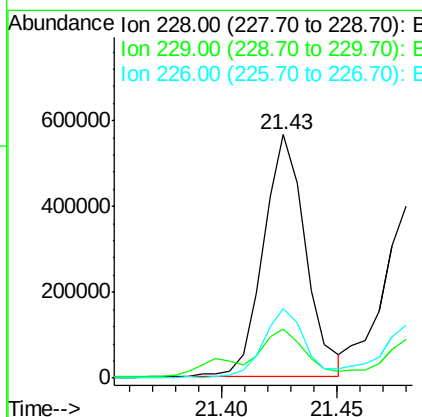
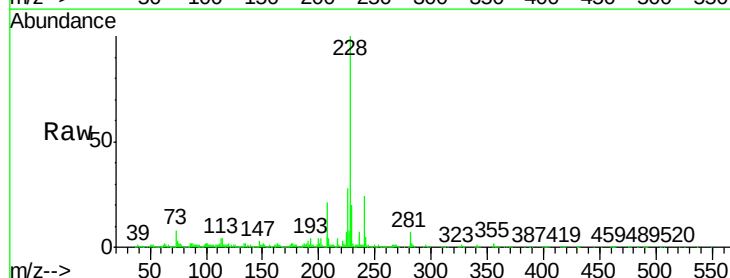
Instrument :
 BNA_M
 ClientSampleId :
 F5C89

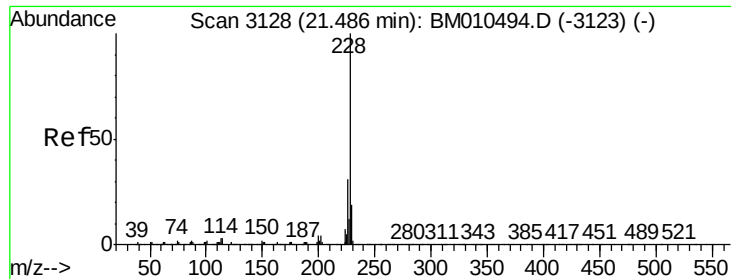
Tgt Ion:202 Resp: 2002973
 Ion Ratio Lower Upper
 202 100
 101 4.6 5.1 7.7#
 100 3.5 4.9 7.3#



#80
 Benzo(a)anthracene
 Concen: 8.806 ng/ul
 RT: 21.43 min Scan# 3118
 Delta R.T. -0.01 min
 Lab File: BM010506.D
 Acq: 11 Jun 2017 03:34

Tgt Ion:228 Resp: 719675
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.4 23.0
 226 28.4 21.4 32.0





#82

Chrysene

Concen: 7.049 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

Instrument :

BNA_M

ClientSampleId :

F5C89

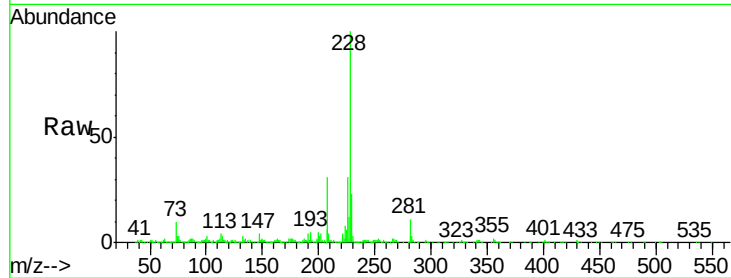
Tgt Ion:228 Resp: 520701

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

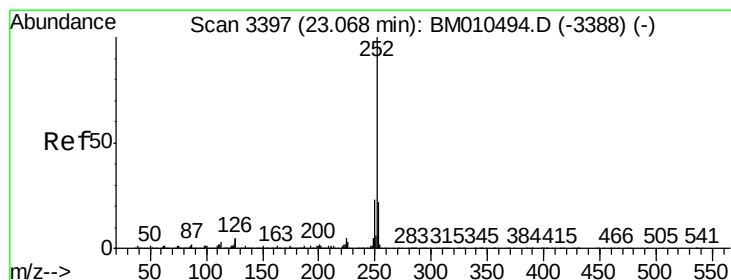
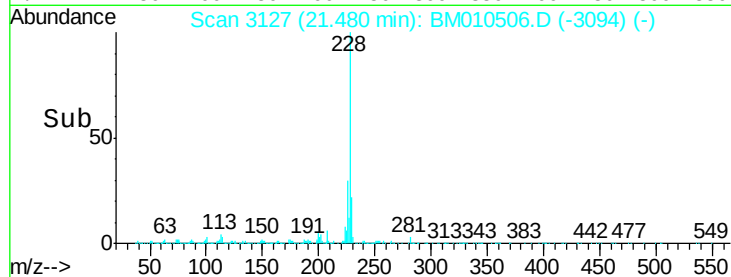
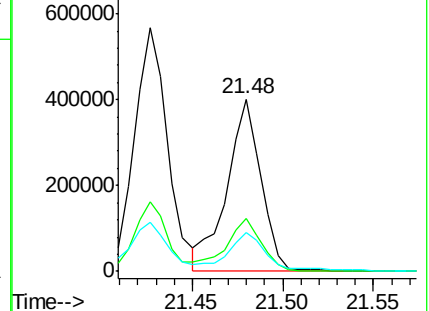
229 22.7 15.5 23.3



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



#85

Benzo(b)fluoranthene

Concen: 3.946 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.01 min

Lab File: BM010506.D

Acq: 11 Jun 2017 03:34

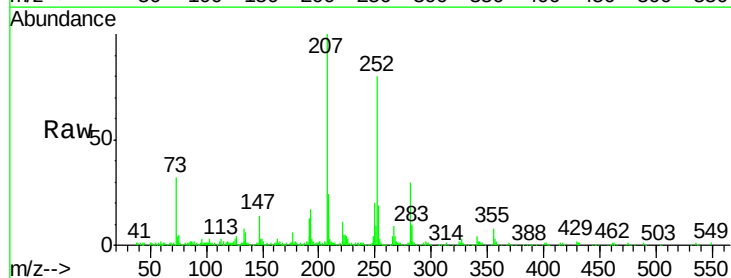
Tgt Ion:252 Resp: 338344

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

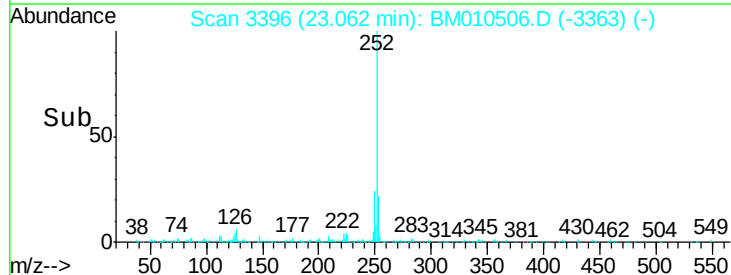
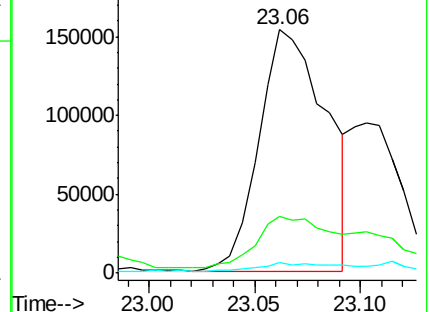
125 4.3 3.6 5.4

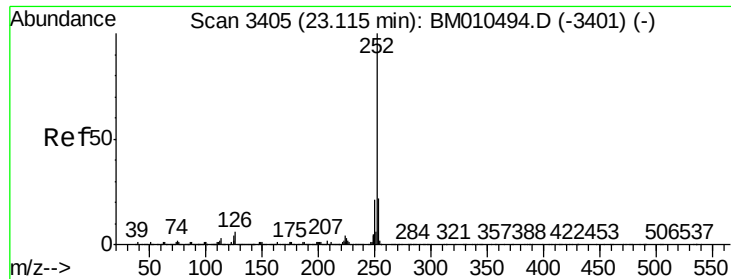


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

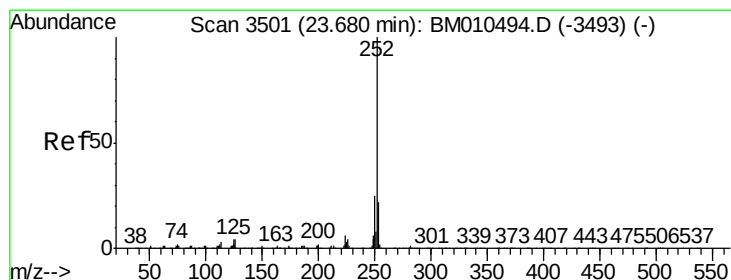
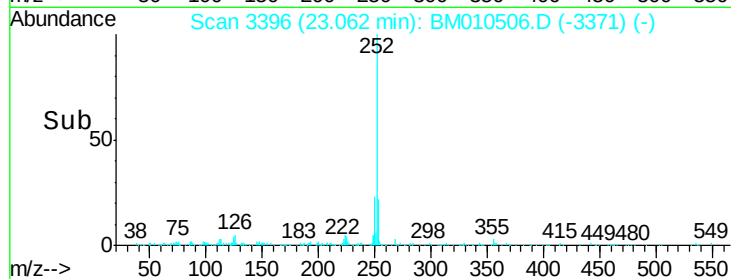
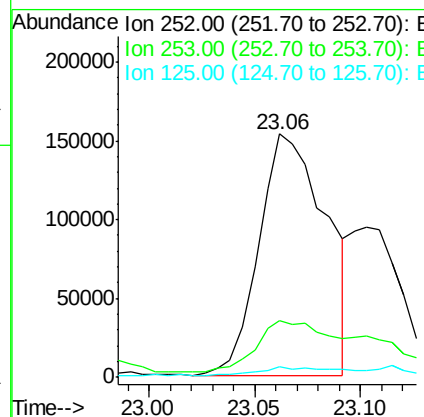
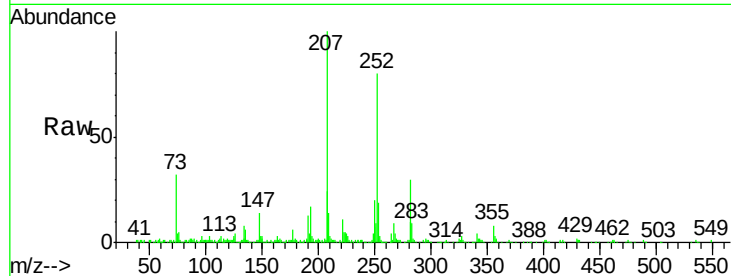




#86
Benzo(k)fluoranthene
Concen: 4.131 ng/ul
RT: 23.06 min Scan# 3396
Delta R.T. -0.05 min
Lab File: BM010506.D
Acq: 11 Jun 2017 03:34

Instrument :
BNA_M
ClientSampleId :
F5C89

Tgt Ion:252 Resp: 338344
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 4.3 3.4 5.2



#88
Benzo(a)pyrene
Concen: 2.700 ng/ul
RT: 23.67 min Scan# 3500
Delta R.T. -0.01 min
Lab File: BM010506.D
Acq: 11 Jun 2017 03:34

Tgt Ion:252 Resp: 229460
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.2
125 5.6 4.0 6.0

