

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010515.D
 Acq On : 11 Jun 2017 08:58
 Operator : SJ/MA
 Sample : I3522-18
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C32

Quant Time: Jun 12 09:08:04 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 09:00:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	166381	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	609458	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	401394	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.39	188	1331795	20.00	ng/ul	0.12
75) Chrysene-d12	21.46	240	1936231	20.00	ng/ul	0.01
83) Perylene-d12	23.79	264	1575611	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	12556	3.10	ng/uL	0.00
5) Phenol-d5	7.08	99	220468	17.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	131161	18.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	193259	19.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	184125	18.10	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	94007	21.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	110690	21.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	239926	22.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	249430	24.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.95	166	824731	24.73	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	907598	23.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	89847	18.01	ng/ul	0.00
57) Fluorene-d10	15.52	176	710181	24.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	114108	12.10	ng/ul	0.02
70) Anthracene-d10	17.39	188	1329251	20.51	ng/ul	0.02
76) Pyrene-d10	19.67	212	1979370	24.72	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.64	264	1631407	22.24	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	7.10	94	16855	1.304	ng/ul#	79
15) N-Nitroso-di-n-propylamine	8.61	70	9799	1.181	ng/ul#	11
28) Naphthalene	10.75	128	307235	10.051	ng/ul	97
30) 4-Chloroaniline	10.75	127	47136	4.765	ng/ul#	49
34) 2-Methylnaphthalene	12.35	142	3373579	145.559	ng/ul	98
40) 1,1'-Biphenyl	13.36	154	1618380	49.701	ng/ul	99
44) Dimethylphthalate	13.99	163	479736	14.627	ng/ul	98
47) Acenaphthylene	14.26	152	453577	11.930	ng/ul#	92
48) 3-Nitroaniline	14.50	138	8640	1.492	ng/ul#	48
49) Acenaphthene	14.50	153	213197	7.996	ng/ul#	1
53) Dibenzofuran	14.83	168	289334	7.338	ng/ul#	56
54) 2,4-Dinitrotoluene	14.92	165	42516	4.816	ng/ul#	1
58) Fluorene	15.59	166	17095878	528.602	ng/ul#	94
64) N-Nitrosodiphenylamine	15.93	169	39387	1.015	ng/ul#	54
69) Phenanthrene	17.43	178	12336549	173.514	ng/ul#	83
71) Anthracene	17.43	178	12336549	166.207	ng/ul#	81
74) Fluoranthene	19.43	202	134321	1.536	ng/ul#	81
77) Pyrene	19.60	202	129609	1.299	ng/ul#	91
80) Benzo(a)anthracene	21.43	228	15445641	141.461	ng/ul#	74
82) Chrysene	21.49	228	12542979	127.080	ng/ul#	79
85) Benzo(b)fluoranthene	23.09	252	13120594	143.110	ng/ul	100
86) Benzo(k)fluoranthene	23.09	252	13120594	149.804	ng/ul	98
88) Benzo(a)pyrene	23.70	252	8311404	91.457	ng/ul	99

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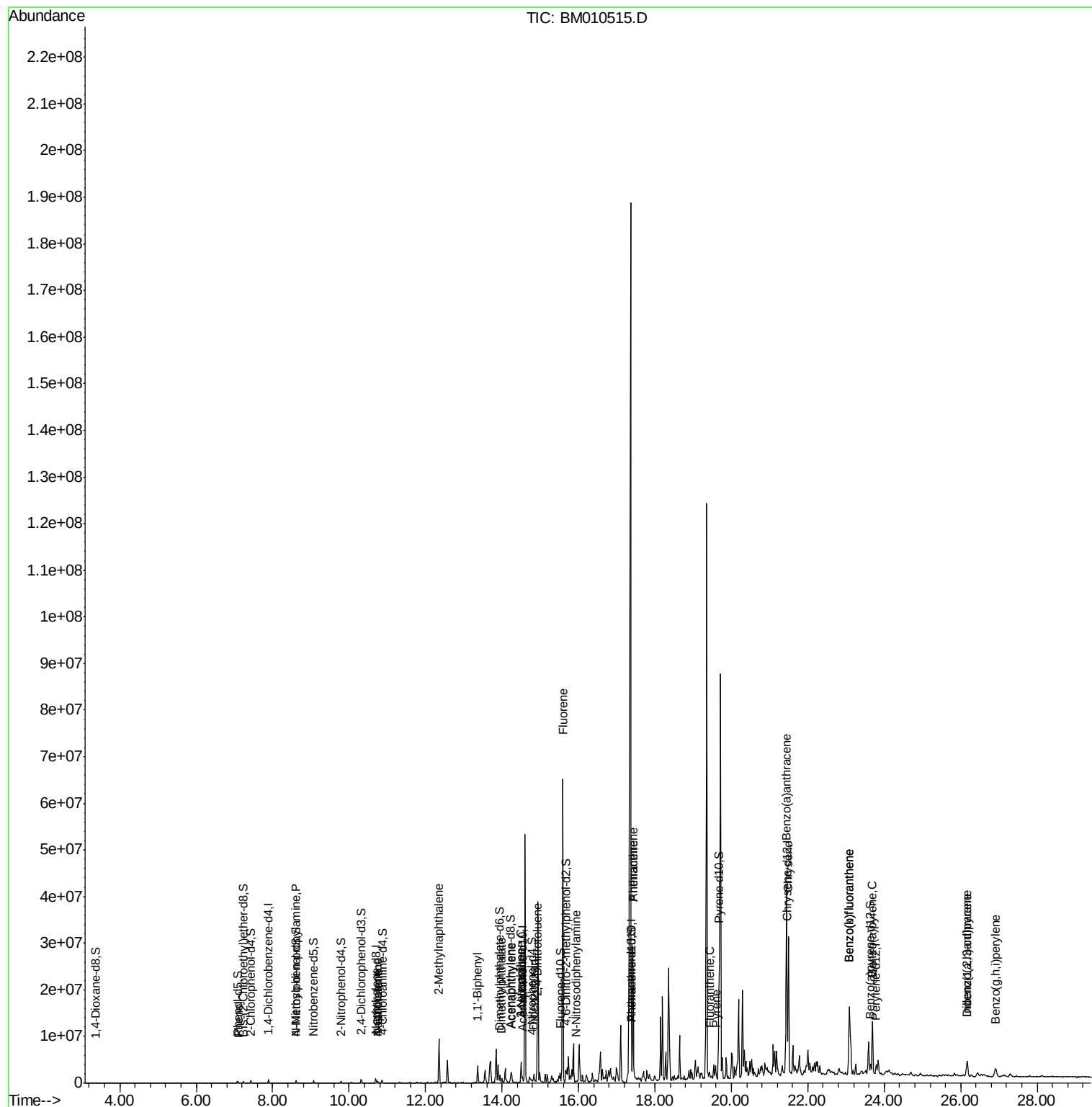
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.17	276	3139919	27.348	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.17	278	982543	9.936	ng/ul#	90
91) Benzo(g,h,i)perylene	26.91	276	2294487	24.257	ng/ul#	96

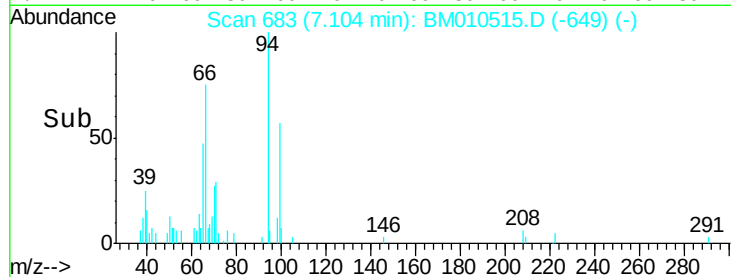
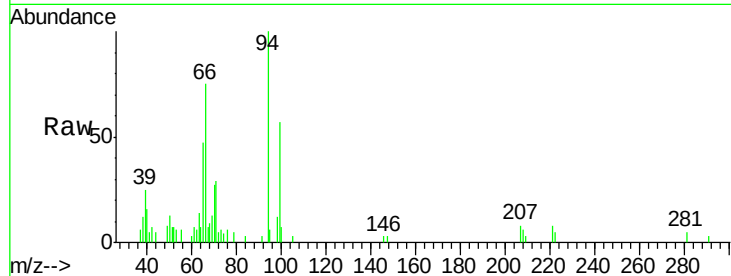
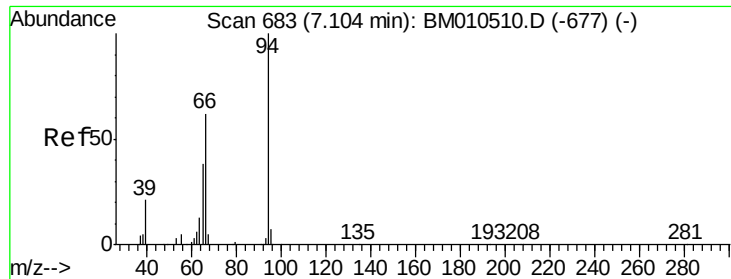
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.304 ng/ul

RT: 7.10 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampleId :

F5C32

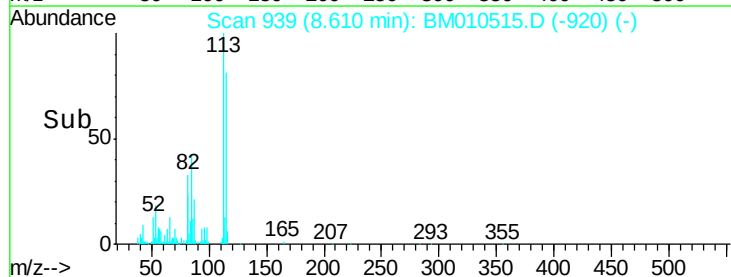
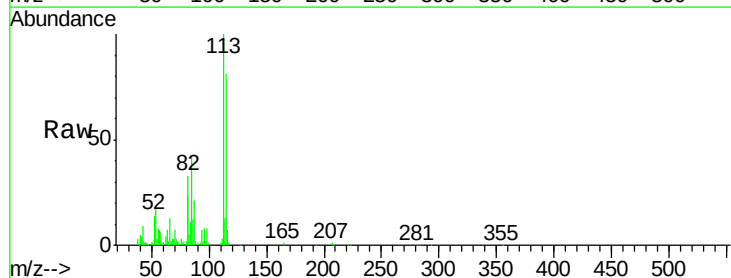
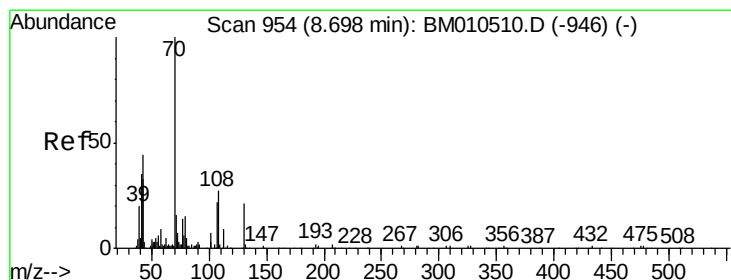
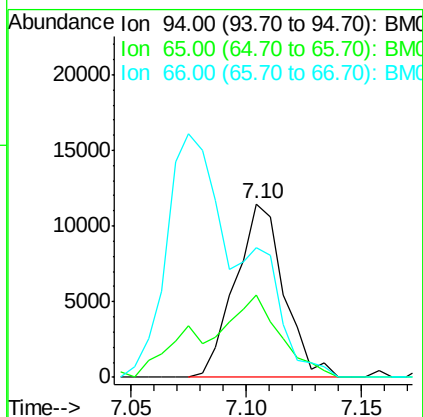
Tgt Ion: 94 Resp: 16855

Ion Ratio Lower Upper

94 100

65 47.2 28.2 42.4#

66 74.9 47.2 70.8#



#15

N-Nitroso-di-n-propylamine

Concen: 1.181 ng/ul

RT: 8.61 min Scan# 939

Delta R.T. -0.09 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Tgt Ion: 70 Resp: 9799

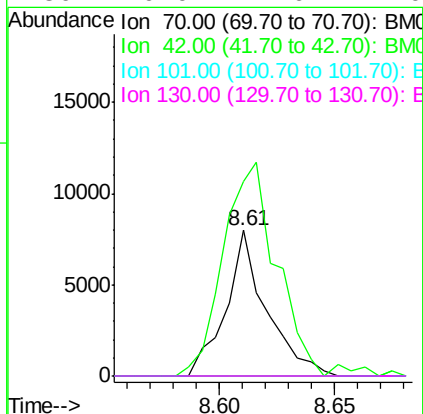
Ion Ratio Lower Upper

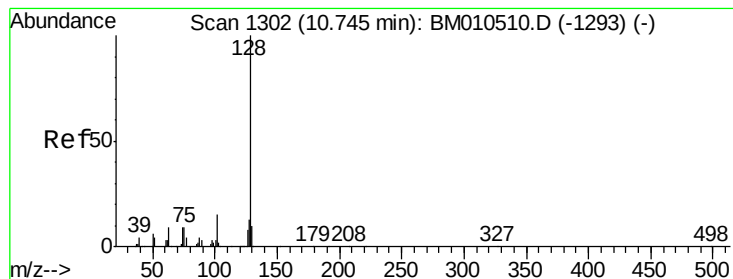
70 100

42 133.0 41.1 61.7#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#





#28

Naphthalene

Concen: 10.051 ng/ul

RT: 10.75 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampleId :

F5C32

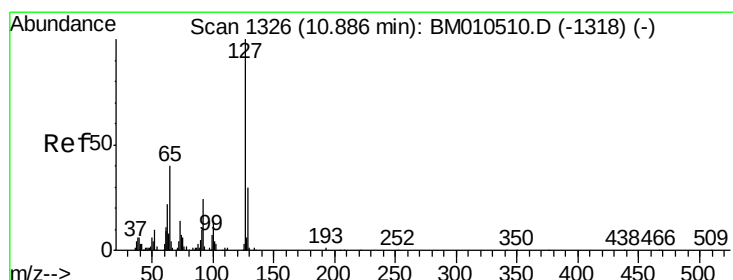
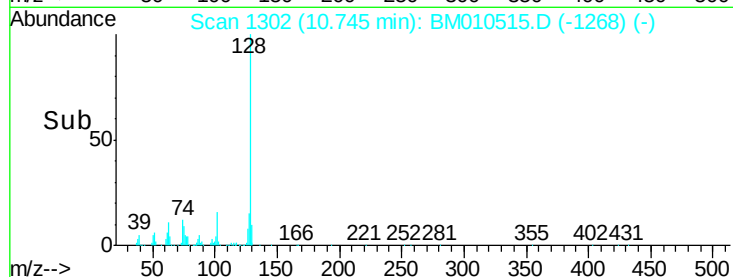
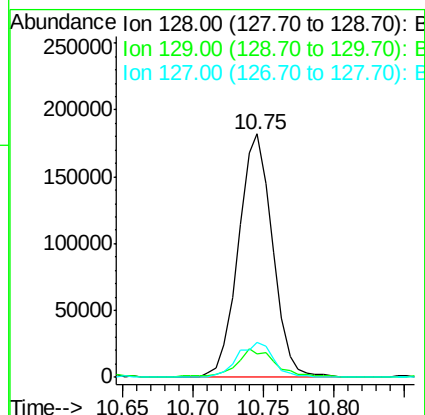
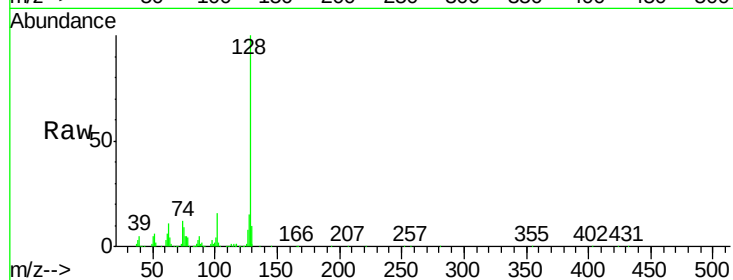
Tgt Ion:128 Resp: 307235

Ion Ratio Lower Upper

128 100

129 9.6 8.8 13.2

127 14.6 10.6 16.0



#30

4-Chloroaniline

Concen: 4.765 ng/ul

RT: 10.75 min Scan# 1302

Delta R.T. -0.14 min

Lab File: BM010515.D

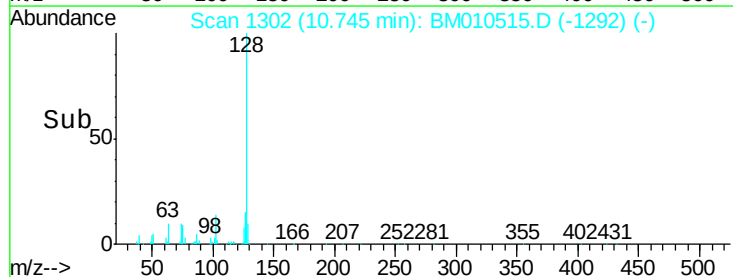
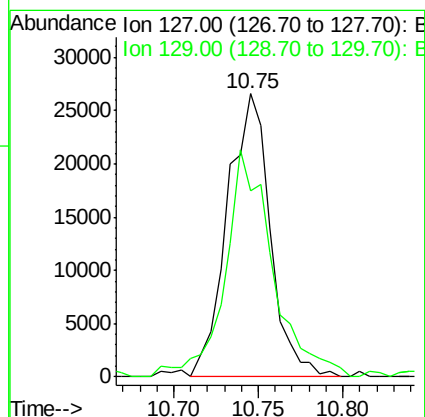
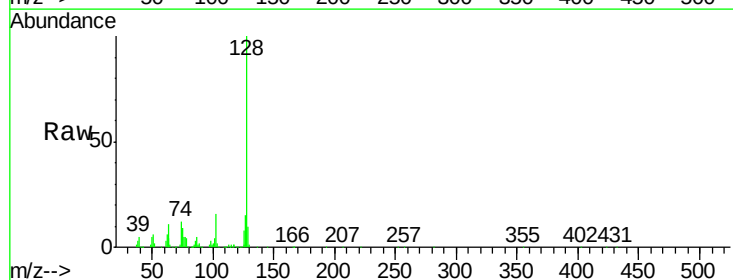
Acq: 11 Jun 2017 08:58

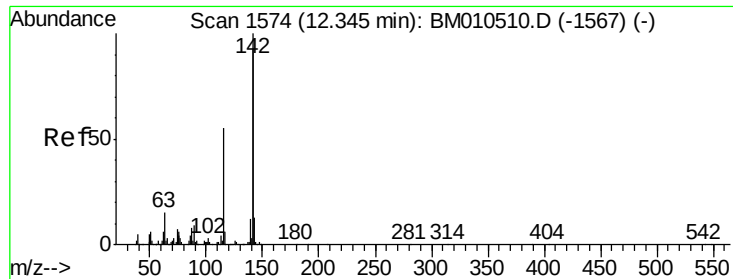
Tgt Ion:127 Resp: 47136

Ion Ratio Lower Upper

127 100

129 65.5 28.4 42.6#





#34

2-Methylnaphthalene

Concen: 145.559 ng/ul

RT: 12.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampled :

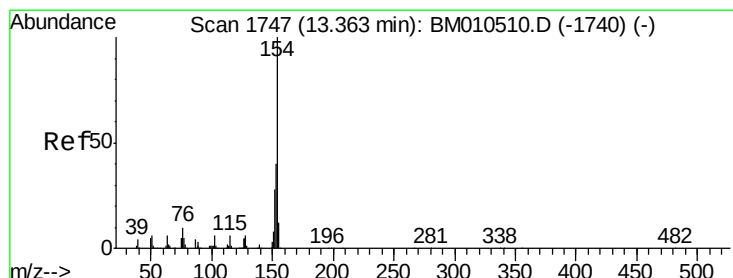
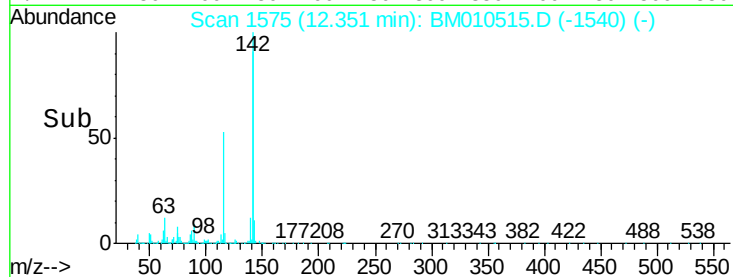
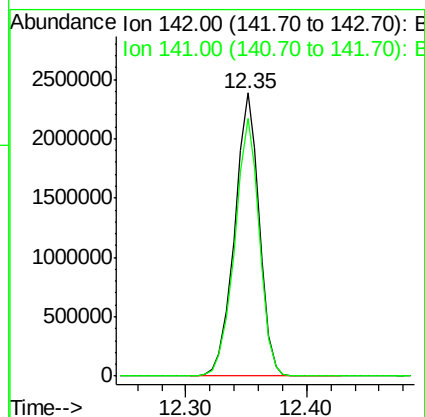
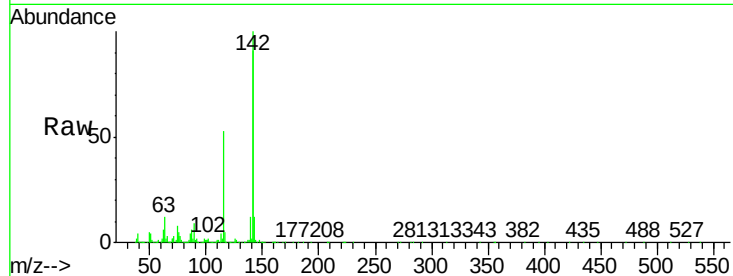
F5C32

Tgt Ion:142 Resp: 3373579

Ion Ratio Lower Upper

142 100

141 91.1 74.1 111.1



#40

1,1'-Biphenyl

Concen: 49.701 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

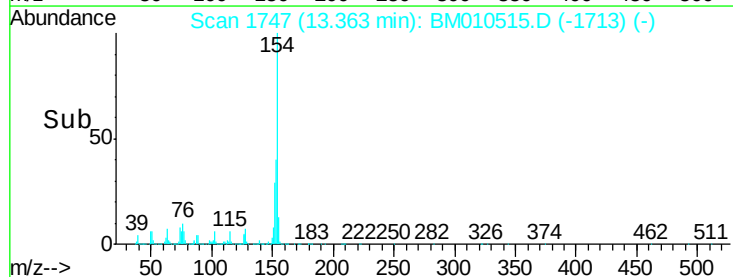
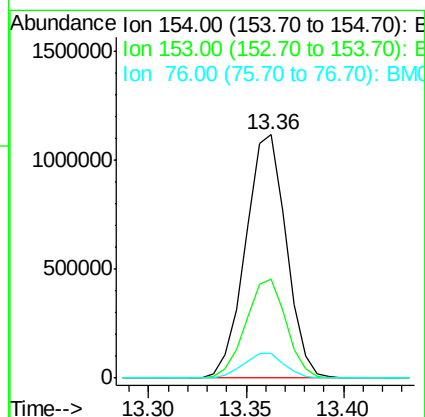
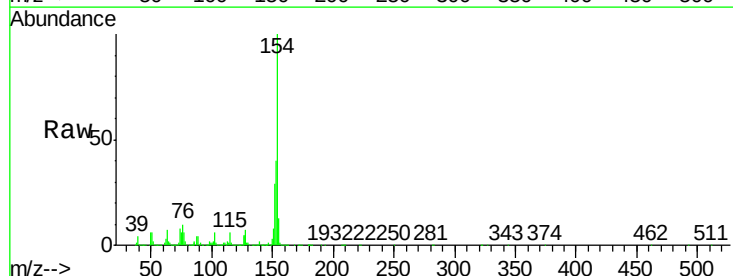
Tgt Ion:154 Resp: 1618380

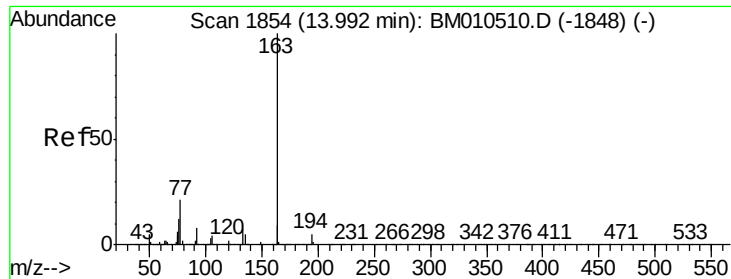
Ion Ratio Lower Upper

154 100

153 40.5 32.6 48.8

76 10.1 8.5 12.7

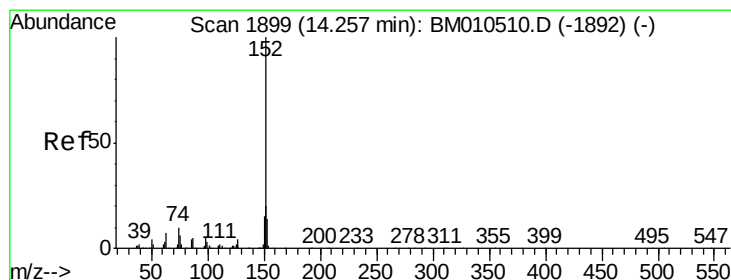
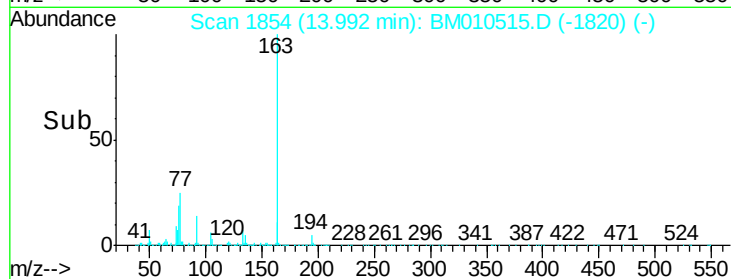
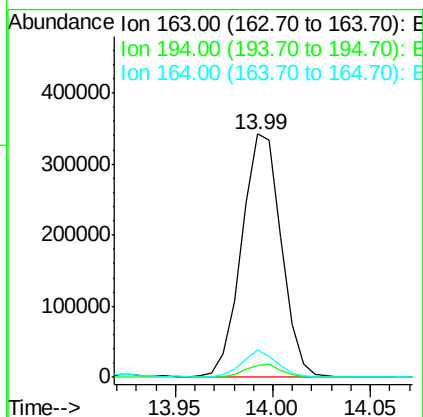
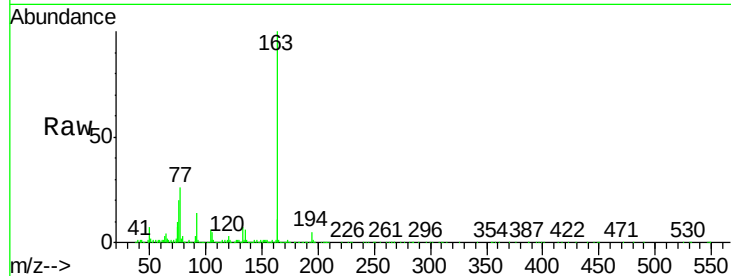




#44
Dimethylphthalate
Concen: 14.627 ng/ul
RT: 13.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM010515.D
Acq: 11 Jun 2017 08:58

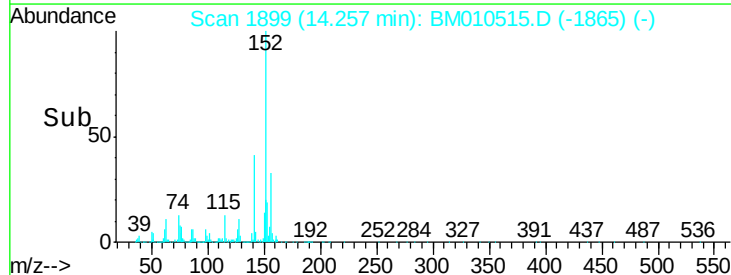
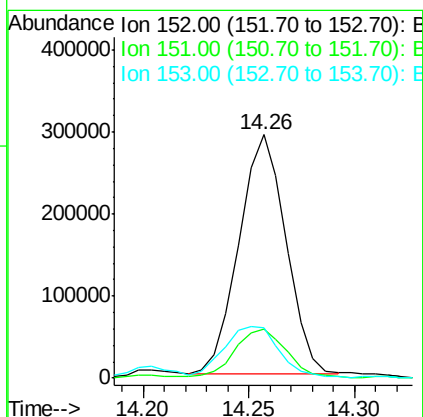
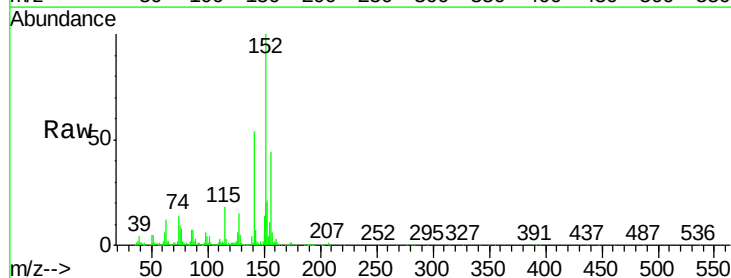
Instrument :
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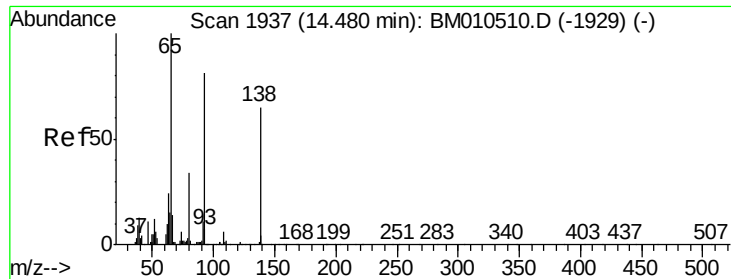
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	11.2	8.2	12.4



#47
Acenaphthylene
Concen: 11.930 ng/ul
RT: 14.26 min Scan# 1899
Delta R.T. 0.00 min
Lab File: BM010515.D
Acq: 11 Jun 2017 08:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	20.5	10.2	15.4

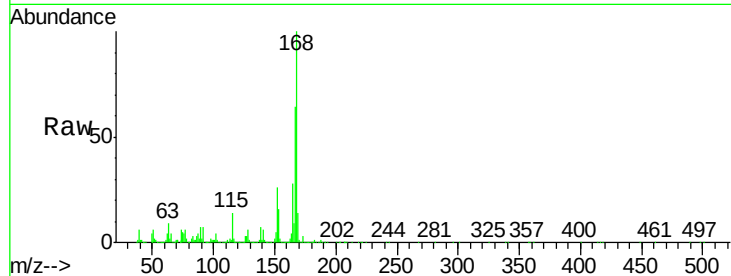




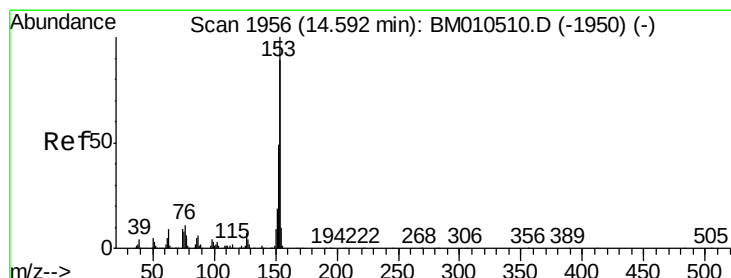
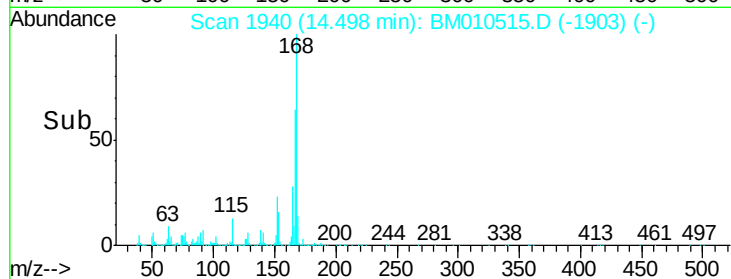
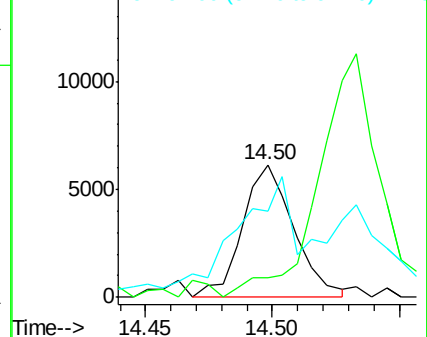
#48
 3-Nitroaniline
 Concen: 1.492 ng/ul
 RT: 14.50 min Scan# 1940
 Delta R.T. 0.02 min
 Lab File: BM010515.D
 Acq: 11 Jun 2017 08:58

Instrument :
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 ClientSampleId :
 F5C32

Tgt Ion:138 Resp: 8640
 Ion Ratio Lower Upper
 138 100
 108 15.3 9.9 14.9#
 92 65.4 105.0 157.4#

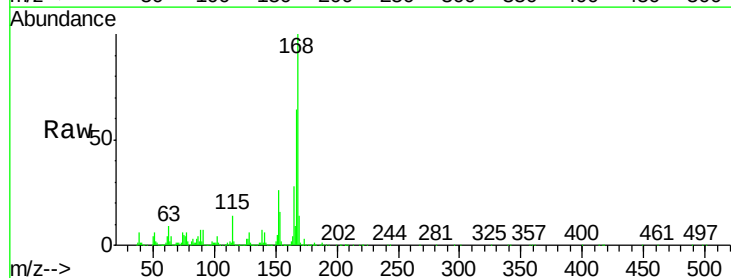


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BM

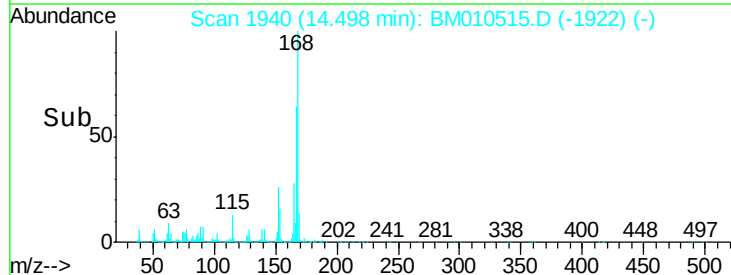
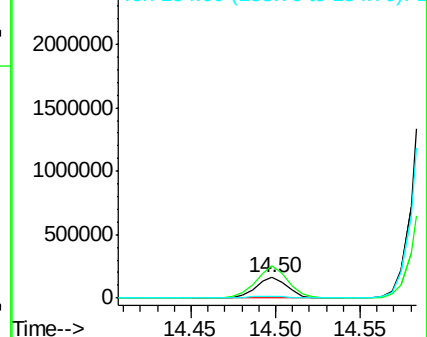


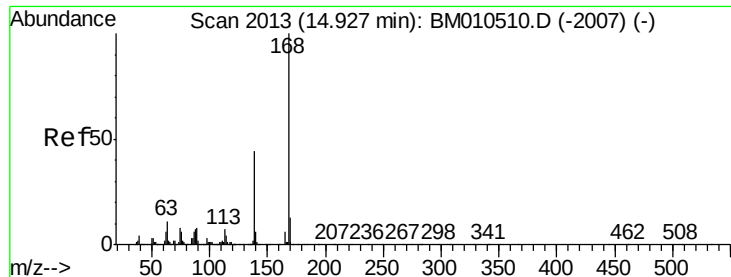
#49
 Acenaphthene
 Concen: 7.996 ng/ul
 RT: 14.50 min Scan# 1940
 Delta R.T. -0.09 min
 Lab File: BM010515.D
 Acq: 11 Jun 2017 08:58

Tgt Ion:153 Resp: 213197
 Ion Ratio Lower Upper
 153 100
 152 158.8 37.6 56.4#
 154 10.0 70.4 105.6#



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





#53

Dibenzenofuran

Concen: 7.338 ng/ul

RT: 14.83 min Scan# 1997

Delta R.T. -0.09 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampleId :

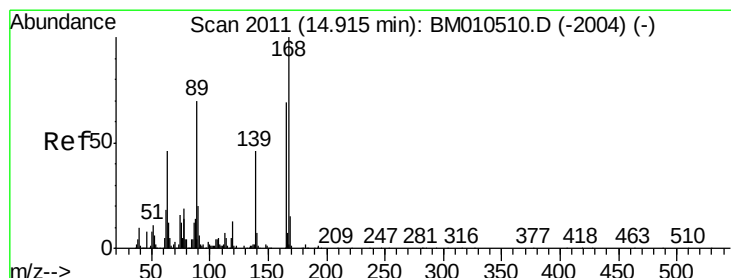
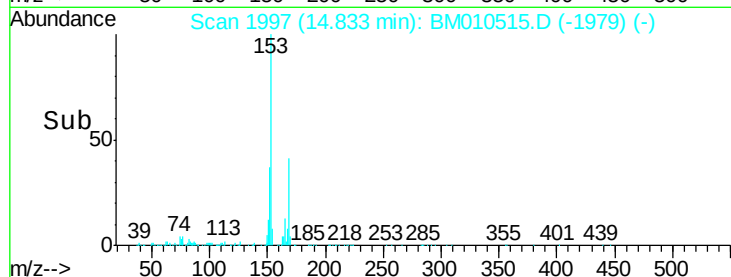
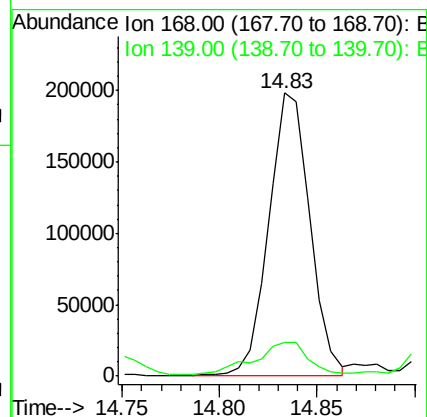
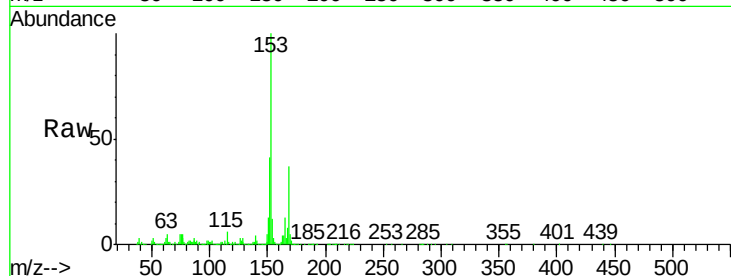
F5C32

Tgt Ion:168 Resp: 289334

Ion Ratio Lower Upper

168 100

139 11.7 30.8 46.2#



#54

2,4-Dinitrotoluene

Concen: 4.816 ng/ul

RT: 14.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

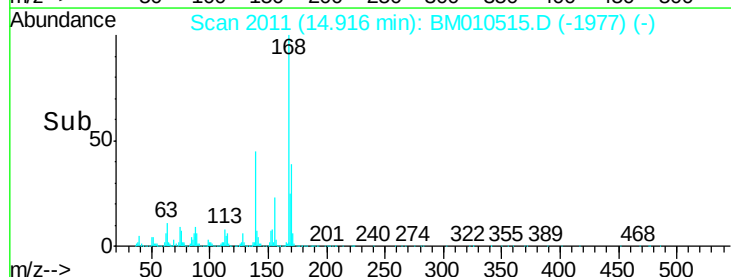
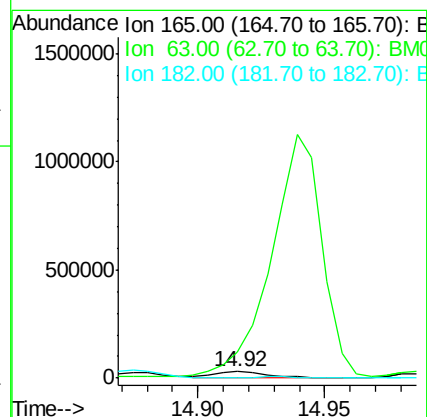
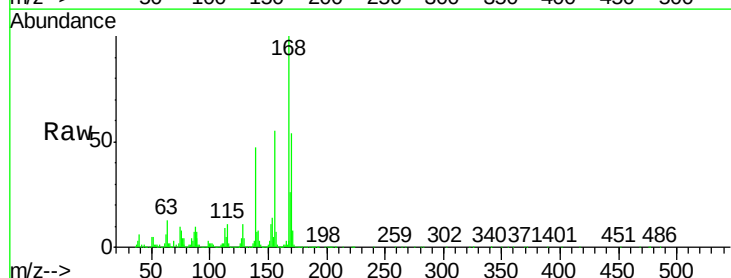
Tgt Ion:165 Resp: 42516

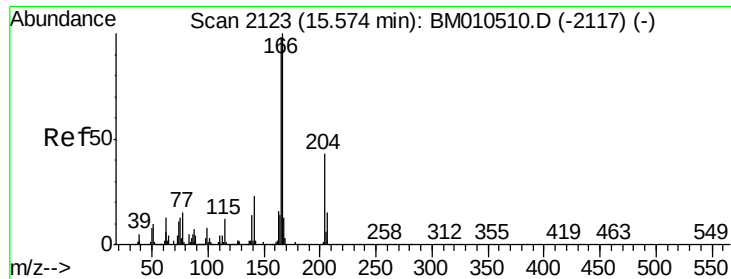
Ion Ratio Lower Upper

165 100

63 424.8 45.8 68.8#

182 8.9 2.6 4.0#

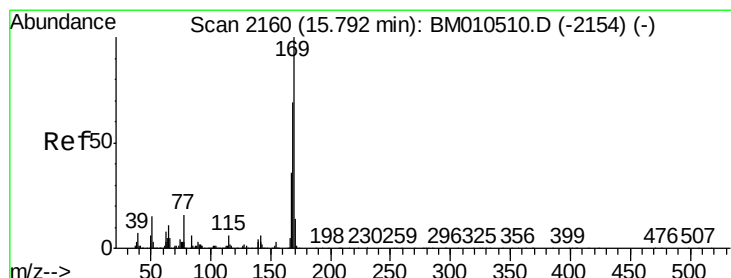
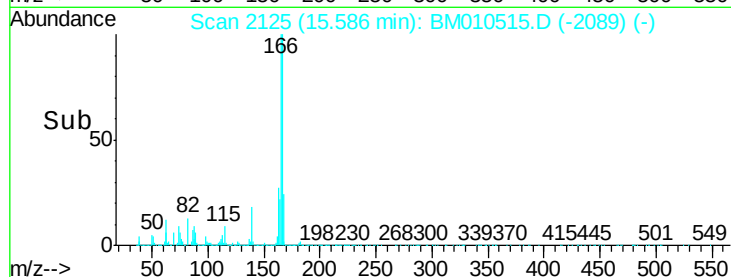
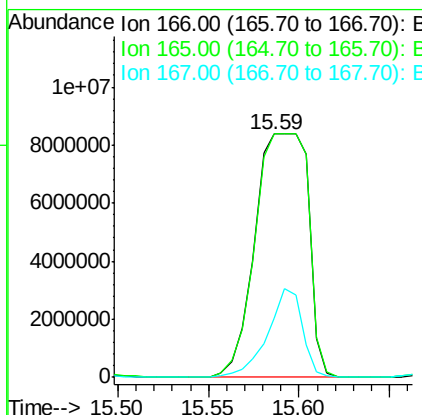
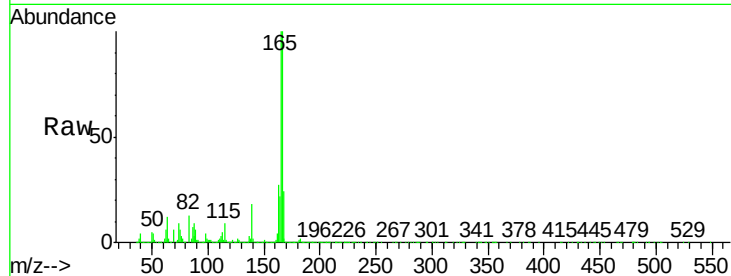




#58
 Fluorene
 Concen: 528.602 ng/ul
 RT: 15.59 min Scan# 2125
 Delta R.T. 0.01 min
 Lab File: BM010515.D
 Acq: 11 Jun 2017 08:58

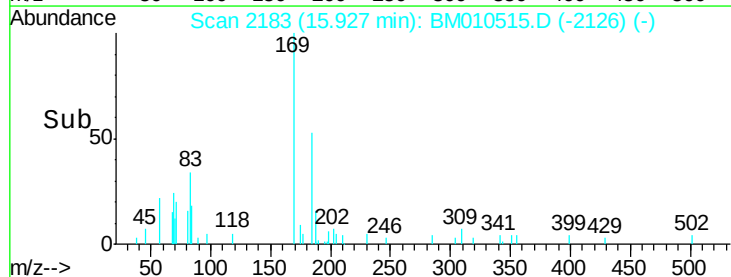
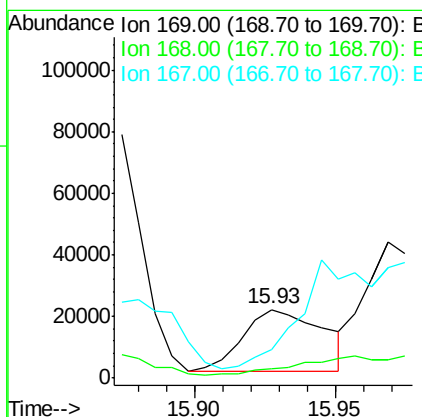
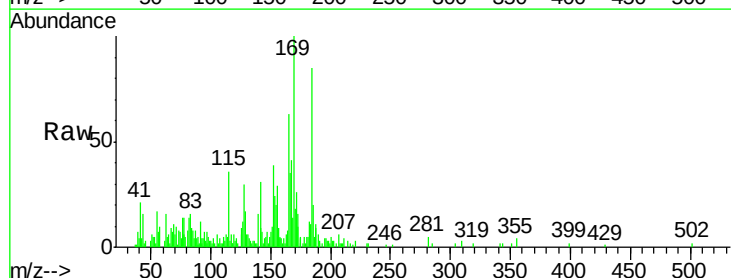
Instrument :
 BNA_M
 ClientSampled :
 F5C32

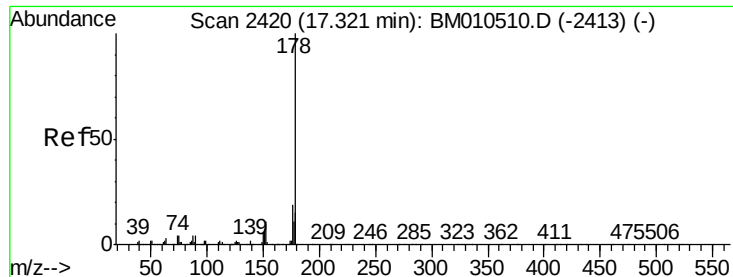
Tgt Ion:166 Resp:17095878
 Ion Ratio Lower Upper
 166 100
 165 100.0 77.9 116.9
 167 24.3 10.6 16.0#



#64
 N-Nitrosodiphenylamine
 Concen: 1.015 ng/ul
 RT: 15.93 min Scan# 2183
 Delta R.T. 0.14 min
 Lab File: BM010515.D
 Acq: 11 Jun 2017 08:58

Tgt Ion:169 Resp: 39387
 Ion Ratio Lower Upper
 169 100
 168 13.7 54.0 81.0#
 167 41.0 29.1 43.7





#69

Phenanthrene

Concen: 173.514 ng/ul

RT: 17.43 min Scan# 2438

Delta R.T. 0.11 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampled :

F5C32

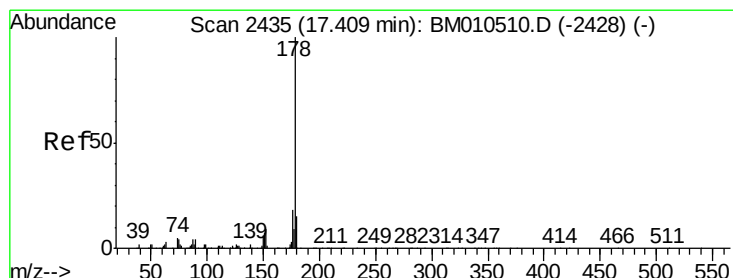
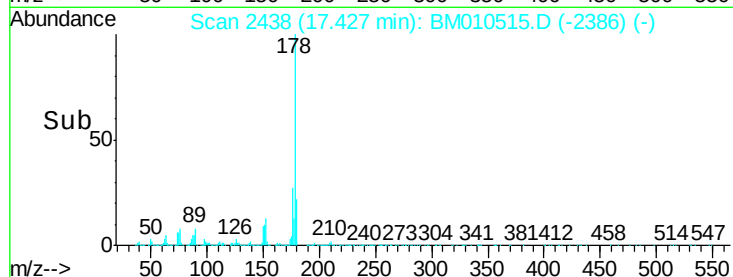
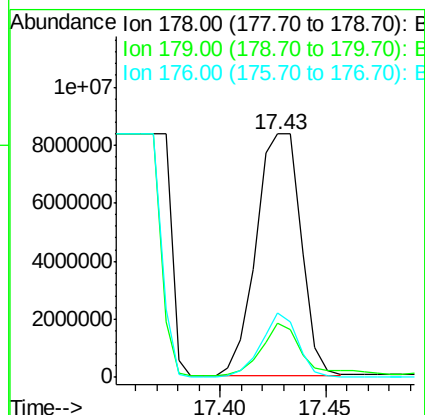
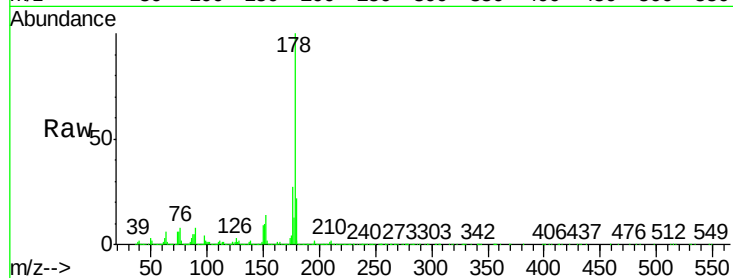
Tgt Ion:178 Resp:12336549

Ion Ratio Lower Upper

178 100

179 22.3 12.6 19.0#

176 26.5 14.9 22.3#



#71

Anthracene

Concen: 166.207 ng/ul

RT: 17.43 min Scan# 2438

Delta R.T. 0.02 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

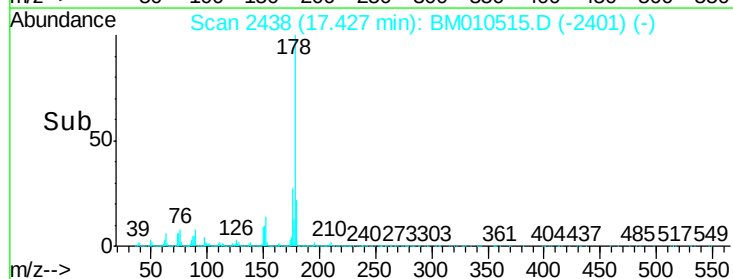
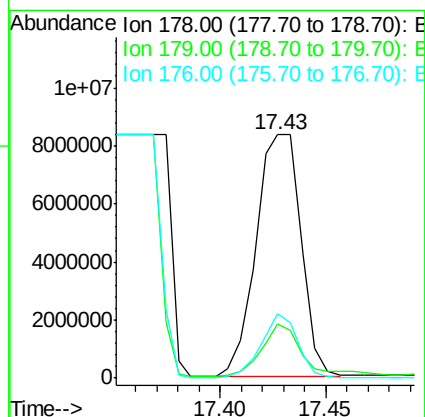
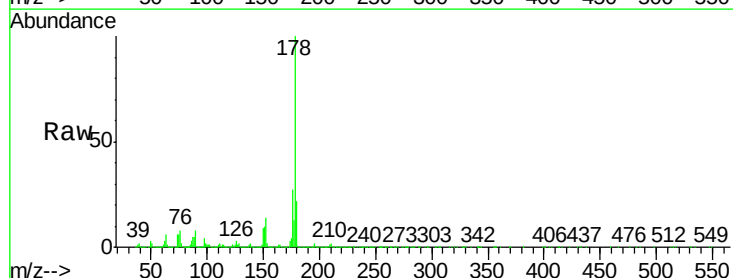
Tgt Ion:178 Resp:12336549

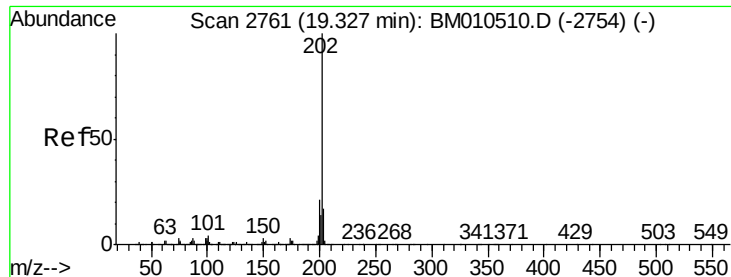
Ion Ratio Lower Upper

178 100

179 22.3 11.7 17.5#

176 26.5 14.6 21.8#





#74

Fluoranthene

Concen: 1.536 ng/ul

RT: 19.43 min Scan# 2779

Delta R.T. 0.11 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampled :

F5C32

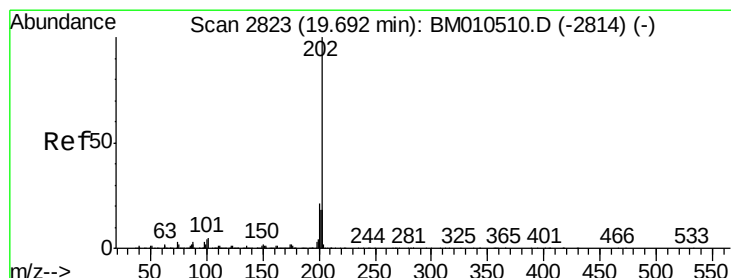
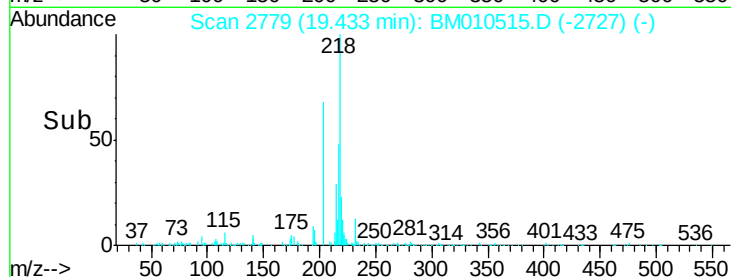
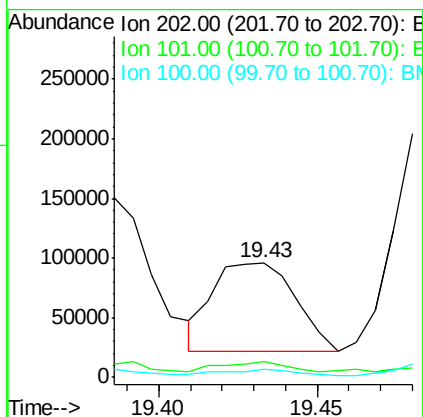
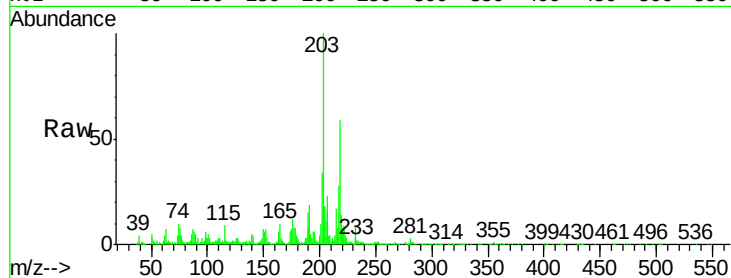
Tgt Ion:202 Resp: 134321

Ion Ratio Lower Upper

202 100

101 14.3 4.6 7.0#

100 7.6 3.4 5.2#



#77

Pyrene

Concen: 1.299 ng/ul

RT: 19.60 min Scan# 2808

Delta R.T. -0.09 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

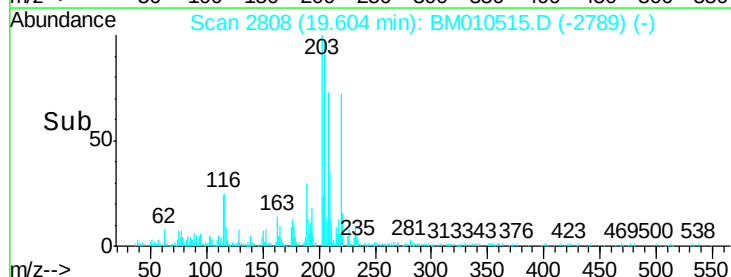
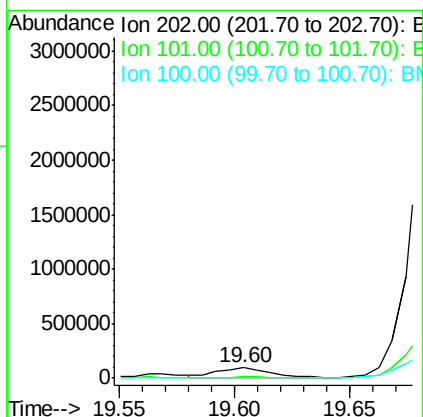
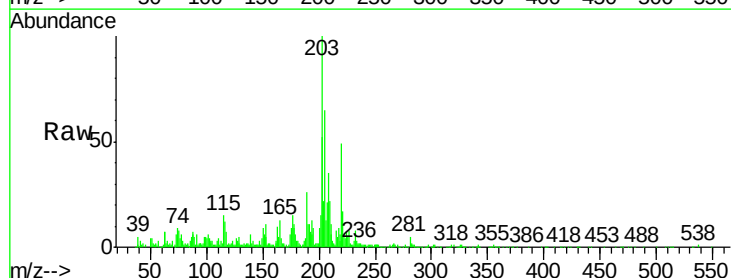
Tgt Ion:202 Resp: 129609

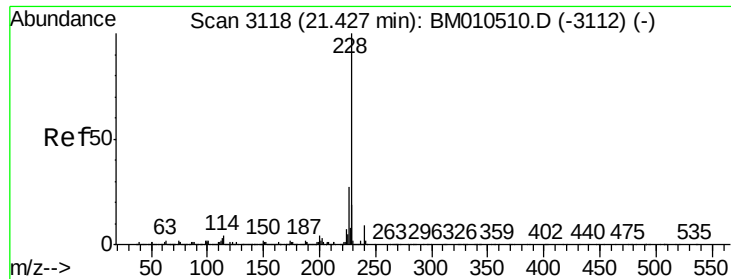
Ion Ratio Lower Upper

202 100

101 11.4 5.1 7.7#

100 7.4 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 141.461 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampled :

F5C32

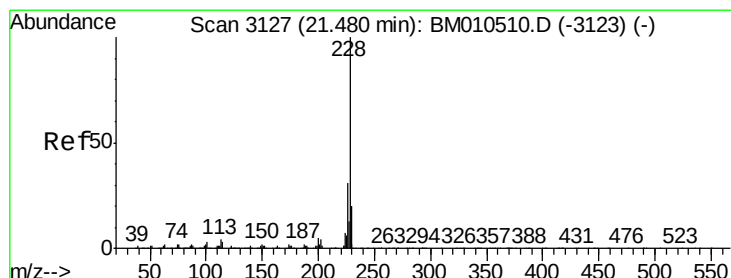
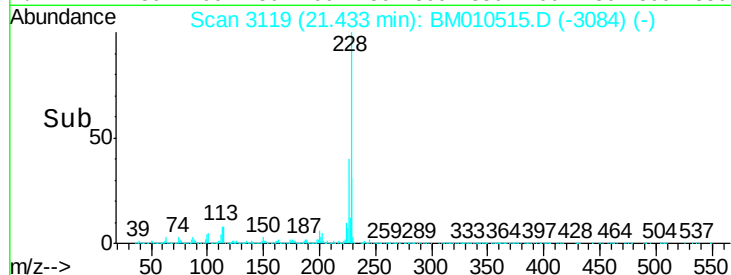
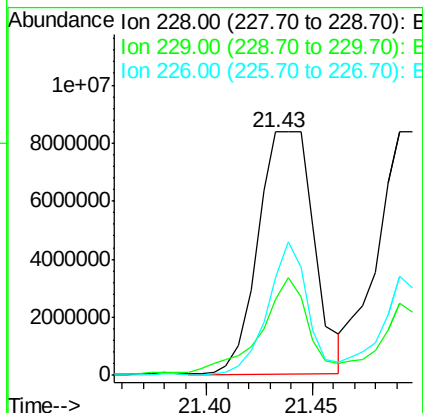
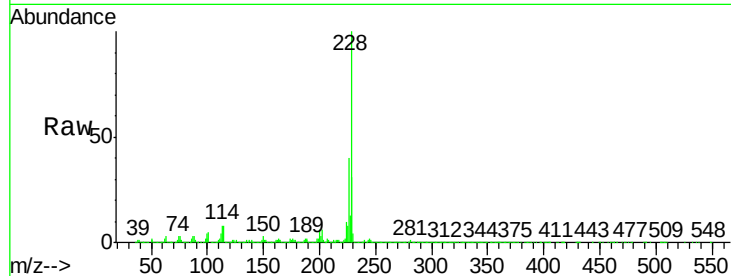
Tgt Ion:228 Resp:15445641

Ion Ratio Lower Upper

228 100

229 30.9 15.4 23.0#

226 40.4 21.4 32.0#



#82

Chrysene

Concen: 127.080 ng/ul

RT: 21.49 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

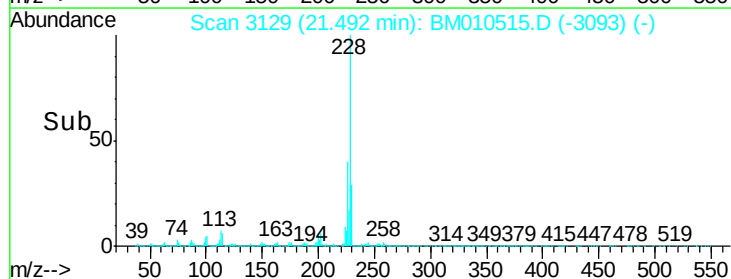
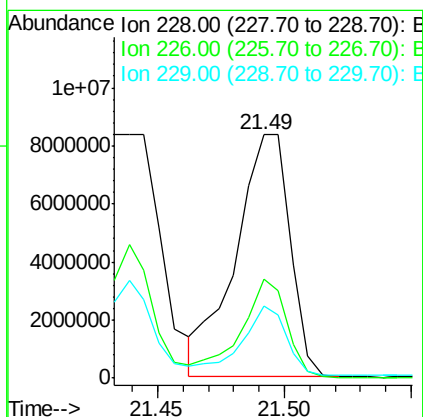
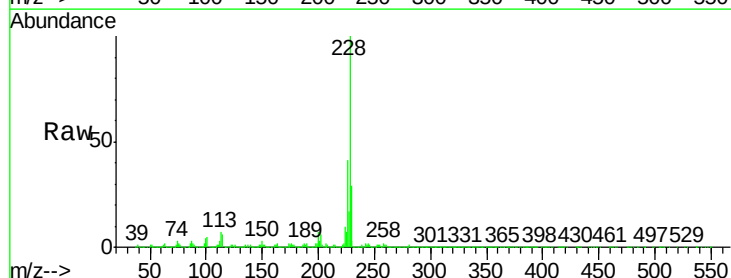
Tgt Ion:228 Resp:12542979

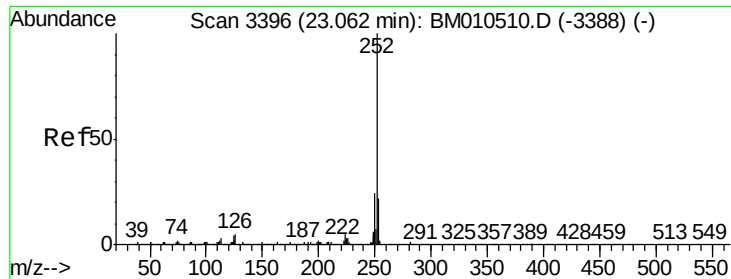
Ion Ratio Lower Upper

228 100

226 40.5 23.4 35.2#

229 29.4 15.5 23.3#

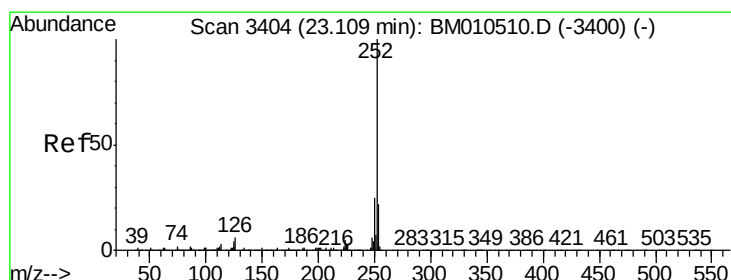
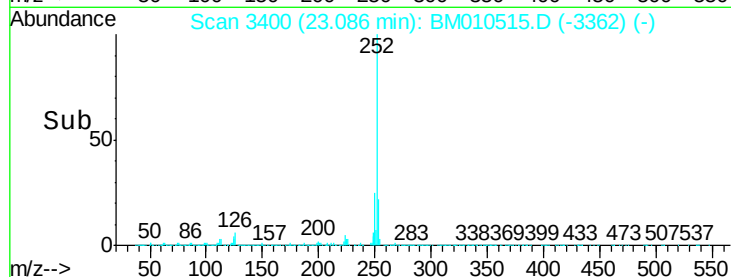
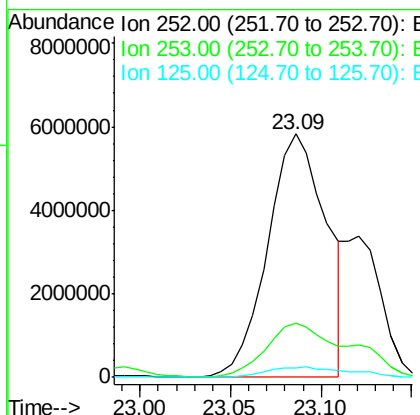
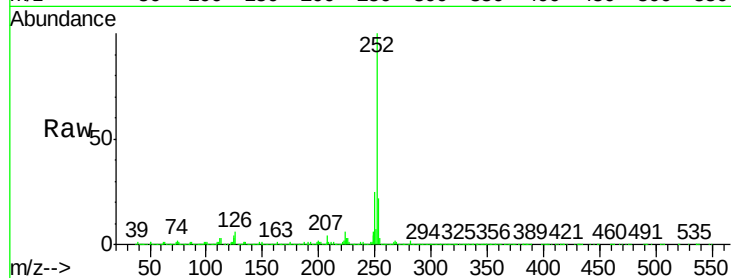




#85
Benzo(b)fluoranthene
Concen: 143.110 ng/ul
RT: 23.09 min Scan# 3400
Delta R.T. 0.02 min
Lab File: BM010515.D
Acq: 11 Jun 2017 08:58

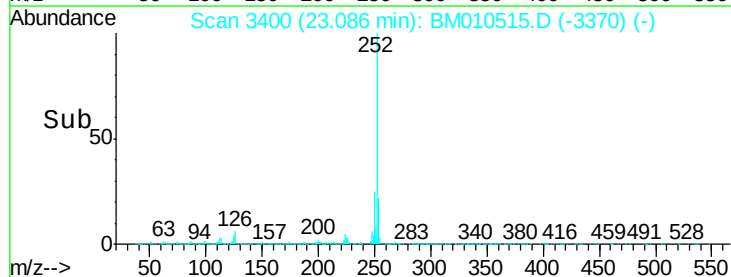
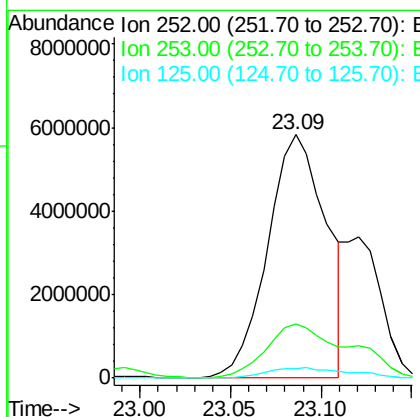
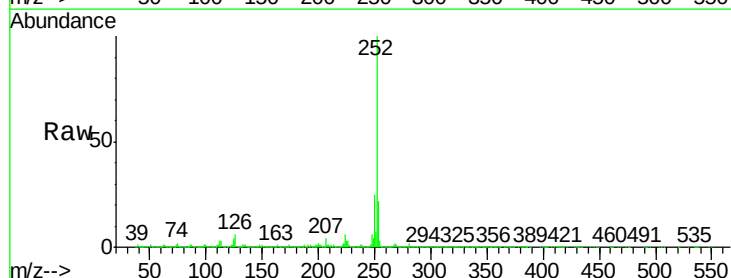
Instrument :
BNA_M
ClientSampleId :
F5C32

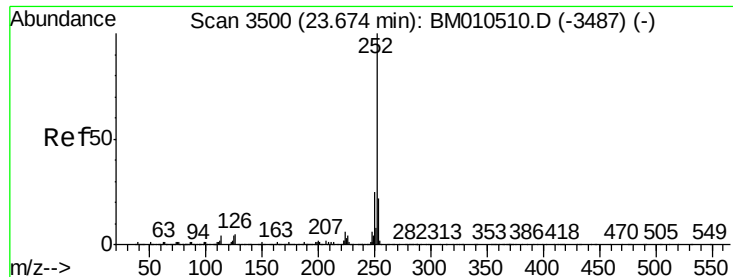
Tgt Ion:252 Resp:13120594
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 4.1 3.6 5.4



#86
Benzo(k)fluoranthene
Concen: 149.804 ng/ul
RT: 23.09 min Scan# 3400
Delta R.T. -0.02 min
Lab File: BM010515.D
Acq: 11 Jun 2017 08:58

Tgt Ion:252 Resp:13120594
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 4.1 3.4 5.2





#88

Benzo(a)pyrene

Concen: 91.457 ng/ul

RT: 23.70 min Scan# 3504

Delta R.T. 0.02 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampleId :

F5C32

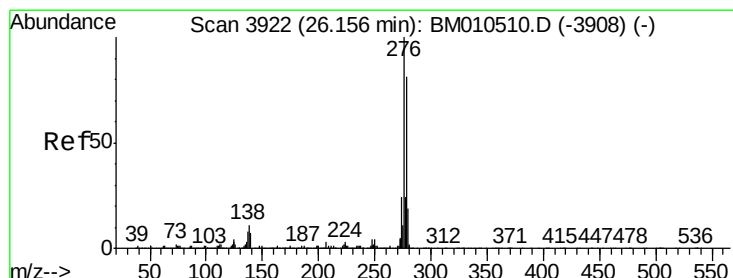
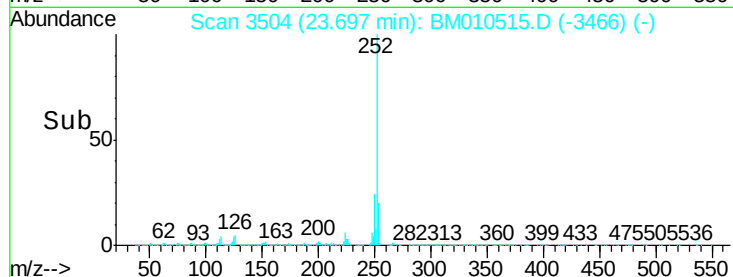
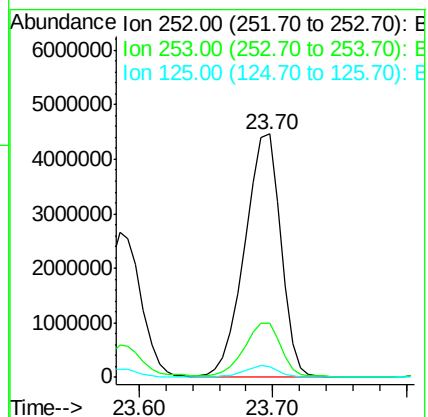
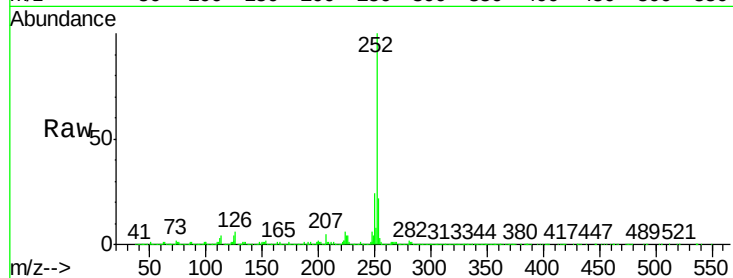
Tgt Ion:252 Resp: 8311404

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 4.3 4.0 6.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 27.348 ng/ul

RT: 26.17 min Scan# 3924

Delta R.T. 0.01 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

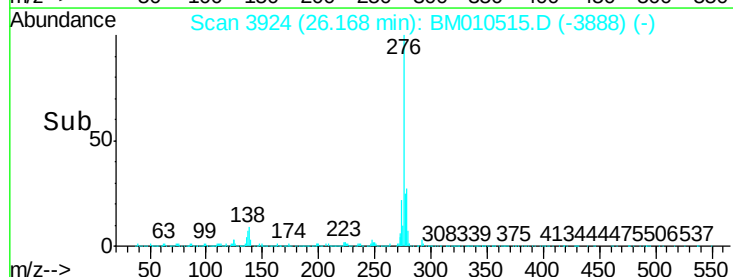
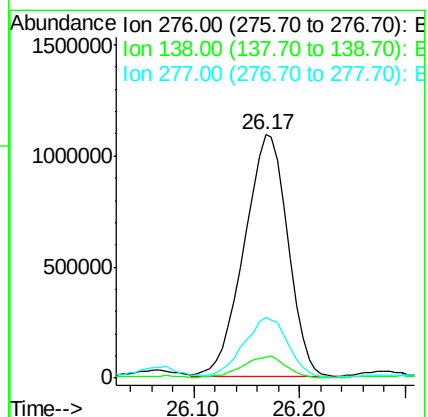
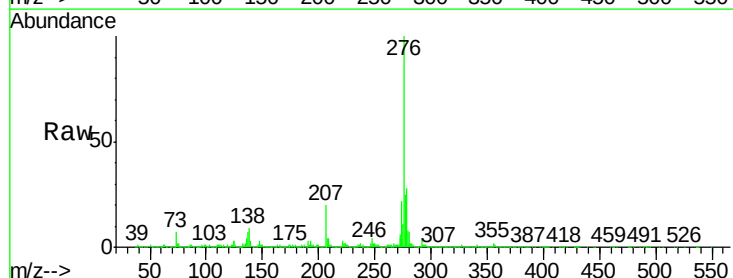
Tgt Ion:276 Resp: 3139919

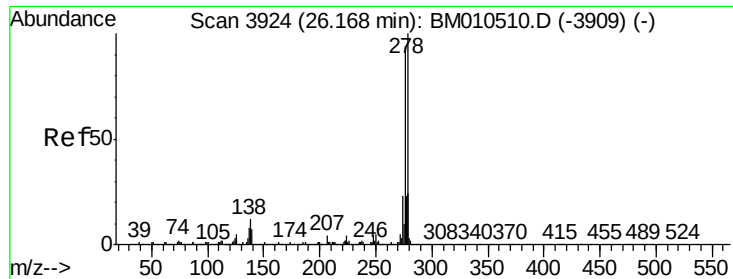
Ion Ratio Lower Upper

276 100

138 8.7 9.3 13.9#

277 25.1 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 9.936 ng/ul

RT: 26.17 min Scan# 3924

Delta R.T. 0.00 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Instrument :

BNA_M

ClientSampleId :

F5C32

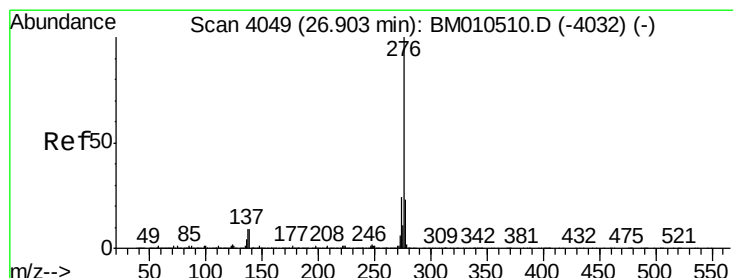
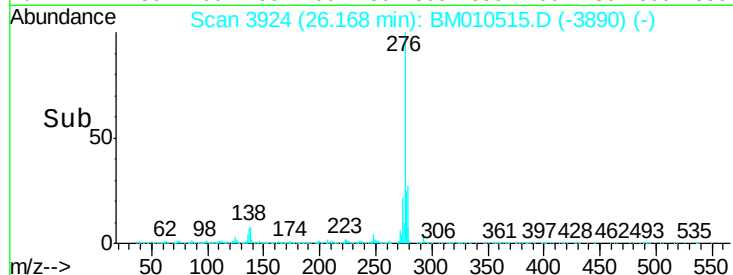
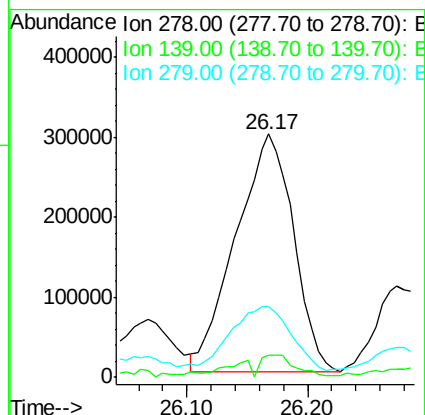
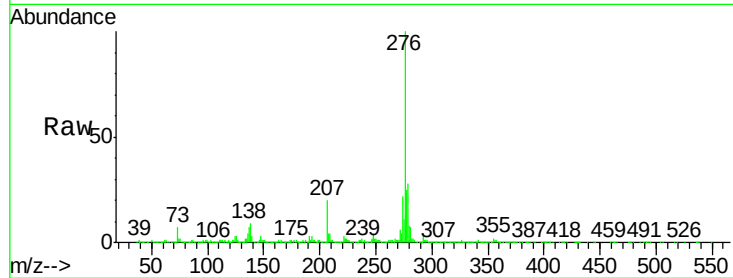
Tgt Ion:278 Resp: 982543

Ion Ratio Lower Upper

278 100

139 9.3 5.8 8.8#

279 28.9 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 24.257 ng/ul

RT: 26.91 min Scan# 4051

Delta R.T. 0.01 min

Lab File: BM010515.D

Acq: 11 Jun 2017 08:58

Tgt Ion:276 Resp: 2294487

Ion Ratio Lower Upper

276 100

138 8.4 8.5 12.7#

277 25.1 18.6 28.0

