

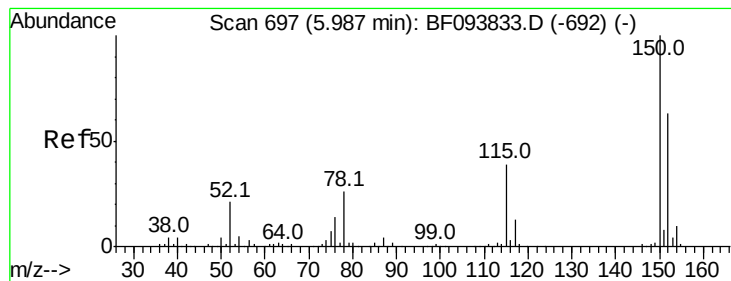
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094348.D
 Acq On : 11 Apr 2017 9:39
 Operator : SJ/MA
 Sample : I2601-07
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 11:27:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	142335	20.00	ng	-0.01
21) Naphthalene-d8	7.36	136	425729	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	190357	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	379281	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	277256	20.00	ng	-0.02
86) Perylene-d12	16.19	264	220500	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1244237	147.65	ng	0.01
7) Phenol-d6	5.48	99	1494950	143.40	ng	0.02
23) Nitrobenzene-d5	6.50	82	972967	130.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	250727	166.68	ng	0.00
44) 2-Fluorobiphenyl	8.69	172	725041	58.10	ng	0.00
78) Terphenyl-d14	13.29	244	978008	79.07	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	5.35	77	53520	7.60	ng	# 1
10) Phenol	5.49	94	99645	8.40	ng	# 86
15) Benzyl Alcohol	6.02	79	26582	3.48	ng	# 46
18) Hexachloroethane	6.43	117	37130	10.04	ng	# 1
19) n-Nitroso-di-n-propylamine	6.32	70	28025	4.18	ng	# 68
22) Acetophenone	6.31	105	442558	46.64	ng	# 46
24) Nitrobenzene	6.51	77	26029	3.54	ng	# 38
25) Isophorone	6.80	82	143815	10.97	ng	# 1
26) 2-Nitrophenol	6.93	139	18826	5.37	ng	# 1
27) 2,4-Dimethylphenol	6.94	122	15848	2.62	ng	# 1
31) Naphthalene	7.38	128	85163	4.16	ng	# 66
32) Benzoic acid	7.12	122	19414	4.82	ng	# 20
35) Caprolactam	7.88	113	59865	33.21	ng	# 1
36) 4-Chloro-3-methylphenol	8.08	107	13130	2.22	ng	# 15
42) 2,4,6-Trichlorophenol	8.59	196	8235	2.24	ng	# 27
43) 2,4,5-Trichlorophenol	8.62	196	8568	2.15	ng	# 1
49) Dimethylphthalate	9.17	163	158374	11.70	ng	# 86
52) 3-Nitroaniline	9.46	138	10505	2.88	ng	# 12
53) 2,4-Dinitrophenol	9.60	184	445	4.92	ng	# 1
61) 4-Nitroaniline	10.06	138	7925	2.27	ng	# 83

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

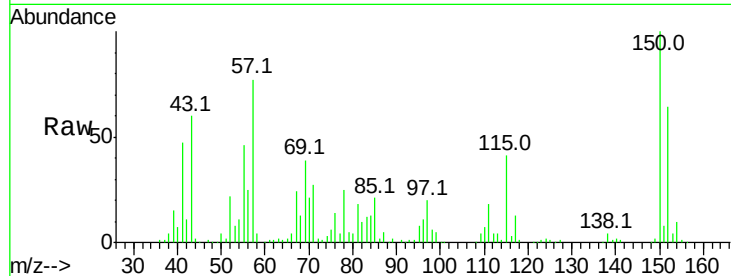


#1

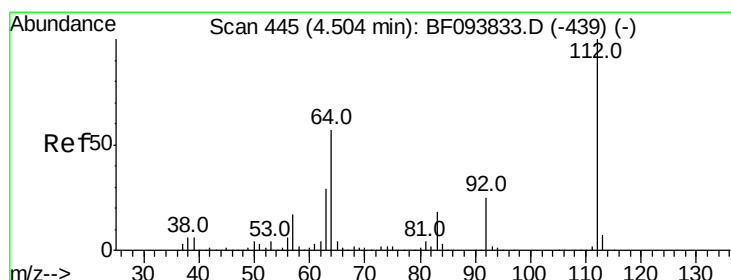
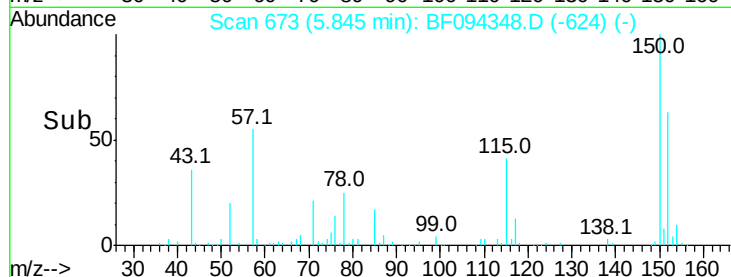
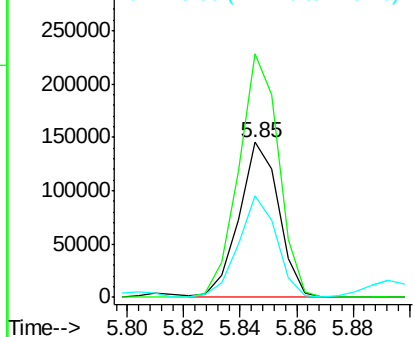
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142335
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 65.2 52.2 78.2



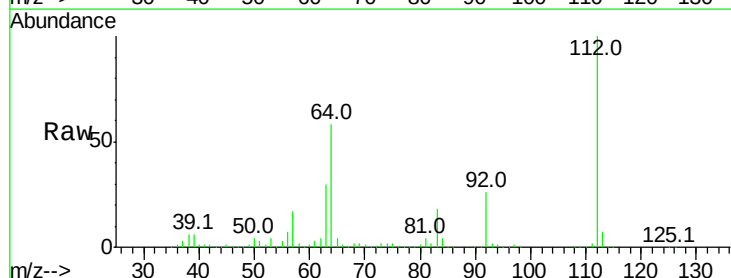
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



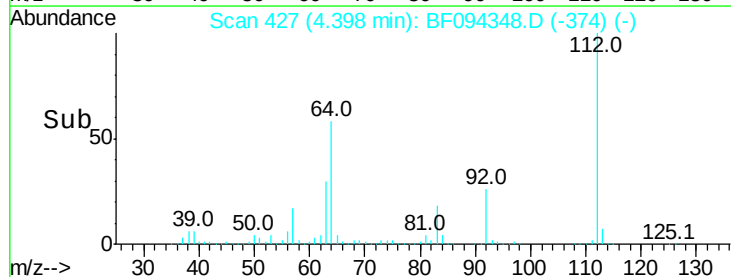
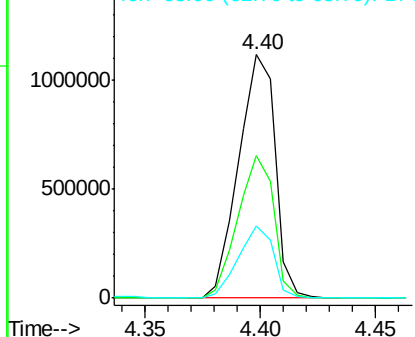
#5

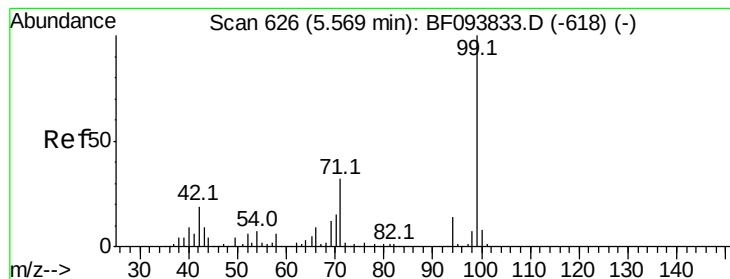
2-Fluorophenol
Concen: 147.65 ng
RT: 4.40 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Tgt Ion:112 Resp: 1244237
Ion Ratio Lower Upper
112 100
64 58.4 46.0 69.0
63 29.6 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.40 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.02 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Instrument :

BNA_F

ClientSampled :

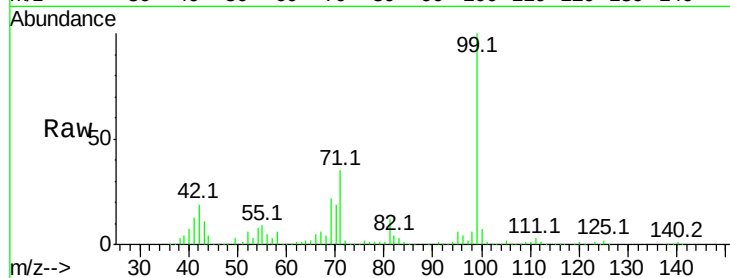
Tot Ion: 99 Resp: 1494950

Ion Ratio Lower Upper

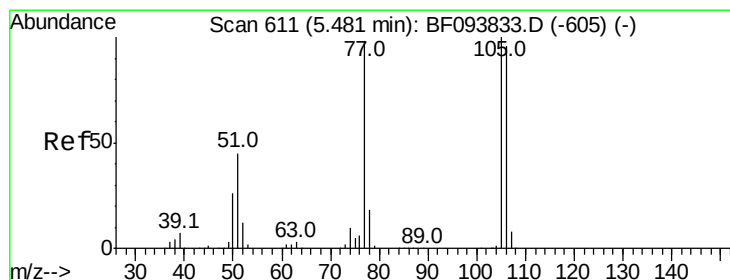
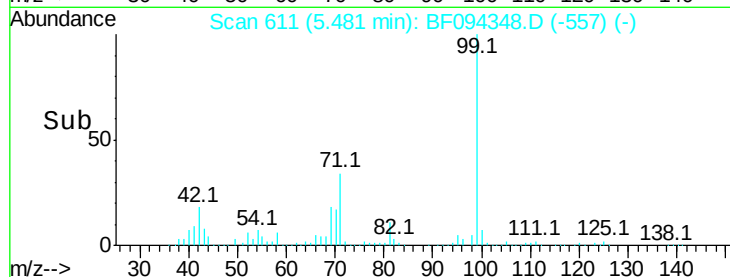
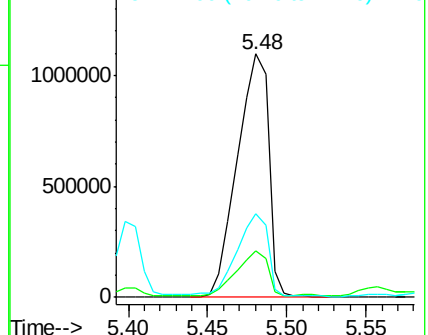
99 100

42 18.9 13.5 20.3

71 34.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 7.60 ng

RT: 5.35 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

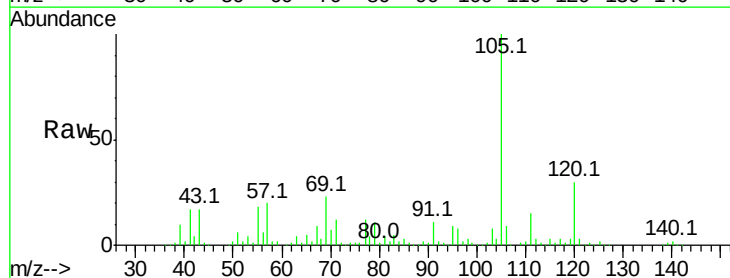
Tgt Ion: 77 Resp: 53520

Ion Ratio Lower Upper

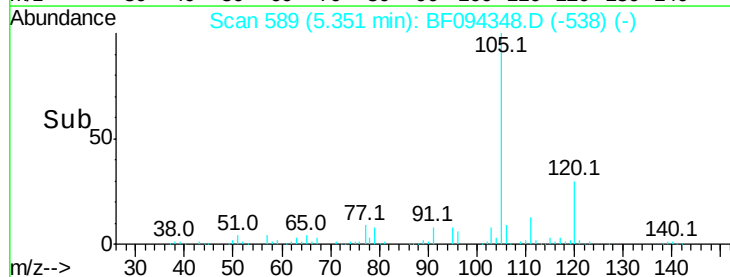
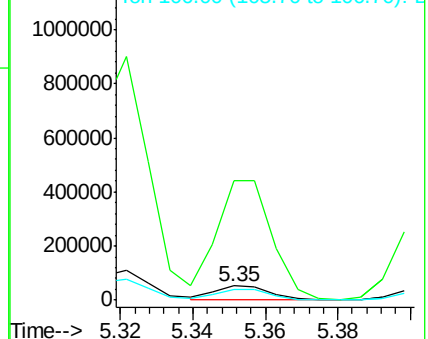
77 100

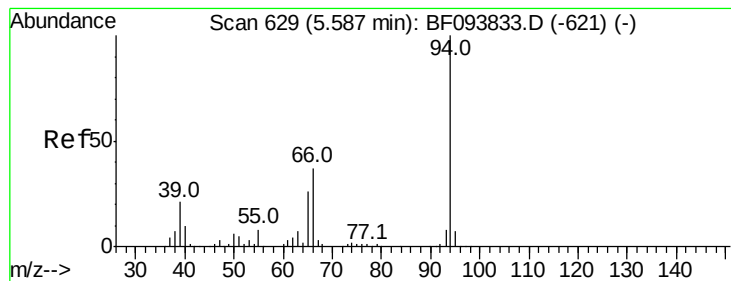
105 829.7 83.8 123.8#

106 77.6 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 8.40 ng

RT: 5.49 min Scan# 613

Delta R.T. 0.01 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Instrument :

BNA_F

ClientSampled :

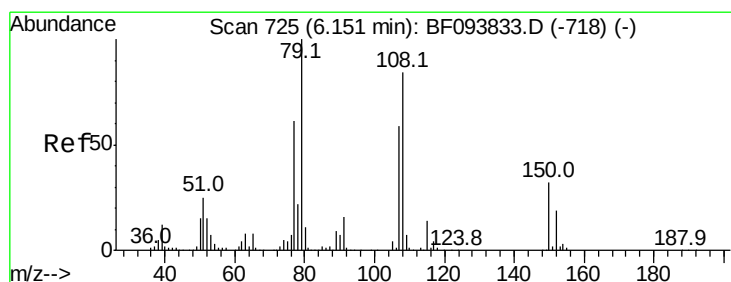
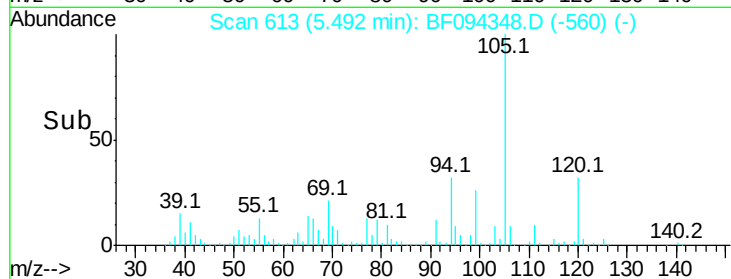
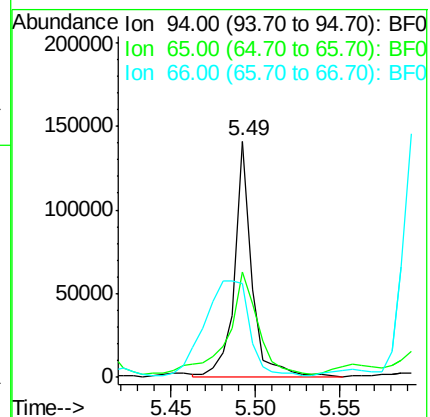
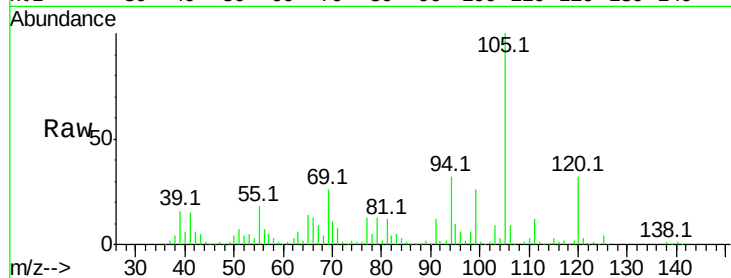
Tot Ion: 94 Resp: 99645

Ion Ratio Lower Upper

94 100

65 44.9 9.9 49.9

66 39.8 23.1 63.1



#15

Benzyl Alcohol

Concen: 3.48 ng

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

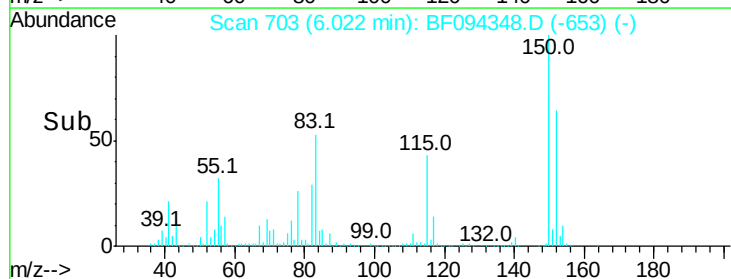
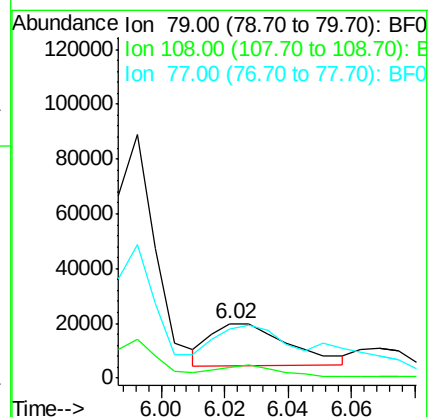
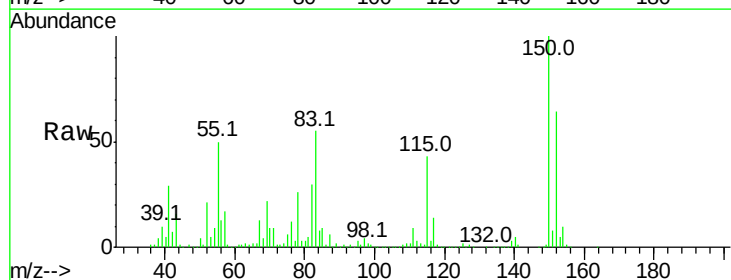
Tgt Ion: 79 Resp: 26582

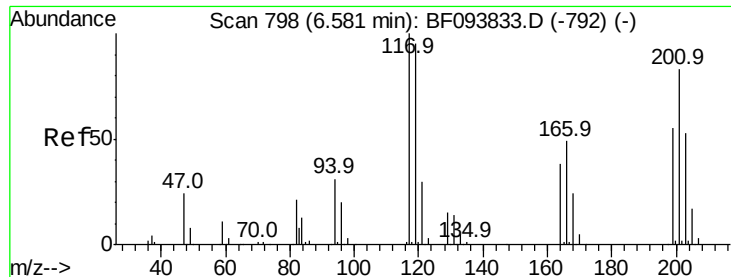
Ion Ratio Lower Upper

79 100

108 20.1 63.4 95.0#

77 89.2 49.2 73.8#

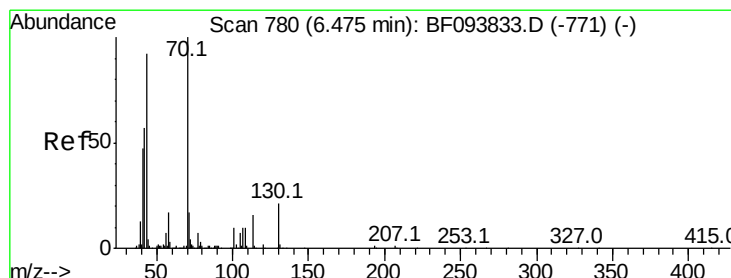
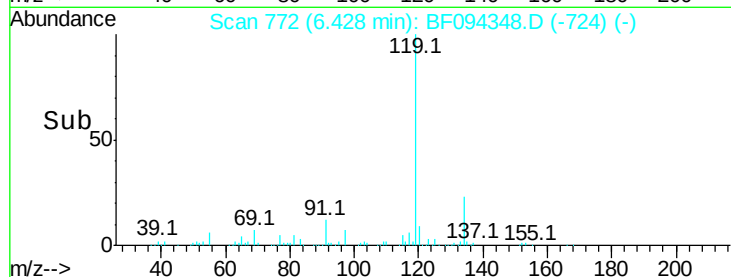
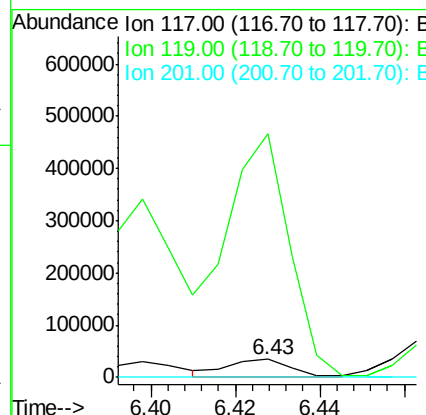
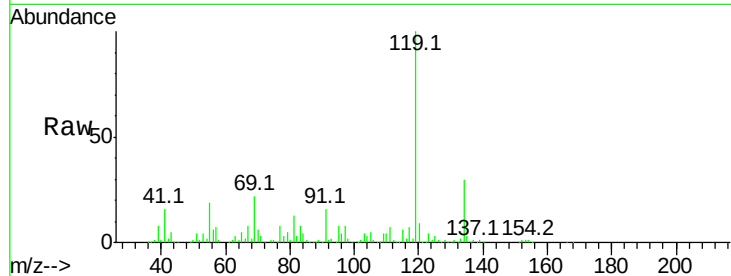




#18
Hexachloroethane
Concen: 10.04 ng
RT: 6.43 min Scan# 772
Delta R.T. -0.02 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

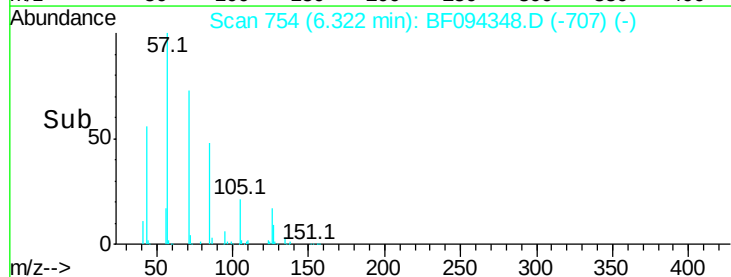
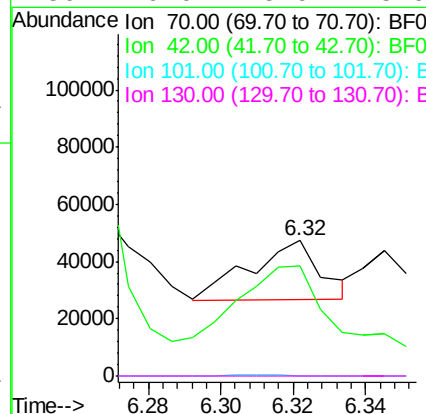
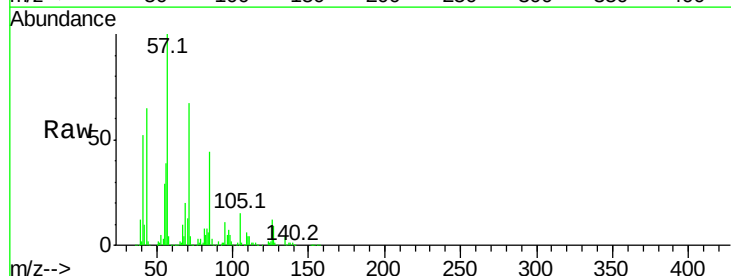
Instrument :
BNA_F
ClientSampleId :

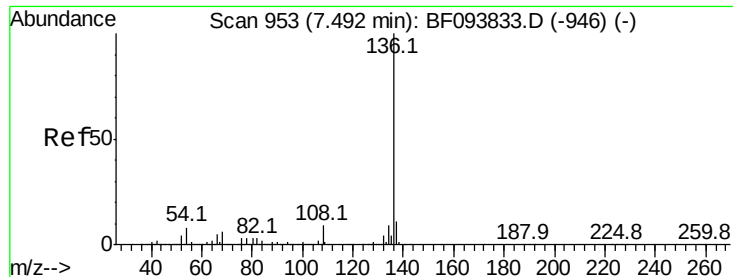
Tot Ion:117 Resp: 37130
Ion Ratio Lower Upper
117 100
119 1358.2 77.4 116.0#
201 0.0 94.6 141.8#



#19
n-Nitroso-di-n-propylamine
Concen: 4.18 ng
RT: 6.32 min Scan# 754
Delta R.T. -0.02 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Tgt Ion: 70 Resp: 28025
Ion Ratio Lower Upper
70 100
42 81.3 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.36 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 425729

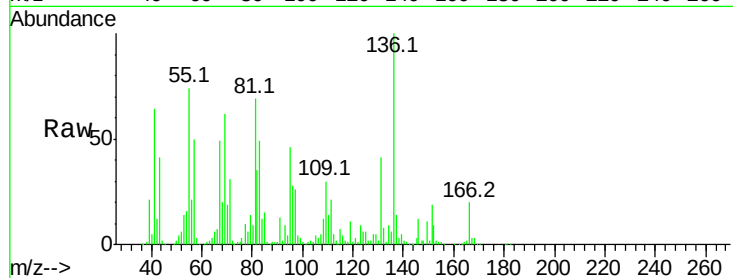
Ion Ratio Lower Upper

136 100

137 14.2 8.5 12.7#

54 15.9 4.9 7.3#

68 19.9 4.1 6.1#

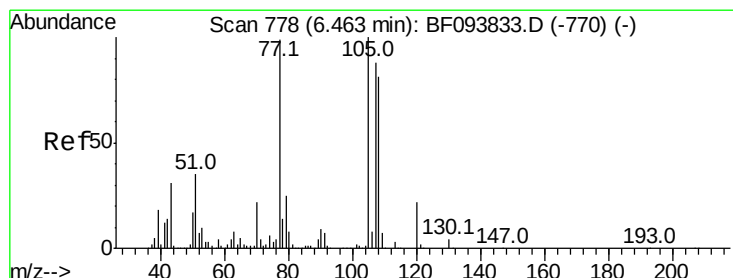
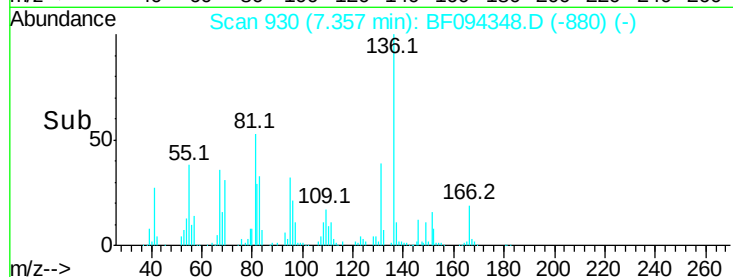
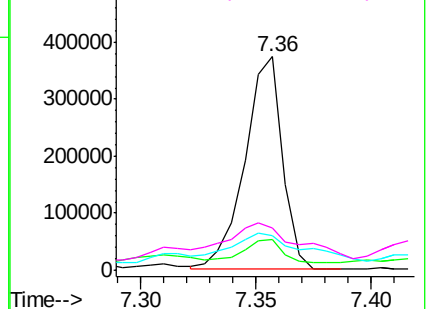


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 46.64 ng

RT: 6.31 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Tgt Ion:105 Resp: 442558

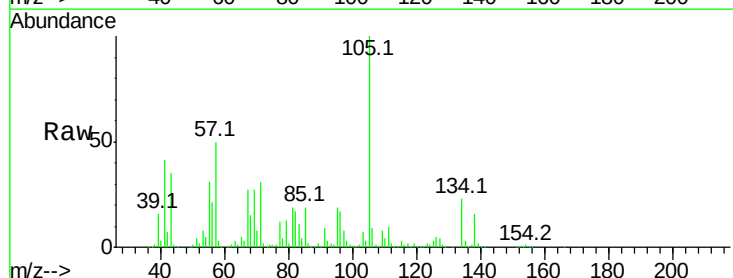
Ion Ratio Lower Upper

105 100

71 31.3 2.8 4.2#

51 4.5 30.7 46.1#

120 0.2 17.4 26.0#

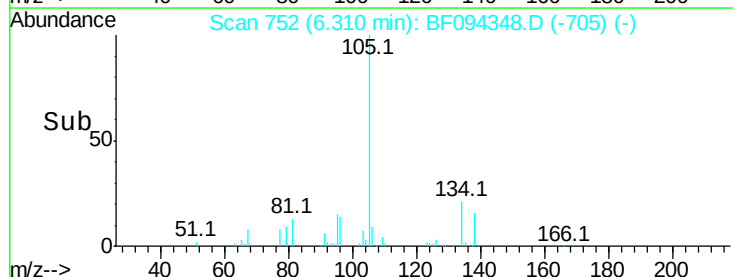
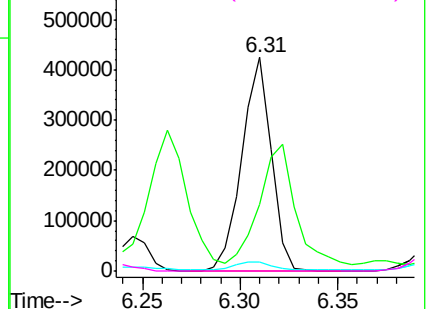


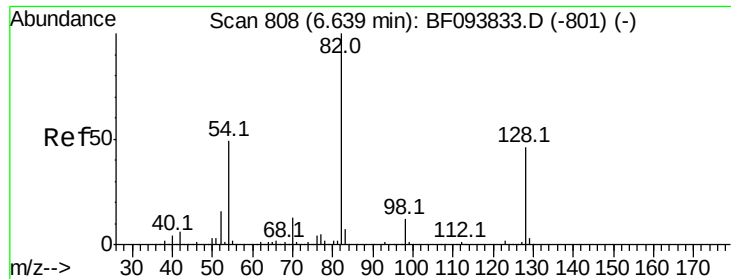
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

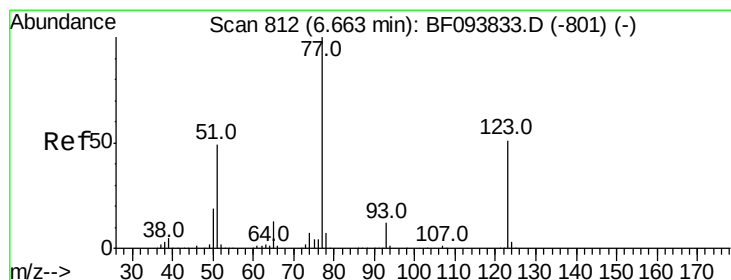
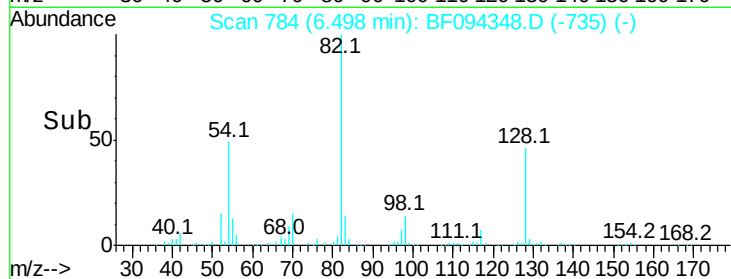
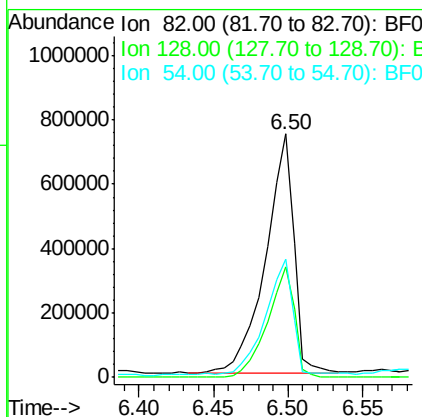
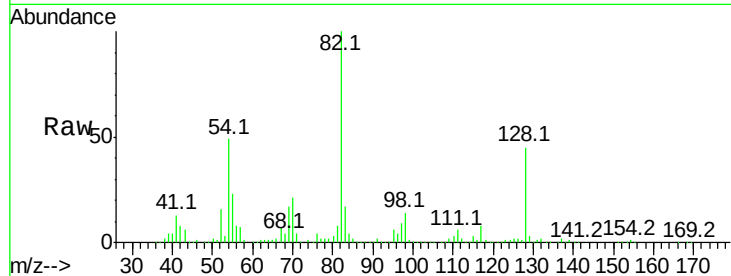




#23
 Nitrobenzene-d5
 Concen: 130.43 ng
 RT: 6.50 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

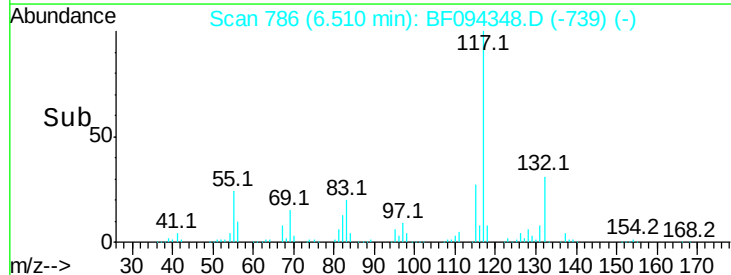
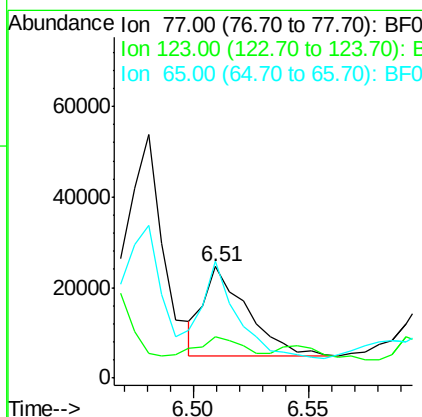
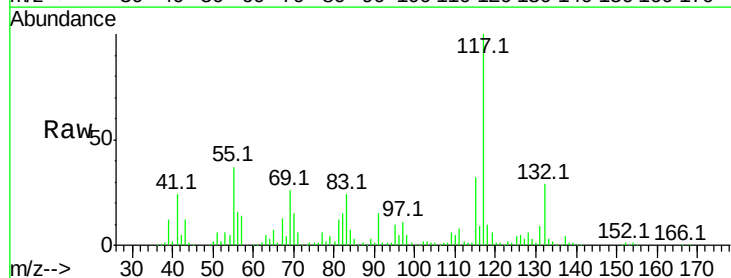
Instrument :
 BNA_F
 ClientSampleId :

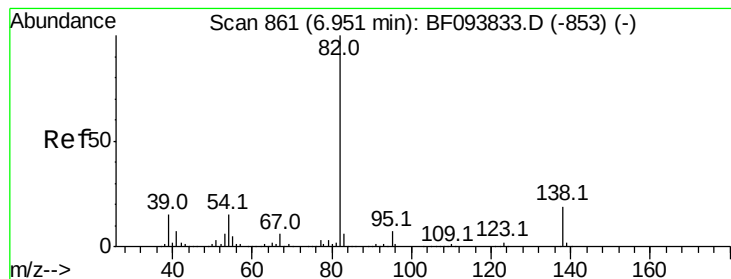
Tot Ion: 82 Resp: 972967
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.0 51.0
 54 48.5 42.2 63.2



#24
 Nitrobenzene
 Concen: 3.54 ng
 RT: 6.51 min Scan# 786
 Delta R.T. -0.02 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

Tgt Ion: 77 Resp: 26029
 Ion Ratio Lower Upper
 77 100
 123 36.7 35.8 53.8
 65 105.1 10.6 15.8#





#25

Isophorone

Concen: 10.97 ng

RT: 6.80 min Scan# 835

Delta R.T. -0.02 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Instrument :

BNA_F

ClientSampled :

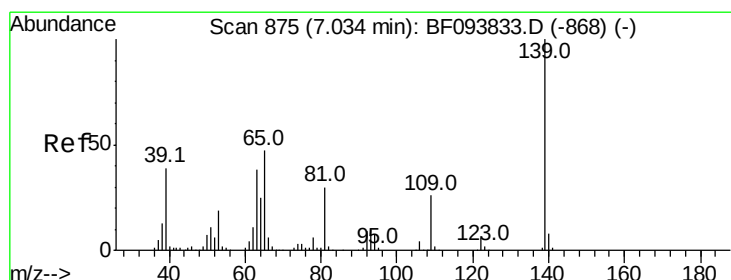
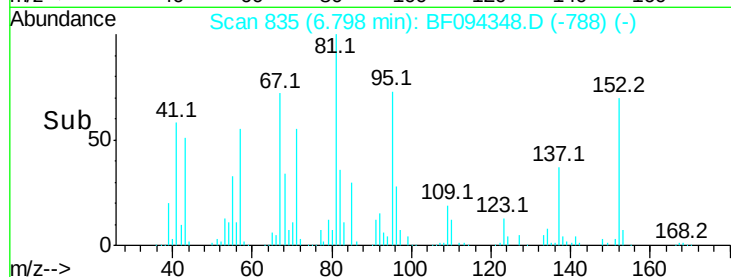
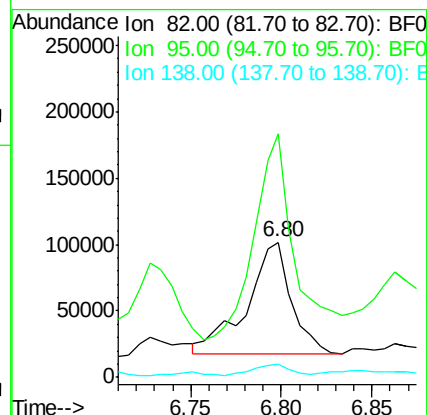
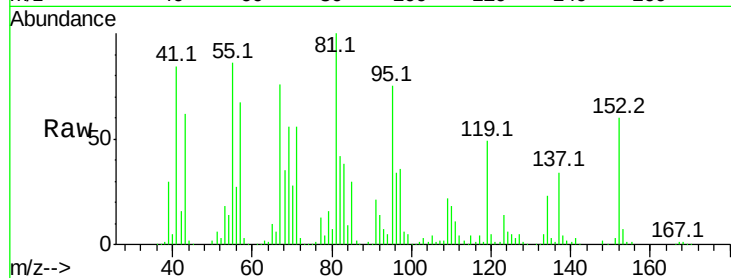
Tot Ion: 82 Resp: 143815

Ion Ratio Lower Upper

82 100

95 180.0 5.3 7.9#

138 9.5 13.1 19.7#



#26

2-Nitrophenol

Concen: 5.37 ng

RT: 6.93 min Scan# 857

Delta R.T. 0.02 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

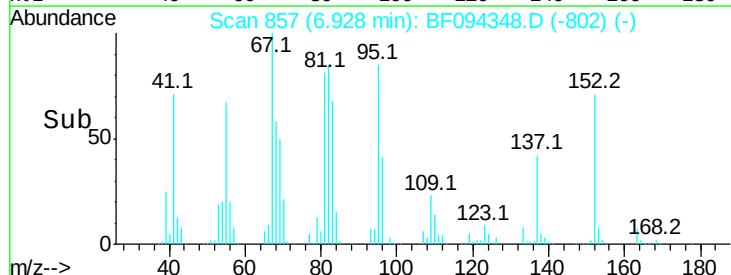
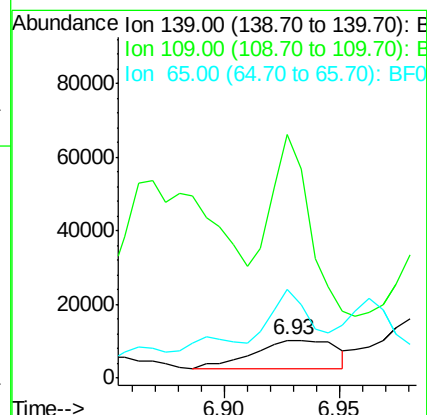
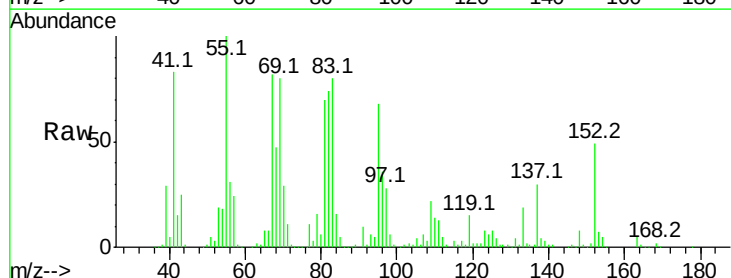
Tgt Ion: 139 Resp: 18826

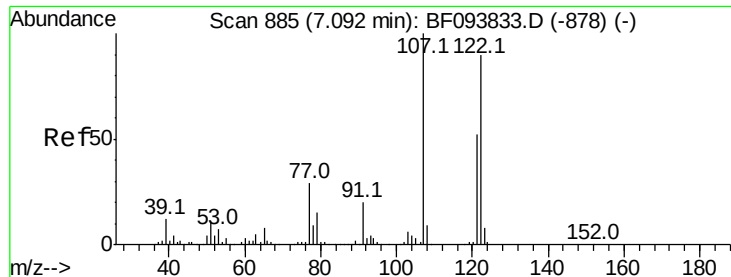
Ion Ratio Lower Upper

139 100

109 638.4 21.0 31.6#

65 233.6 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 2.62 ng

RT: 6.94 min Scan# 859

Delta R.T. -0.04 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Instrument :

BNA_F

ClientSampled :

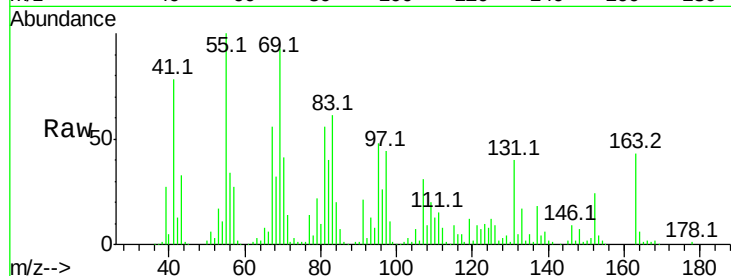
Tot Ion:122 Resp: 15848

Ion Ratio Lower Upper

122 100

107 411.1 89.2 133.8#

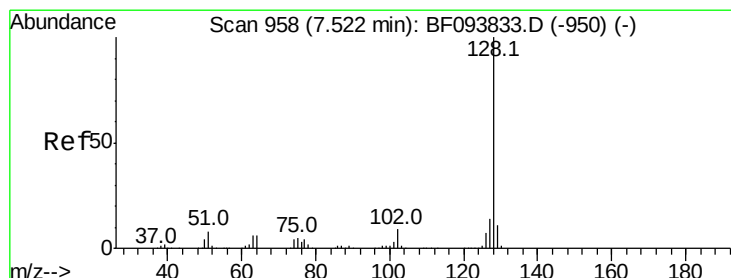
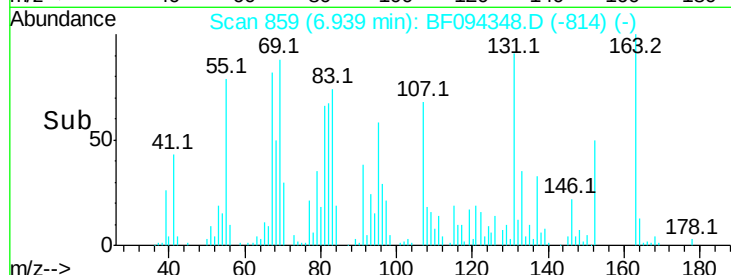
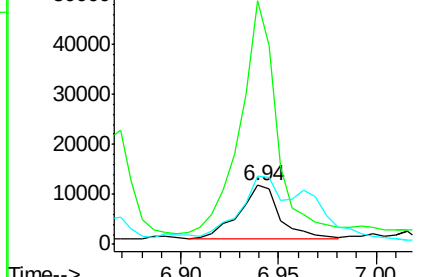
121 115.7 45.2 67.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 4.16 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

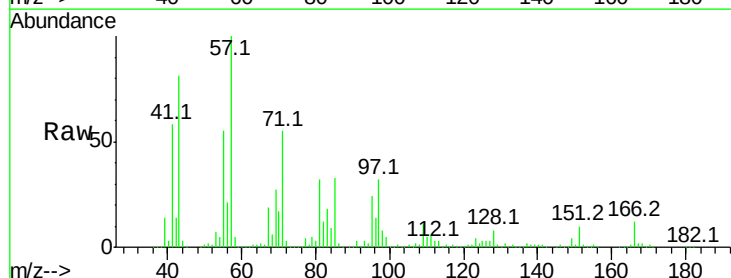
Tgt Ion:128 Resp: 85163

Ion Ratio Lower Upper

128 100

129 12.9 9.0 13.6

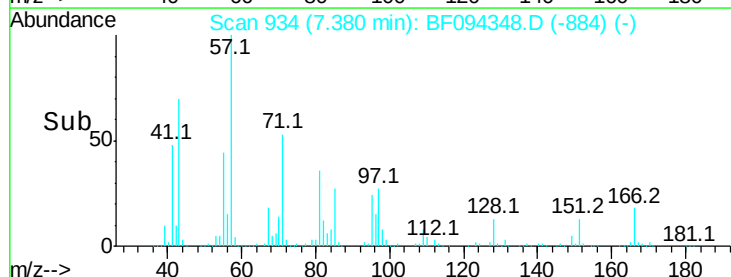
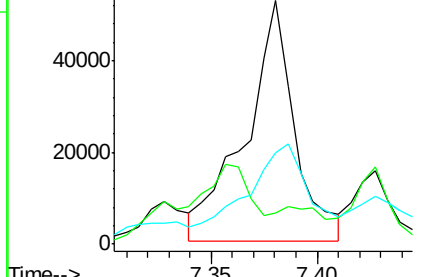
127 37.5 10.8 16.2#

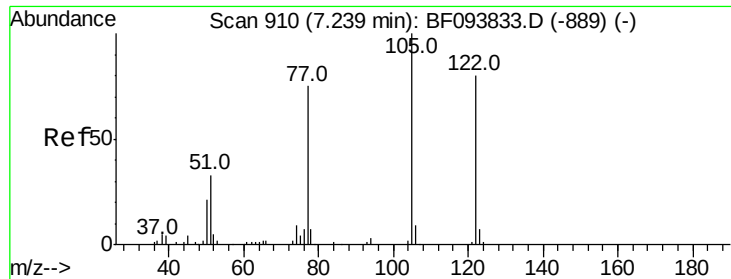


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

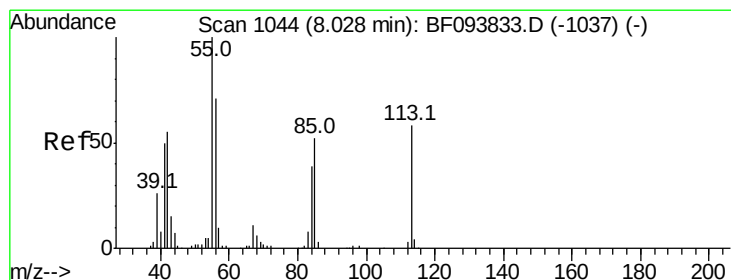
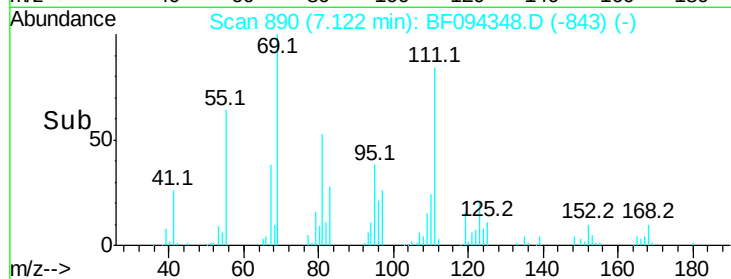
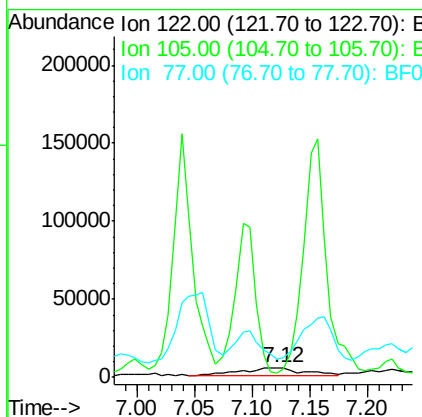
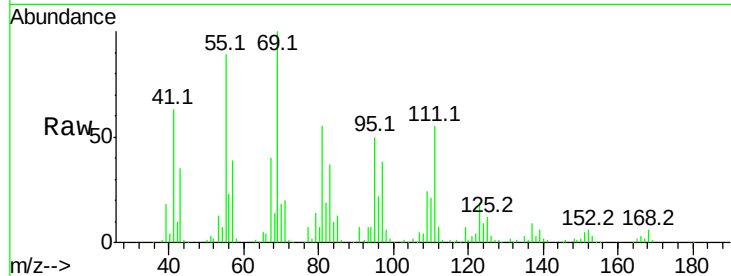




#32
Benzoic acid
Concen: 4.82 ng
RT: 7.12 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

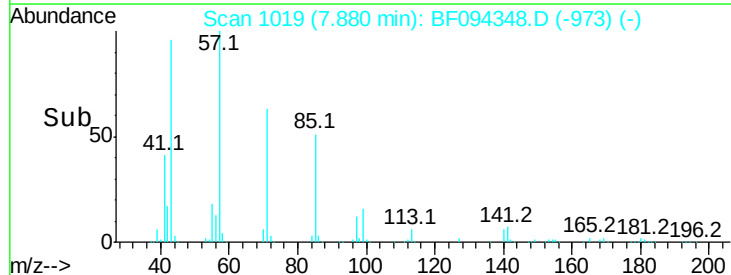
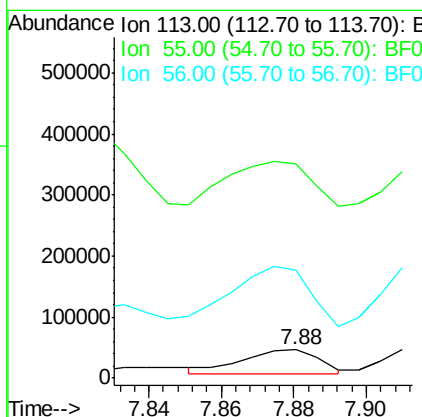
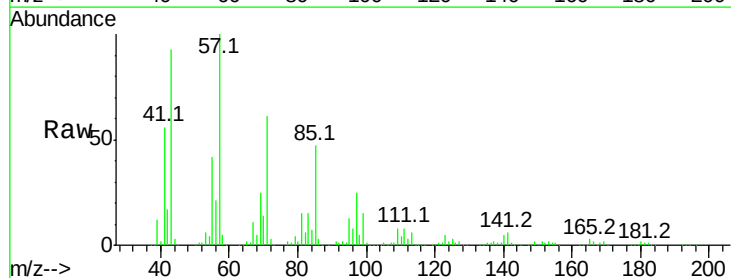
Instrument :
BNA_F
ClientSampleId :

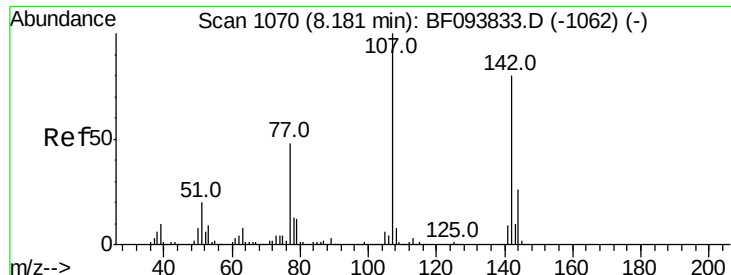
Tot Ion:122 Resp: 19414
Ion Ratio Lower Upper
122 100
105 45.6 103.3 143.3#
77 184.6 73.7 113.7#



#35
Caprolactam
Concen: 33.21 ng
RT: 7.88 min Scan# 1019
Delta R.T. -0.03 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Tgt Ion:113 Resp: 59865
Ion Ratio Lower Upper
113 100
55 761.6 150.2 190.2#
56 382.5 107.8 147.8#

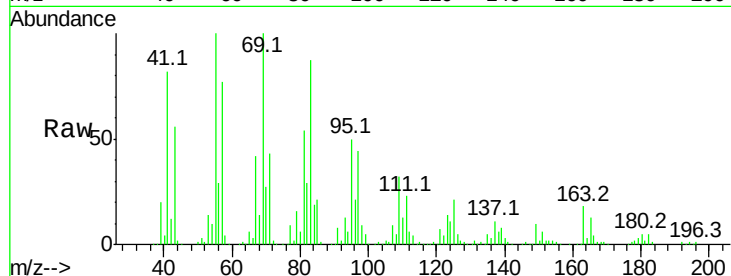




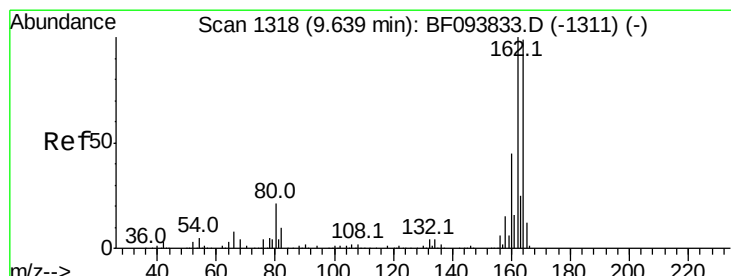
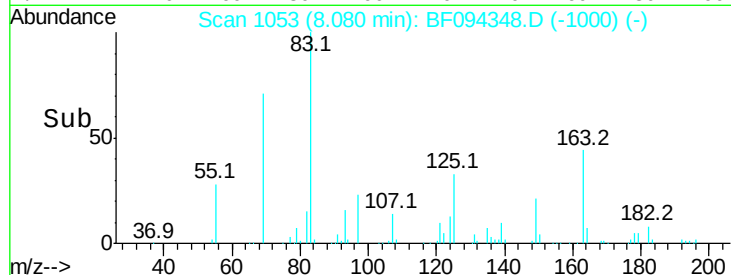
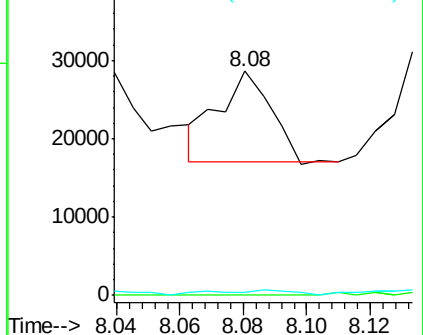
#36
4-Chloro-3-methylphenol
Concen: 2.22 ng
RT: 8.08 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 13130
Ion Ratio Lower Upper
107 100
144 0.0 24.2 36.4#
142 1.2 73.4 110.0#

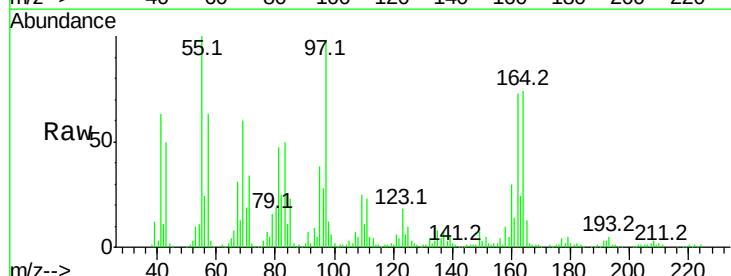


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

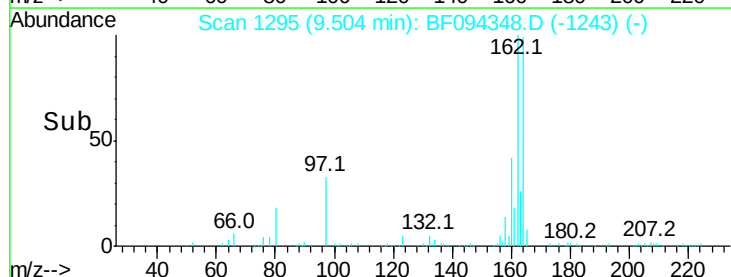
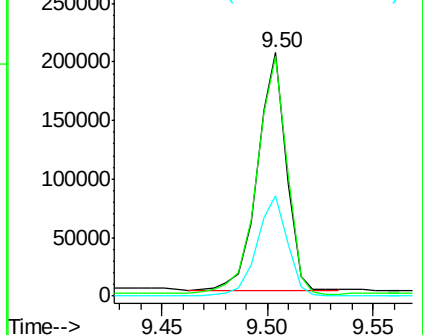


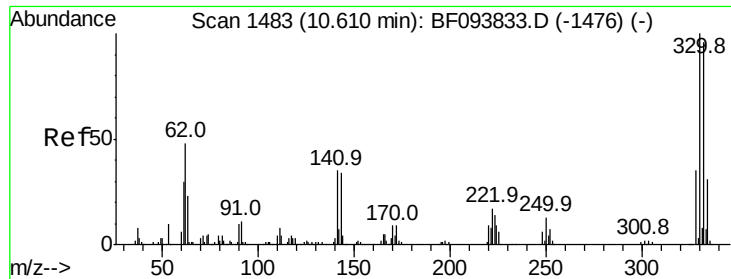
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Tgt Ion:164 Resp: 190357
Ion Ratio Lower Upper
164 100
162 98.7 82.6 123.8
160 41.4 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

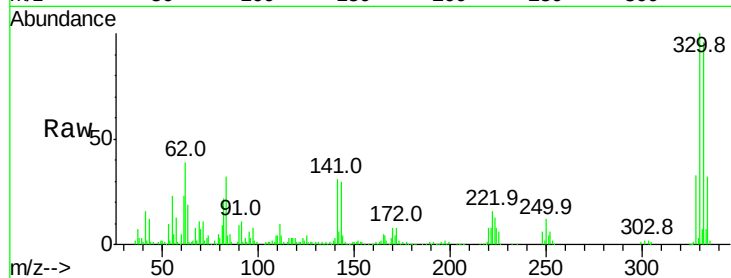




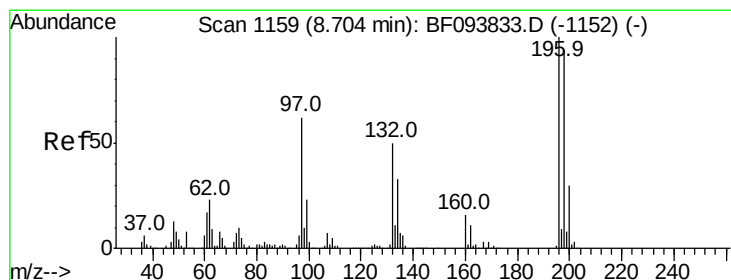
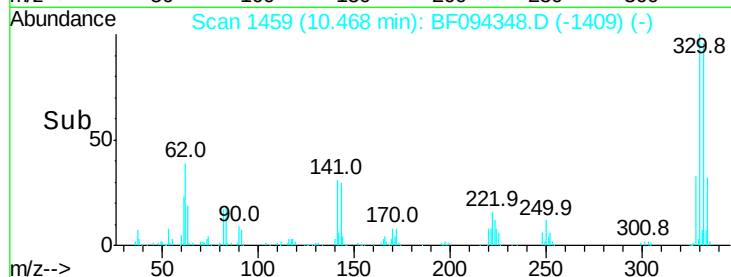
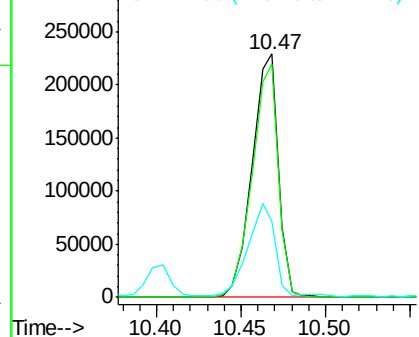
#41
 2,4,6-Tribromophenol
 Concen: 166.68 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	38.5	31.4	47.2

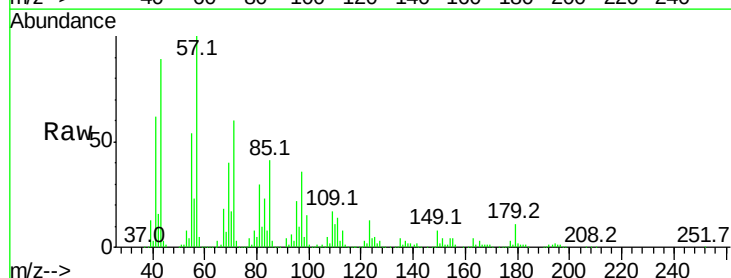


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

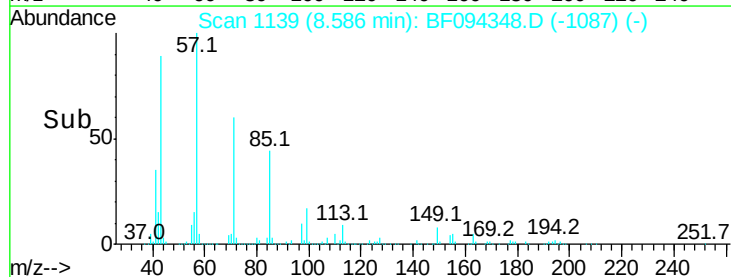
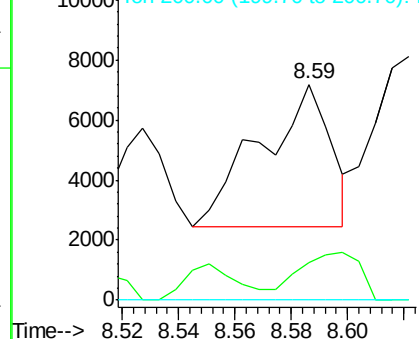


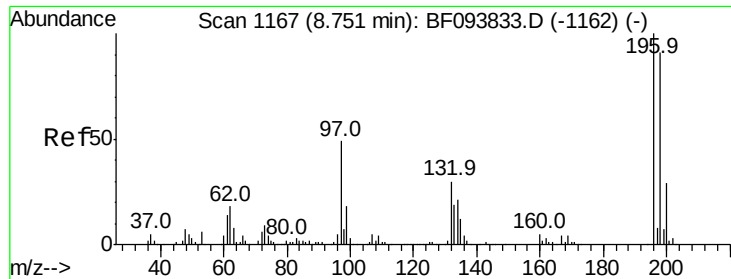
#42
 2,4,6-Trichlorophenol
 Concen: 2.24 ng
 RT: 8.59 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

Tgt Ion	Ratio	Lower	Upper
196	100		
198	17.6	74.2	111.4#
200	0.0	24.0	36.0#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

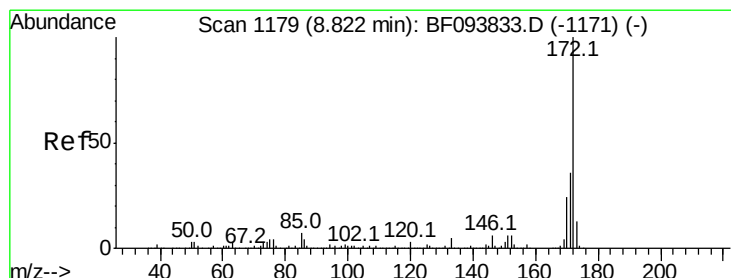
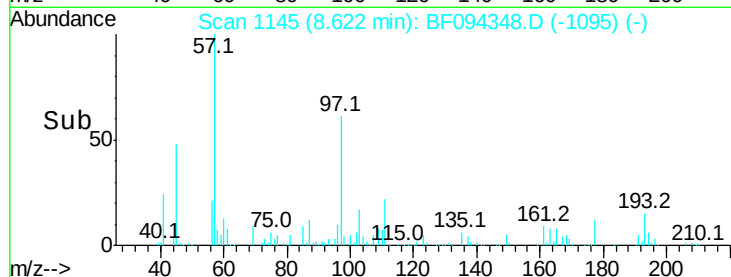
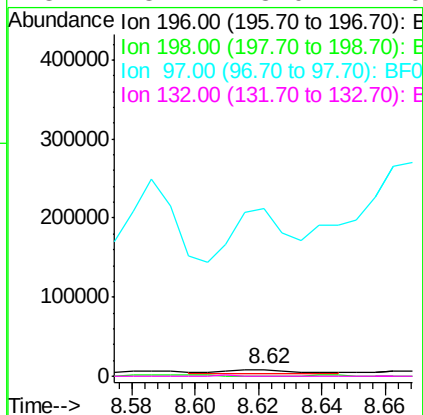
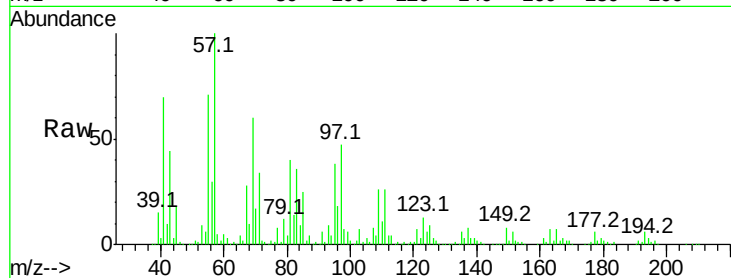




#43
 2,4,5-Trichlorophenol
 Concen: 2.15 ng
 RT: 8.62 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

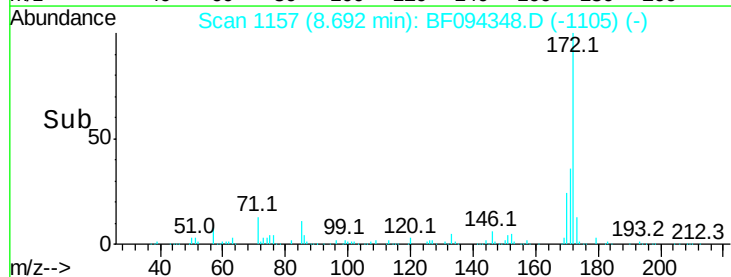
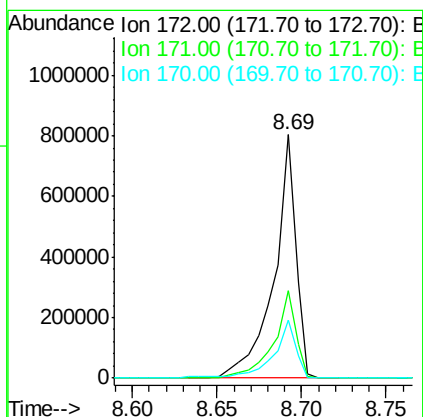
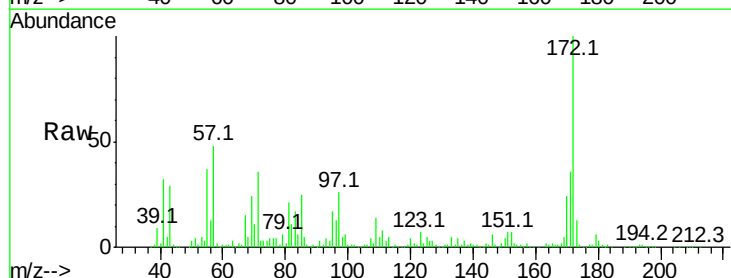
Instrument :
 BNA_F
 ClientSampleId :

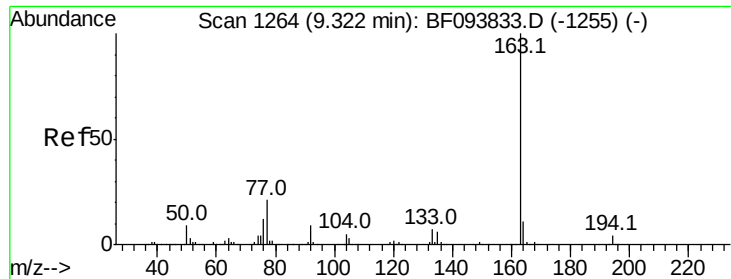
Tot Ion:196 Resp: 8568
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.7 113.5#
 97 2610.6 47.7 71.5#
 132 8.1 28.0 42.0#



#44
 2-Fluorobiphenyl
 Concen: 58.10 ng
 RT: 8.69 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

Tgt Ion:172 Resp: 725041
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.0 19.8 29.8

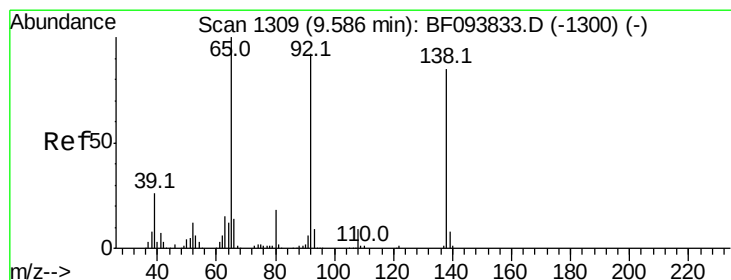
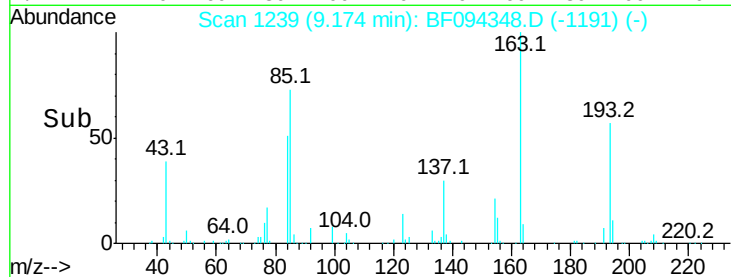
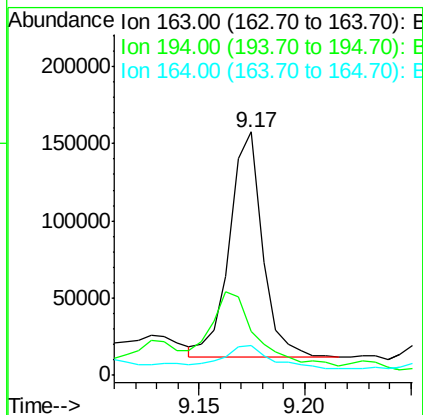
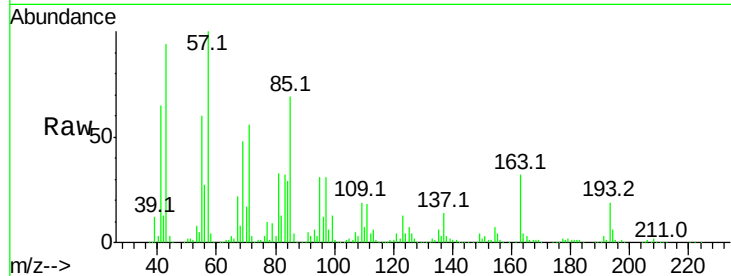




#49
Dimethylphthalate
Concen: 11.70 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

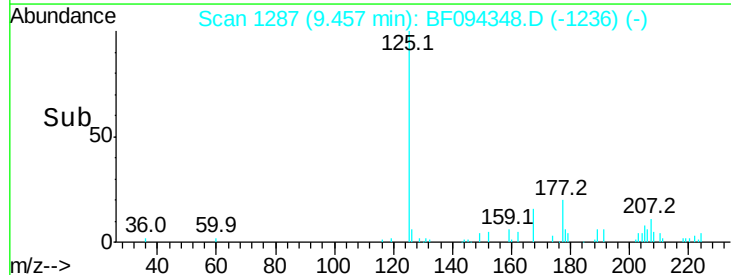
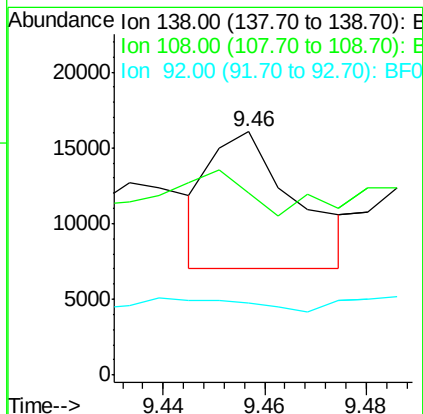
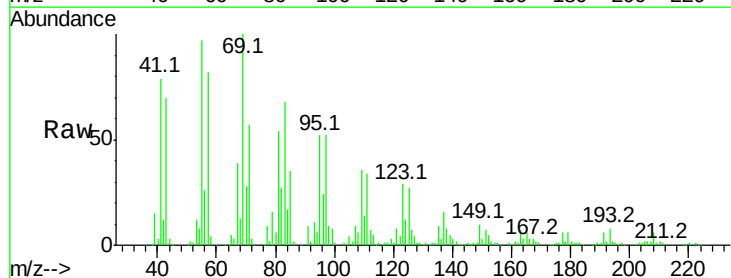
Instrument :
BNA_F
ClientSampleId :

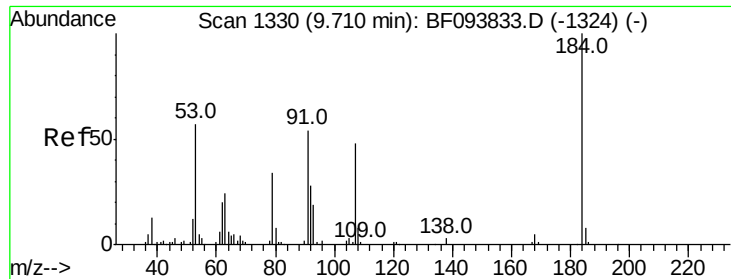
Tot Ion:163 Resp: 158374
Ion Ratio Lower Upper
163 100
194 18.3 2.6 4.0#
164 12.3 8.4 12.6



#52
3-Nitroaniline
Concen: 2.88 ng
RT: 9.46 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF094348.D
Acq: 11 Apr 2017 9:39

Tgt Ion:138 Resp: 10505
Ion Ratio Lower Upper
138 100
108 74.9 9.1 13.7#
92 29.4 93.8 140.6#

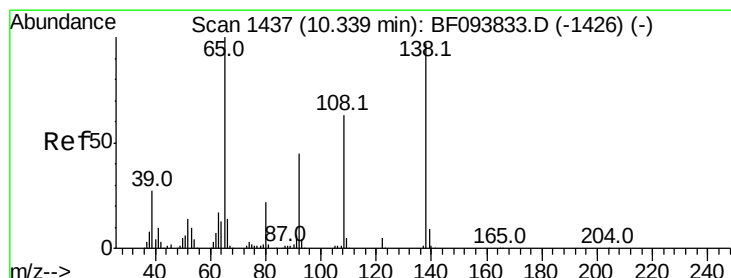
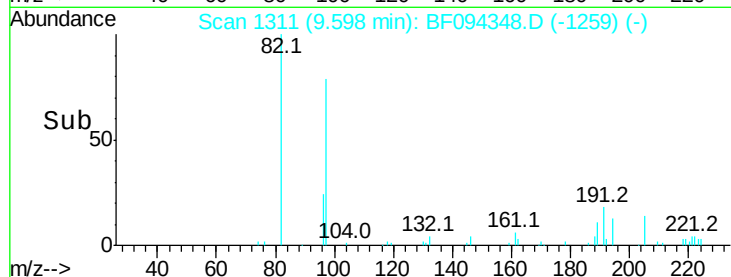
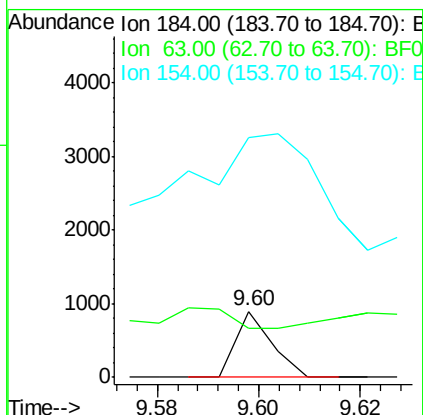
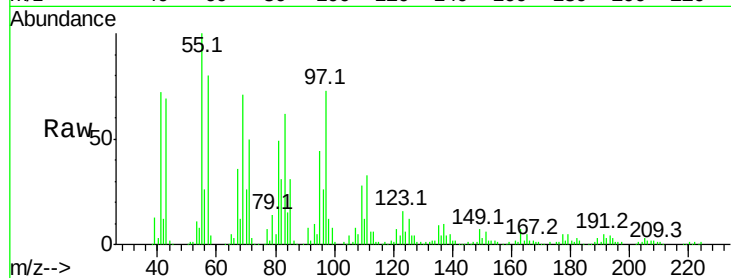




#53
 2,4-Dinitrophenol
 Concen: 4.92 ng
 RT: 9.60 min Scan# 1311
 Delta R.T. 0.01 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

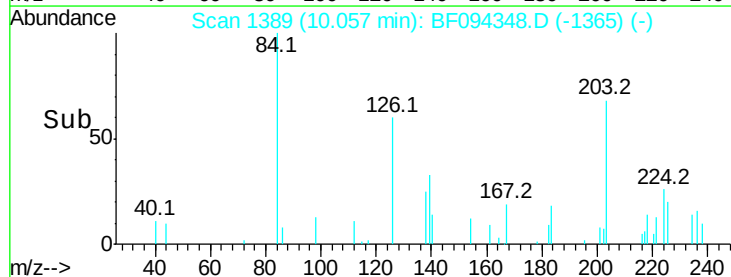
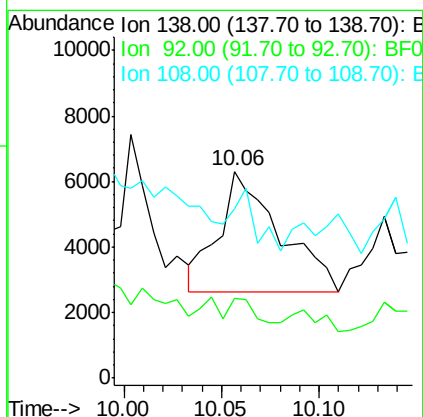
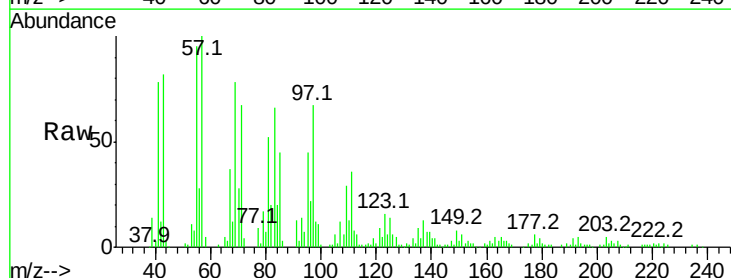
Instrument :
 BNA_F
 ClientSampleId :

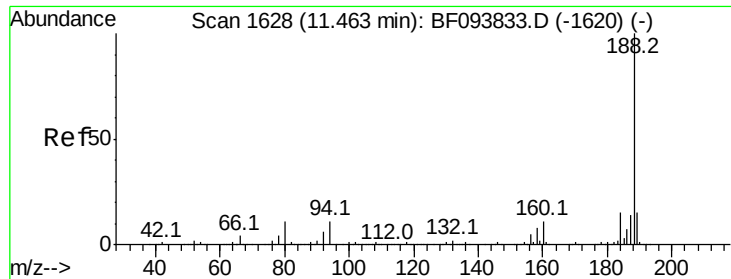
Tot Ion:184 Resp: 445
 Ion Ratio Lower Upper
 184 100
 63 73.1 62.7 94.1
 154 361.1 81.1 121.7#



#61
 4-Nitroaniline
 Concen: 2.27 ng
 RT: 10.06 min Scan# 1389
 Delta R.T. -0.16 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

Tgt Ion:138 Resp: 7925
 Ion Ratio Lower Upper
 138 100
 92 38.7 21.8 61.8
 108 81.8 42.3 82.3

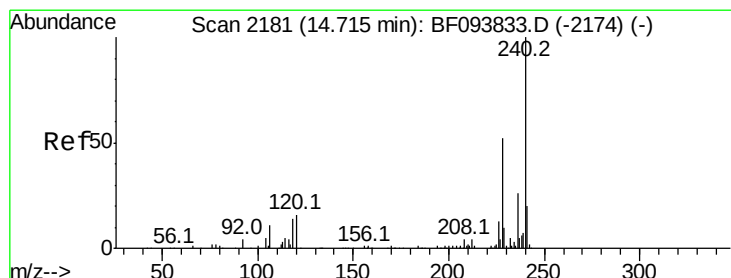
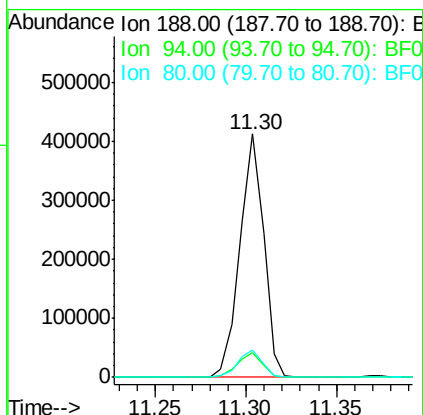
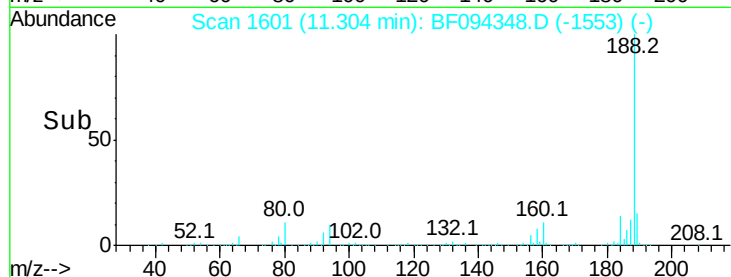
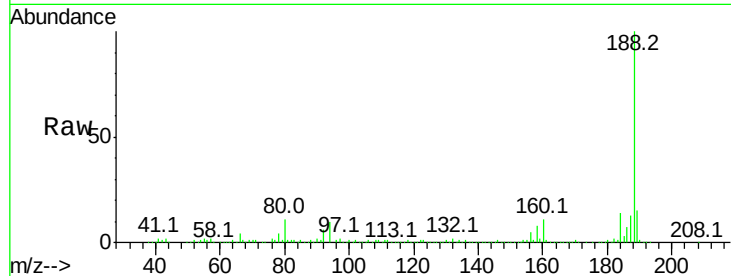




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1601
 Delta R.T. -0.02 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

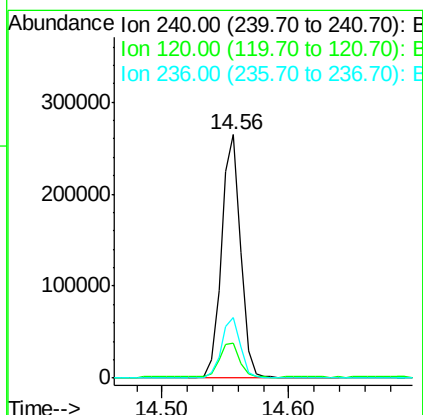
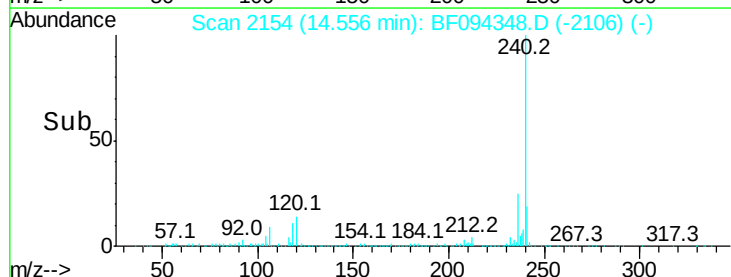
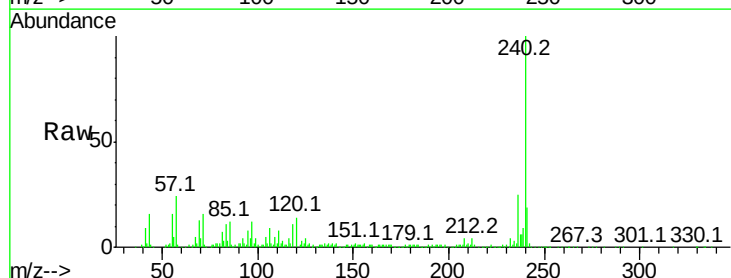
Instrument :
 BNA_F
 ClientSampled :

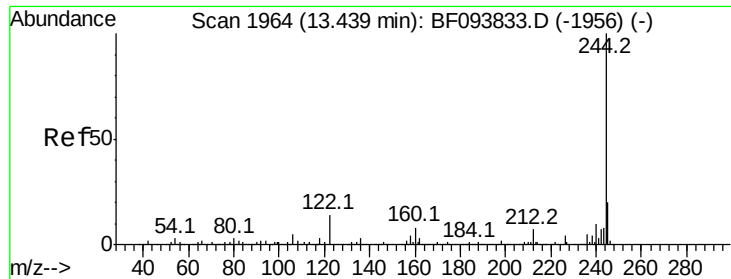
Tot Ion:188 Resp: 379281
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 11.2 10.2 15.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.56 min Scan# 2154
 Delta R.T. -0.02 min
 Lab File: BF094348.D
 Acq: 11 Apr 2017 9:39

Tgt Ion:240 Resp: 277256
 Ion Ratio Lower Upper
 240 100
 120 14.3 5.8 8.8#
 236 24.8 20.5 30.7





#78

Terphenyl-d14

Concen: 79.07 ng

RT: 13.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

Instrument :

BNA_F

ClientSampleId :

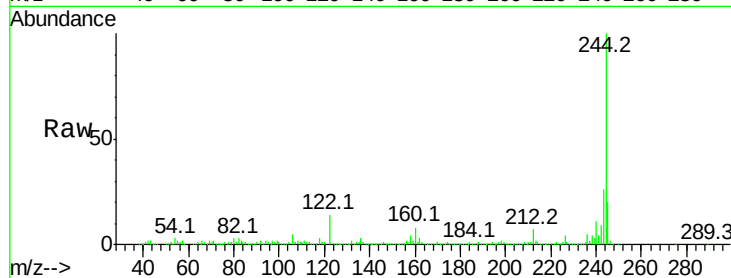
Tot Ion:244 Resp: 978008

Ion Ratio Lower Upper

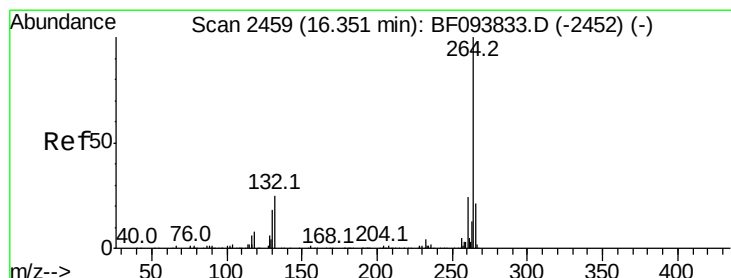
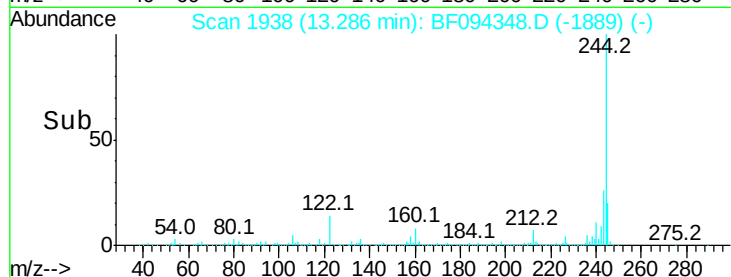
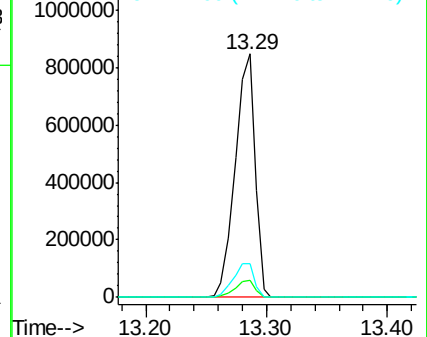
244 100

212 7.0 6.0 9.0

122 13.7 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.19 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BF094348.D

Acq: 11 Apr 2017 9:39

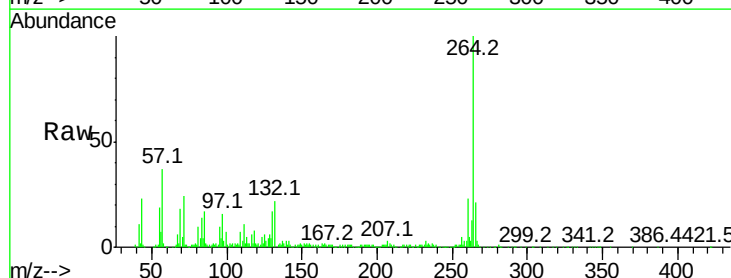
Tgt Ion:264 Resp: 220500

Ion Ratio Lower Upper

264 100

260 22.9 19.5 29.3

265 21.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

