

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122217\
 Data File : BF101685.D
 Acq On : 23 Dec 2017 6:48
 Operator : SJ/JU
 Sample : I6827-18
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Quant Time: Dec 24 22:31:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	158840	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	385607	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	278421	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	485997	20.00	ng	0.00
75) Chrysene-d12	13.96	240	331496	20.00	ng	0.00
86) Perylene-d12	15.43	264	291450	20.00	ng	0.00

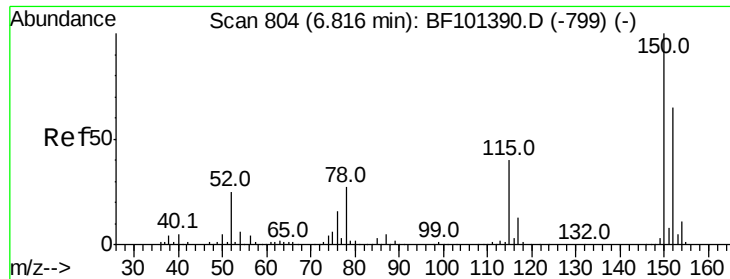
System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	569165	53.38	ng	0.06
7) Phenol-d6	6.49	99	1033126	77.85	ng	0.05
23) Nitrobenzene-d5	7.36	82	997891	144.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	329723	122.90	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1578465	87.95	ng	0.00
78) Terphenyl-d14	12.90	244	1373538	99.89	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.48	79	77161	5.069	ng	93
6) Aniline	6.50	93	39075	2.119	ng	# 1
10) Phenol	6.50	94	2291650	151.505	ng	97
11) bis(2-Chloroethyl)ether	6.50	93	39075	3.293	ng	# 1
17) 2-Methylphenol	7.08	107	1016150	98.481	ng	98
18) Hexachloroethane	7.22	117	208321	46.347	ng	# 3
19) n-Nitroso-di-n-propylamine	7.36	70	135145	15.507	ng	# 84
20) 3+4-Methylphenols	7.25	107	2539836	232.287	ng	87
22) Acetophenone	7.22	105	42383	4.817	ng	# 1
24) Nitrobenzene	7.49	77	131190	17.112	ng	# 59
25) Isophorone	7.36	82	997885	71.809	ng	# 64
27) 2,4-Dimethylphenol	7.76	122	1165821	208.346	ng	97
31) Naphthalene	8.12	128	9232559	475.589	ng	97
32) Benzoic acid	7.90	122	1062373	243.001	ng	# 14
33) 4-Chloroaniline	8.12	127	1335547	158.287	ng	# 35
37) 2-Methylnaphthalene	8.79	142	866846	68.537	ng	99
45) 1,1'-Biphenyl	9.25	154	200288	8.112	ng	97
48) Acenaphthylene	9.69	152	1088936	36.491	ng	98
51) Acenaphthene	9.86	154	252122	14.063	ng	98
53) 2,4-Dinitrophenol	9.97	184	311	10.491	ng	# 1
54) Dibenzofuran	10.03	168	529748	23.251	ng	99
55) 4-Nitrophenol	9.96	139	8625	3.486	ng	# 50
57) Fluorene	10.37	166	498401	25.859	ng	99
66) 4-Bromophenyl-phenylether	10.63	248	19908	3.646	ng	# 1
70) Phenanthrene	11.34	178	562210	20.802	ng	99
71) Anthracene	11.39	178	126308	4.575	ng	96
72) Carbazole	11.56	167	1380700	53.417	ng	99
74) Fluoranthene	12.53	202	82271	2.900	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF101685.D

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Instrument :

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ClientSampleId :

WC-4539-01

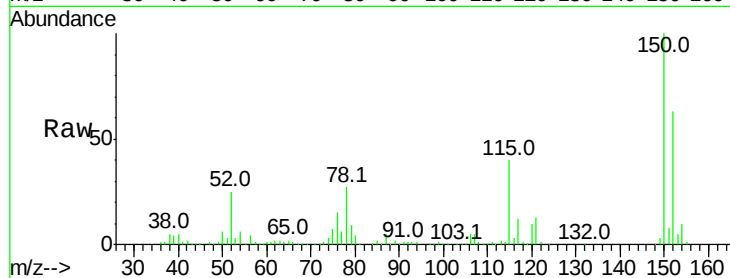
Tot Ion:152 Resp: 158840

Ion Ratio Lower Upper

152 100

150 158.7 124.6 186.8

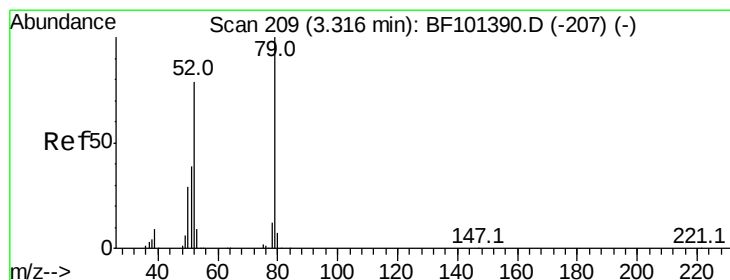
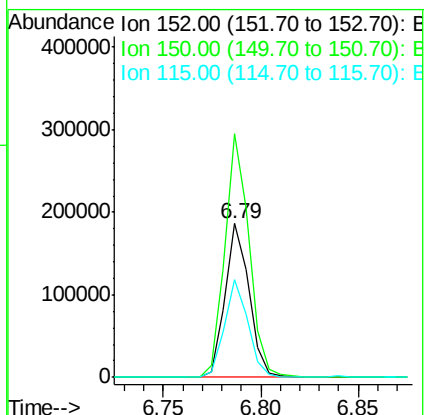
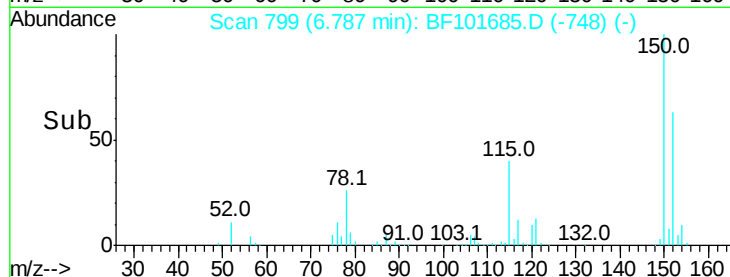
115 63.6 50.1 75.1



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



#3

Pyridine

Concen: 5.069 ng

RT: 3.48 min Scan# 236

Delta R.T. 0.22 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

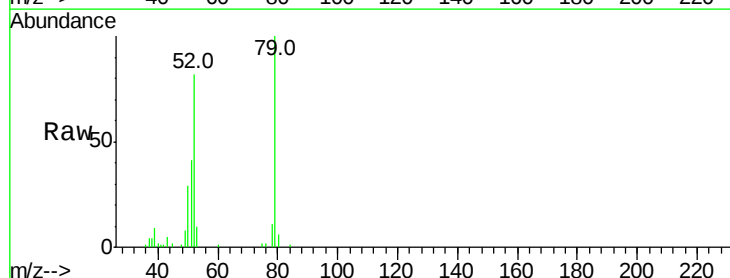
Tgt Ion: 79 Resp: 77161

Ion Ratio Lower Upper

79 100

52 81.6 59.8 89.6

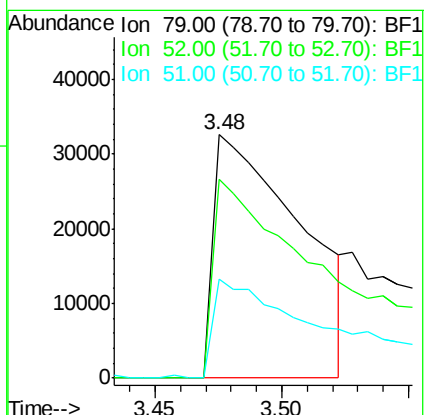
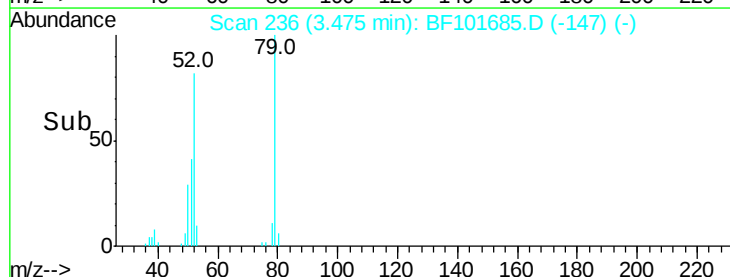
51 40.9 29.8 44.8

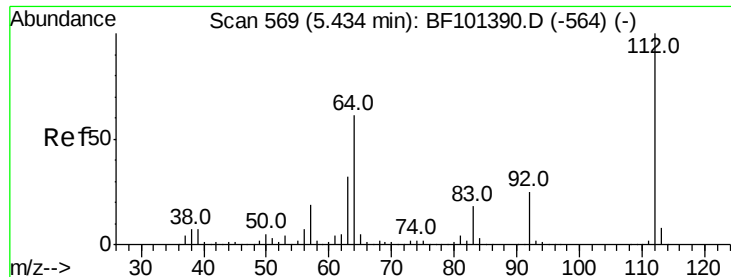


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 53.375 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.06 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

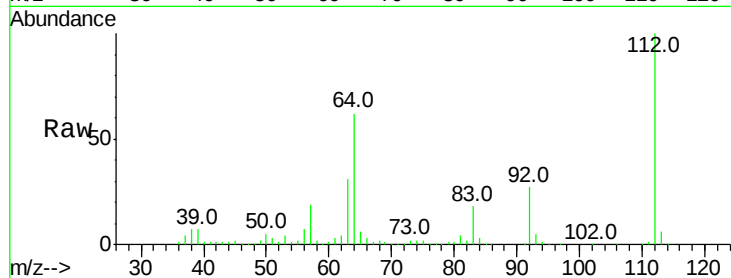
Tot Ion:112 Resp: 569165

Ion Ratio Lower Upper

112 100

64 62.0 47.9 71.9

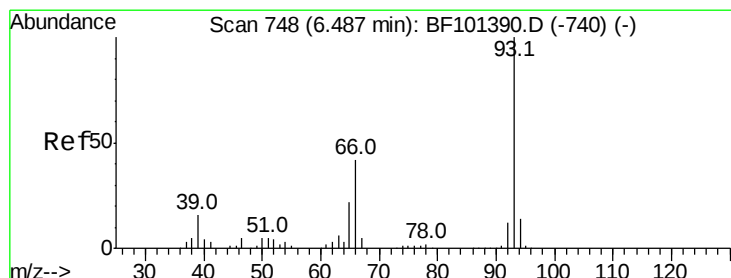
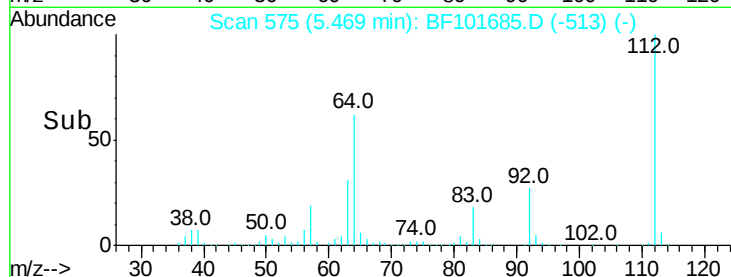
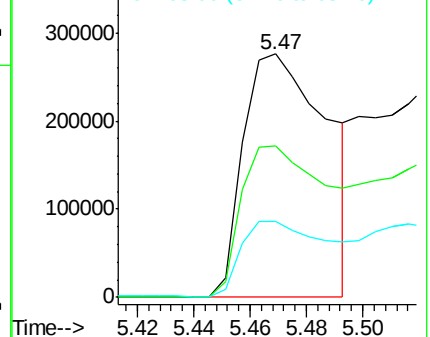
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 2.119 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.04 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

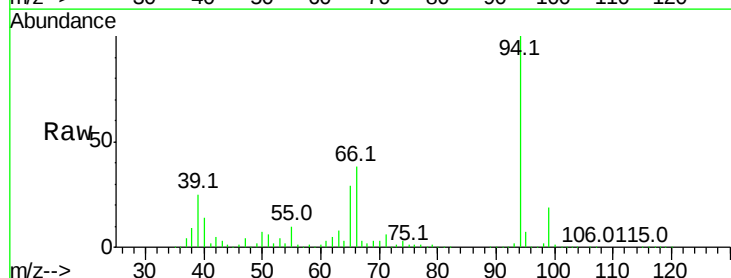
Tgt Ion: 93 Resp: 39075

Ion Ratio Lower Upper

93 100

66 1649.8 32.2 48.2#

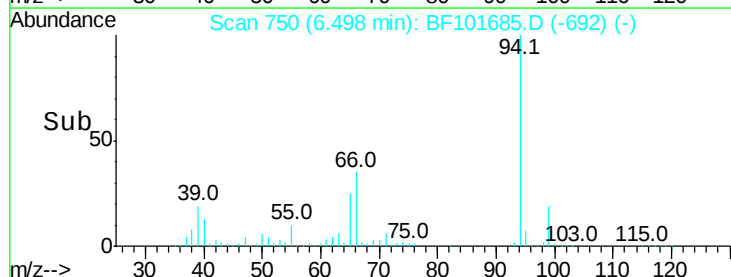
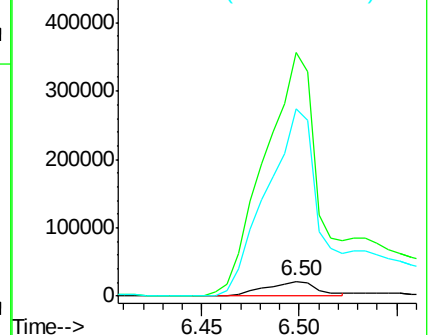
65 1267.7 16.4 24.6#

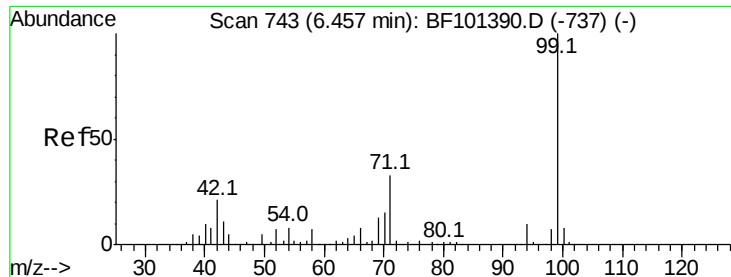


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 77.848 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.05 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

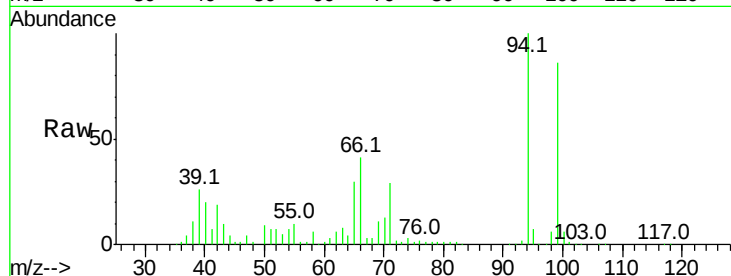
Tot Ion: 99 Resp: 1033126

Ion	Ratio	Lower	Upper
99	100		
42	21.5	14.5	21.7
71	33.8	25.4	38.0

99 100

42 21.5 14.5 21.7

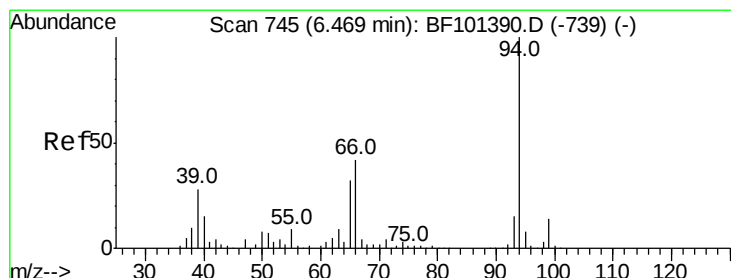
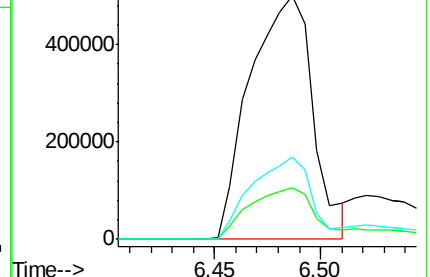
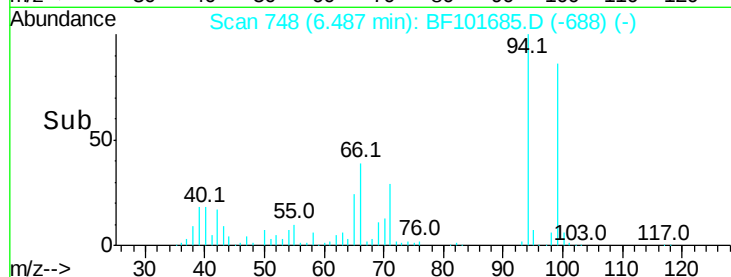
71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 151.505 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.05 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

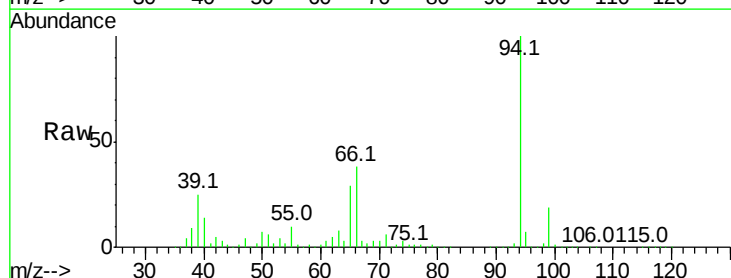
Tgt Ion: 94 Resp: 2291650

Ion	Ratio	Lower	Upper
94	100		
65	29.2	7.9	47.9
66	38.0	16.2	56.2

94 100

65 29.2 7.9 47.9

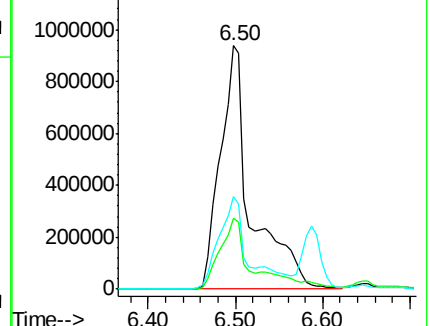
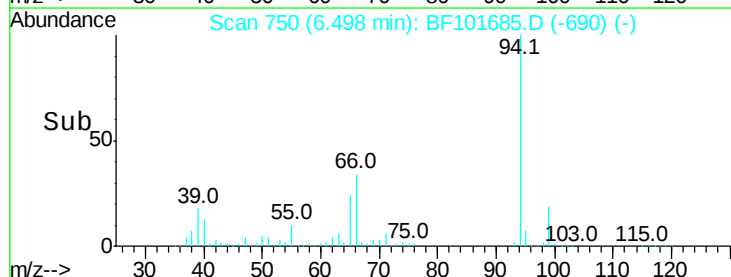
66 38.0 16.2 56.2

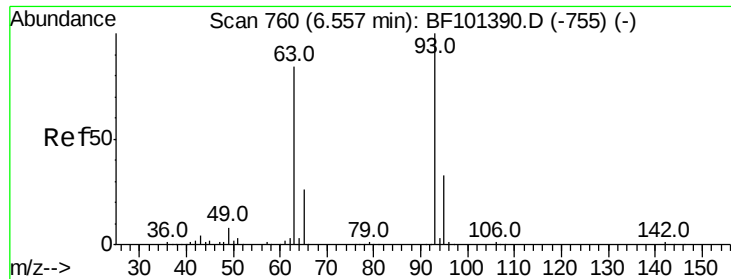


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



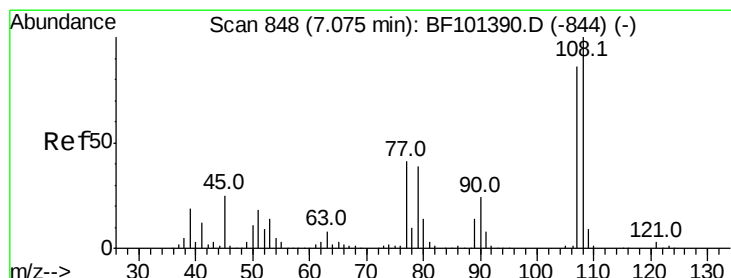
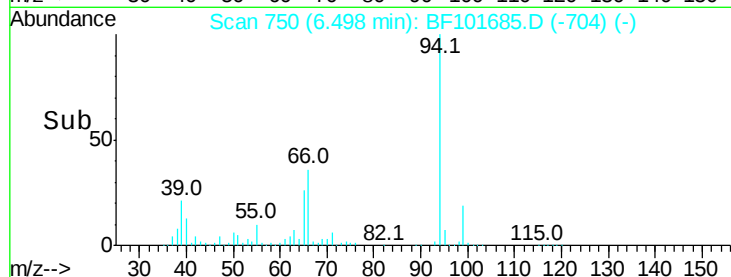
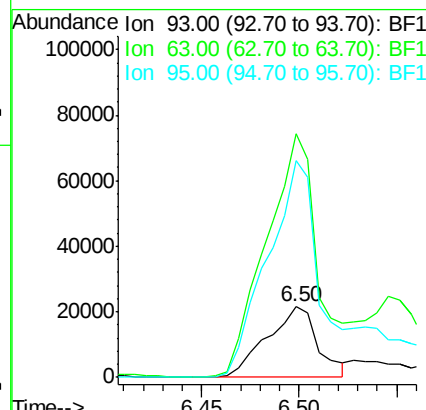
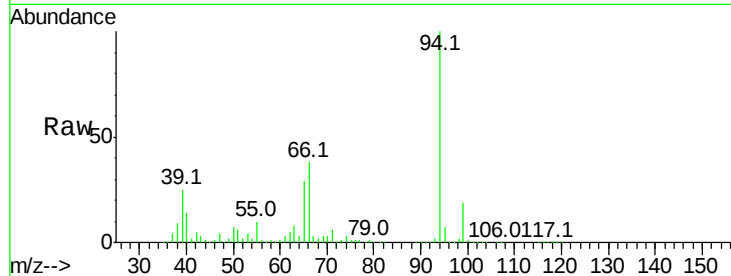


#11

bis(2-Chloroethyl)ether
 Concen: 3.293 ng
 RT: 6.50 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

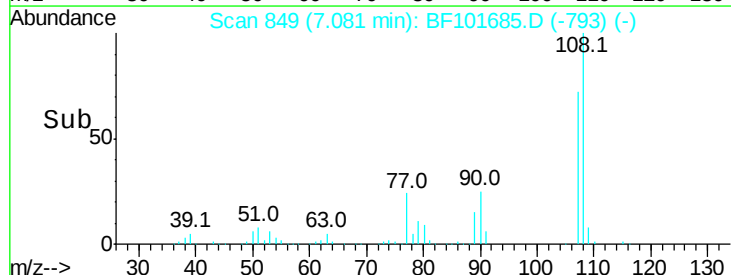
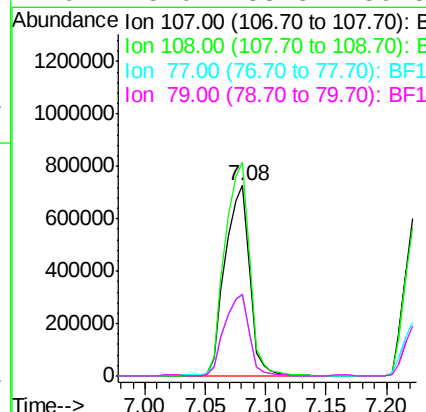
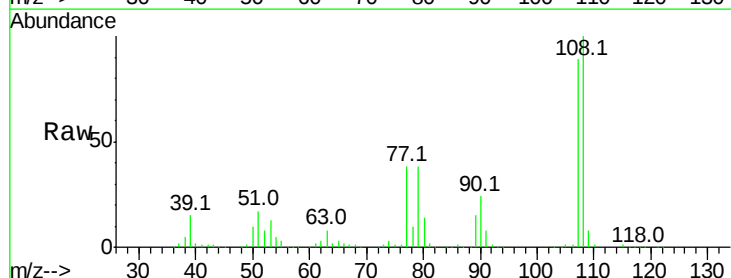
Tot Ion: 93 Resp: 39075
 Ion Ratio Lower Upper
 93 100
 63 344.1 58.6 98.6#
 95 305.9 11.8 51.8#

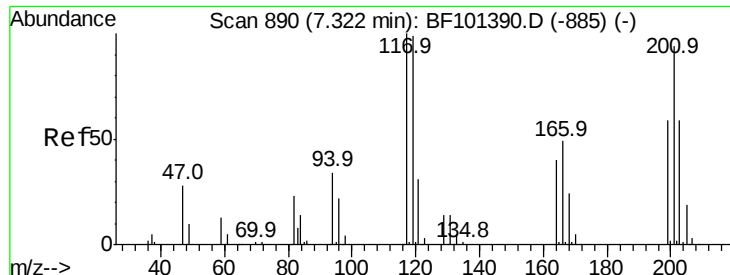


#17

2-Methylphenol
 Concen: 98.481 ng
 RT: 7.08 min Scan# 849
 Delta R.T. 0.03 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion: 107 Resp: 1016150
 Ion Ratio Lower Upper
 107 100
 108 112.2 91.7 137.5
 77 42.6 33.8 50.8
 79 43.0 33.8 50.8

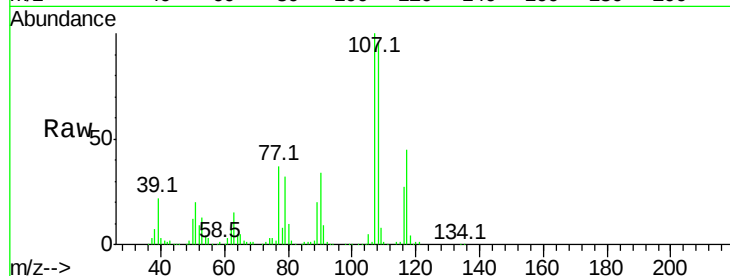




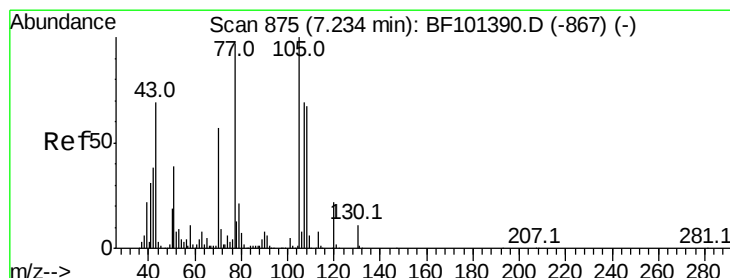
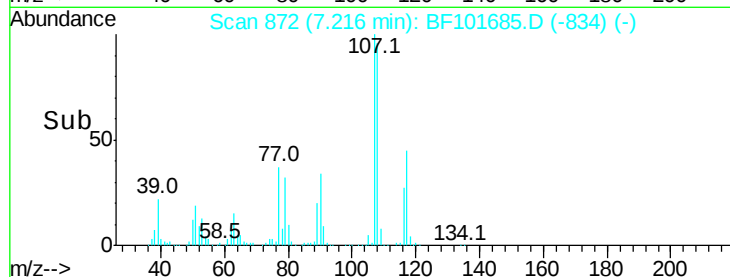
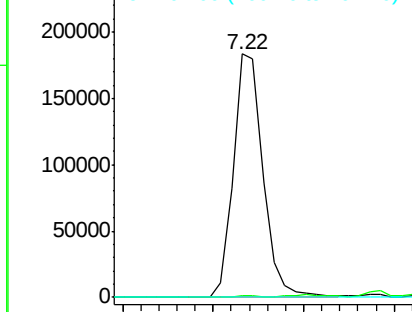
#18
Hexachloroethane
Concen: 46.347 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.08 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion:117 Resp: 208321
Ion Ratio Lower Upper
117 100
119 0.5 75.8 113.8#
201 0.0 75.7 113.5#

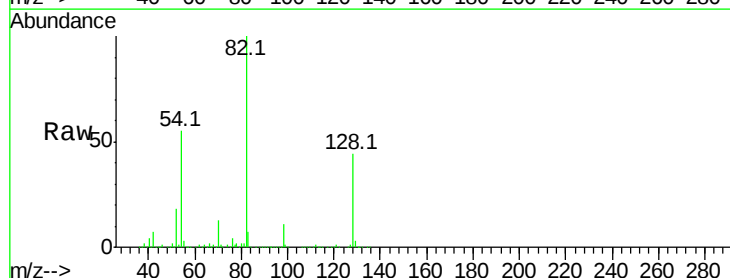


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

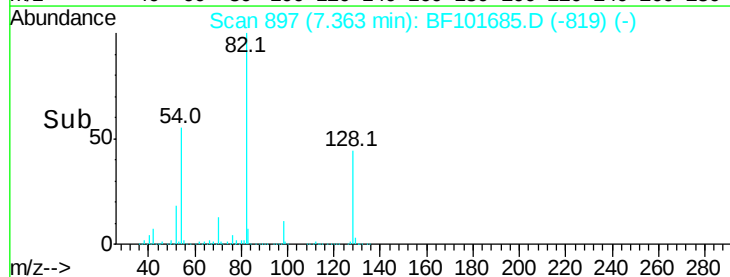
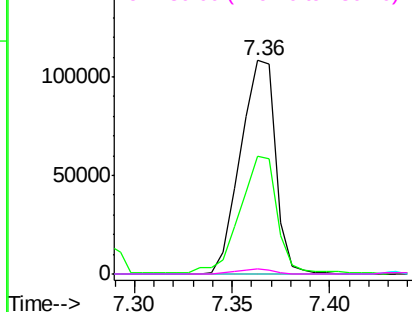


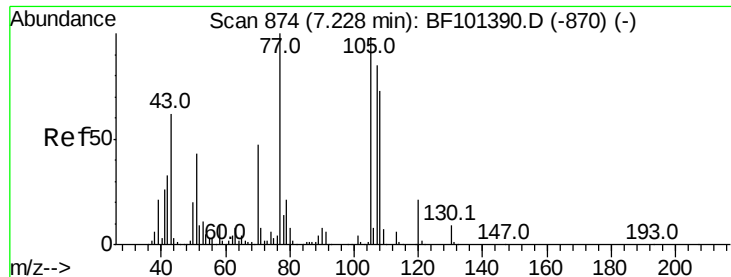
#19
n-Nitroso-di-n-propylamine
Concen: 15.507 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.16 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion: 70 Resp: 135145
Ion Ratio Lower Upper
70 100
42 55.1 47.5 71.3
101 0.0 7.4 11.2#
130 2.6 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 232.287 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.04 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

Tot Ion:107 Resp: 2539836

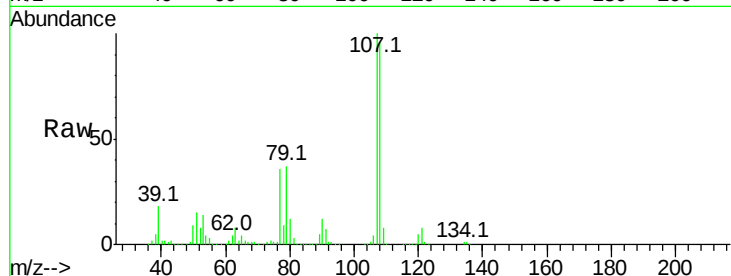
Ion Ratio Lower Upper

107 100

108 96.5 68.2 108.2

77 36.0 26.7 66.7

79 37.0 6.3 46.3

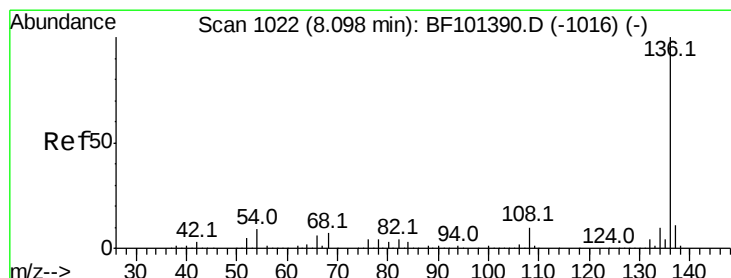
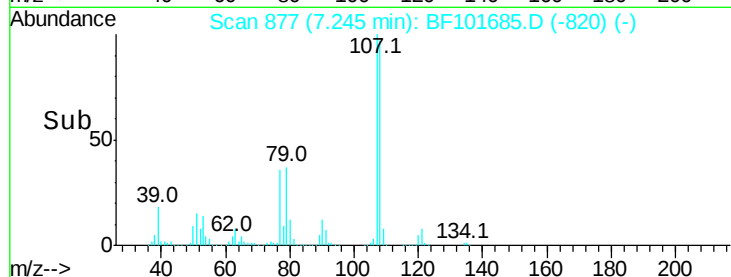
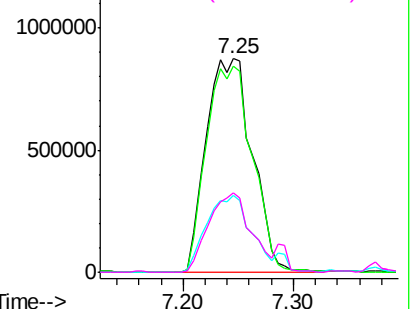


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Tgt Ion:136 Resp: 385607

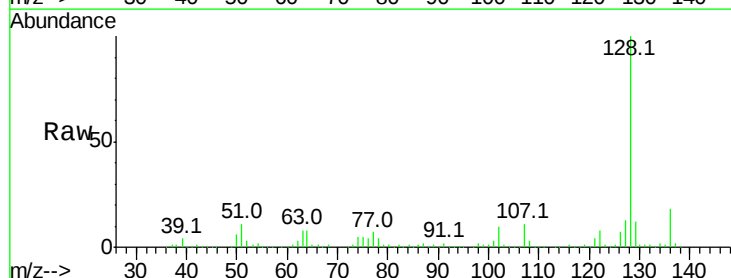
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 9.7 6.6 9.8

68 6.9 5.0 7.4

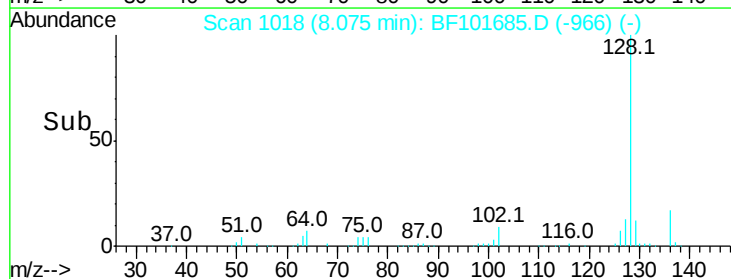
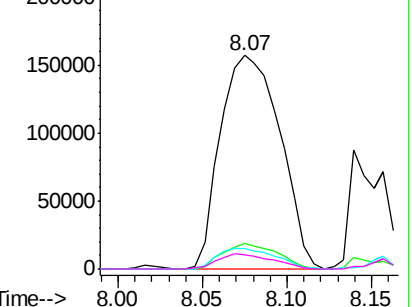


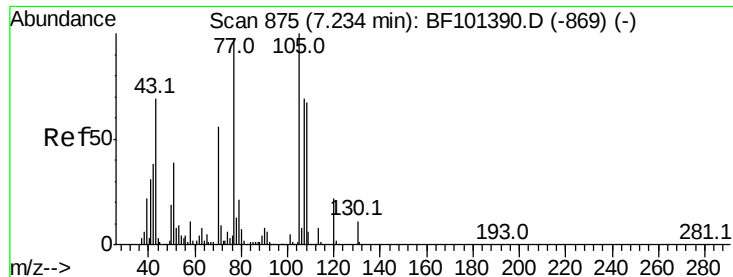
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#22

Acetophenone

Concen: 4.817 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

Tot Ion:105 Resp: 42383

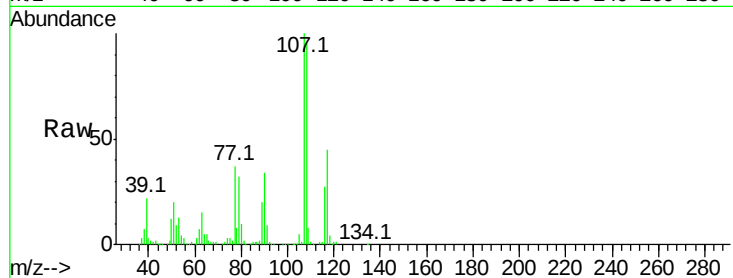
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 431.9 22.3 33.5#

120 21.3 16.9 25.3

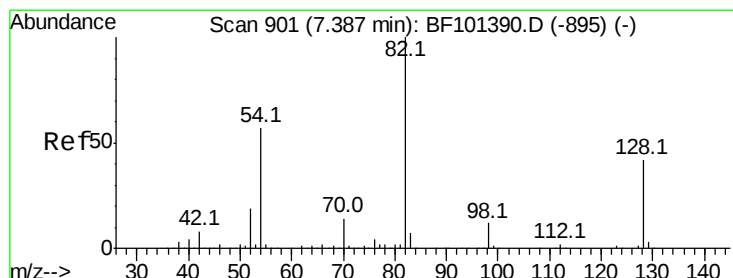
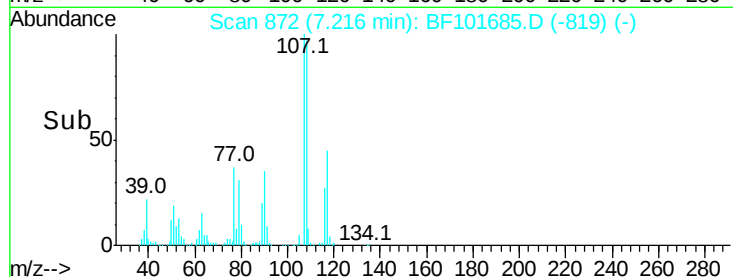
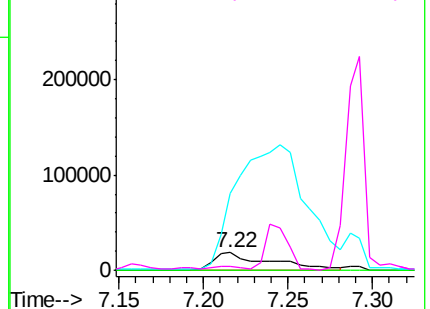


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 144.054 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

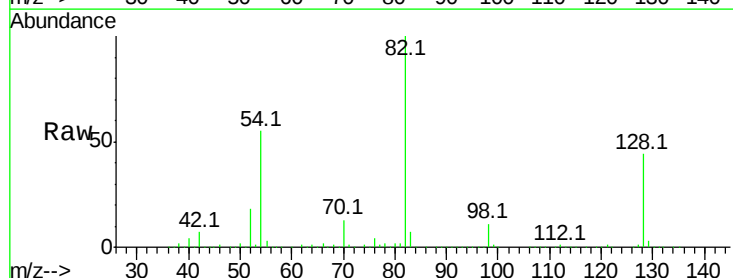
Tgt Ion: 82 Resp: 997891

Ion Ratio Lower Upper

82 100

128 44.1 36.1 54.1

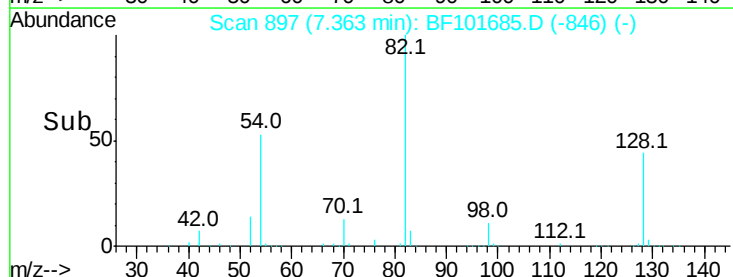
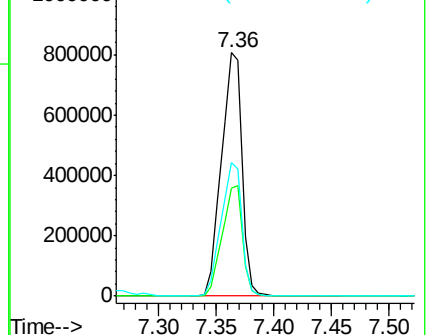
54 54.9 41.4 62.2

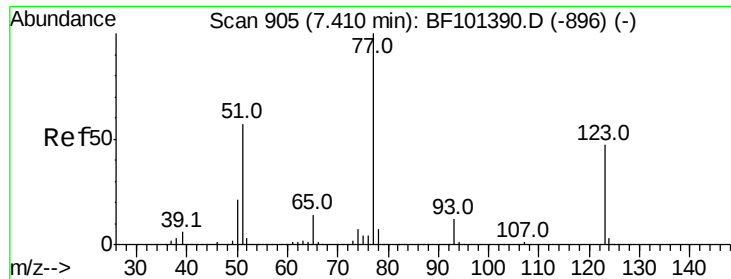


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 17.112 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.11 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

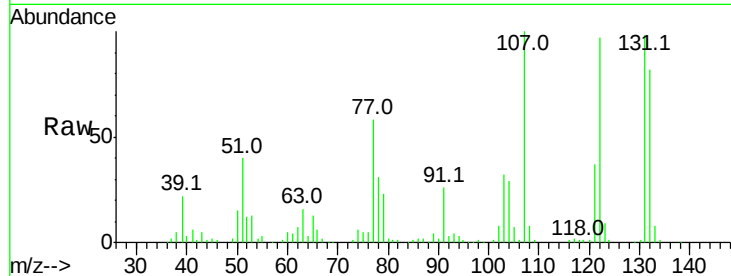
Tot Ion: 77 Resp: 131190

Ion Ratio Lower Upper

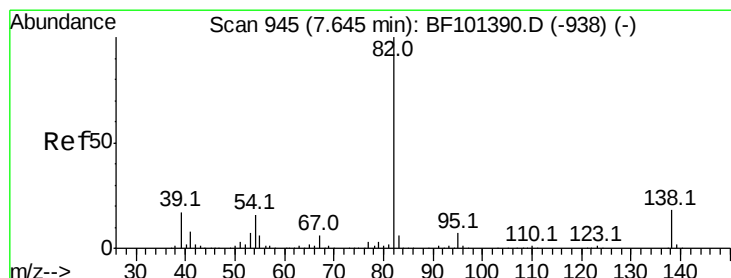
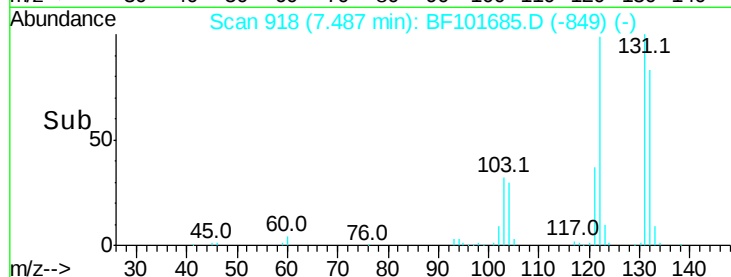
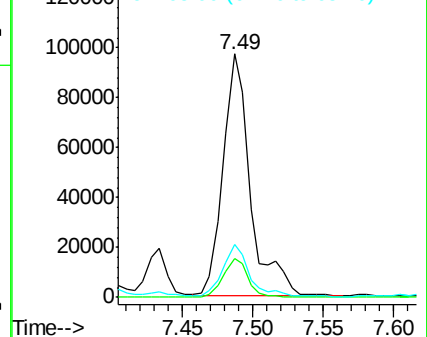
77 100

123 16.2 37.9 56.9#

65 21.7 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 71.809 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

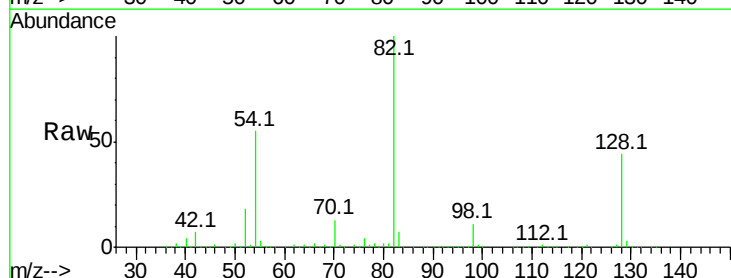
Tgt Ion: 82 Resp: 997885

Ion Ratio Lower Upper

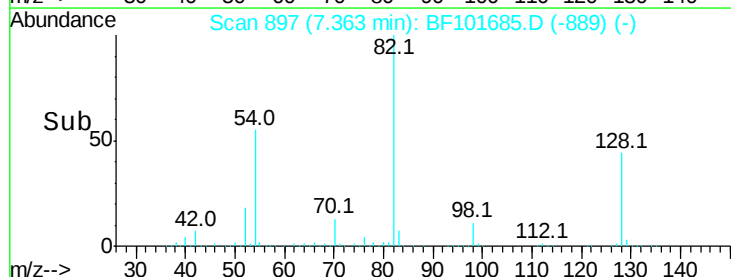
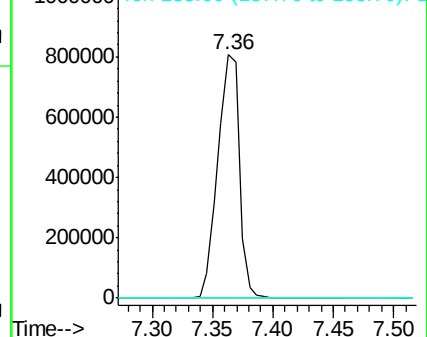
82 100

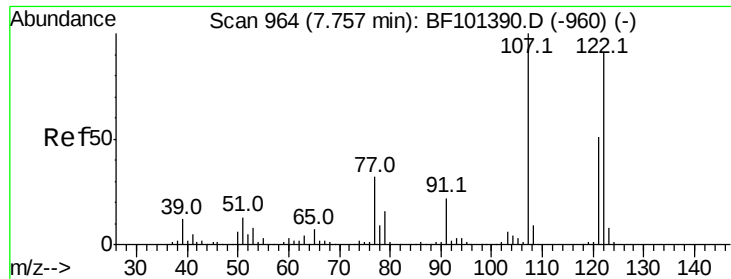
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

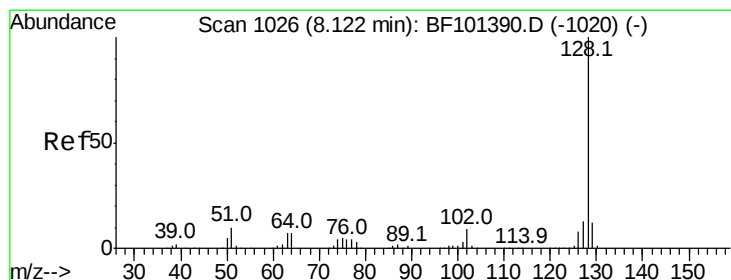
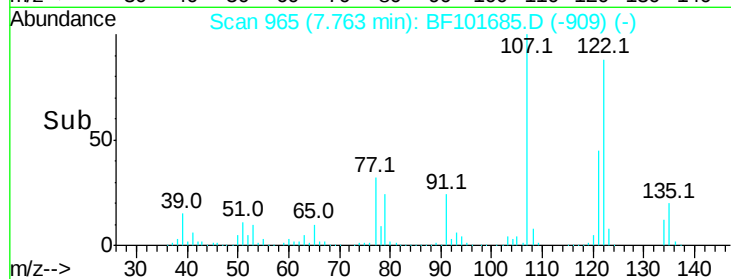
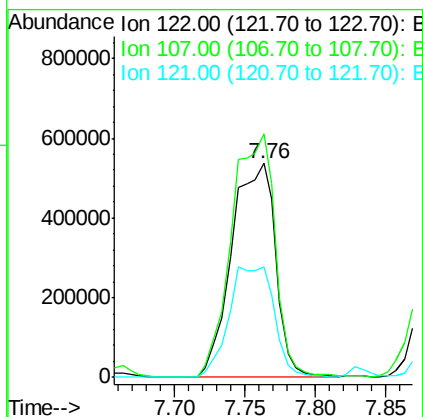
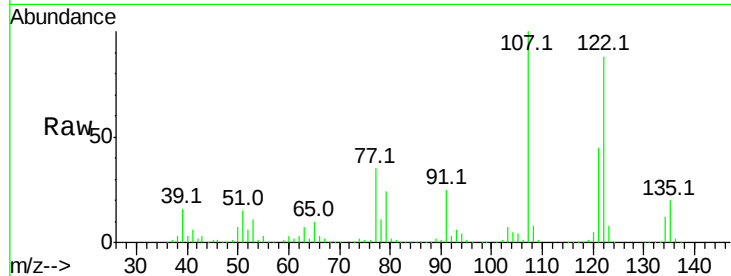




#27
2,4-Dimethylphenol
Concen: 208.346 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.03 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

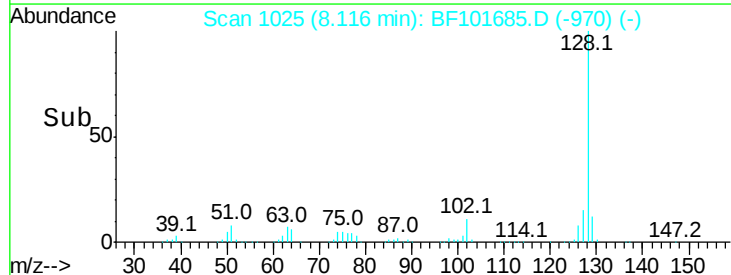
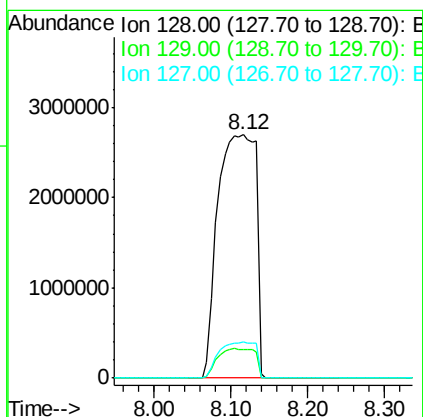
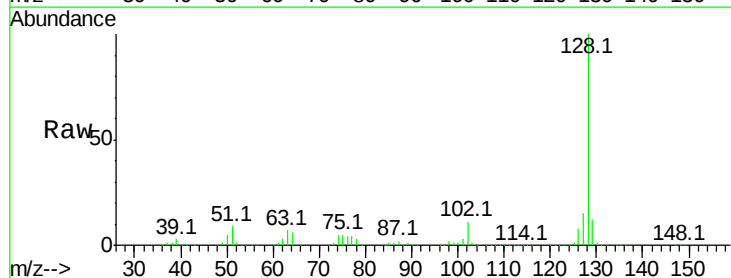
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

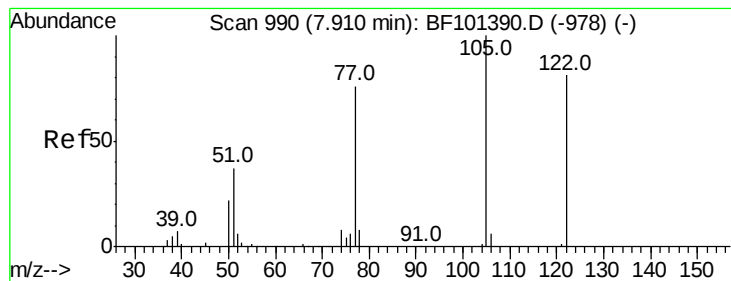
Tot Ion:122 Resp: 1165821
Ion Ratio Lower Upper
122 100
107 114.0 91.2 136.8
121 51.7 47.2 70.8



#31
Naphthalene
Concen: 475.589 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.02 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion:128 Resp: 9232559
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 14.7 10.9 16.3





#32

Benzoic acid

Concen: 243.001 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

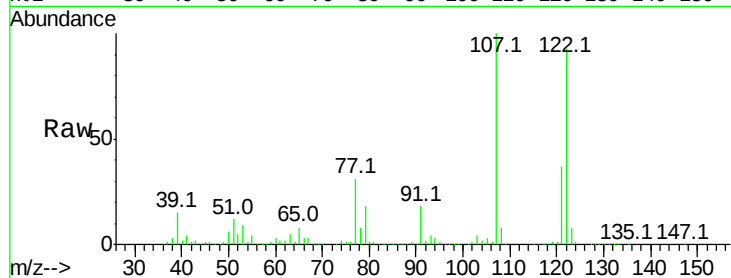
Tot Ion:122 Resp: 1062373

Ion Ratio Lower Upper

122 100

105 3.4 101.1 141.1#

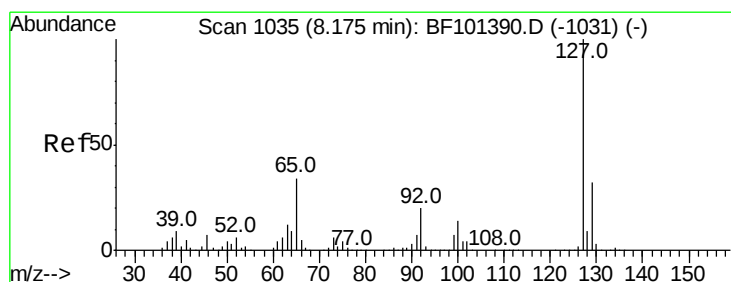
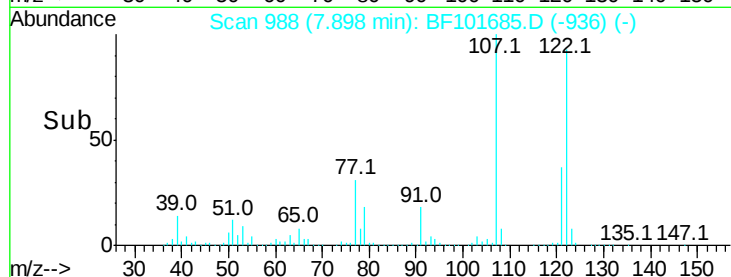
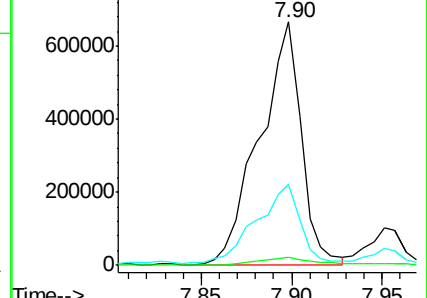
77 33.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 158.287 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.04 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Tgt Ion:127 Resp: 1335547

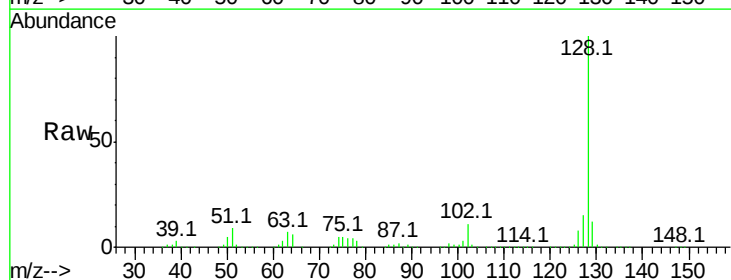
Ion Ratio Lower Upper

127 100

129 80.9 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

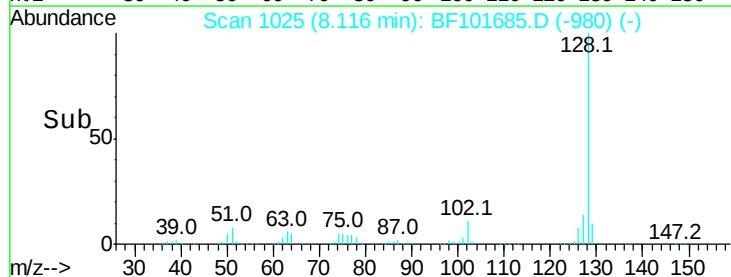
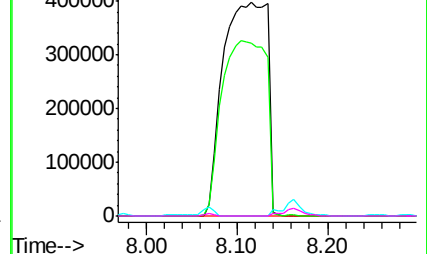


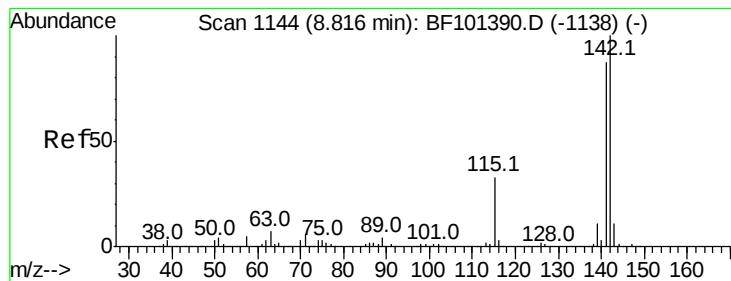
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 68.537 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

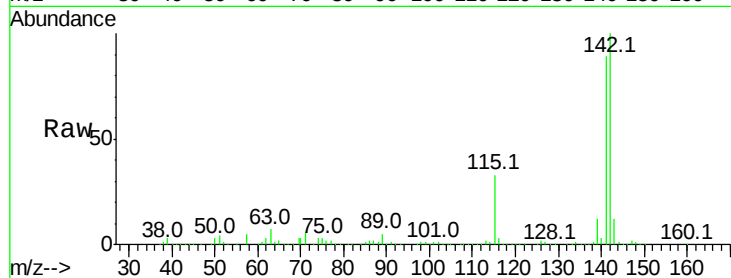
Tot Ion:142 Resp: 866846

Ion Ratio Lower Upper

142 100

141 89.0 70.8 106.2

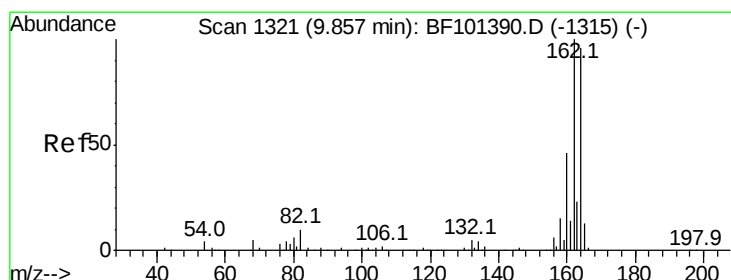
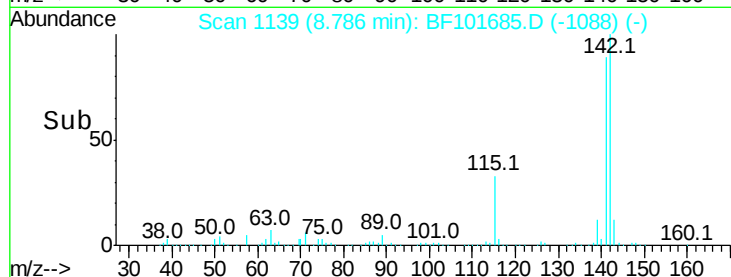
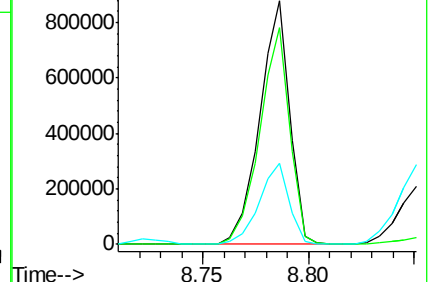
115 33.3 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

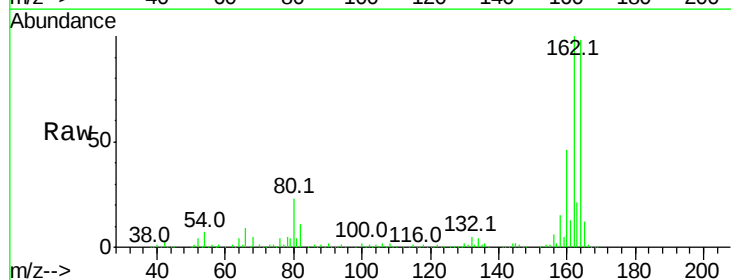
Tgt Ion:164 Resp: 278421

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

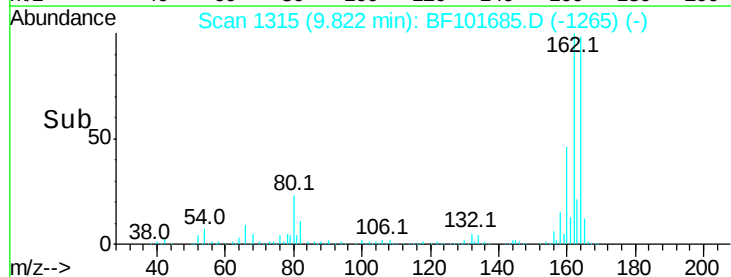
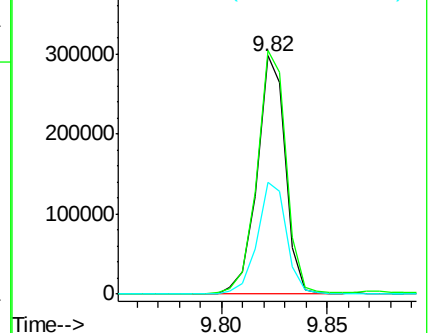
160 47.0 38.3 57.5

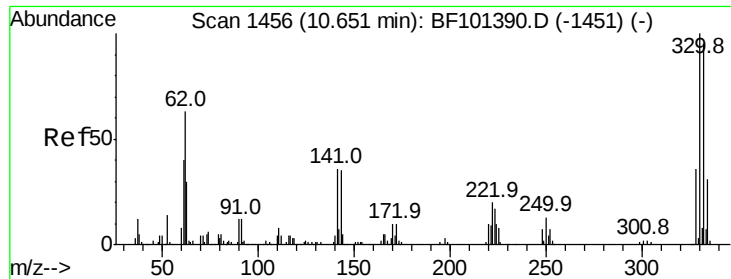


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

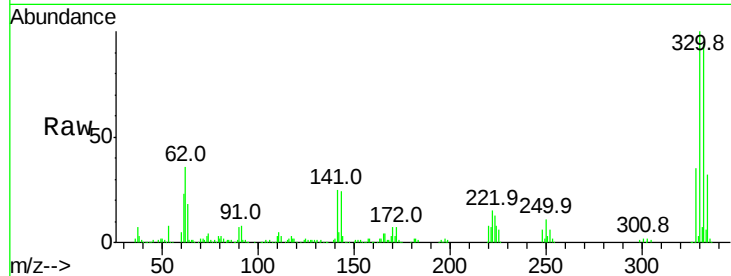




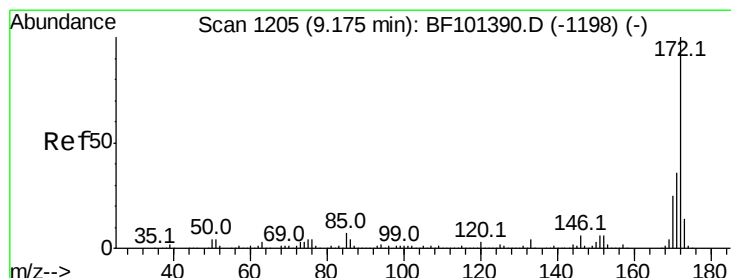
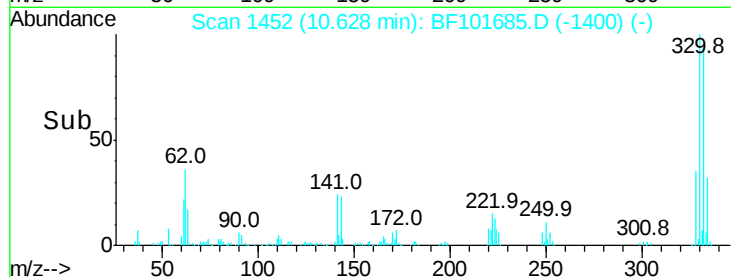
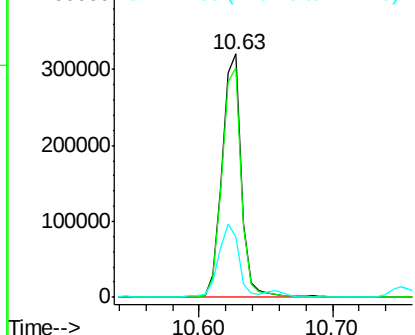
#41
 2,4,6-Tribromophenol
 Concen: 122.902 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tot Ion:330 Resp: 329723
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 31.2 29.9 44.9

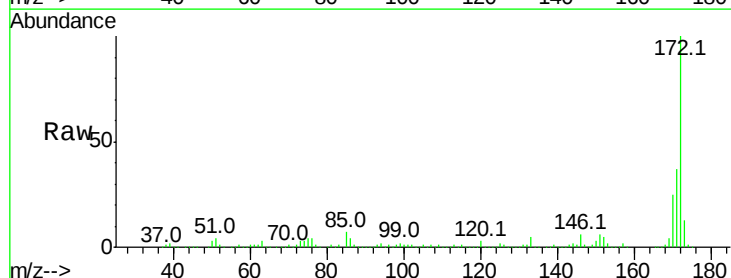


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

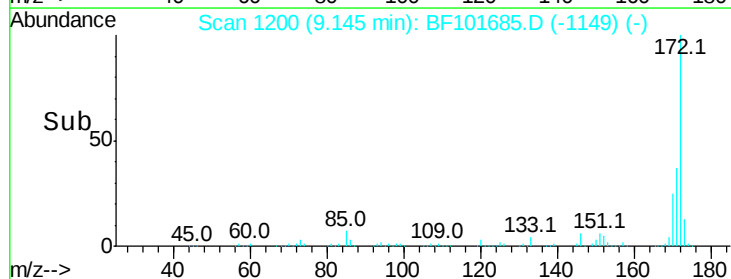
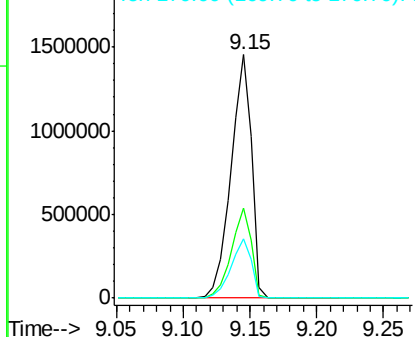


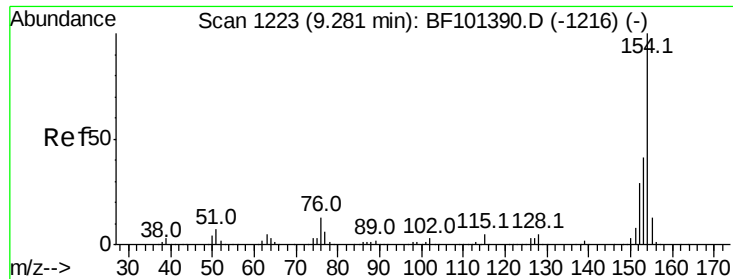
#44
 2-Fluorobiphenyl
 Concen: 87.945 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion:172 Resp: 1578465
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

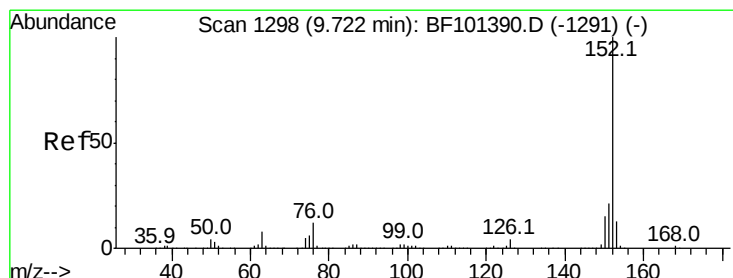
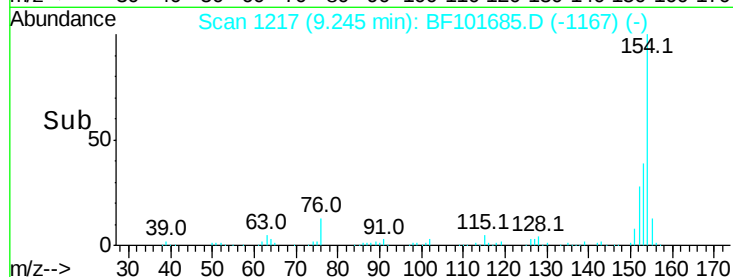
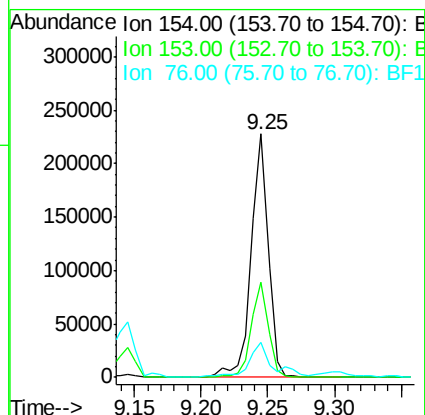
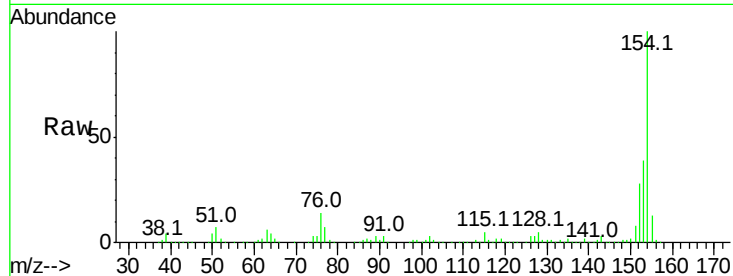




#45
 1,1'-Biphenyl
 Concen: 8.112 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

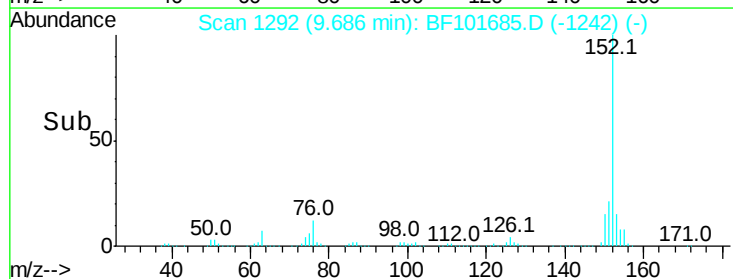
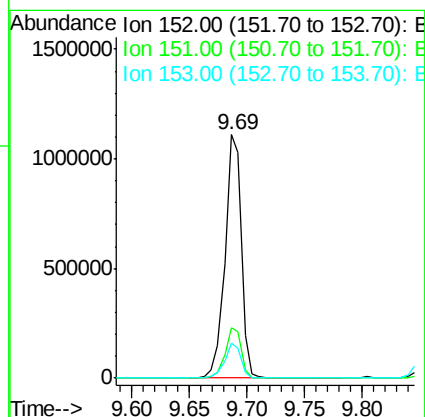
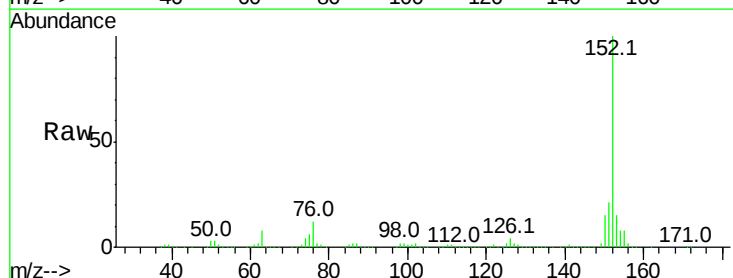
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

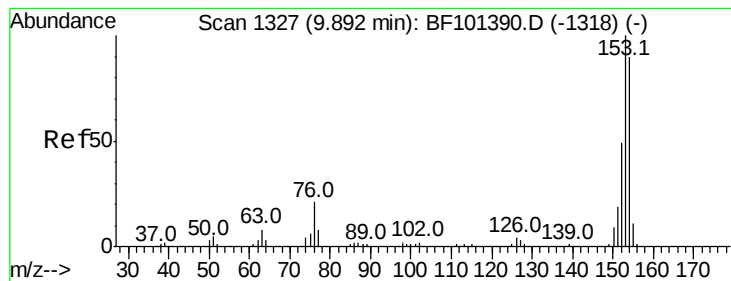
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	14.1	0.0	34.0



#48
 Acenaphthylene
 Concen: 36.491 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.6	10.7	16.1





#51

Acenaphthene

Concen: 14.063 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

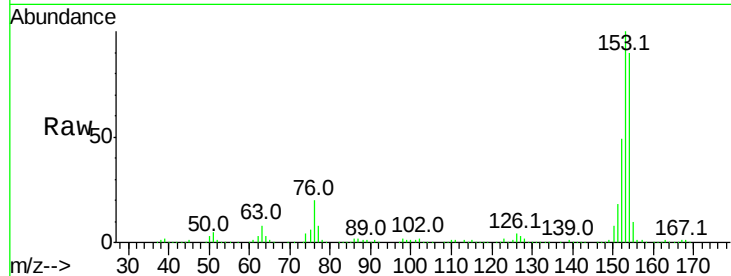
Tot Ion:154 Resp: 252122

Ion Ratio Lower Upper

154 100

153 110.9 91.2 136.8

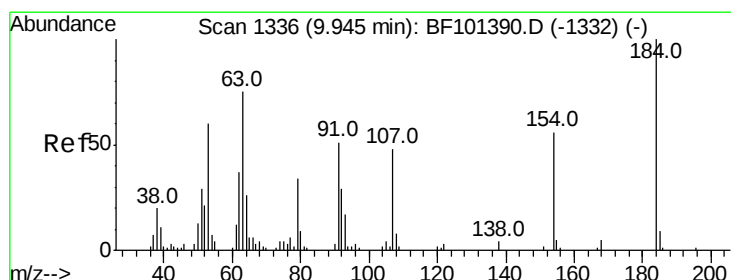
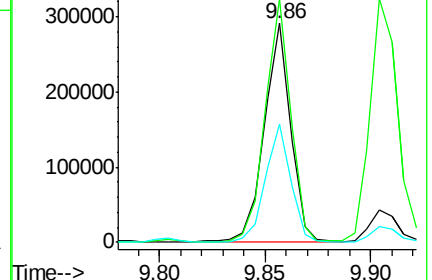
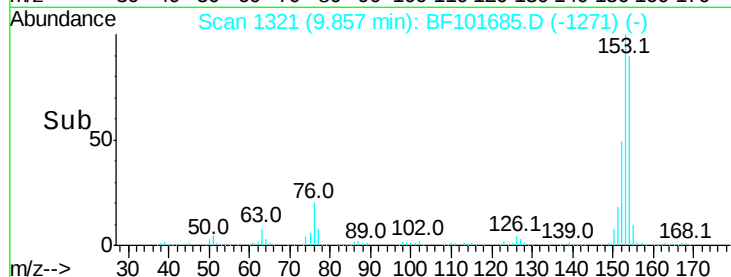
152 53.9 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 10.491 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.04 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

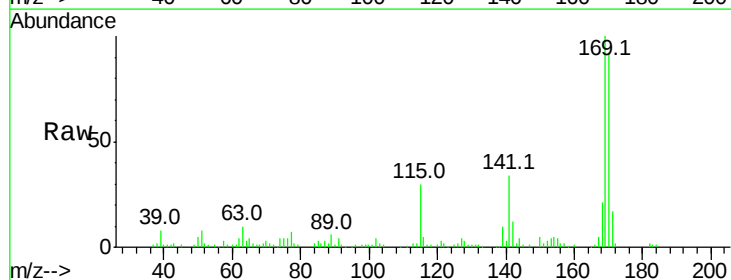
Tgt Ion:184 Resp: 311

Ion Ratio Lower Upper

184 100

63 1465.4 54.2 81.2#

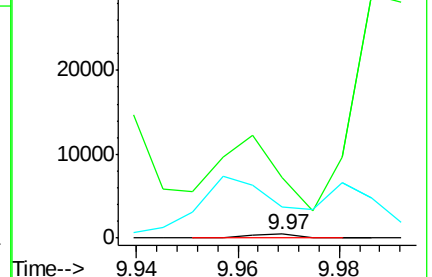
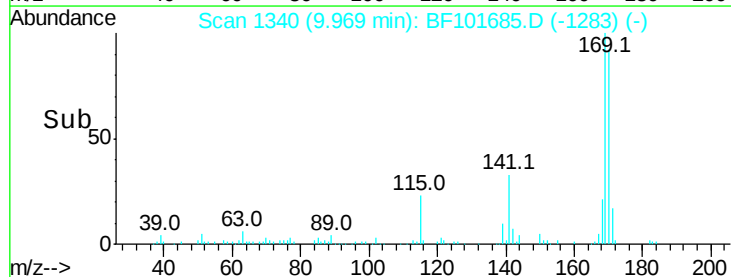
154 768.0 184.0 276.0#

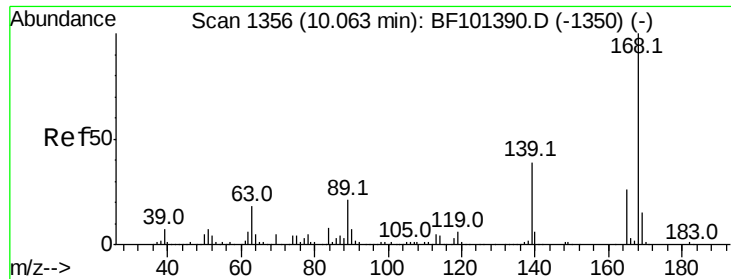


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

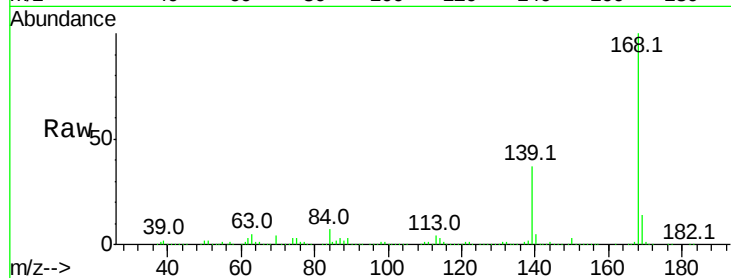




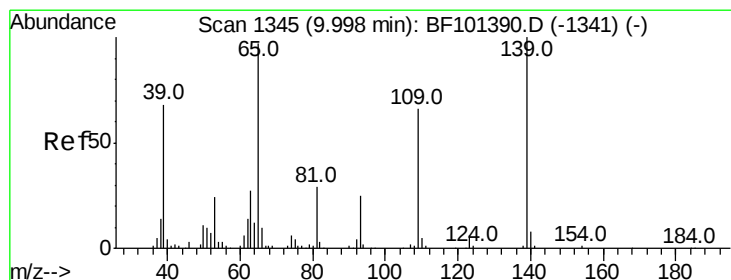
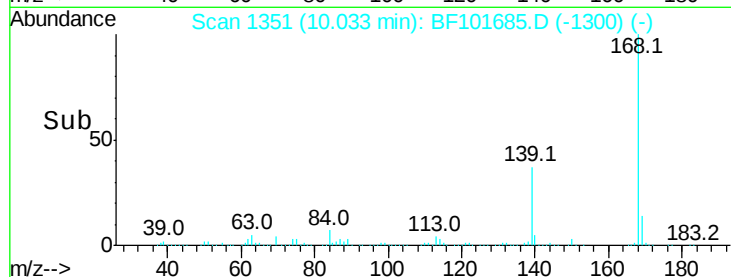
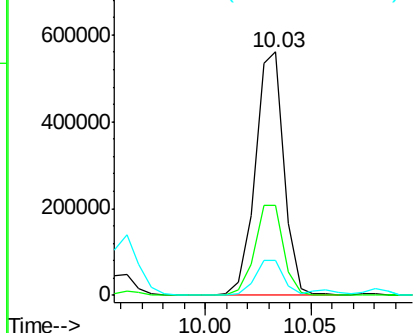
#54
Dibenzofuran
Concen: 23.251 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tot Ion:168 Resp: 529748
Ion Ratio Lower Upper
168 100
139 37.0 30.1 45.1
169 14.3 10.9 16.3

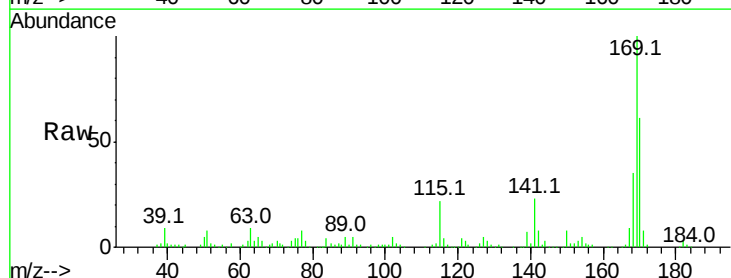


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

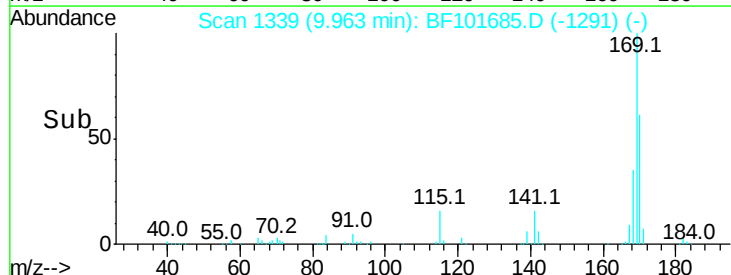
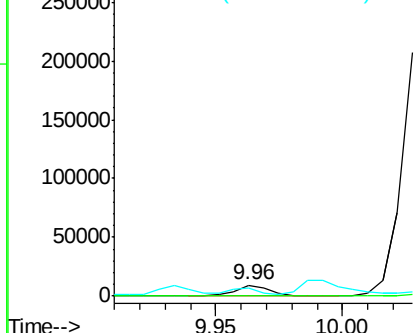


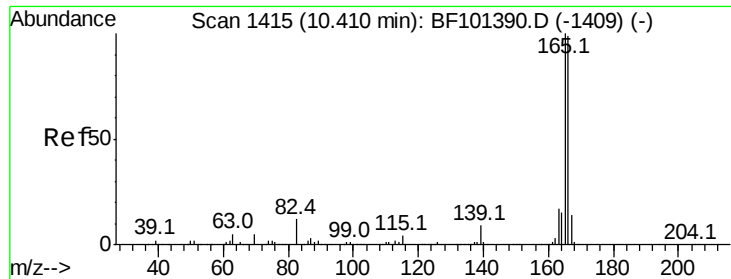
#55
4-Nitrophenol
Concen: 3.486 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion:139 Resp: 8625
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 68.7 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

Fluorene

Concen: 25.859 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

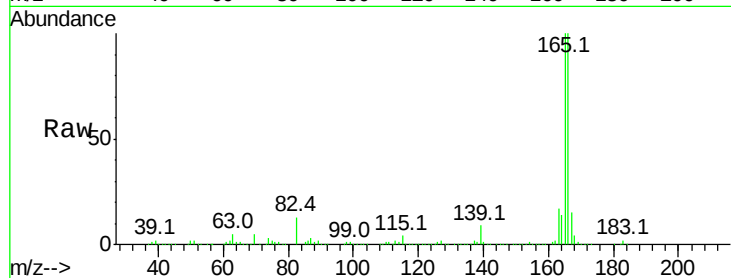
Tot Ion:166 Resp: 498401

Ion Ratio Lower Upper

166 100

165 99.9 79.8 119.8

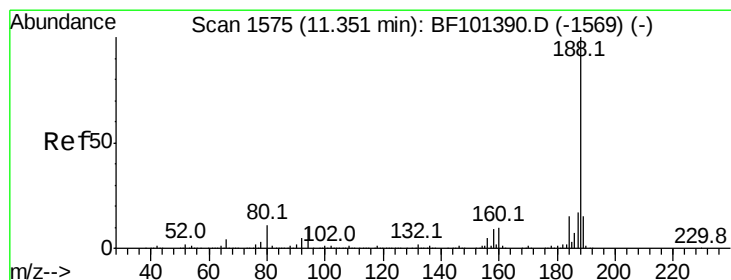
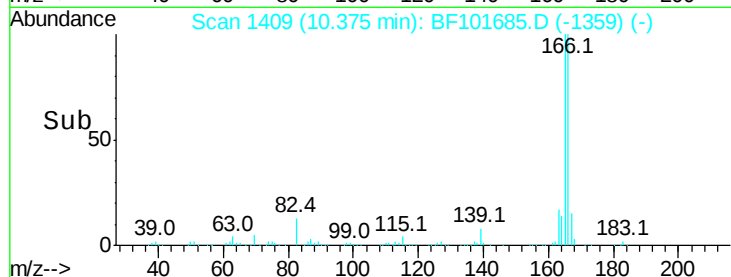
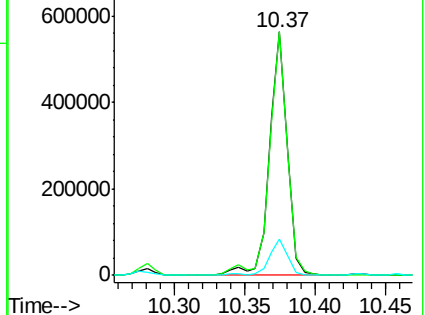
167 14.9 10.6 16.0



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

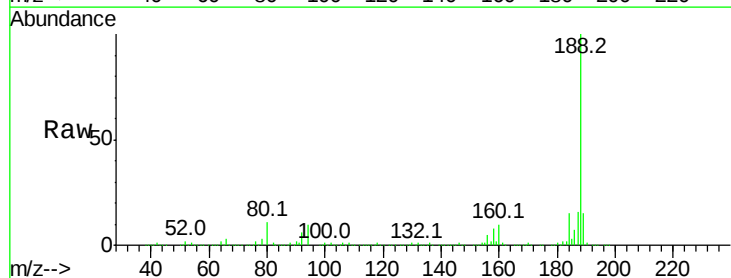
Tgt Ion:188 Resp: 485997

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

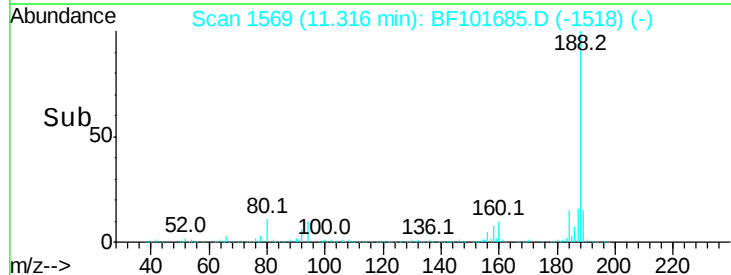
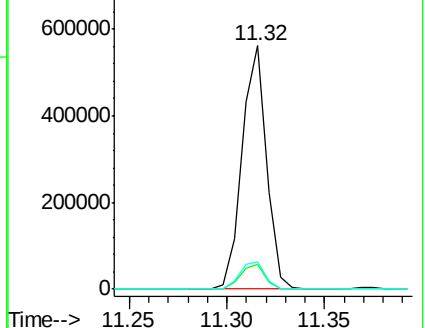
80 11.0 9.2 13.8

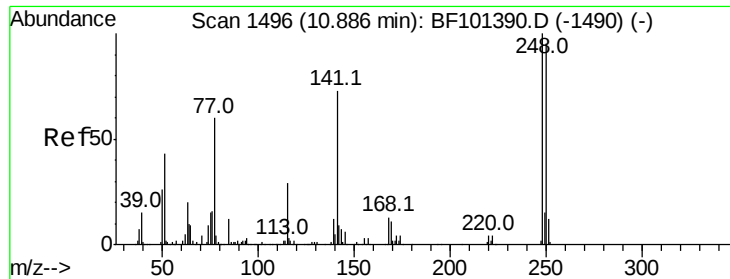


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

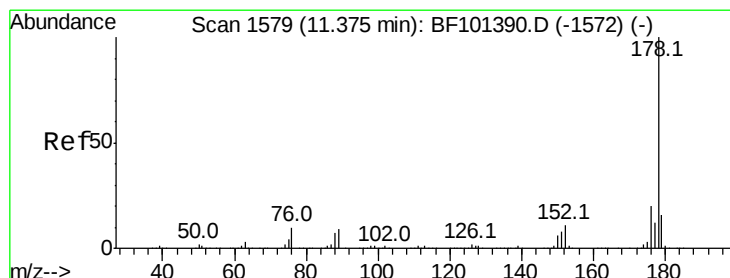
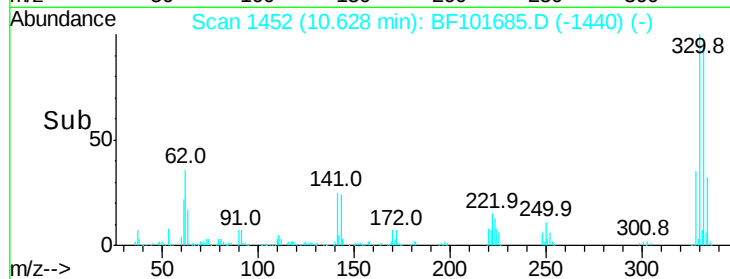
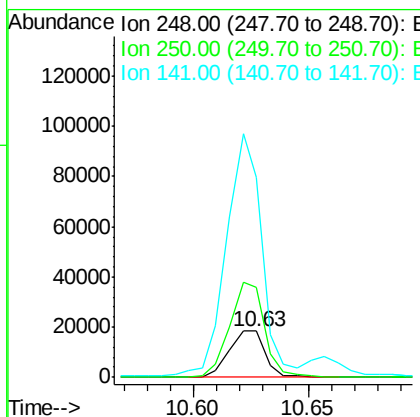
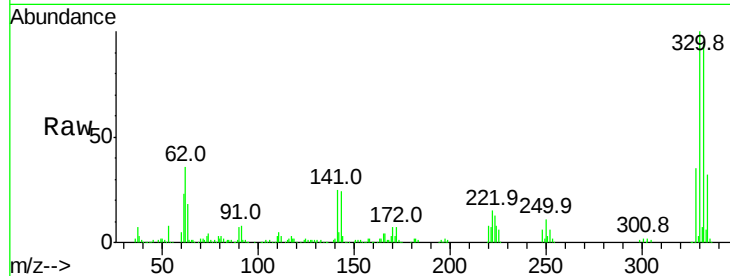




#66
 4-Bromophenyl-phenylether
 Concen: 3.646 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.23 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

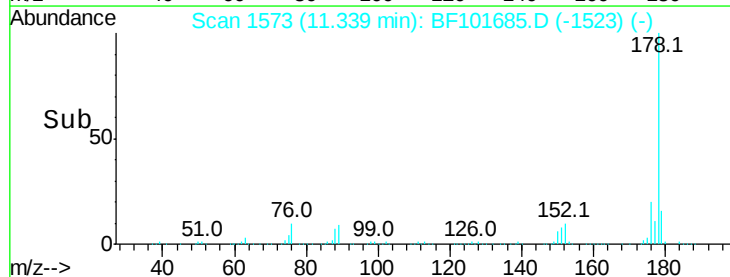
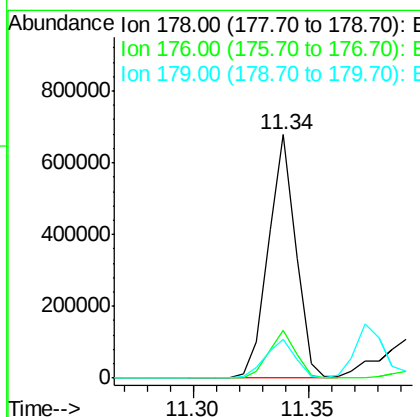
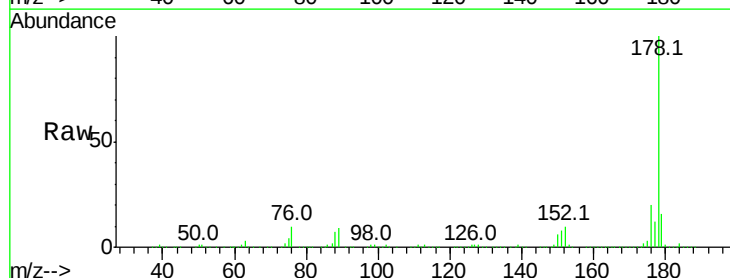
Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

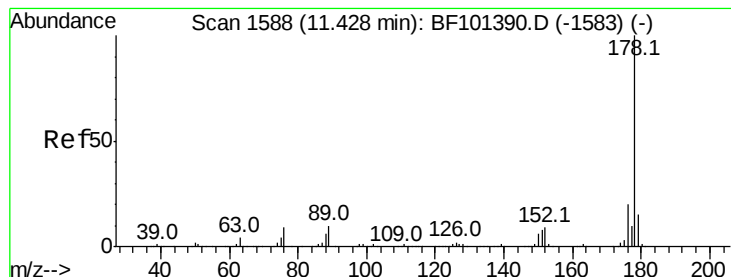
Tot Ion	Ratio	Lower	Upper
248	100		
250	194.2	76.9	115.3#
141	431.8	74.4	111.6#



#70
 Phenanthrene
 Concen: 20.802 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6





#71

Anthracene

Concen: 4.575 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

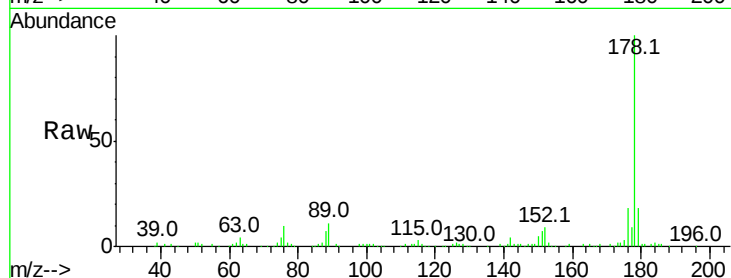
Tot Ion:178 Resp: 126308

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

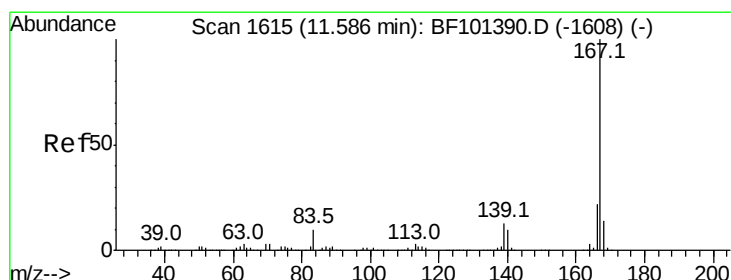
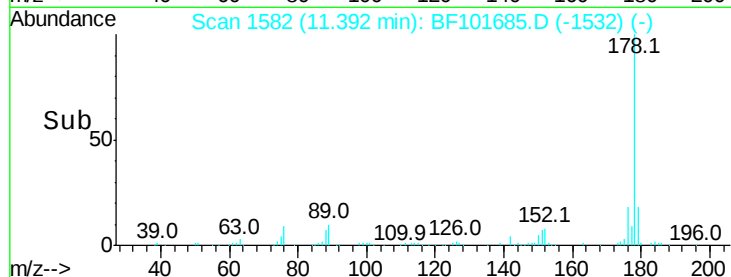
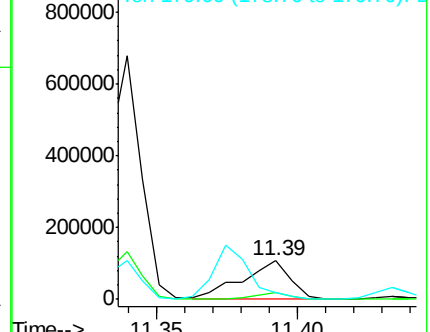
179 18.3 12.6 19.0



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



#72

Carbazole

Concen: 53.417 ng

RT: 11.56 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

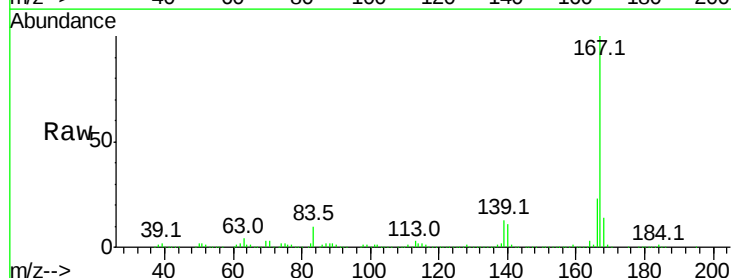
Tgt Ion:167 Resp: 1380700

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

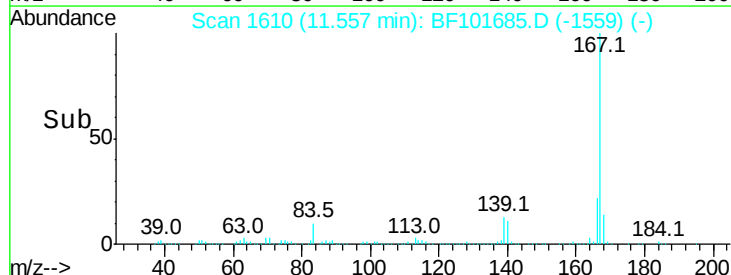
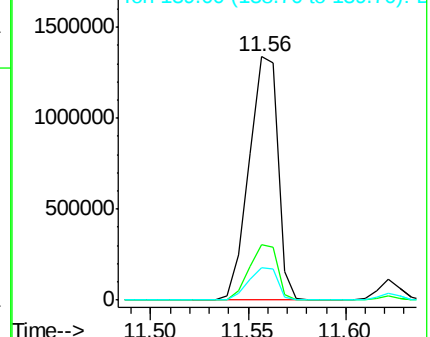
139 13.4 10.9 16.3

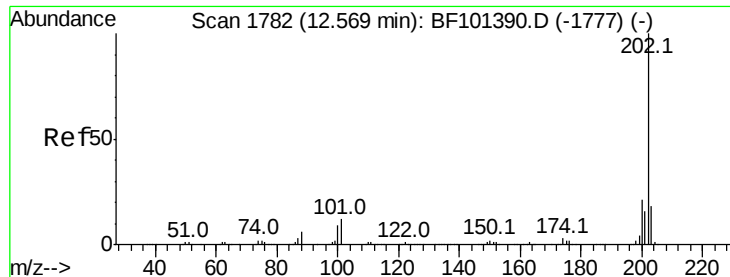


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

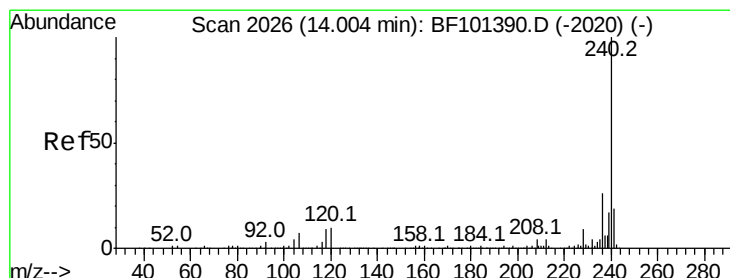
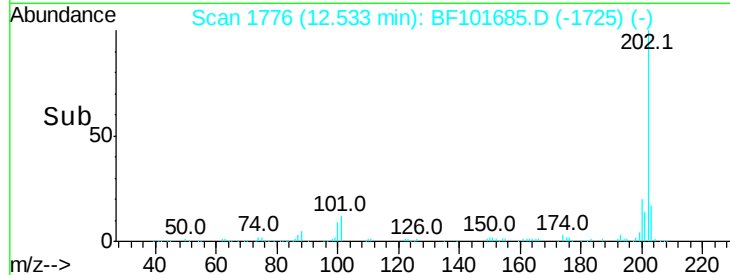
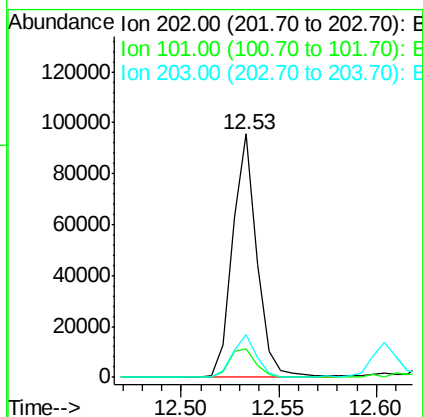
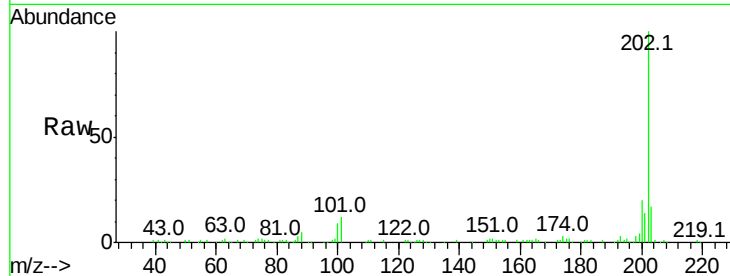




#74
Fluoranthene
Concen: 2.900 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

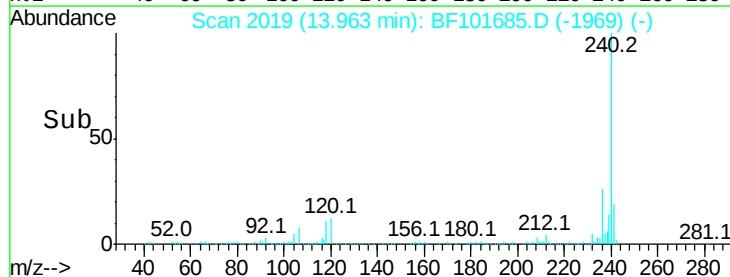
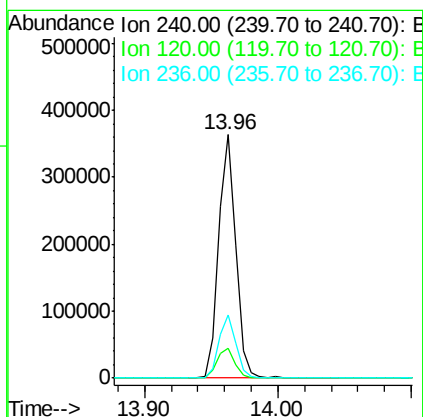
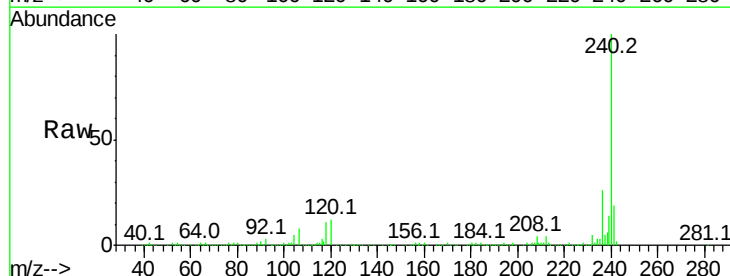
Instrument :
BNA_F
ClientSampleId :
WC-4539-01

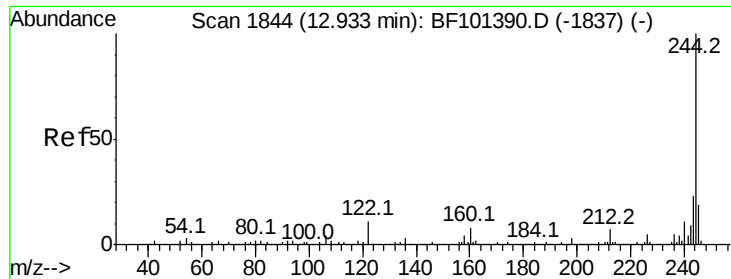
Tot Ion:202 Resp: 82271
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.5 0.0 38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion:240 Resp: 331496
Ion Ratio Lower Upper
240 100
120 12.4 9.5 14.3
236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 99.889 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampleId :

WC-4539-01

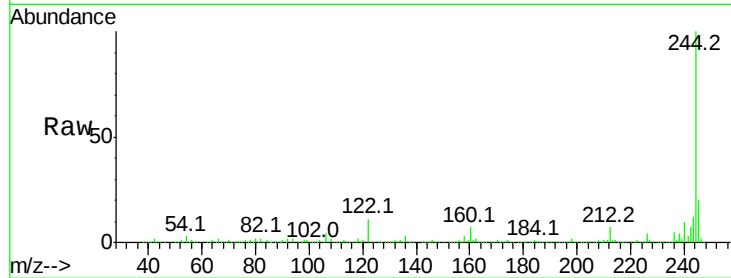
Tot Ion:244 Resp: 1373538

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

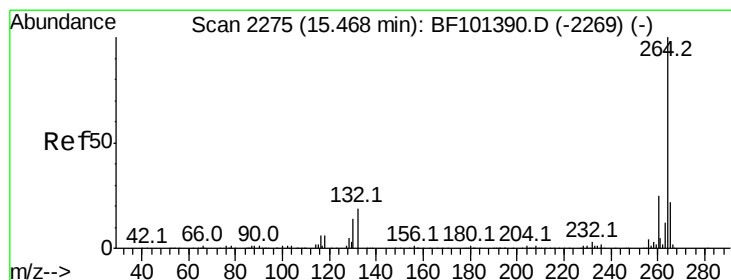
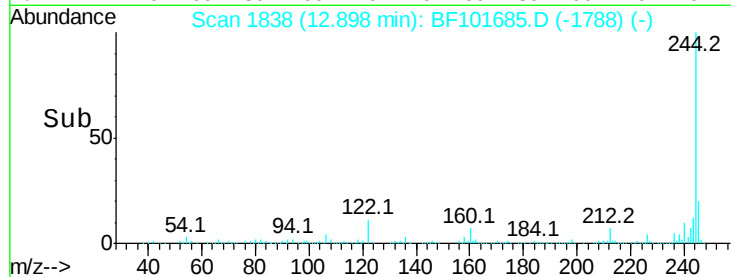
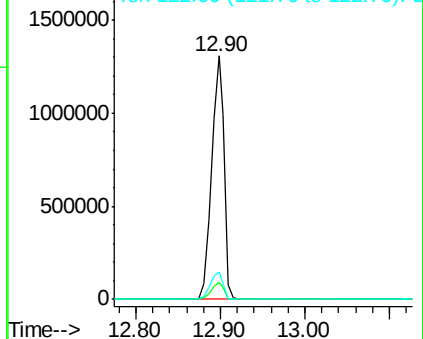
122 11.1 11.0 16.4



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: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

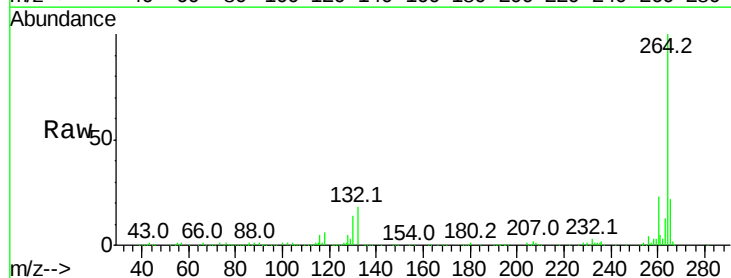
Tgt Ion:264 Resp: 291450

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.1 17.5 26.3



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

