

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098751.D
 Acq On : 23 Sep 2017 20:57
 Operator : SJ/JU
 Sample : I5360-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 04:56:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	175869	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	697871	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	278986	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	392415	20.00	ng	0.00
75) Chrysene-d12	14.08	240	285551	20.00	ng	0.00
86) Perylene-d12	15.57	264	267211	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	95538	8.65	ng	-0.01
7) Phenol-d6	6.53	99	116801	8.57	ng	-0.02
23) Nitrobenzene-d5	7.47	82	66715	6.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	14486	6.35	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	129631	7.76	ng	0.00
78) Terphenyl-d14	13.02	244	72243	5.75	ng	-0.01

Target Compounds						Qvalue
3) Pyridine	3.52	79	246	0.02	ng	# 21
4) n-Nitrosodimethylamine	3.31	42	113	0.02	ng	# 1
9) Benzaldehyde	6.47	77	658	0.08	ng	# 55
10) Phenol	6.54	94	2904	0.19	ng	# 95
12) 1,3-Dichlorobenzene	6.94	146	248	0.02	ng	# 26
13) 1,4-Dichlorobenzene	6.94	146	248	0.02	ng	# 24
14) 1,2-Dichlorobenzene	7.09	146	135	0.01	ng	# 23
15) Benzyl Alcohol	7.07	79	1500	0.15	ng	# 39
18) Hexachloroethane	7.45	117	340	0.07	ng	# 1
19) n-Nitroso-di-n-propylamine	7.47	70	8457	0.97	ng	# 84
22) Acetophenone	7.32	105	1110	0.07	ng	# 75
24) Nitrobenzene	7.47	77	249	0.02	ng	# 38
25) Isophorone	7.47	82	66121	2.94	ng	# 64
28) bis(2-Chloroethoxy)methane	8.22	93	577	0.04	ng	# 49
31) Naphthalene	8.22	128	22183	0.68	ng	# 97
33) 4-Chloroaniline	8.22	127	2919	0.21	ng	# 24
36) 4-Chloro-3-methylphenol	8.87	107	306	0.03	ng	# 20
37) 2-Methylnaphthalene	8.91	142	8689	0.41	ng	# 98
45) 1,1'-Biophenyl	9.37	154	2660	0.11	ng	# 87
46) 2-Chloronaphthalene	9.55	162	106	0.01	ng	# 37
47) 2-Nitroaniline	9.43	65	110	0.02	ng	# 2
48) Acenaphthylene	9.82	152	11627	0.42	ng	# 96
49) Dimethylphthalate	9.66	163	12951	0.62	ng	# 99
50) 2,6-Dinitrotoluene	9.96	165	35966	7.85	ng	# 25
51) Acenaphthene	9.99	154	8761	0.50	ng	# 98
52) 3-Nitroaniline	10.16	138	116	0.02	ng	# 2
54) Dibenzofuran	10.16	168	10924	0.47	ng	# 92
55) 4-Nitrophenol	10.16	139	4465	0.99	ng	# 17
56) 2,4-Dinitrotoluene	9.96	165	35966	6.05	ng	# 23
57) Fluorene	10.50	166	14824	0.79	ng	# 98
59) Diethylphthalate	10.36	149	501	0.02	ng	# 61
62) Azobenzene	10.66	77	1030	0.05	ng	# 1
65) n-Nitrosodiphenylamine	10.61	169	659	0.05	ng	# 93
66) 4-Bromophenyl-phenylether	10.74	248	1105	0.29	ng	# 1

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098751.D
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 Operator : SJ/JU
 Sample : I5360-01 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

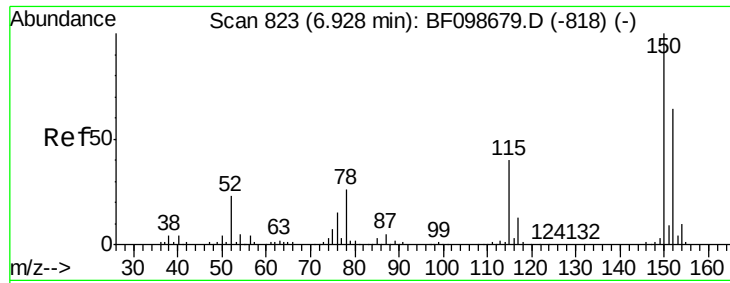
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 04:56:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

70) Phenanthrene	11.47	178	139236	6.63	nq	99
71) Anthracene	11.52	178	41453	1.93	nq	98
72) Carbazole	11.67	167	5392	0.26	nq	# 90
73) Di-n-butylphthalate	12.00	149	2209	0.09	nq	# 78
74) Fluoranthene	12.66	202	148517	6.98	nq	97
76) Benzdine	12.79	184	317	0.03	nq	# 22
77) Pyrene	12.89	202	130929	6.01	nq	99
79) Butylbenzylphthalate	13.49	149	620	0.06	nq	# 54
80) Benzo(a)anthracene	14.07	228	61762	3.57	nq	96
81) 3,3'-Dichlorobenzidine	14.06	252	113	0.02	nq	# 1
82) Chrysene	14.10	228	52631	3.20	nq	97
83) Bis(2-ethylhexyl)phthalate	14.05	149	3881	0.28	nq	# 94
84) Di-n-octyl phthalate	14.67	149	1001	0.04	nq	# 1
85) Indeno(1,2,3-cd)pyrene	17.07	276	24095	1.83	nq	# 94
87) Benzo(b)fluoranthene	15.13	252	90707	5.52	nq	# 87
88) Benzo(k)fluoranthene	15.13	252	90707	5.59	nq	# 90
89) Benzo(a)pyrene	15.50	252	42830	2.84	nq	# 93
90) Dibenzo(a,h)anthracene	17.08	278	7605	0.63	nq	# 75
91) Benzo(g,h,i)perylene	17.53	276	24469	2.05	nq	# 91

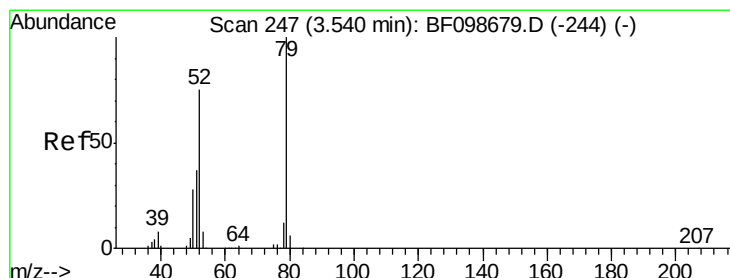
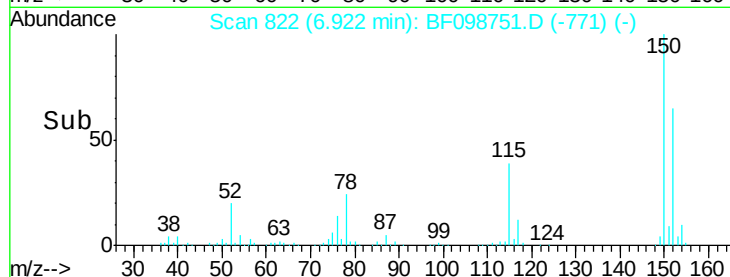
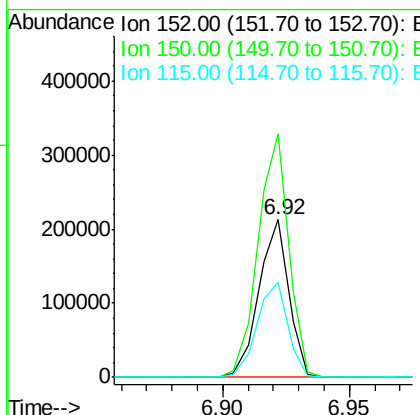
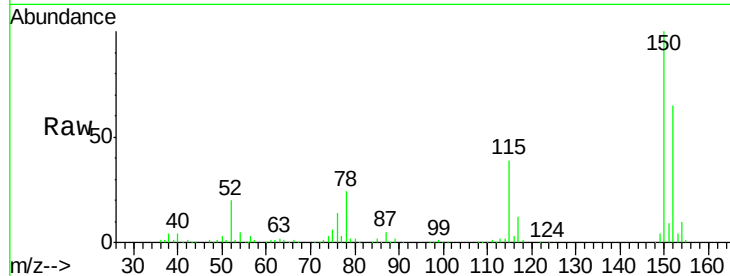
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

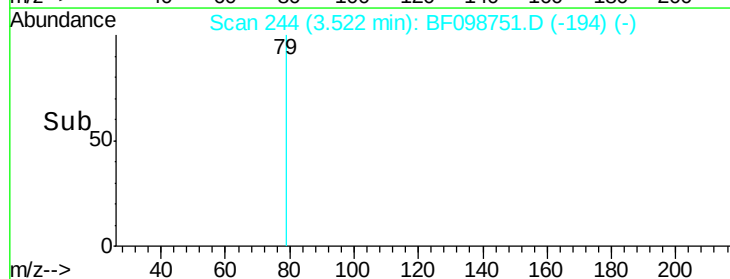
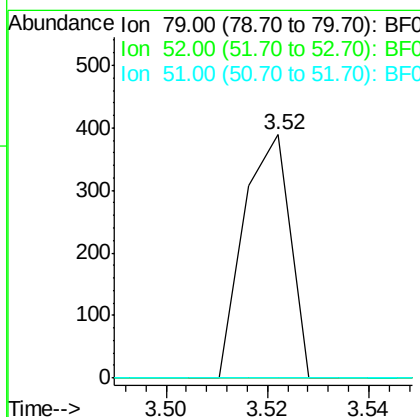
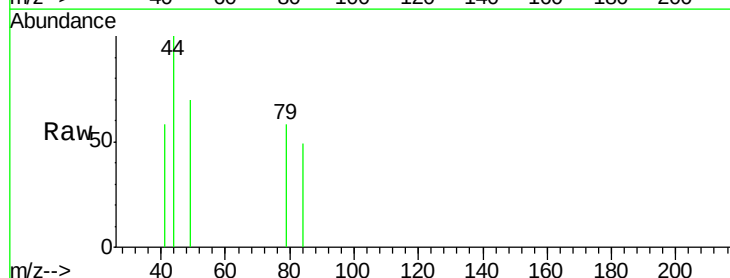
Instrument :
 BNA_F
 ClientSampled :

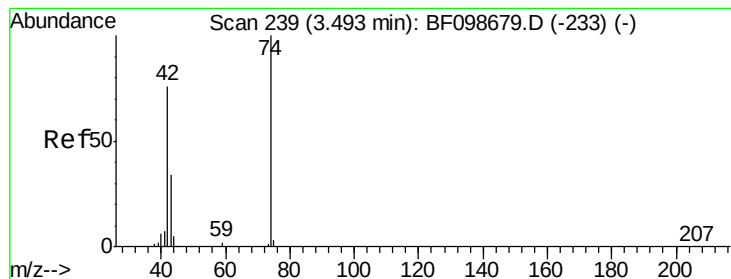
Tot Ion:152 Resp: 175869
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.6 186.8
 115 60.1 50.1 75.1



#3
 Pyridine
 Concen: 0.02 ng
 RT: 3.52 min Scan# 244
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion: 79 Resp: 246
 Ion Ratio Lower Upper
 79 100
 52 0.0 59.8 89.6#
 51 0.0 29.8 44.8#



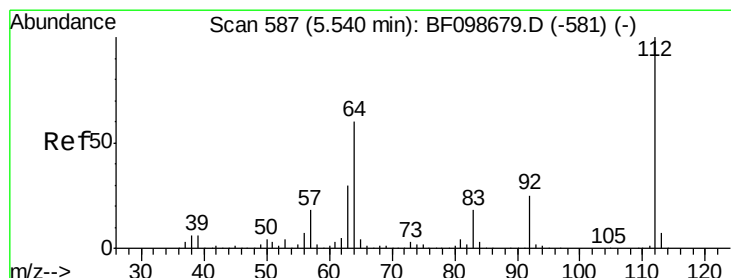
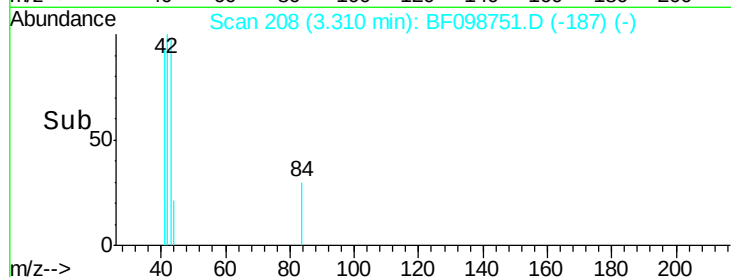
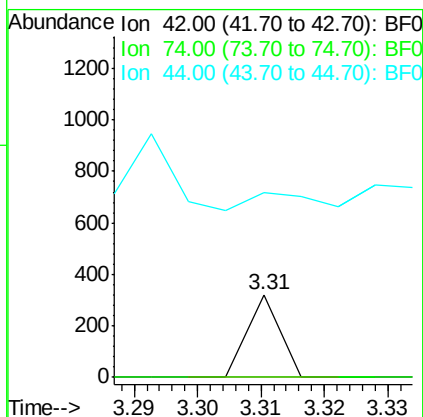
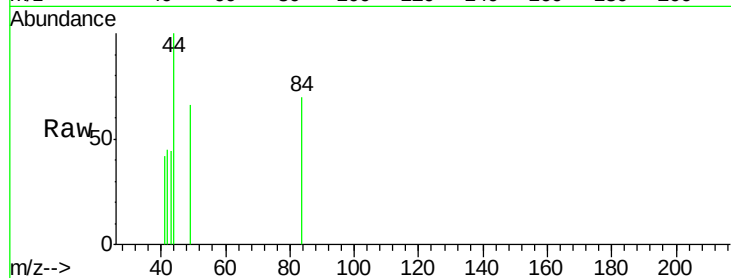


#4

n-Nitrosodimethylamine
 Concen: 0.02 ng
 RT: 3.31 min Scan# 208
 Delta R.T. -0.18 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :

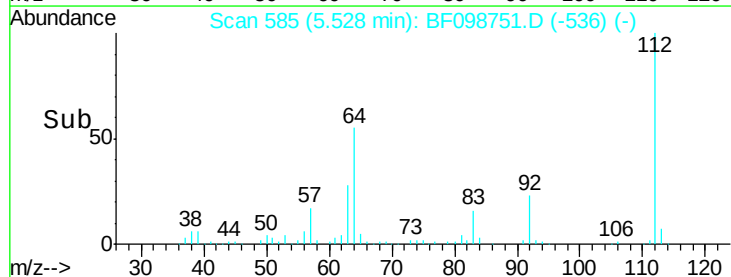
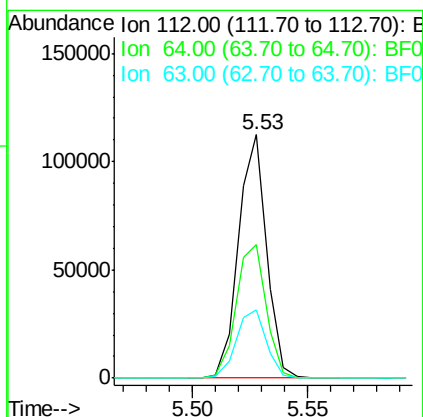
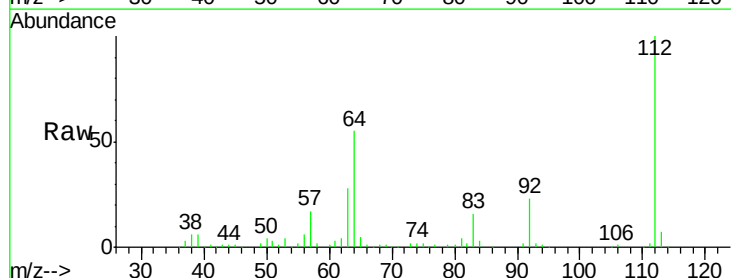
Tot Ion: 42 Resp: 113
 Ion Ratio Lower Upper
 42 100
 74 0.0 104.9 157.3#
 44 224.3 6.9 10.3#

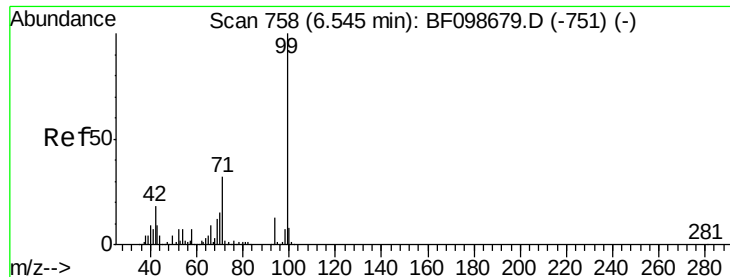


#5

2-Fluorophenol
 Concen: 8.65 ng
 RT: 5.53 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion: 112 Resp: 95538
 Ion Ratio Lower Upper
 112 100
 64 54.8 47.9 71.9
 63 28.0 23.7 35.5





#7

Phenol-d6

Concen: 8.57 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

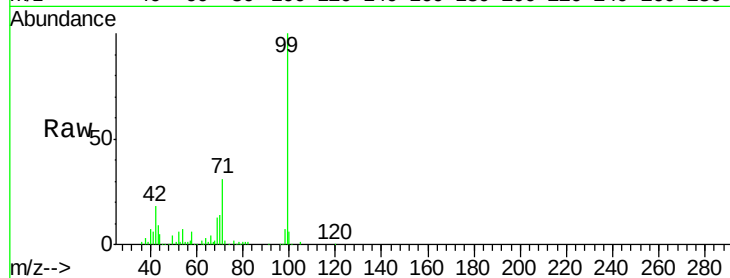
Tot Ion: 99 Resp: 116801

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

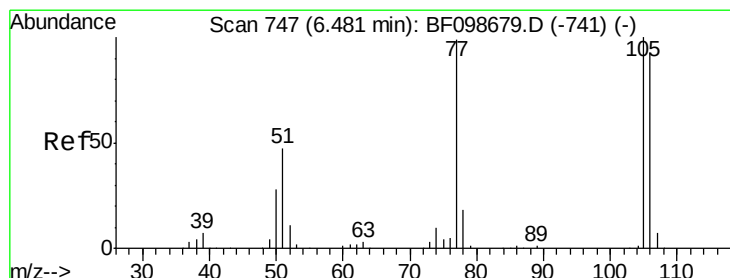
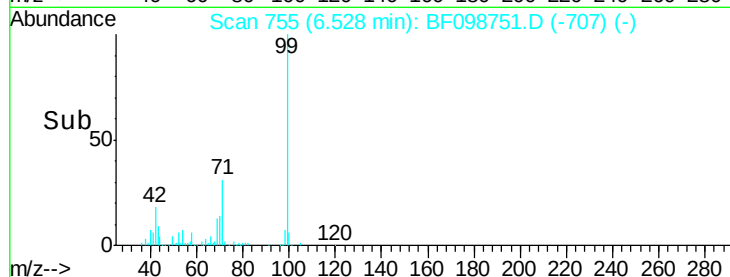
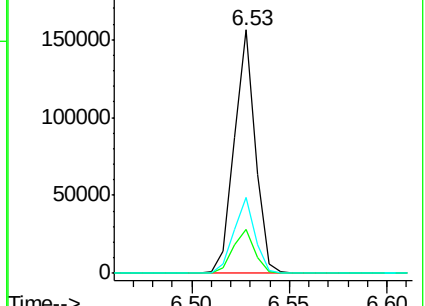
71 31.3 25.4 38.0



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: 0.08 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

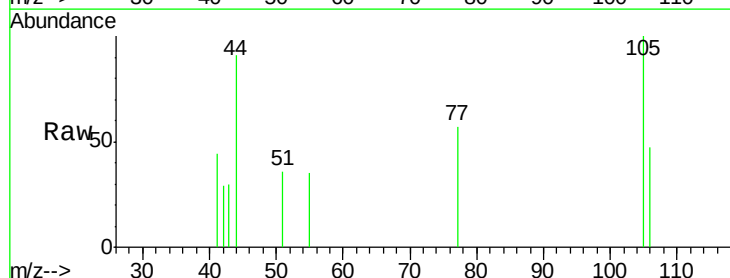
Tgt Ion: 77 Resp: 658

Ion Ratio Lower Upper

77 100

105 176.3 81.1 121.1#

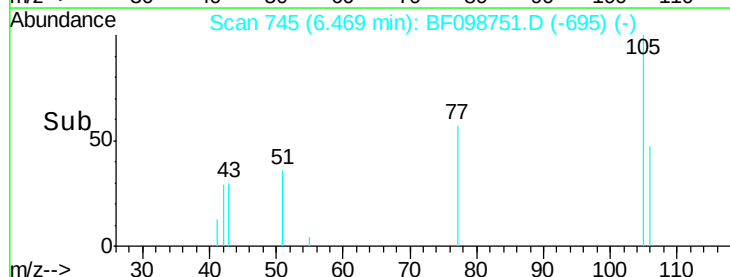
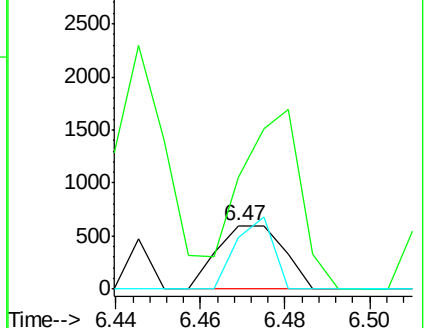
106 82.3 74.5 114.5

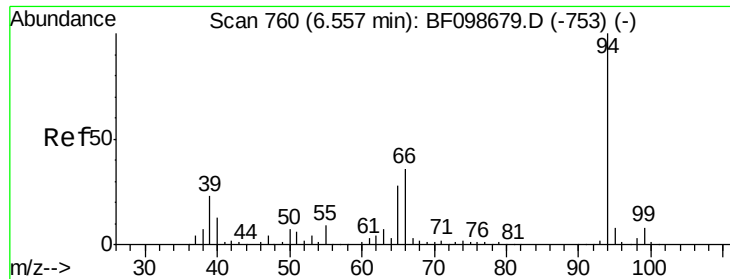


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 0.19 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampled :

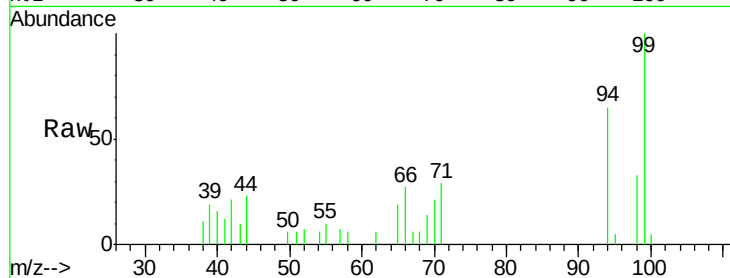
Tot Ion: 94 Resp: 2904

Ion Ratio Lower Upper

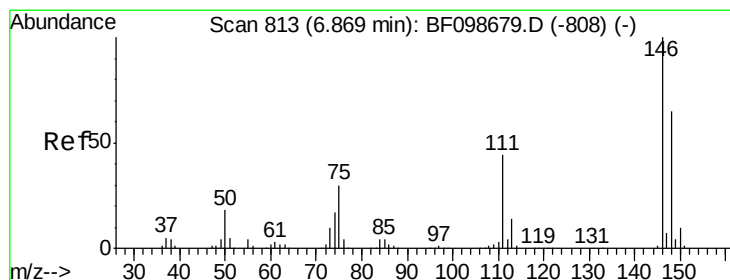
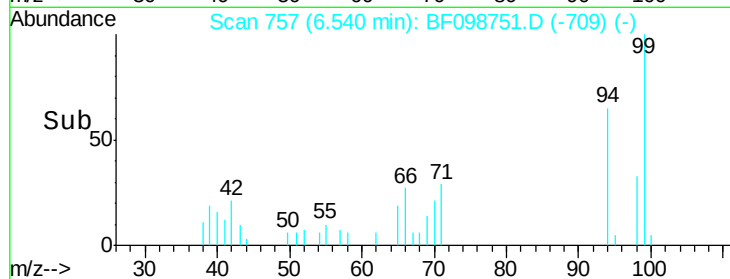
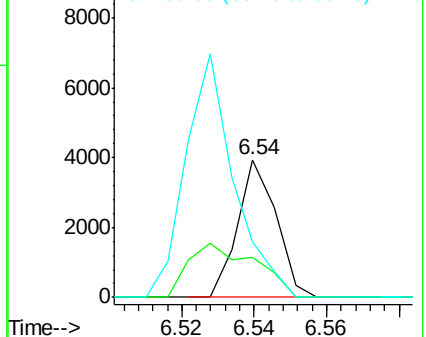
94 100

65 29.0 7.9 47.9

66 40.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#12

1,3-Dichlorobenzene

Concen: 0.02 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.08 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

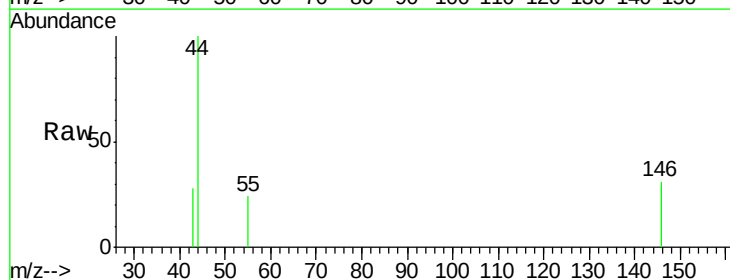
Tgt Ion: 146 Resp: 248

Ion Ratio Lower Upper

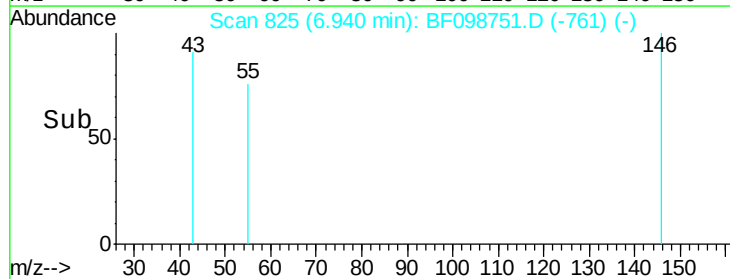
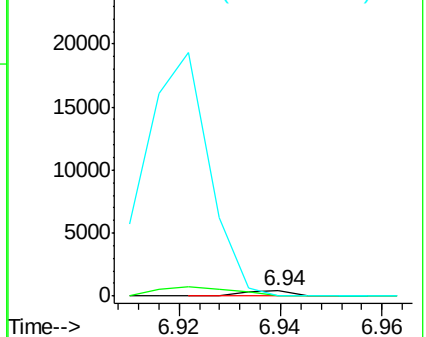
146 100

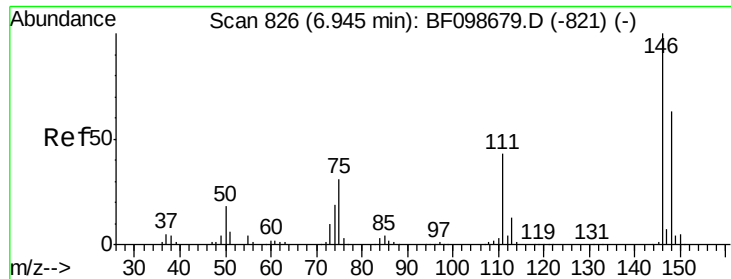
148 0.0 51.8 77.8#

75 0.0 24.2 36.4#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0

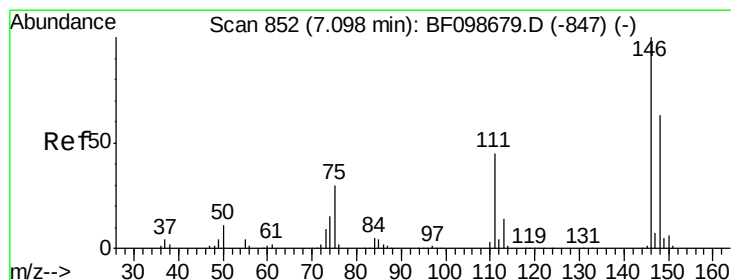
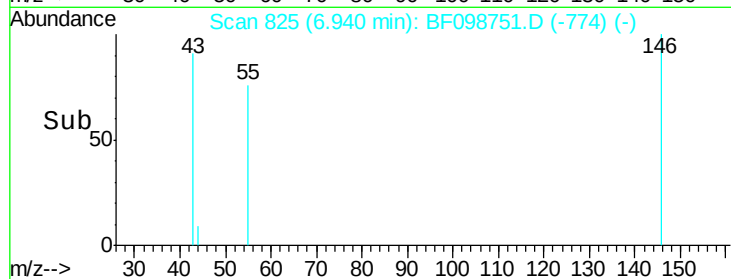
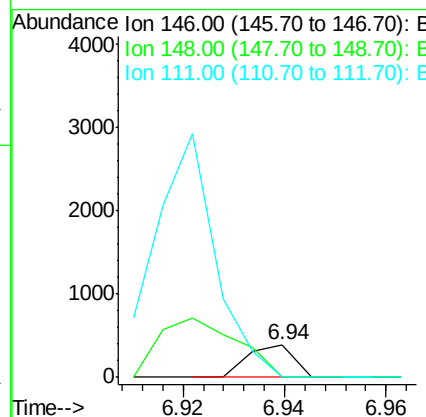
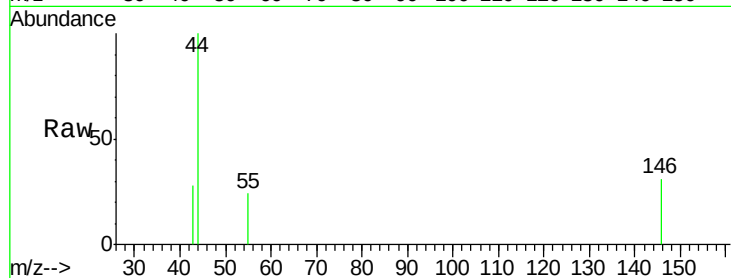




#13
 1,4-Dichlorobenzene
 Concen: 0.02 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

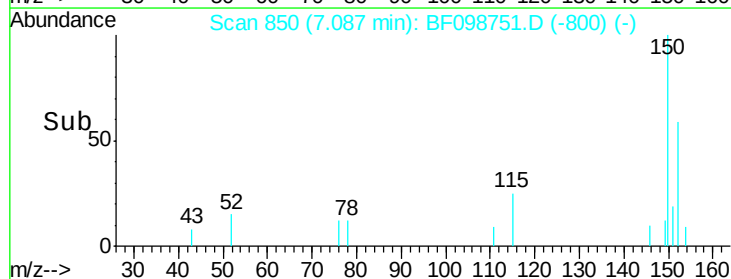
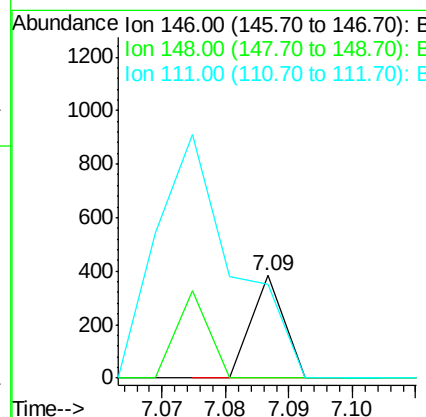
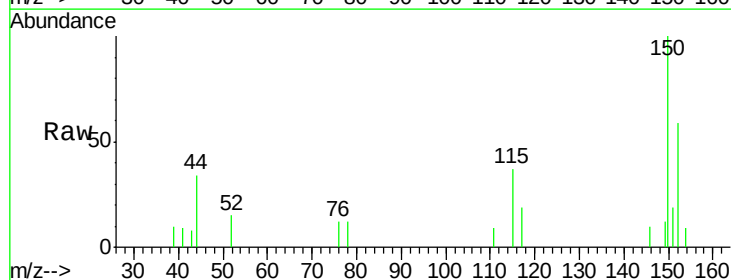
Instrument :
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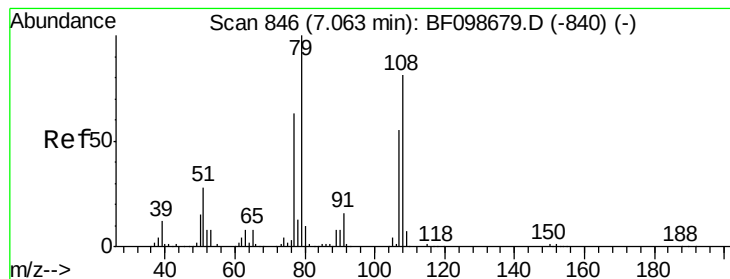
Tot Ion:146 Resp: 248
 Ion Ratio Lower Upper
 146 100
 148 0.0 50.8 76.2#
 111 0.0 34.2 51.2#



#14
 1,2-Dichlorobenzene
 Concen: 0.01 ng
 RT: 7.09 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion:146 Resp: 135
 Ion Ratio Lower Upper
 146 100
 148 0.0 50.6 75.8#
 111 91.9 36.0 54.0#





#15

Benzyl Alcohol

Concen: 0.15 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampled :

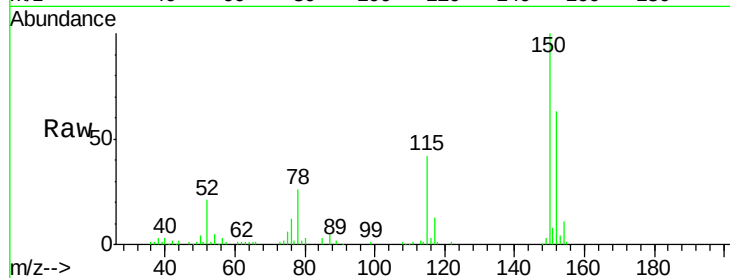
Tot Ion: 79 Resp: 1500

Ion Ratio Lower Upper

79 100

108 24.0 65.1 97.7#

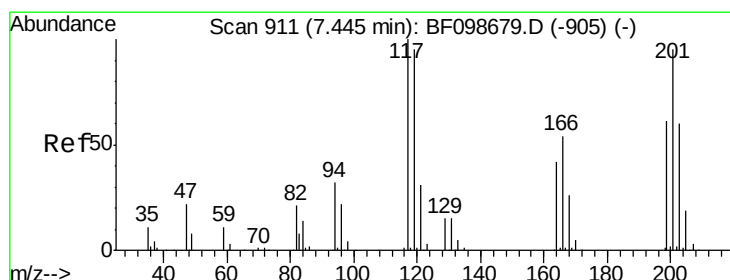
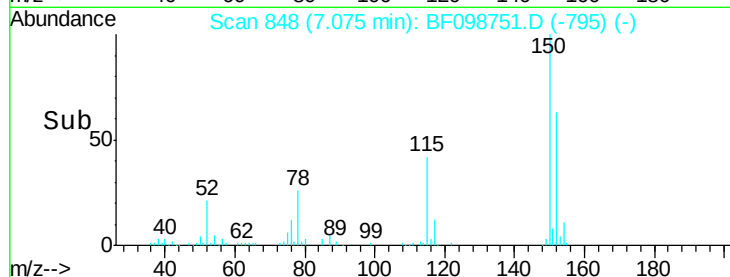
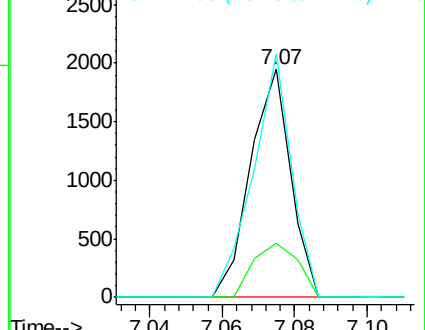
77 106.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 0.07 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

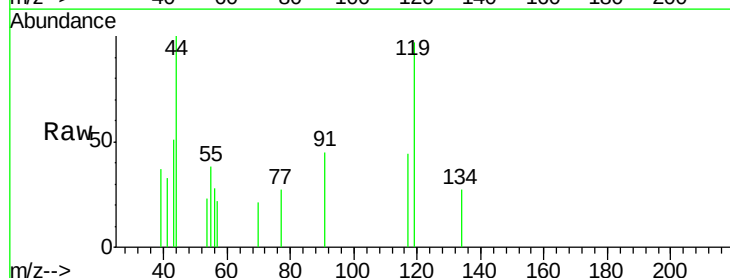
Tgt Ion: 117 Resp: 340

Ion Ratio Lower Upper

117 100

119 223.2 75.8 113.8#

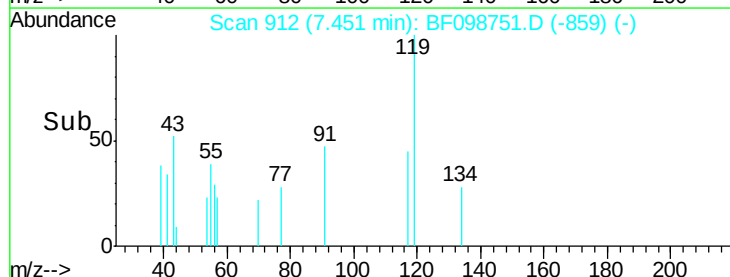
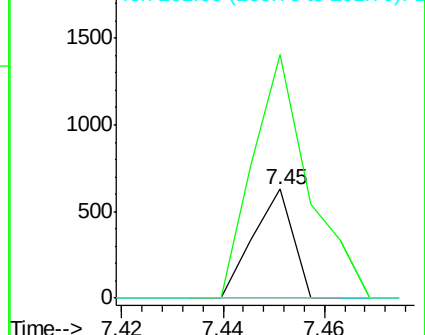
201 0.0 75.7 113.5#

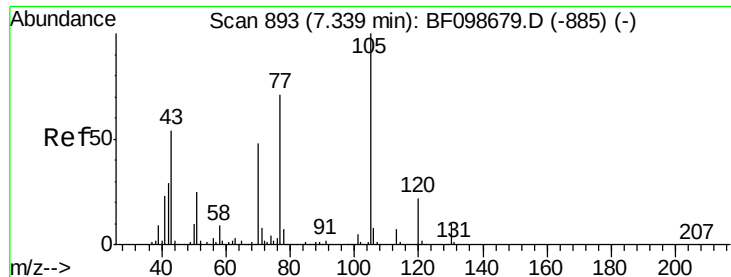


Abundance Ion 117.00 (116.70 to 117.70): BF0

Ion 119.00 (118.70 to 119.70): BF0

Ion 201.00 (200.70 to 201.70): BF0

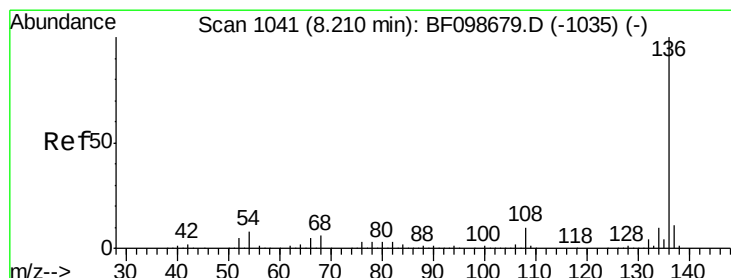
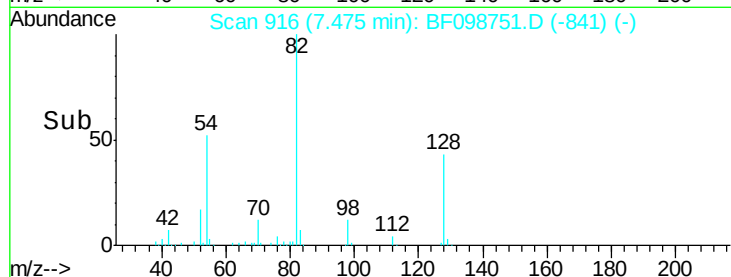
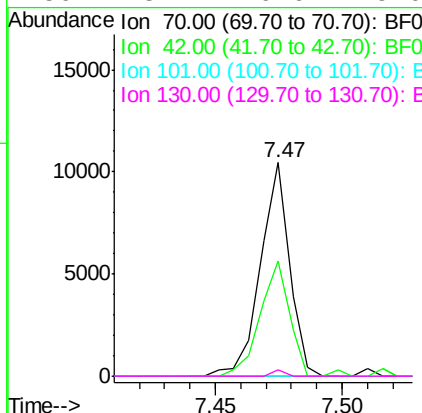
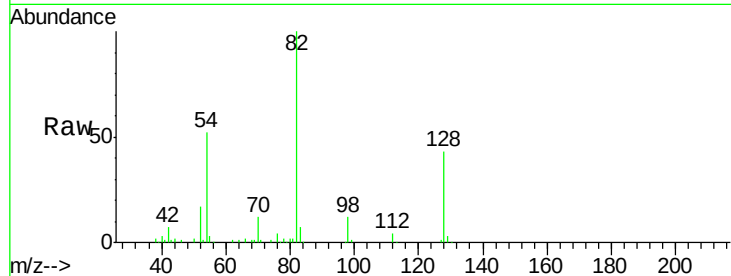




#19
n-Nitroso-di-n-propylamine
Concen: 0.97 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

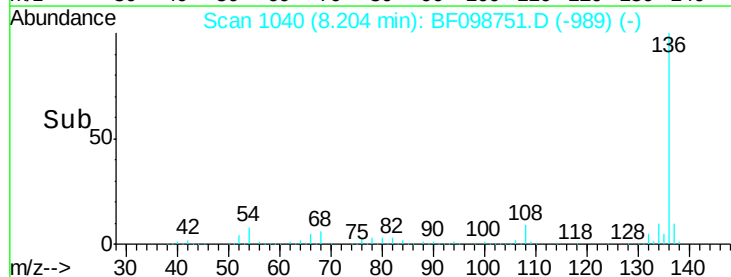
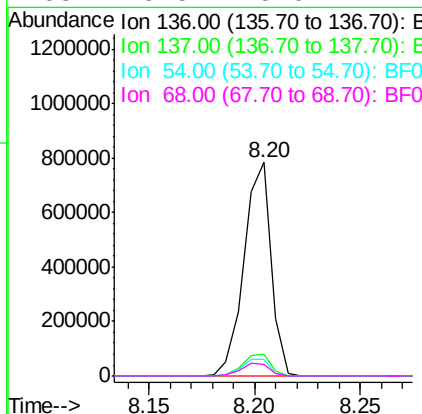
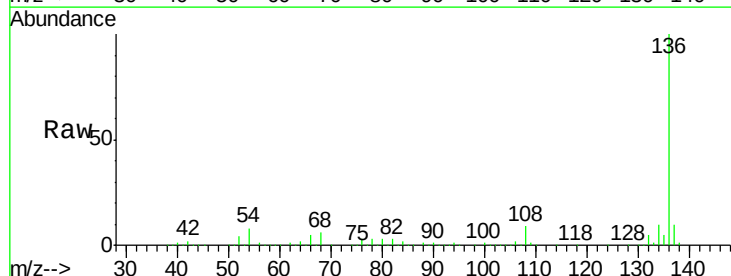
Instrument :
BNA_F
ClientSampleId :

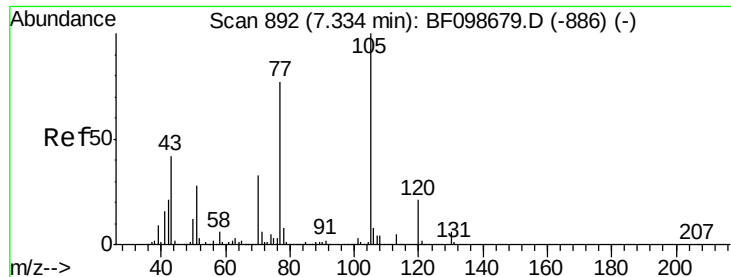
Tot Ion: 70 Resp: 8457
Ion Ratio Lower Upper
70 100
42 53.9 47.5 71.3
101 0.0 7.4 11.2#
130 3.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion: 136 Resp: 697871
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 7.6 6.6 9.8
68 5.5 5.0 7.4





#22

Acetophenone

Concen: 0.07 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 1110

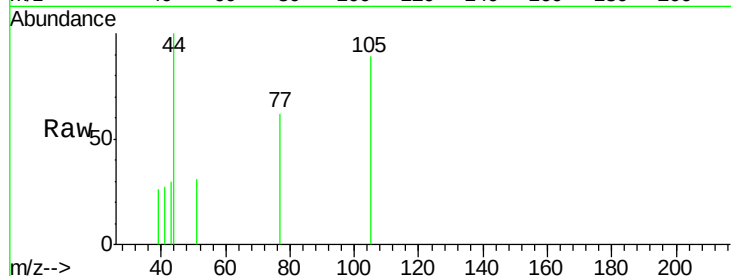
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 34.3 22.3 33.5#

120 0.0 16.9 25.3#

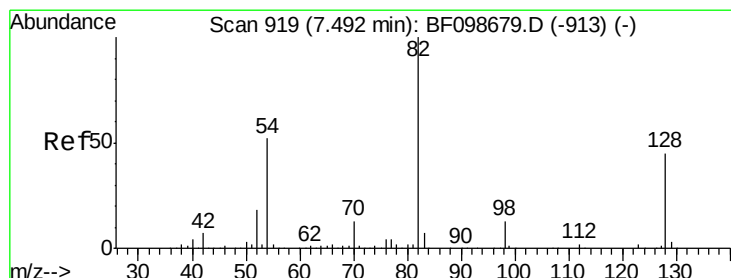
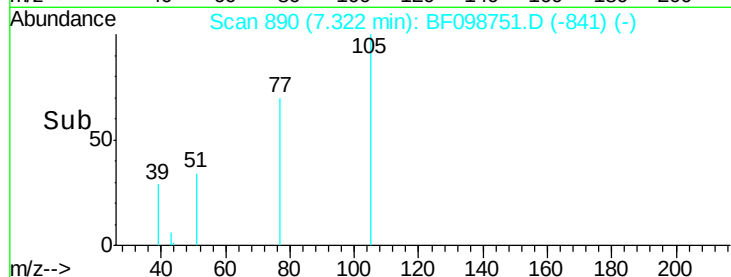
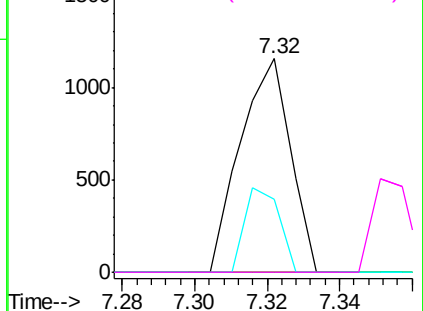


Abundance Ion 105.00 (104.70 to 105.70): E

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: 6.13 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

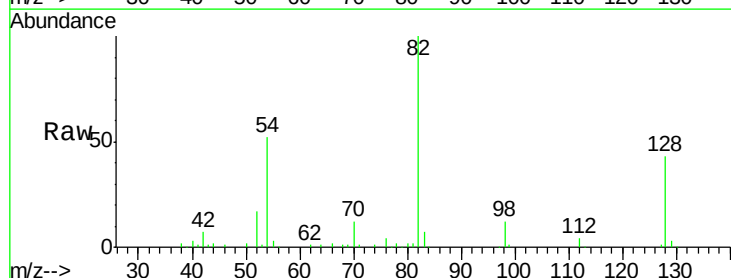
Tgt Ion: 82 Resp: 66715

Ion Ratio Lower Upper

82 100

128 43.3 36.1 54.1

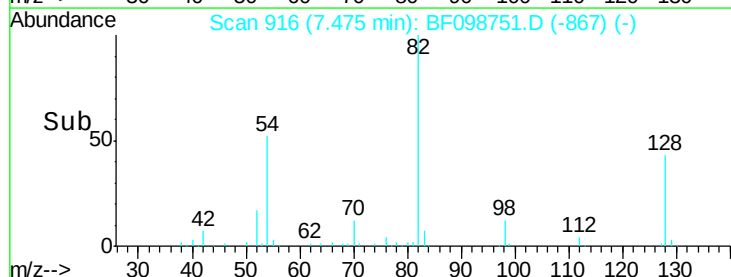
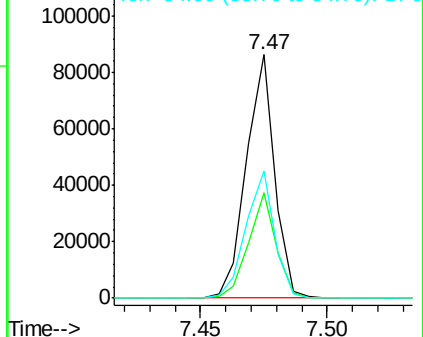
54 52.2 41.4 62.2

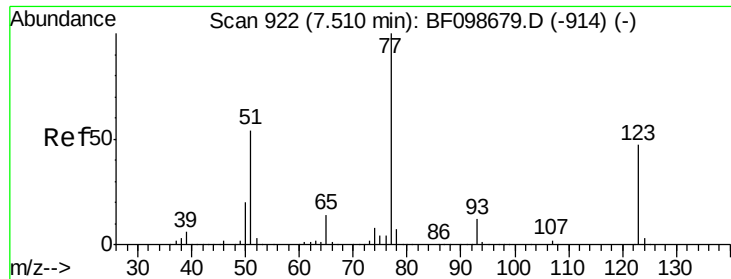


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

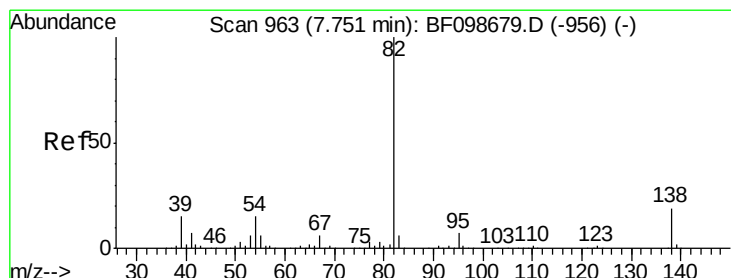
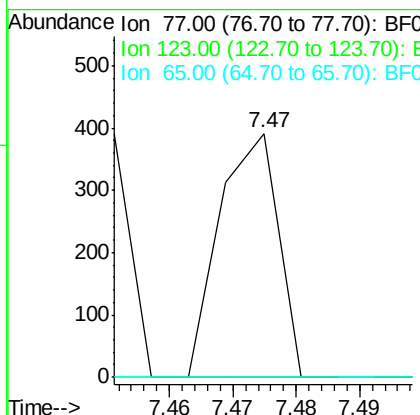
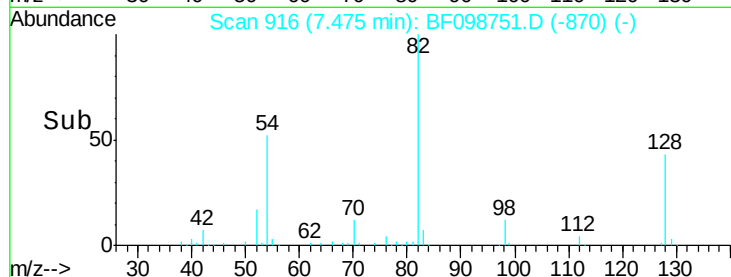
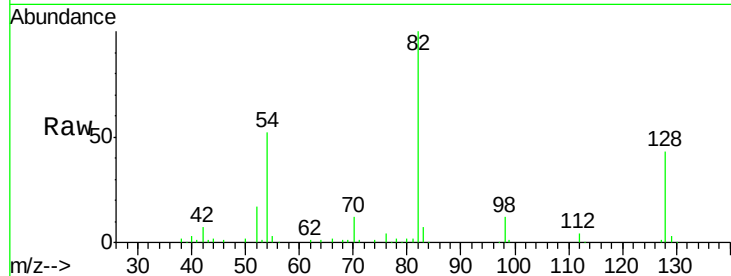




#24
 Nitrobenzene
 Concen: 0.02 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

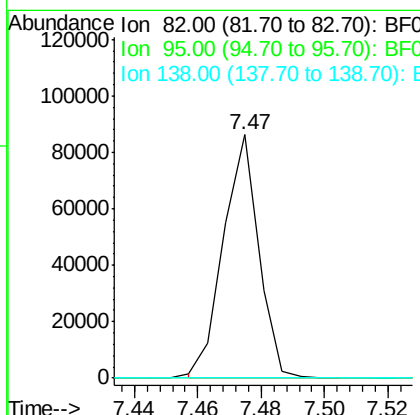
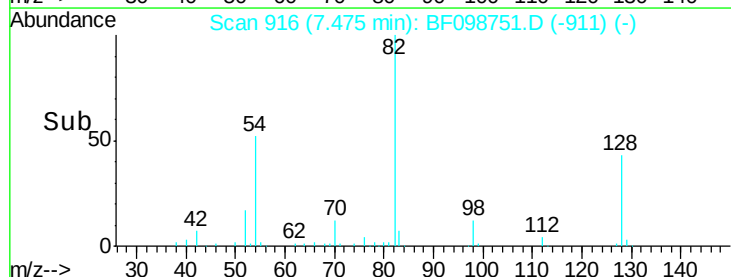
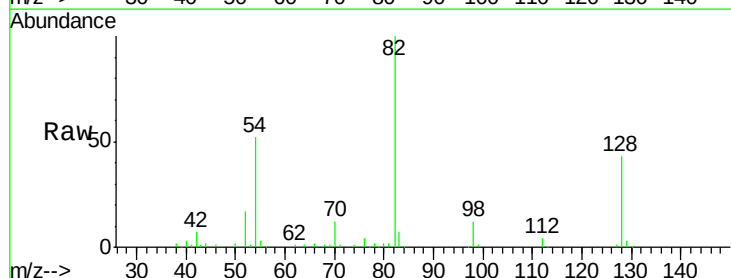
Instrument :
 BNA_F
 ClientSampled :

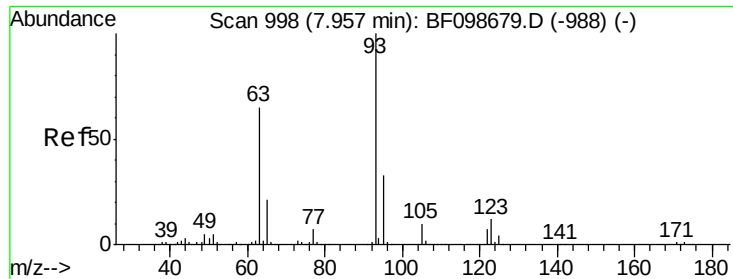
Tot Ion: 77 Resp: 249
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 0.0 11.0 16.4#



#25
 Isophorone
 Concen: 2.94 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.27 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion: 82 Resp: 66121
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#28

bis(2-Chloroethoxy)methane

Concen: 0.04 ng

RT: 8.22 min Scan# 1042

Delta R.T. 0.26 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

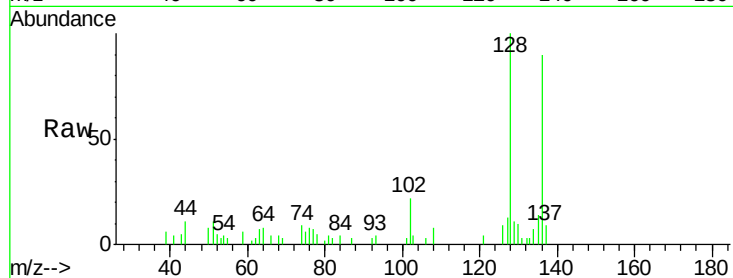
Tot Ion: 93 Resp: 577

Ion Ratio Lower Upper

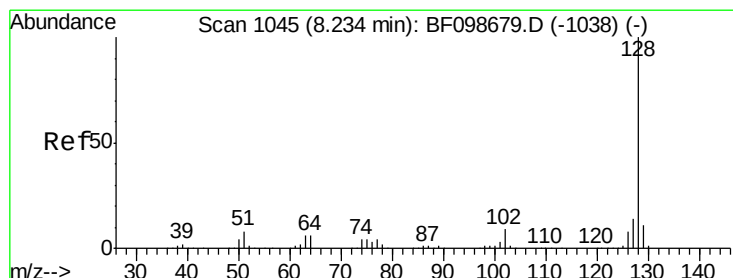
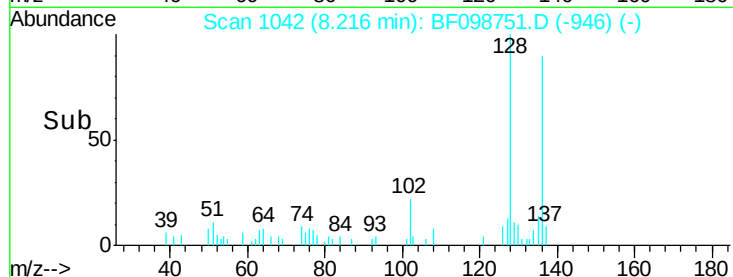
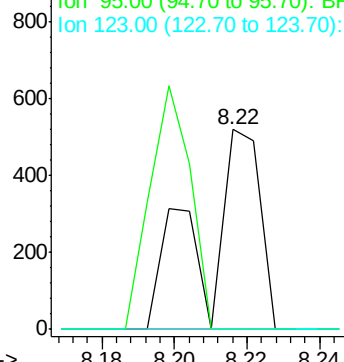
93 100

95 0.0 26.3 39.5#

123 0.0 9.8 14.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E



#31

Naphthalene

Concen: 0.68 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

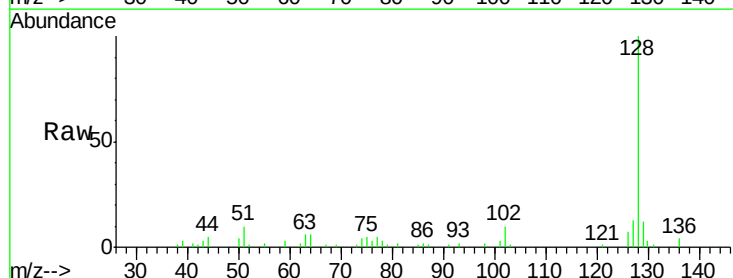
Tgt Ion: 128 Resp: 22183

Ion Ratio Lower Upper

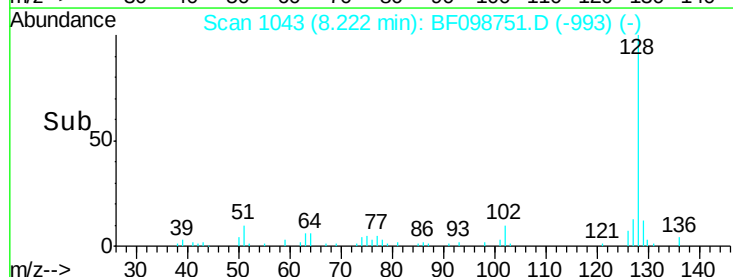
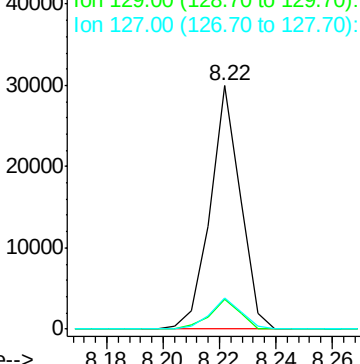
128 100

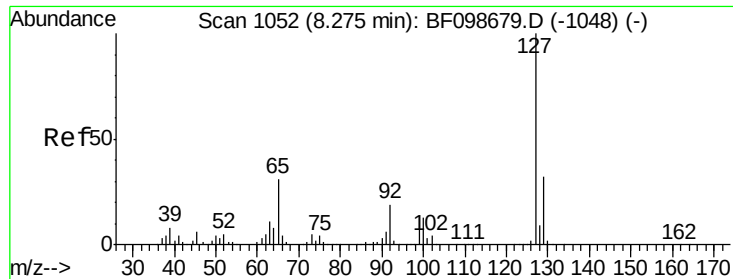
129 12.2 8.8 13.2

127 12.5 10.9 16.3



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

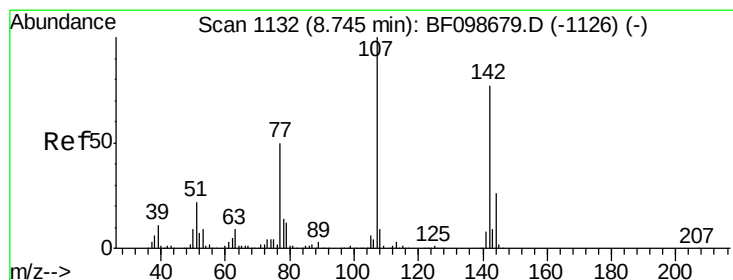
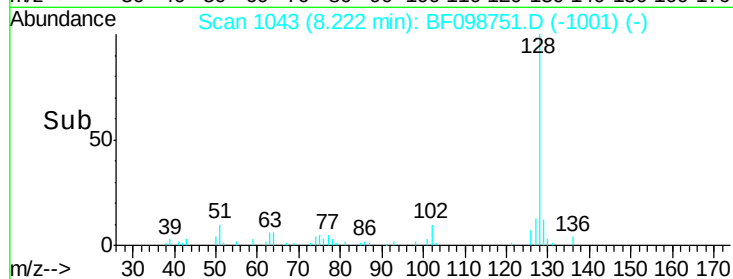
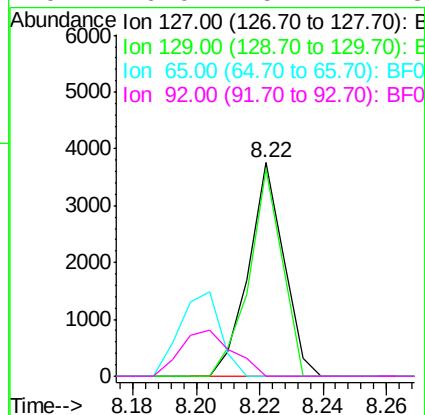
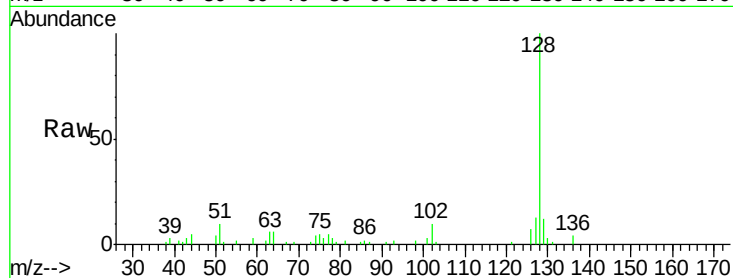




#33
4-Chloroaniline
Concen: 0.21 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.05 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

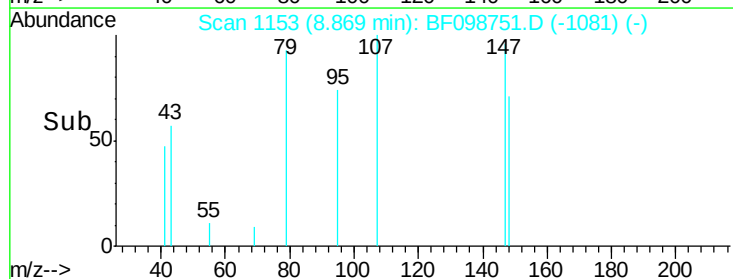
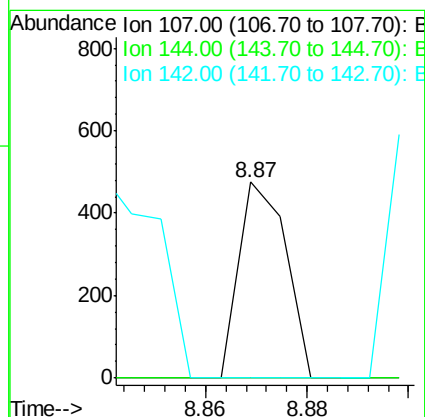
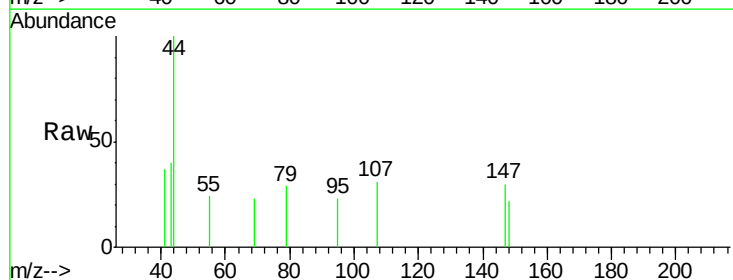
Instrument :
BNA_F
ClientSampleId :

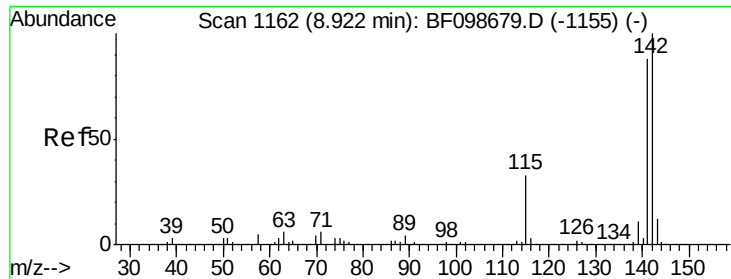
Tot Ion:	127	Resp:	2919
Ion	Ratio	Lower	Upper
127	100		
129	96.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#36
4-Chloro-3-methylphenol
Concen: 0.03 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.12 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion:	107	Resp:	306
Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.5	30.7#
142	0.0	62.0	93.0#

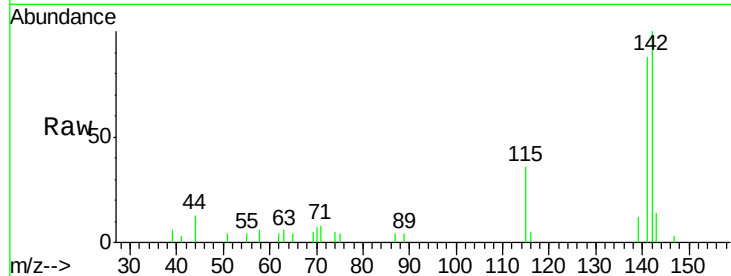




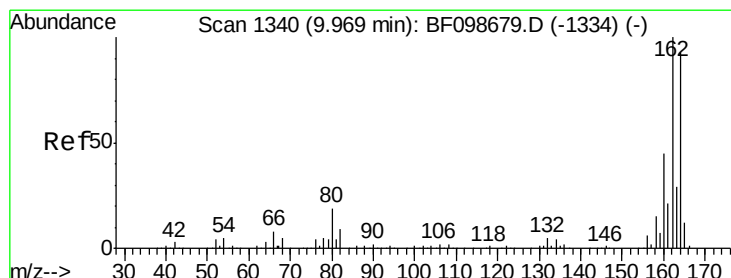
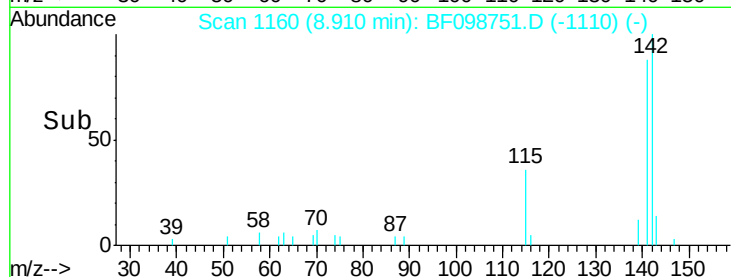
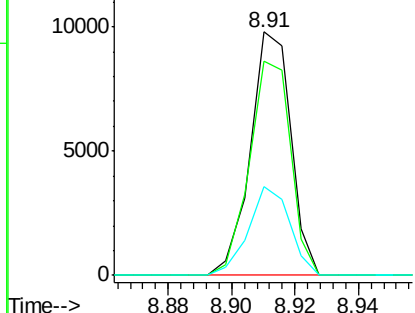
#37
 2-Methylnaphthalene
 Concen: 0.41 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:142 Resp: 8689
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.8 106.2
 115 36.3 26.1 39.1

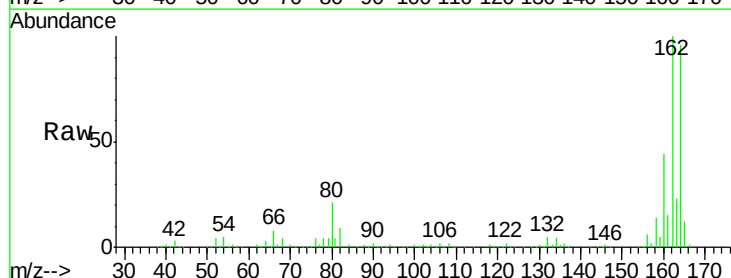


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

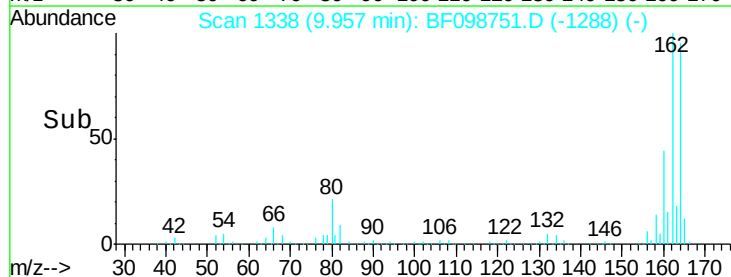
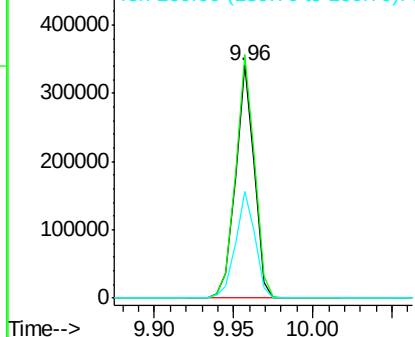


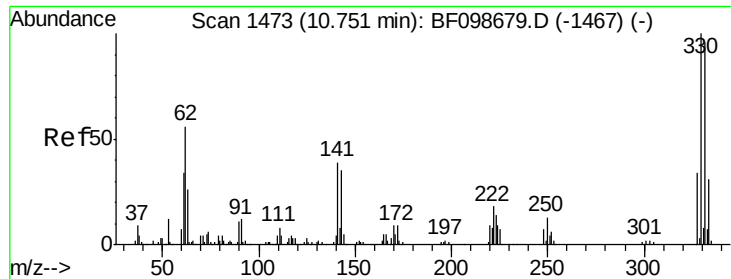
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion:164 Resp: 278986
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 46.0 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

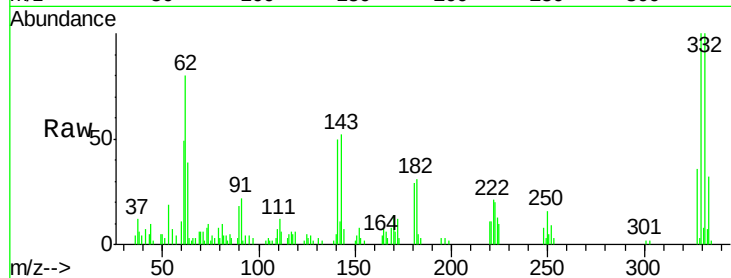




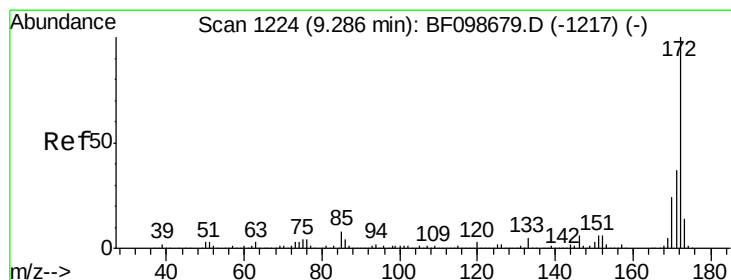
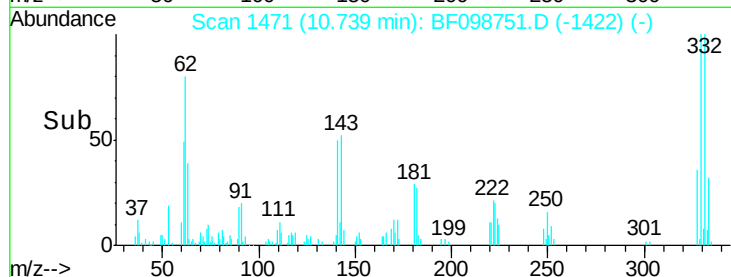
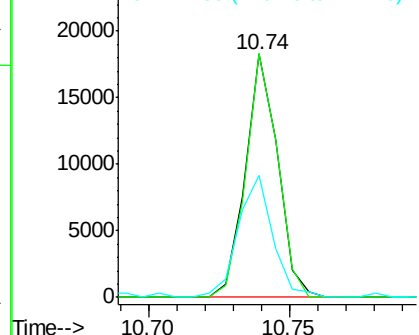
#41
 2,4,6-Tribromophenol
 Concen: 6.35 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	54.1	29.9	44.9

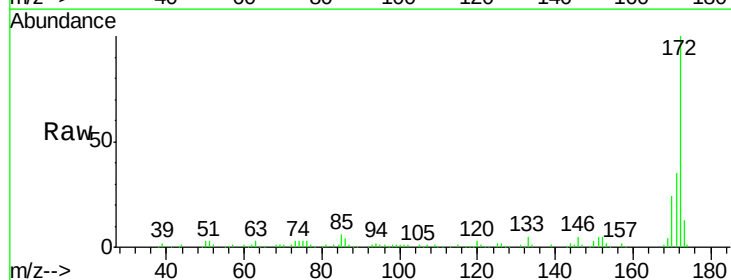


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

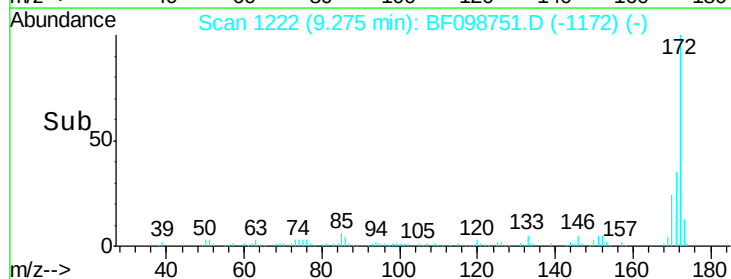
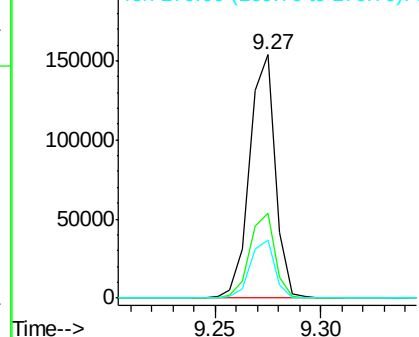


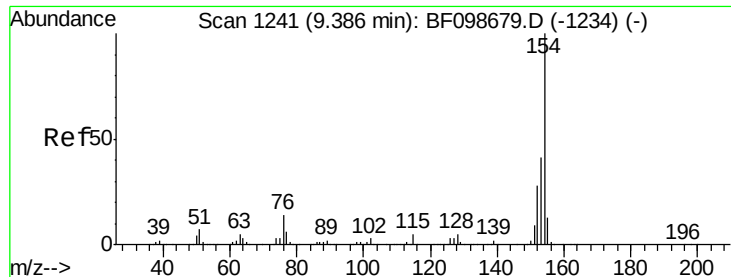
#44
 2-Fluorobiphenyl
 Concen: 7.76 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.9	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: 0.11 ng

RT: 9.37 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

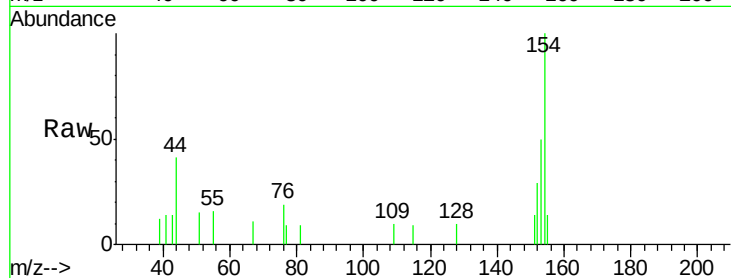
Tot Ion:154 Resp: 2660

Ion Ratio Lower Upper

154 100

153 49.6 21.3 61.3

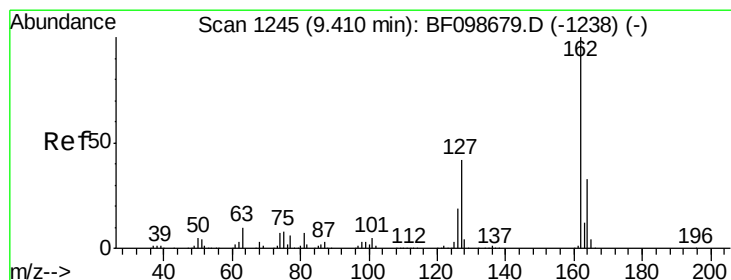
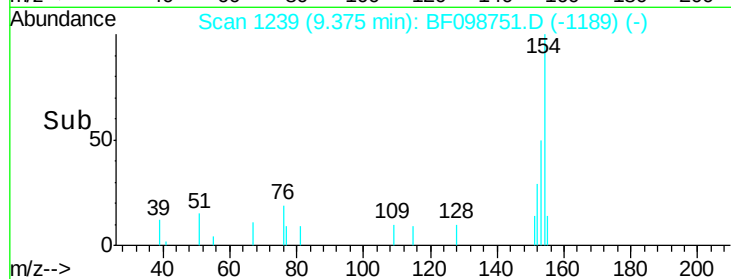
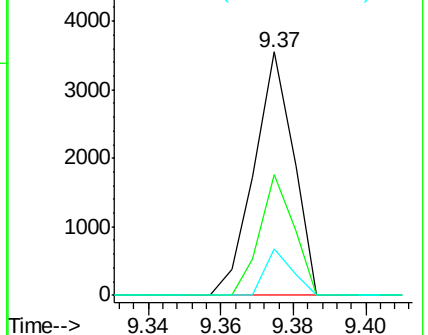
76 19.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 0.01 ng

RT: 9.55 min Scan# 1268

Delta R.T. 0.14 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

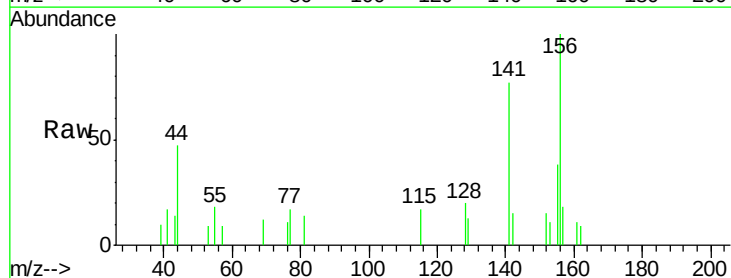
Tgt Ion:162 Resp: 106

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

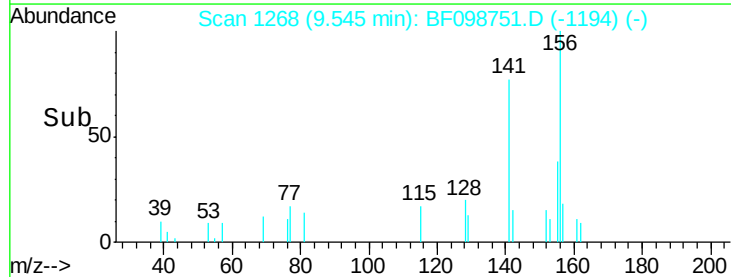
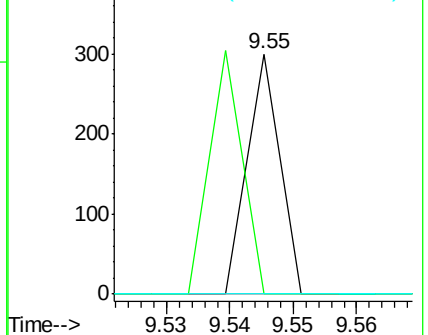
164 0.0 26.5 39.7#

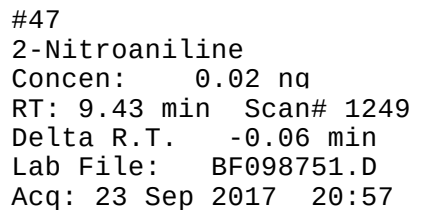


Abundance Ion 162.00 (161.70 to 162.70): E

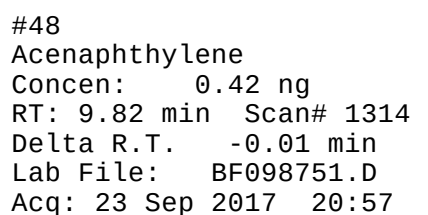
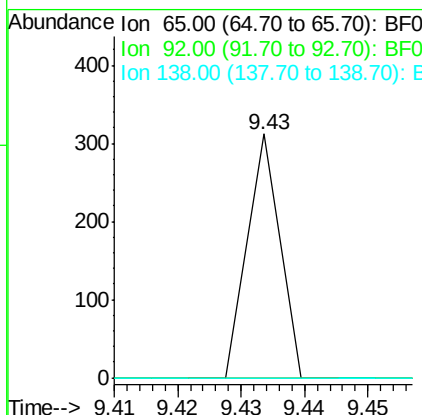
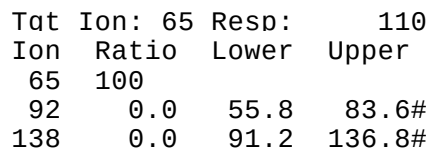
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

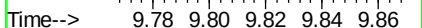
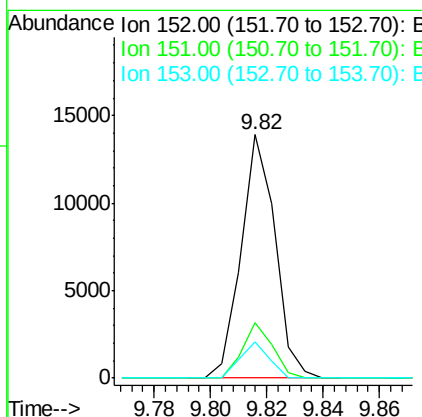


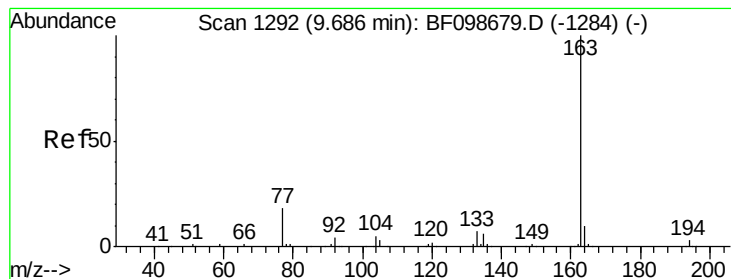


Instrument :
BNA_F
ClientSampleId :



Tgt	Ion:152	Resp:	11627
Ion	Ratio	Lower	Upper
152	100		
151	22.6	16.3	24.5
153	15.0	10.7	16.1





#49

Dimethylphthalate

Concen: 0.62 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

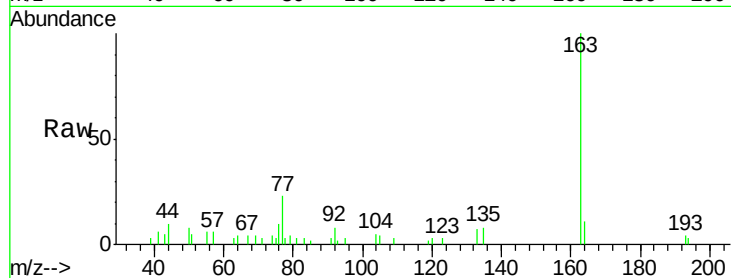
Tot Ion:163 Resp: 12951

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

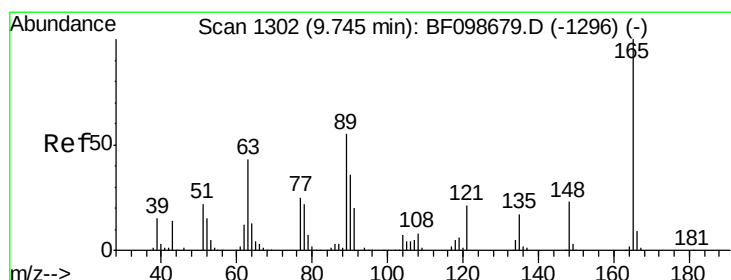
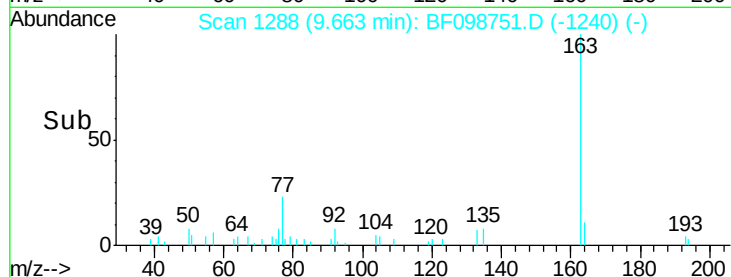
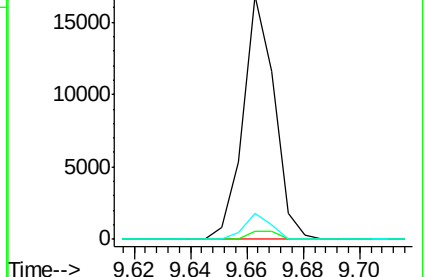
164 10.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.85 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.22 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

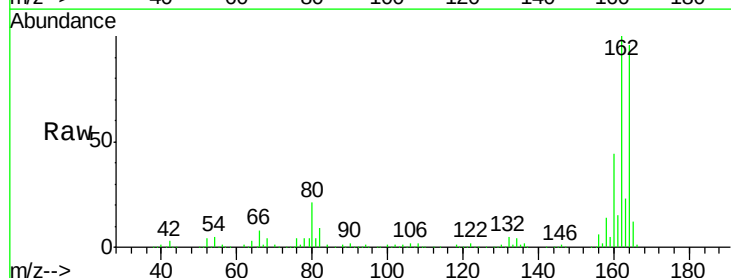
Tgt Ion:165 Resp: 35966

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

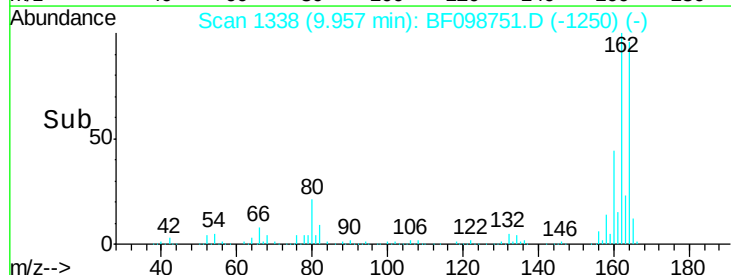
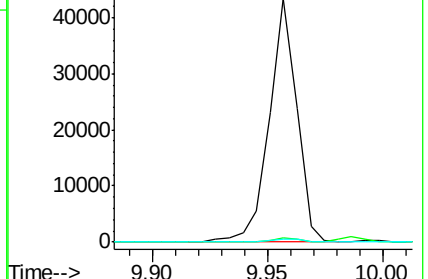
89 1.0 44.0 66.0#

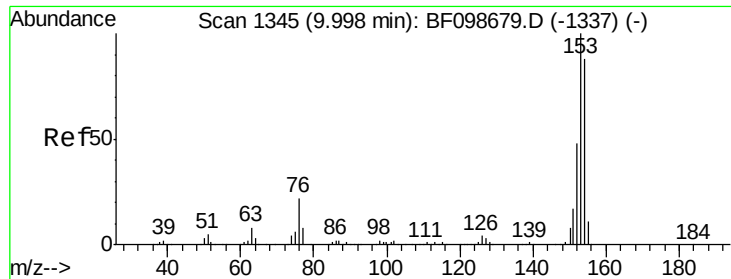


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.50 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

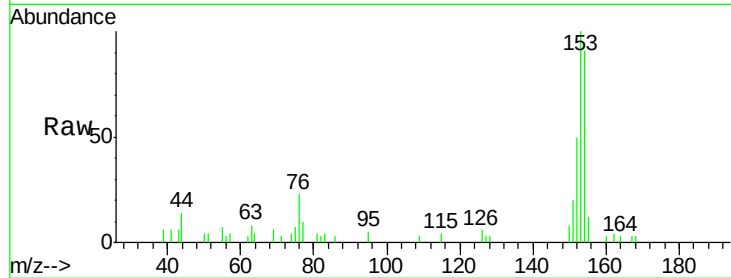
Tot Ion:154 Resp: 8761

Ion Ratio Lower Upper

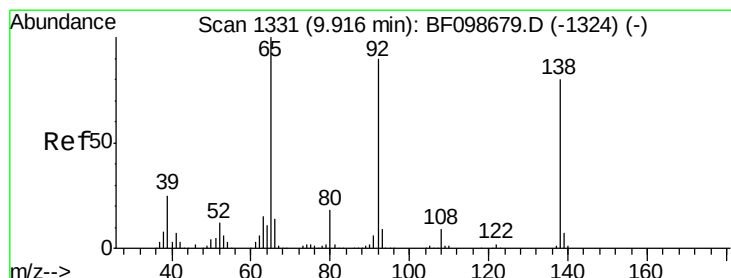
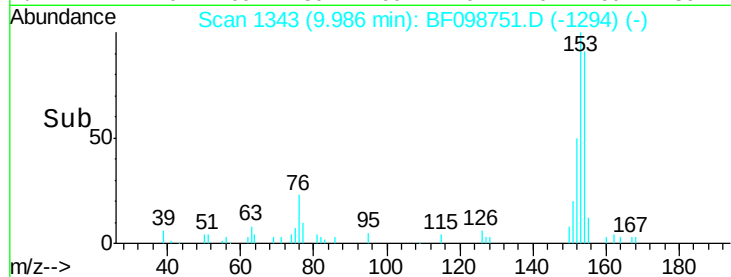
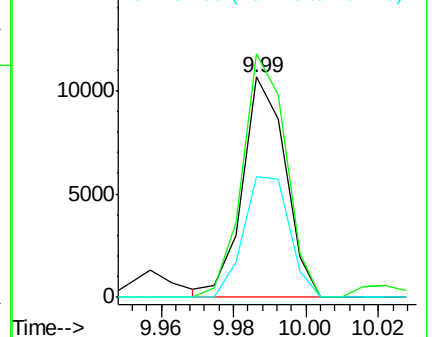
154 100

153 110.4 91.2 136.8

152 54.8 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



#52

3-Nitroaniline

Concen: 0.02 ng

RT: 10.16 min Scan# 1372

Delta R.T. 0.25 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

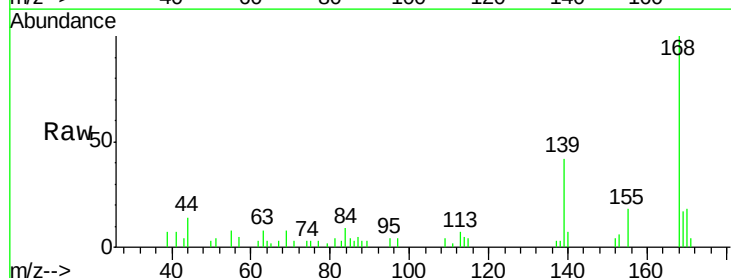
Tgt Ion:138 Resp: 116

Ion Ratio Lower Upper

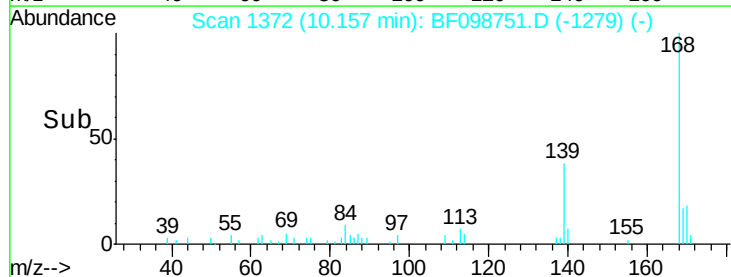
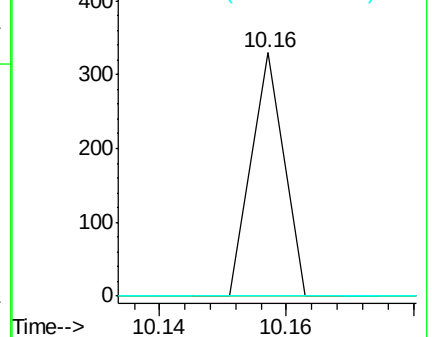
138 100

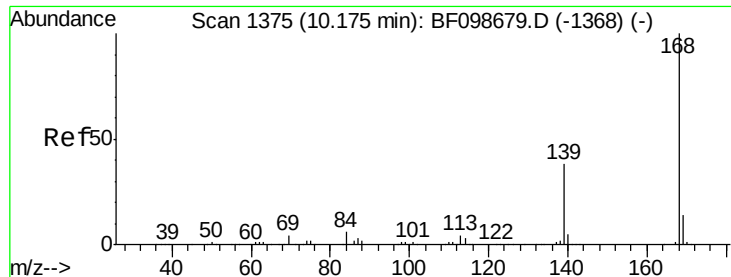
108 0.0 9.4 14.0#

92 0.0 89.4 134.2#



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): BF0

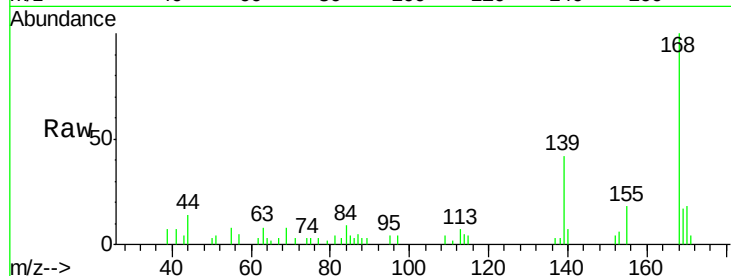




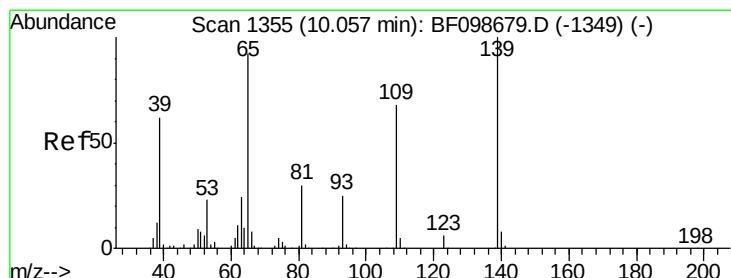
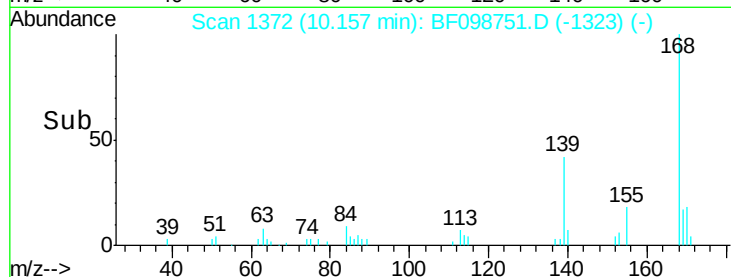
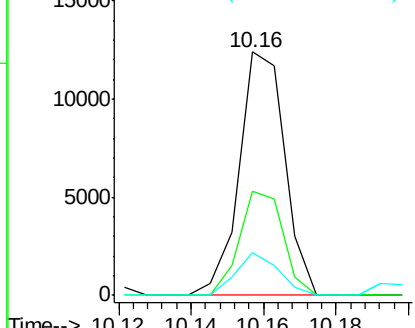
#54
Dibenzenofuran
Concen: 0.47 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 10924
Ion Ratio Lower Upper
168 100
139 42.5 30.1 45.1
169 17.4 10.9 16.3#

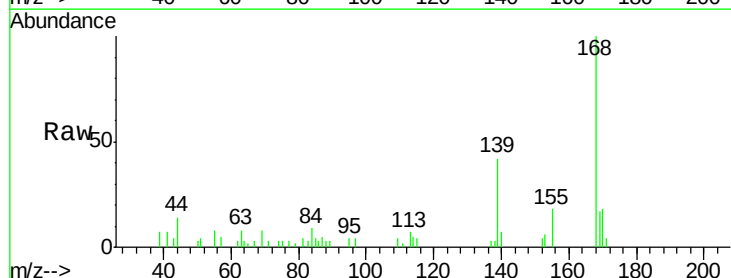


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

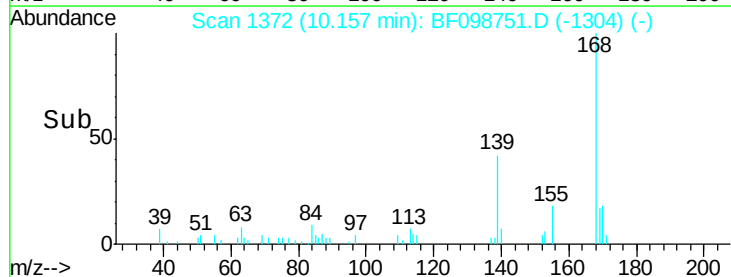
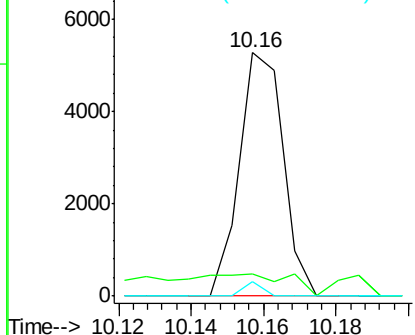


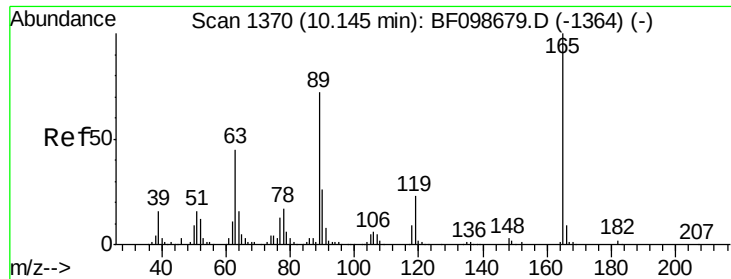
#55
4-Nitrophenol
Concen: 0.99 ng
RT: 10.16 min Scan# 1372
Delta R.T. 0.10 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion:139 Resp: 4465
Ion Ratio Lower Upper
139 100
109 9.1 48.4 88.4#
65 5.8 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): BF0

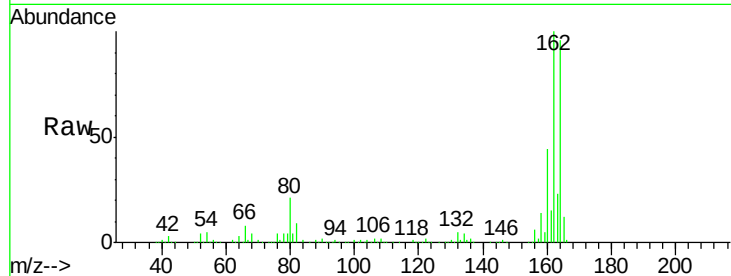




#56
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.19 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

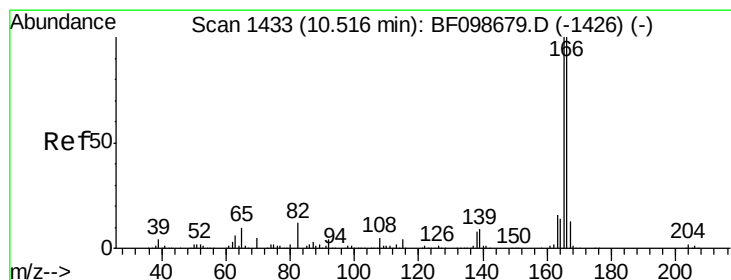
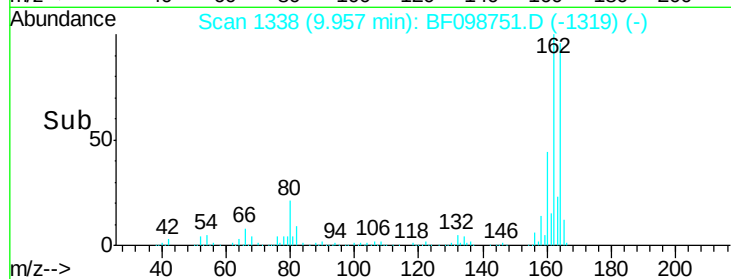
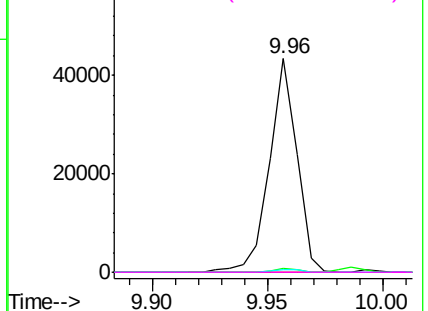


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

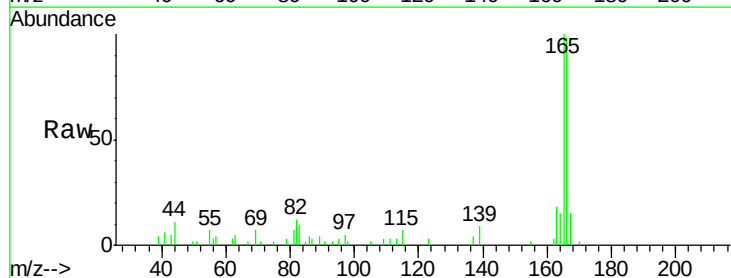
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 0.79 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

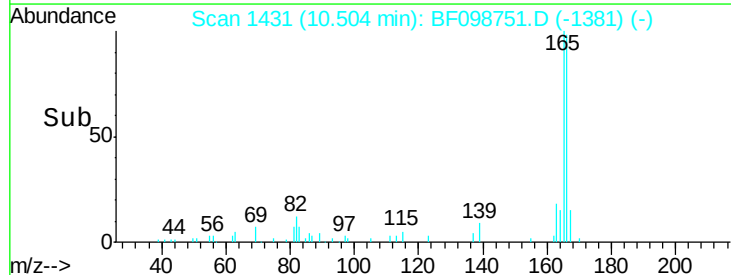
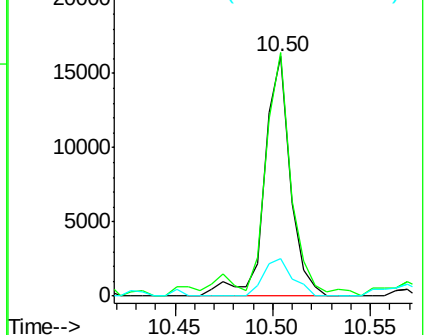
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.8	119.8
167	15.6	10.6	16.0

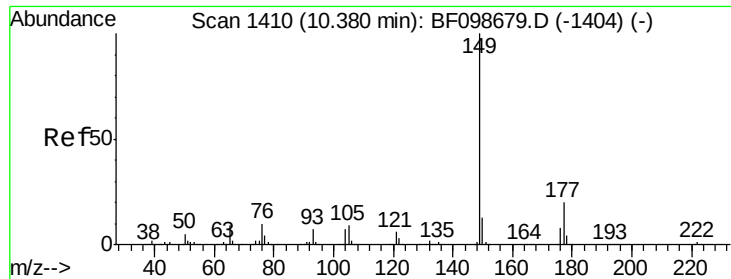


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

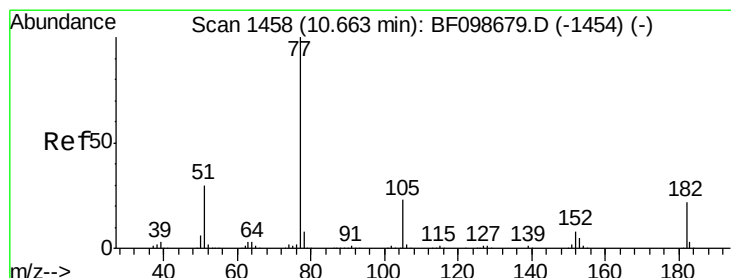
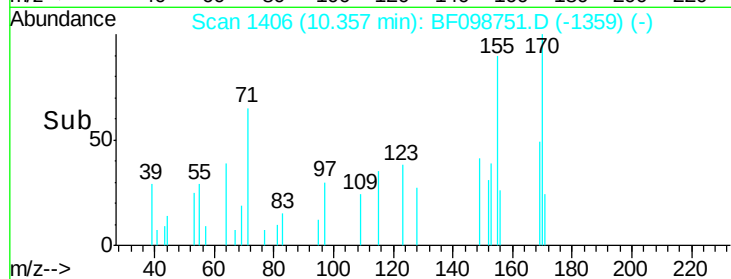
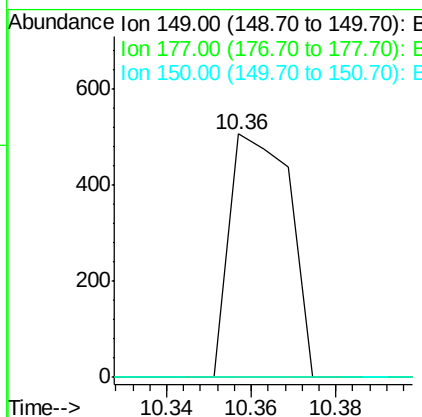
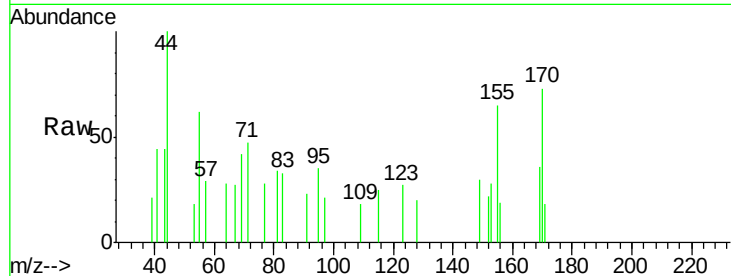




#59
Diethylphthalate
Concen: 0.02 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

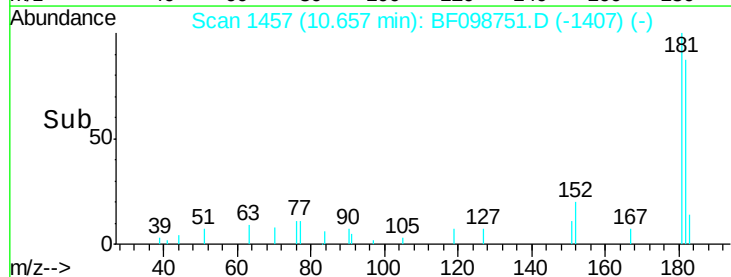
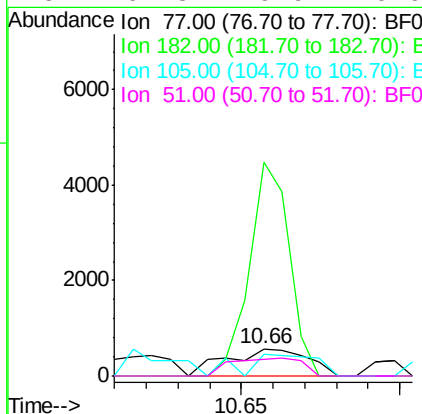
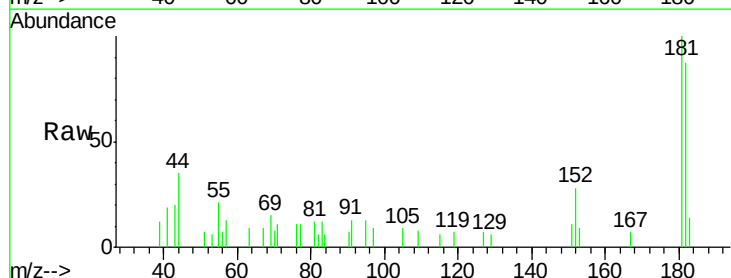
Instrument :
BNA_F
ClientSampleId :

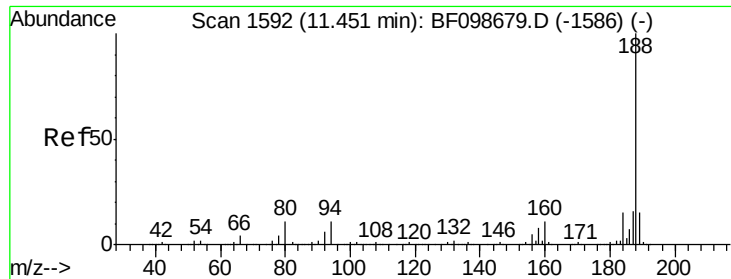
Tot Ion:149 Resp: 501
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.05 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion: 77 Resp: 1030
Ion Ratio Lower Upper
77 100
182 789.6 1.7 41.7#
105 82.2 3.0 43.0#
51 62.3 9.9 49.9#

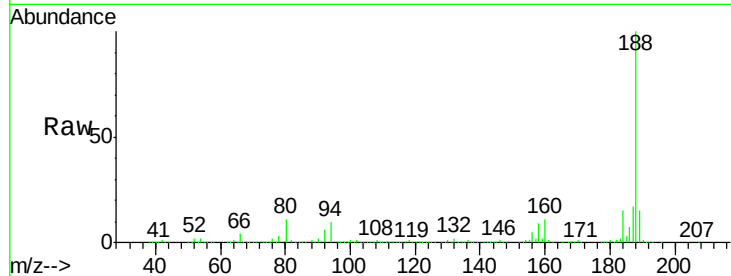




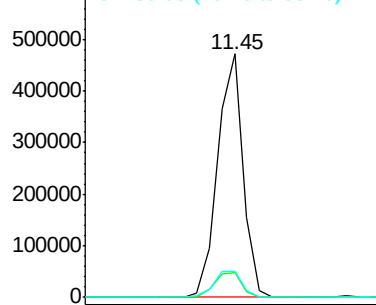
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Instrument :
BNA_F
ClientSampleId :

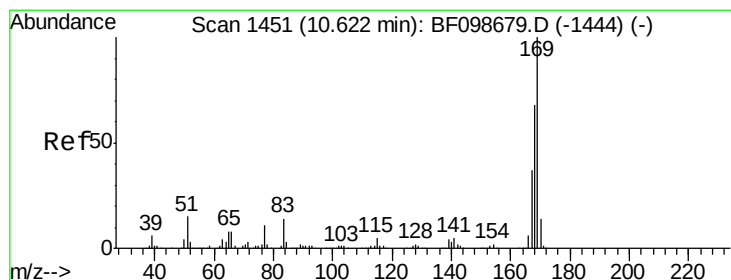
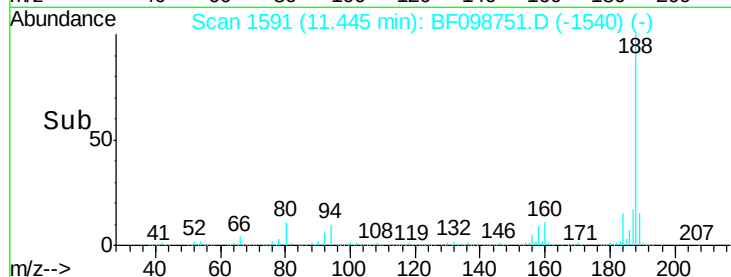
Tot Ion:188 Resp: 392415
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

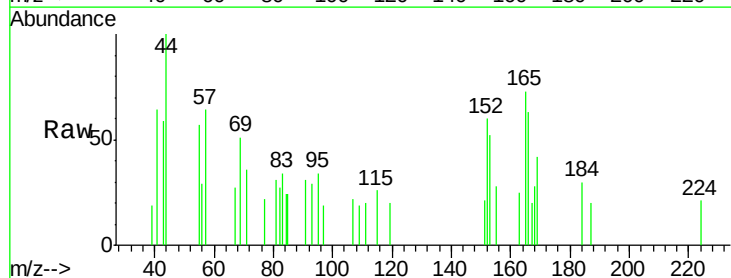


Time-->

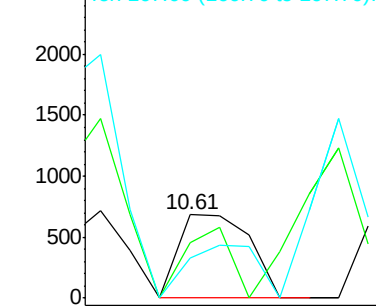


#65
n-Nitrosodiphenylamine
Concen: 0.05 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

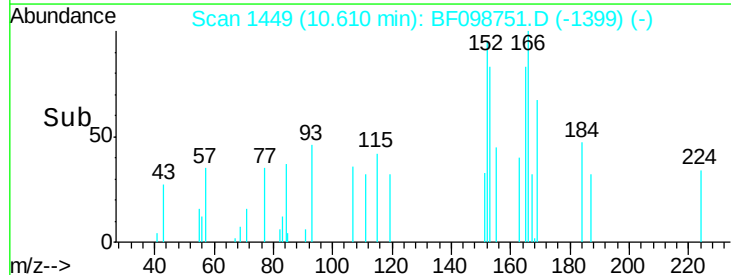
Tgt Ion:169 Resp: 659
Ion Ratio Lower Upper
169 100
168 67.3 54.4 81.6
167 48.5 29.8 44.6#

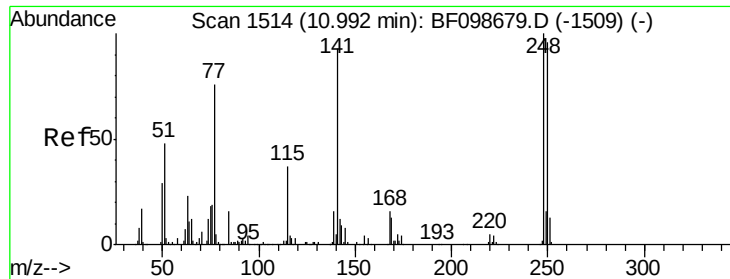


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->

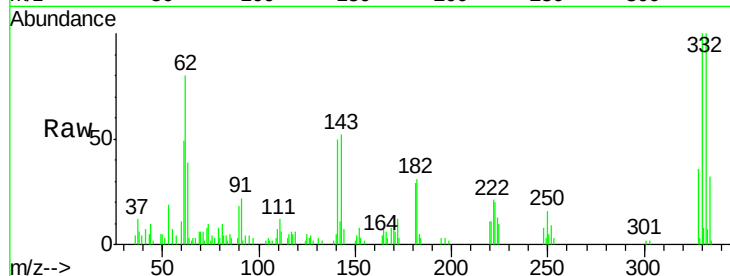




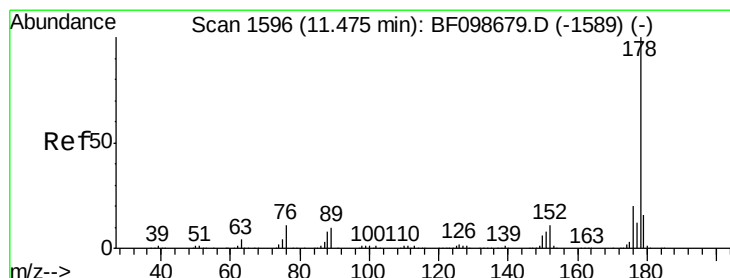
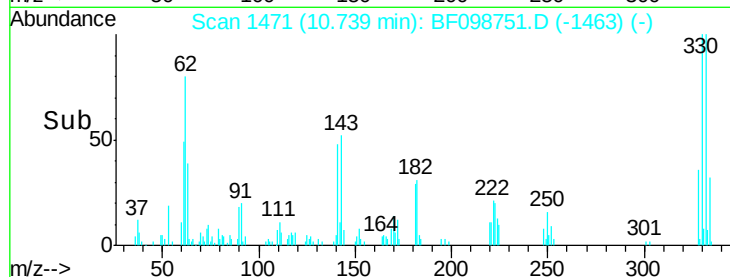
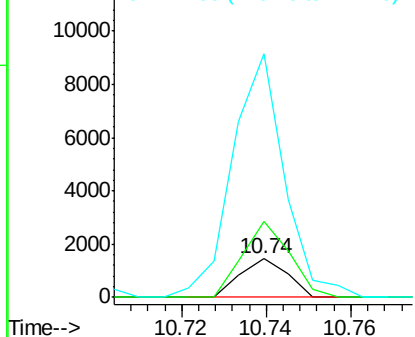
#66
 4-Bromophenyl-phenylether
 Concen: 0.29 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 1105
 Ion Ratio Lower Upper
 248 100
 250 256.2 76.9 115.3#
 141 637.6 74.4 111.6#

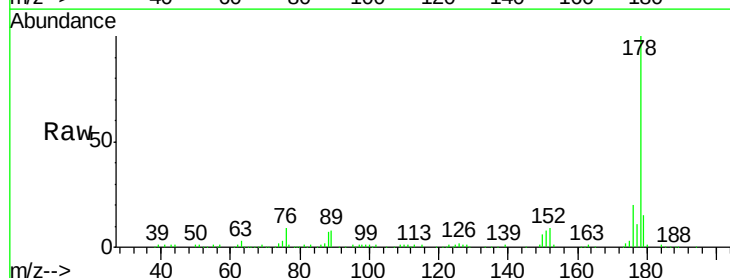


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

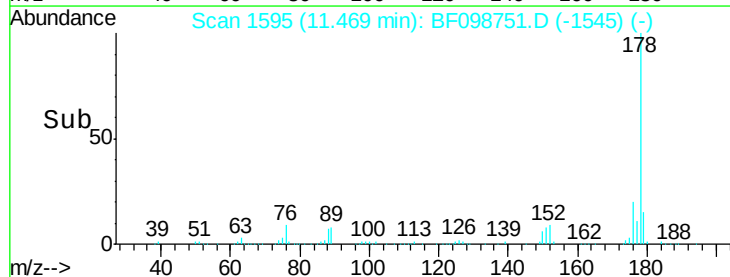
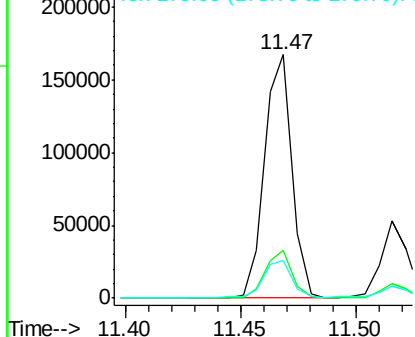


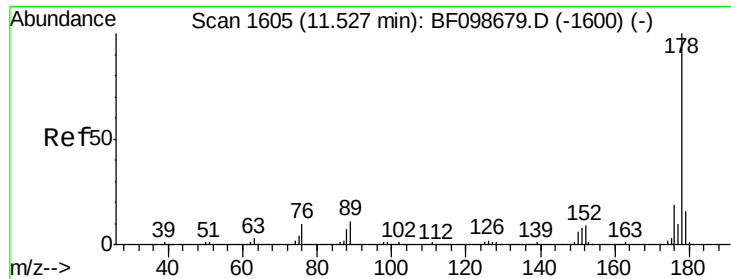
#70
 Phenanthrene
 Concen: 6.63 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Tgt Ion:178 Resp: 139236
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.2 13.0 19.6



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





#71

Anthracene

Concen: 1.93 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

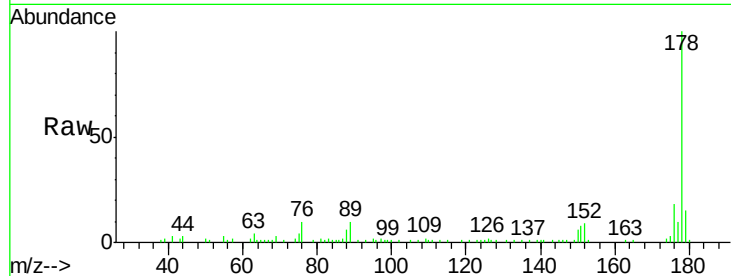
Tot Ion:178 Resp: 41453

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

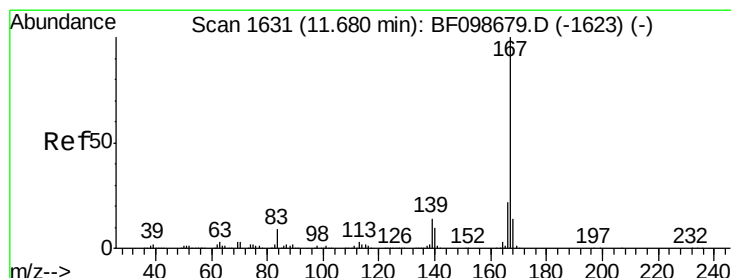
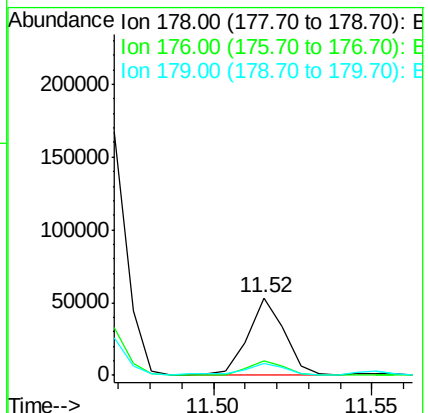
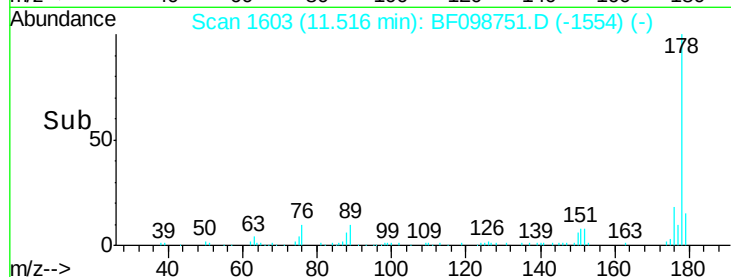
179 14.9 12.6 19.0



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: 0.26 ng

RT: 11.67 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

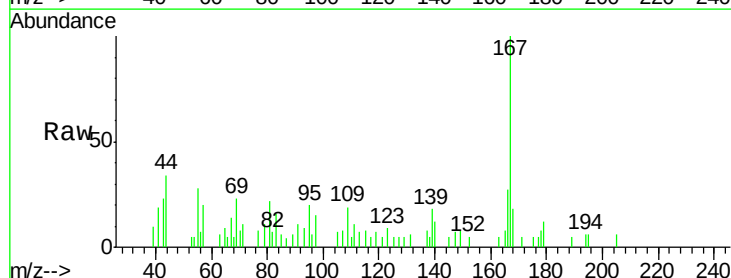
Tgt Ion:167 Resp: 5392

Ion Ratio Lower Upper

167 100

166 26.7 17.6 26.4#

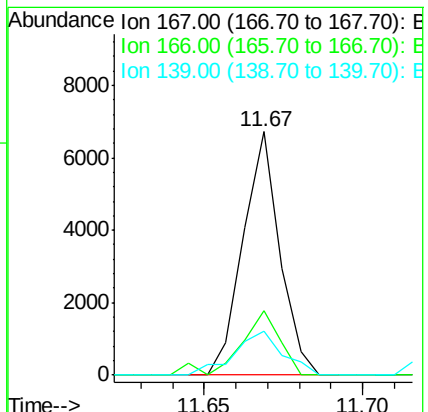
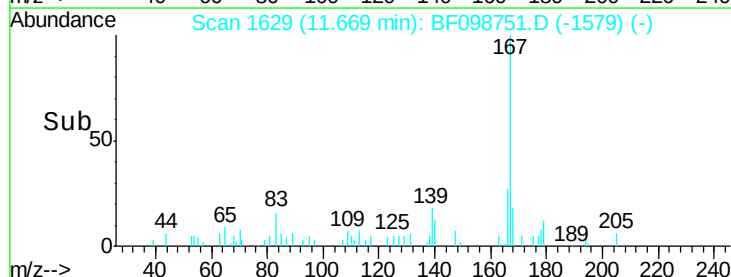
139 17.9 10.9 16.3#

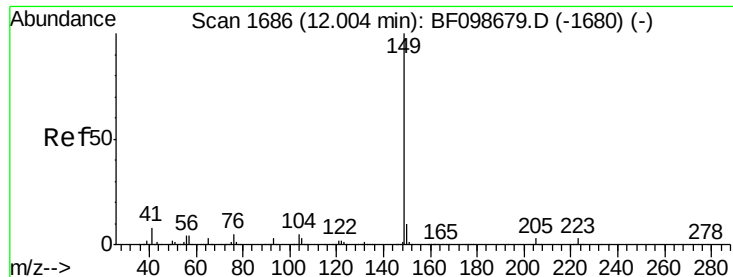


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

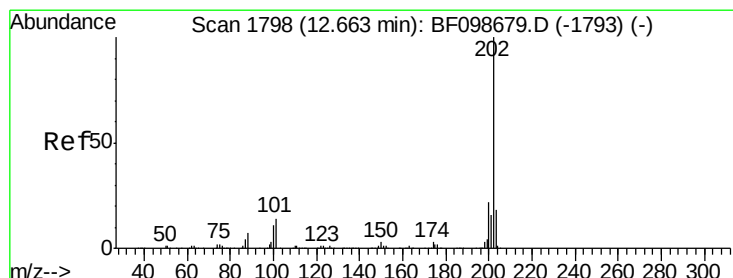
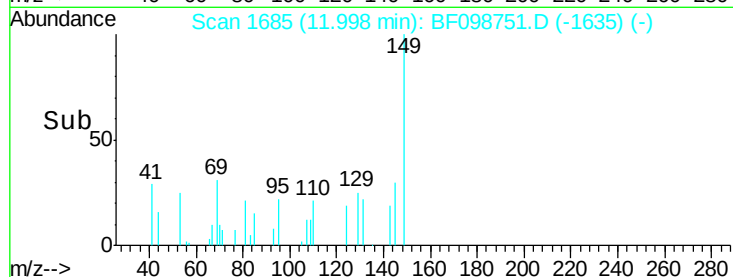
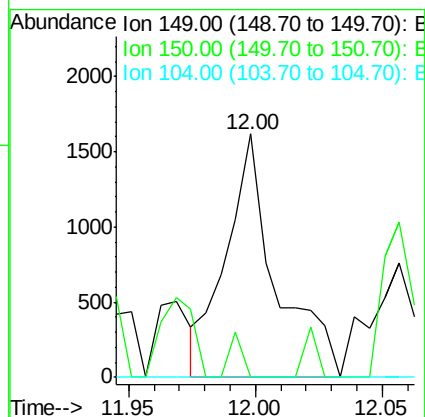
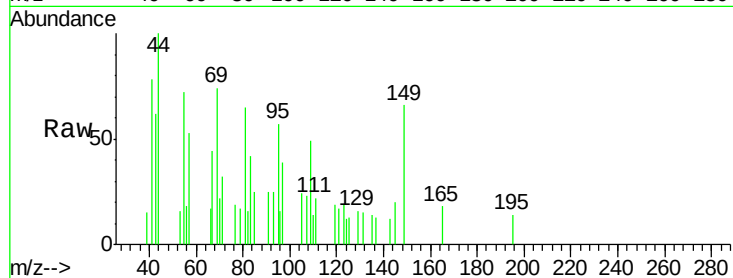




#73
Di-n-butylphthalate
Concen: 0.09 ng
RT: 12.00 min Scan# 1685
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

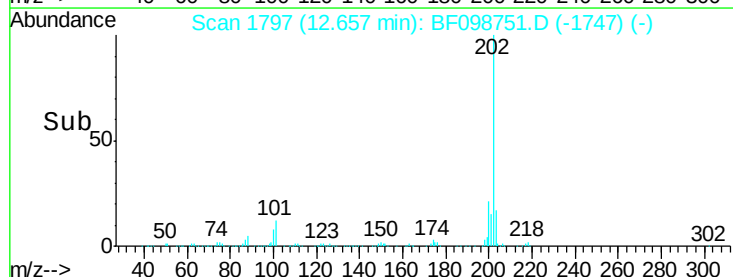
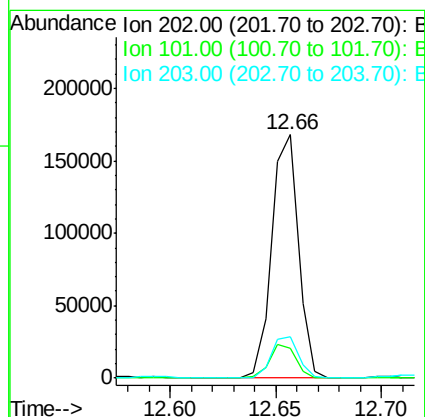
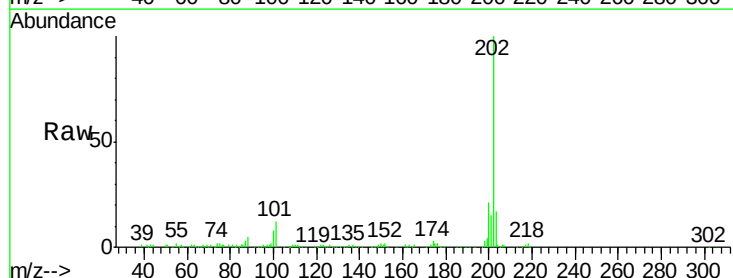
Instrument :
BNA_F
ClientSampleId :

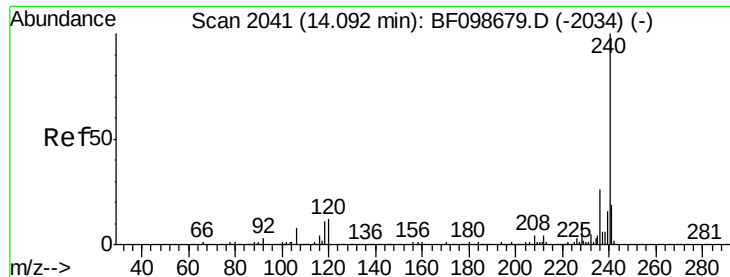
Tot Ion:149 Resp: 2209
Ion Ratio Lower Upper
149 100
150 0.0 7.8 11.6#
104 0.0 3.8 5.8#



#74
Fluoranthene
Concen: 6.98 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion:202 Resp: 148517
Ion Ratio Lower Upper
202 100
101 12.1 0.0 34.1
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampled :

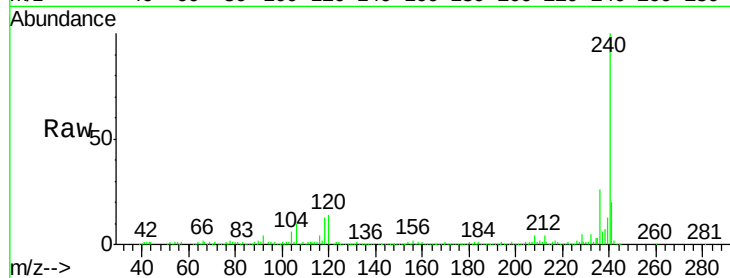
Tot Ion:240 Resp: 285551

Ion Ratio Lower Upper

240 100

120 14.2 9.5 14.3

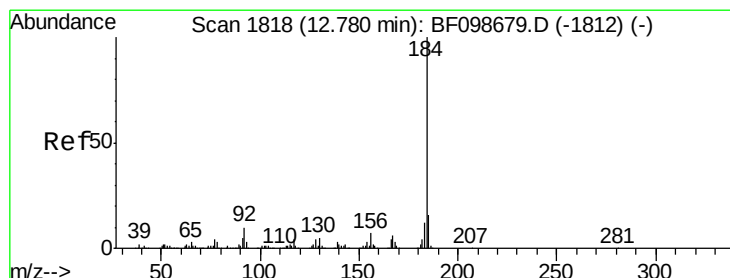
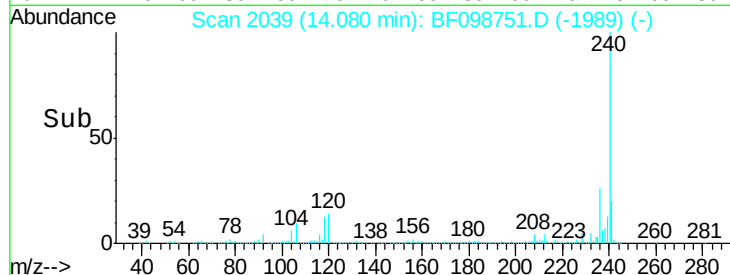
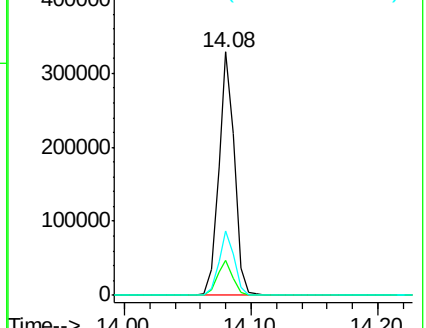
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.03 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

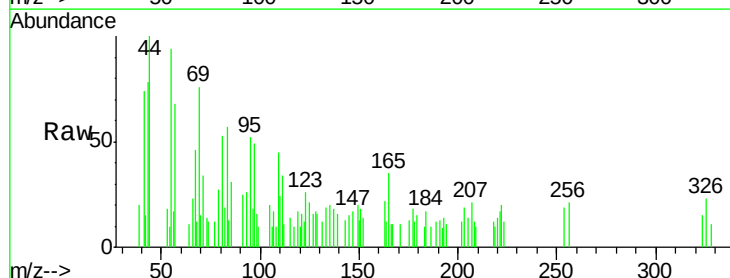
Tgt Ion:184 Resp: 317

Ion Ratio Lower Upper

184 100

185 0.0 12.6 18.8#

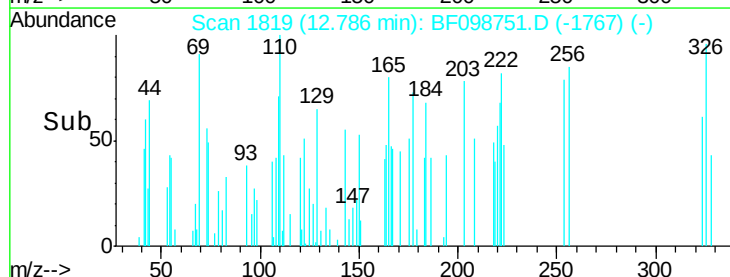
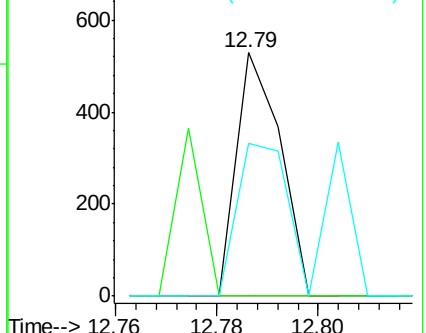
183 62.6 9.3 13.9#

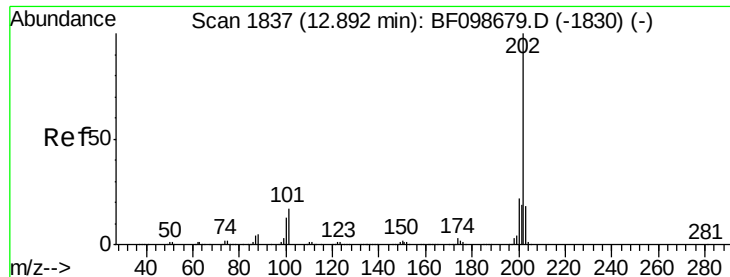


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.01 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

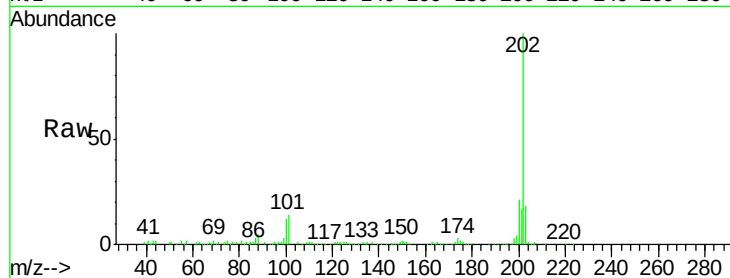
Tot Ion:202 Resp: 130929

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

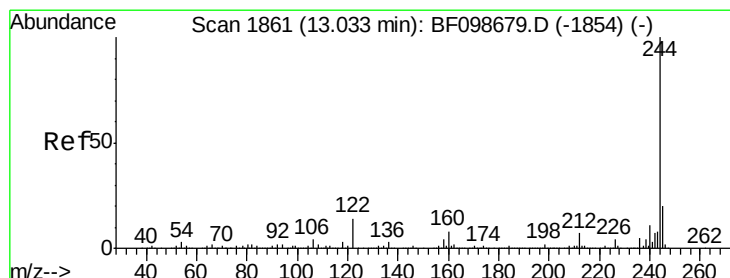
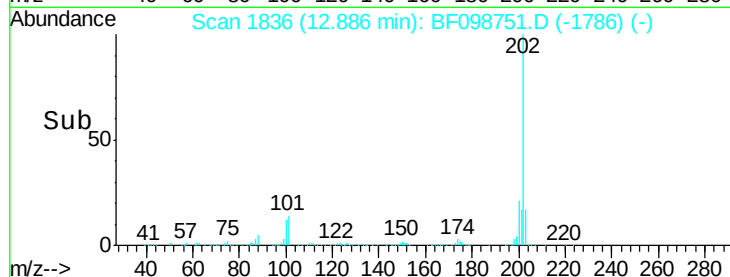
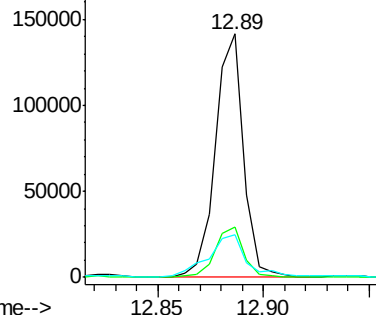
203 17.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 5.75 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

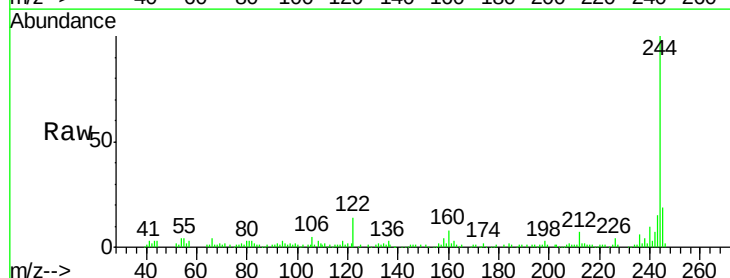
Tgt Ion:244 Resp: 72243

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

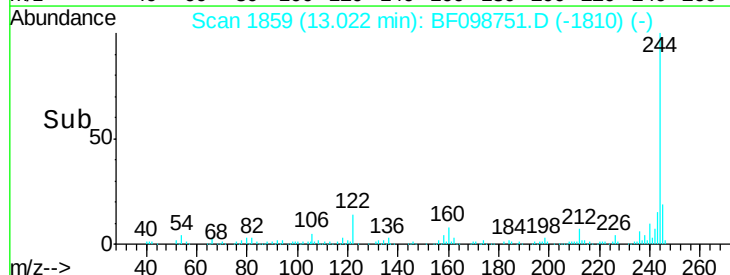
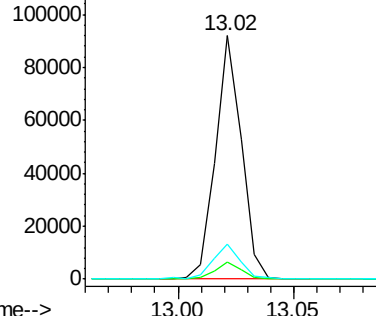
122 14.4 11.0 16.4

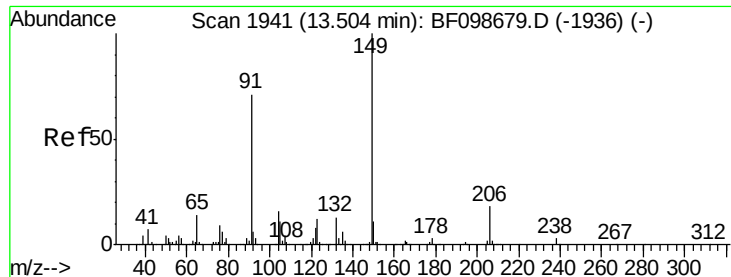


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.06 ng

RT: 13.49 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampled :

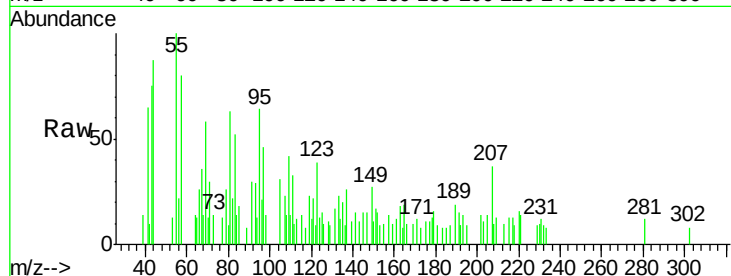
Tot Ion:149 Resp: 620

Ion Ratio Lower Upper

149 100

91 110.2 56.8 85.2#

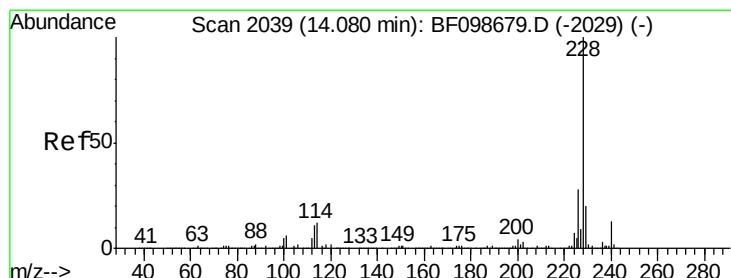
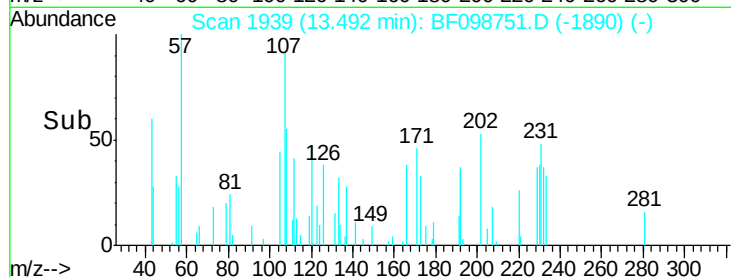
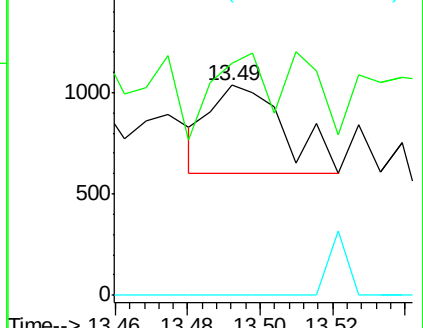
206 0.0 14.1 21.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 3.57 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

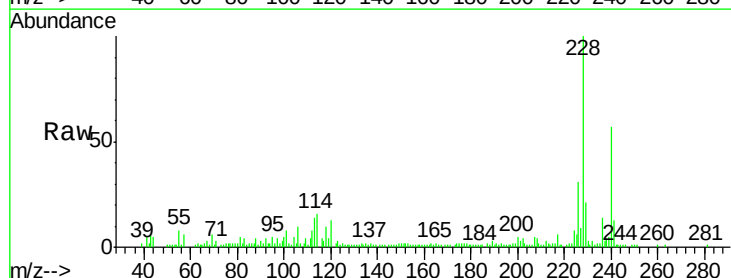
Tgt Ion:228 Resp: 61762

Ion Ratio Lower Upper

228 100

226 31.0 22.6 33.8

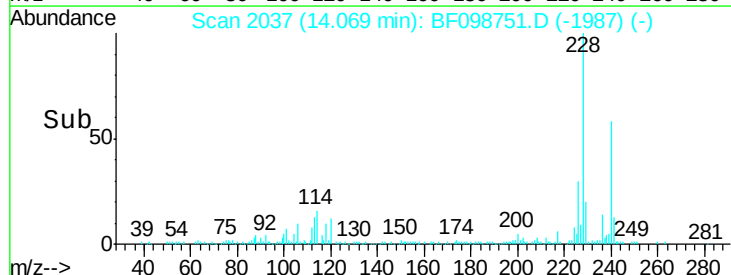
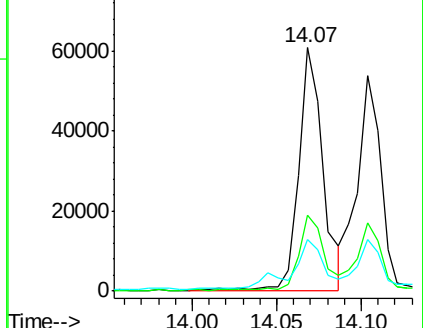
229 21.0 15.8 23.6

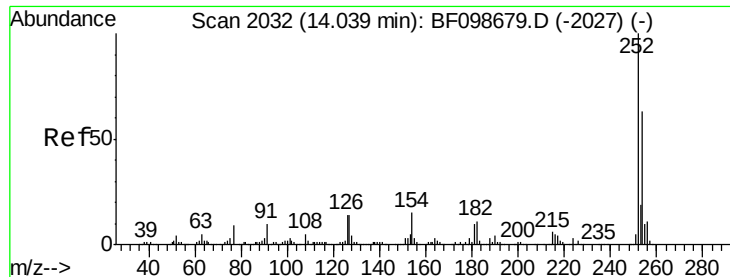


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

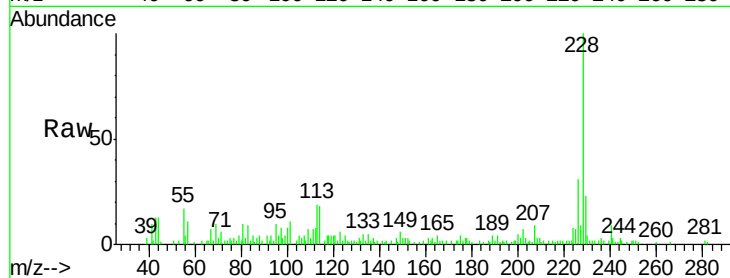




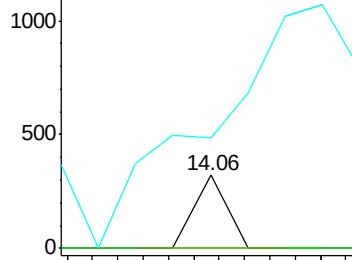
#81
 3,3'-Dichlorobenzidine
 Concen: 0.02 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.02 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :

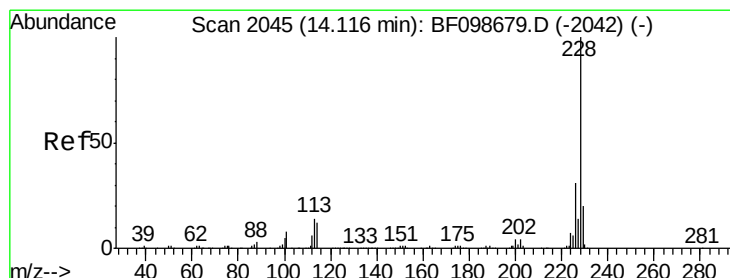
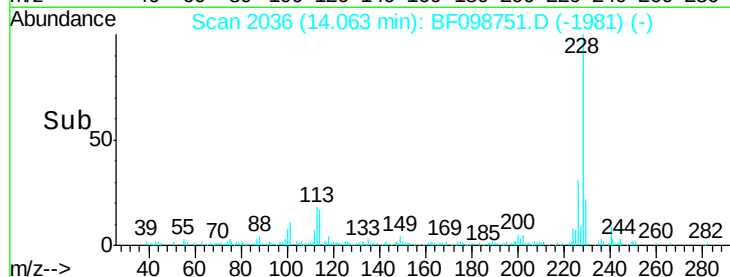
Tot Ion:252 Resp: 113
 Ion Ratio Lower Upper
 252 100
 254 0.0 50.4 75.6#
 126 152.0 11.3 16.9#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

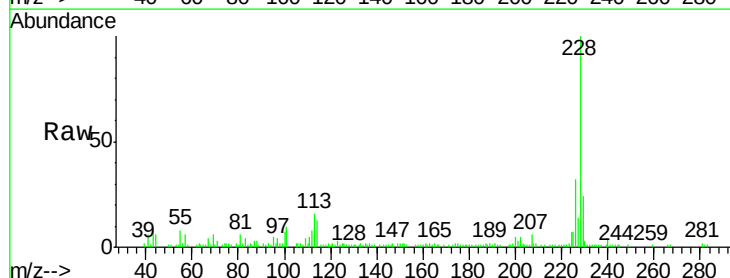


Time--> 14.04 14.06 14.08

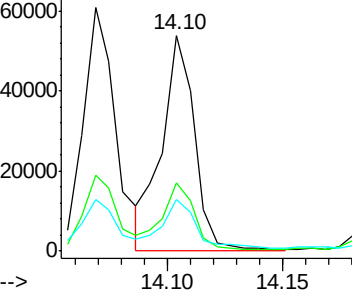


#82
 Chrysene
 Concen: 3.20 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

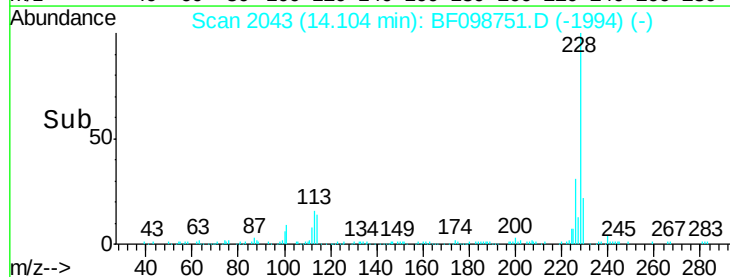
Tgt Ion:228 Resp: 52631
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.0 37.6
 229 23.9 16.2 24.4

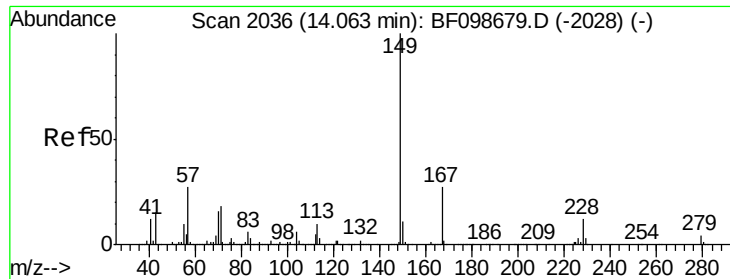


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time--> 14.10 14.15





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.28 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampleId :

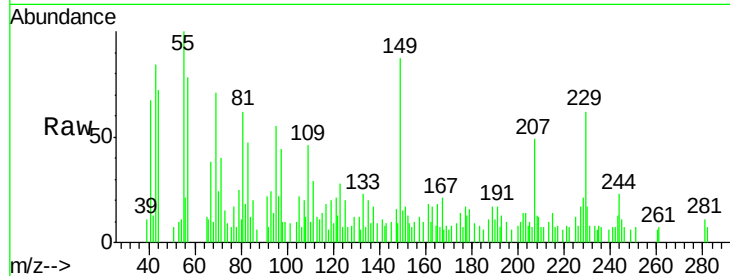
Tot Ion:149 Resp: 3881

Ion Ratio Lower Upper

149 100

167 23.8 21.3 31.9

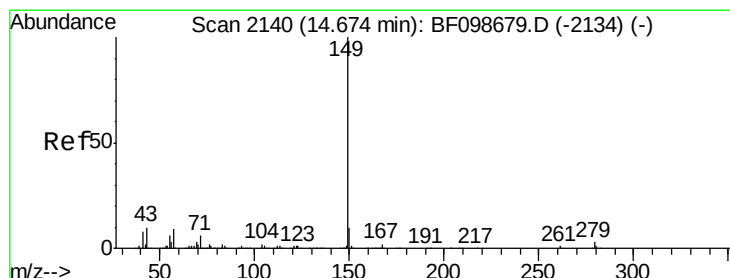
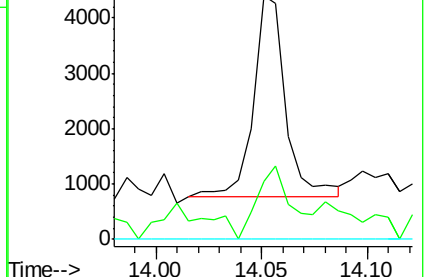
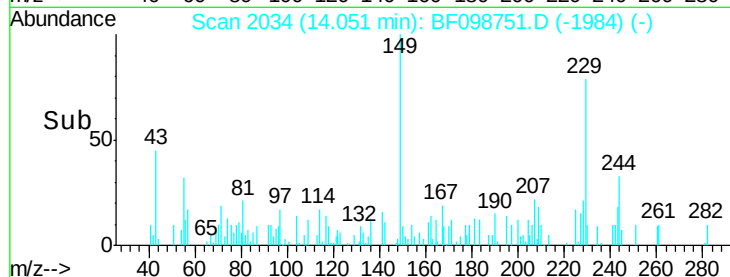
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.04 ng

RT: 14.67 min Scan# 2139

Delta R.T. 0.00 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

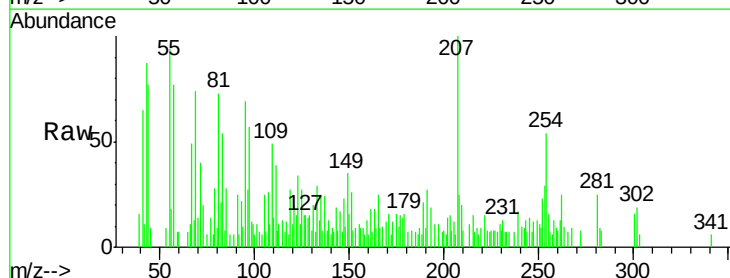
Tgt Ion:149 Resp: 1001

Ion Ratio Lower Upper

149 100

167 19.0 1.2 1.8#

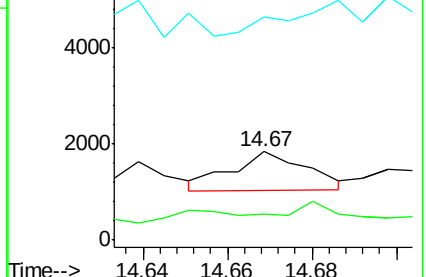
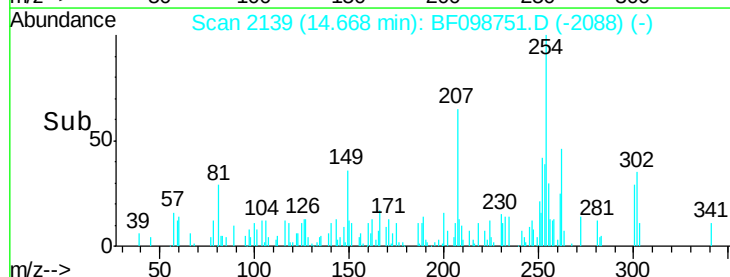
43 65.5 8.4 12.6#

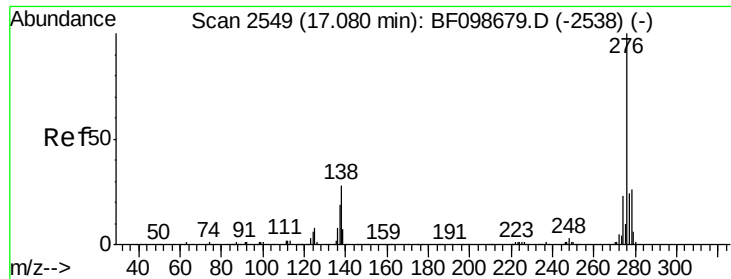


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

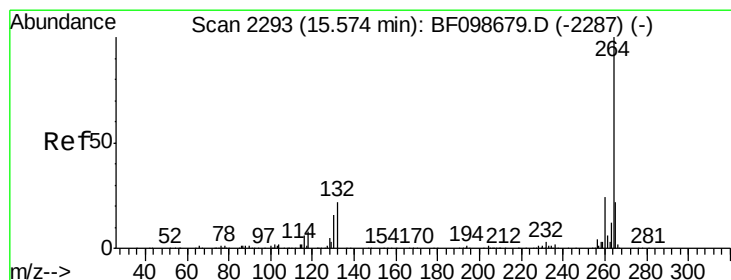
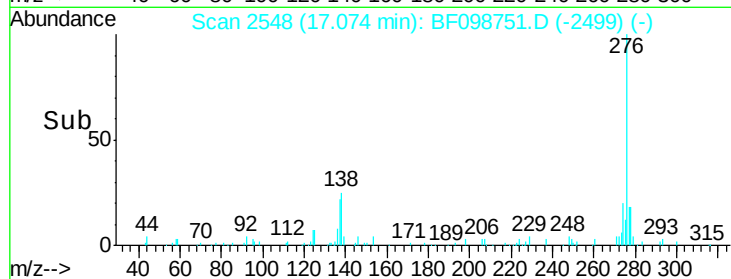
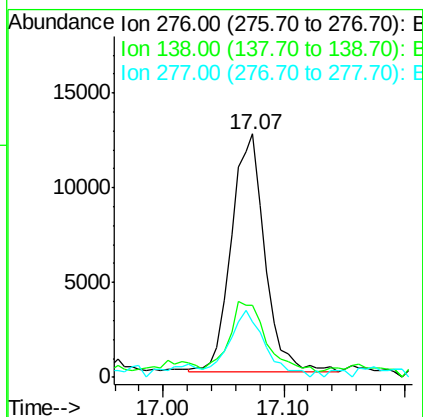
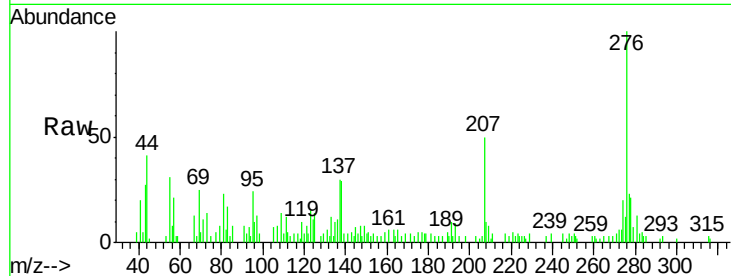




#85
Indeno(1,2,3-cd)pyrene
Concen: 1.83 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

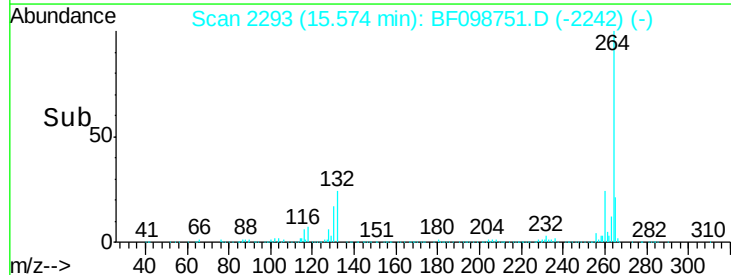
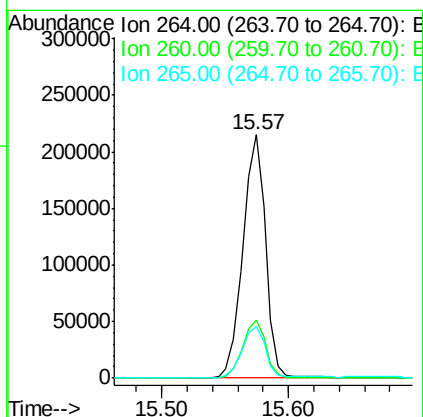
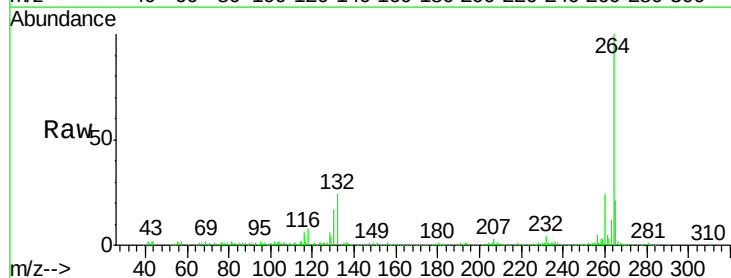
Instrument :
BNA_F
ClientSampleId :

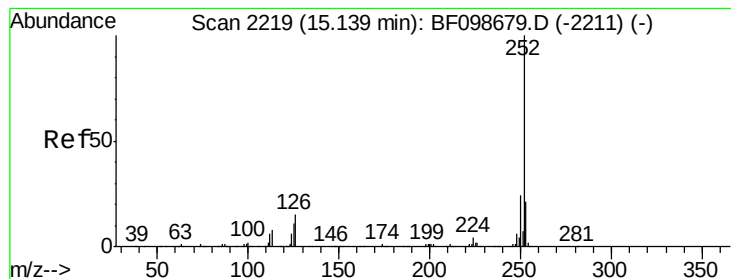
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.0	25.0	37.6
277	30.6	20.1	30.1#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.52 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

Instrument :

BNA_F

ClientSampled :

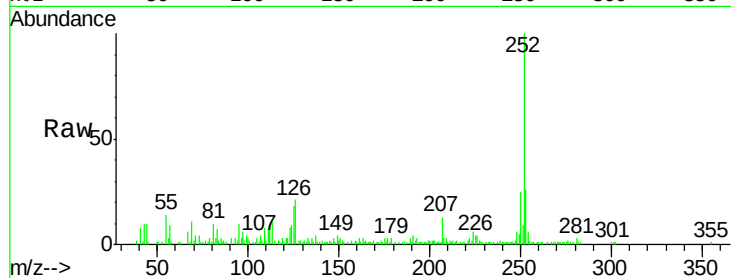
Tot Ion:252 Resp: 90707

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.6#

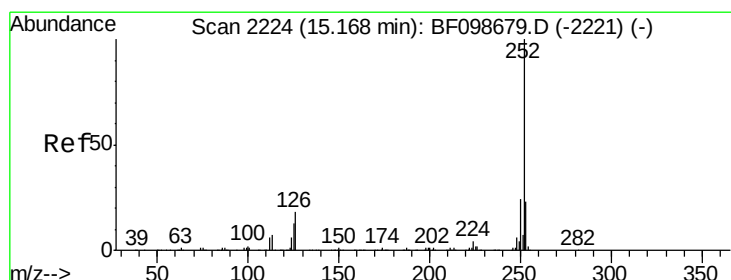
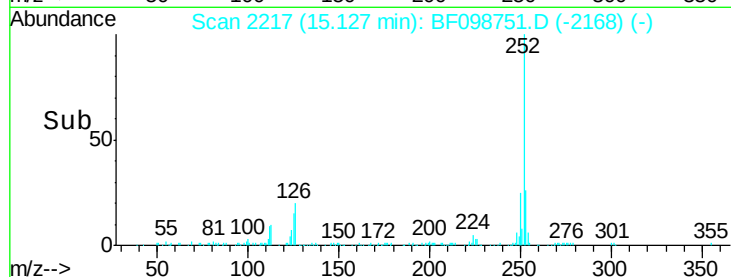
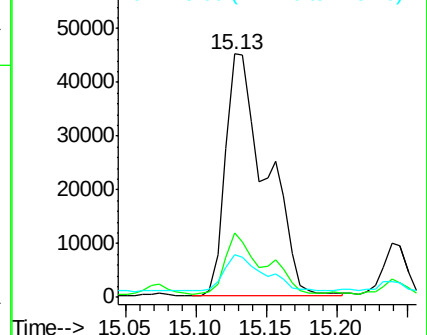
125 17.6 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.59 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.04 min

Lab File: BF098751.D

Acq: 23 Sep 2017 20:57

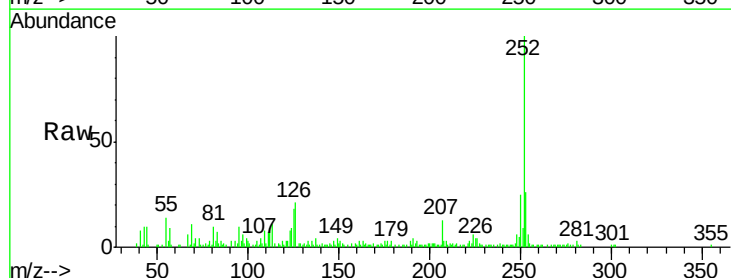
Tgt Ion:252 Resp: 90707

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

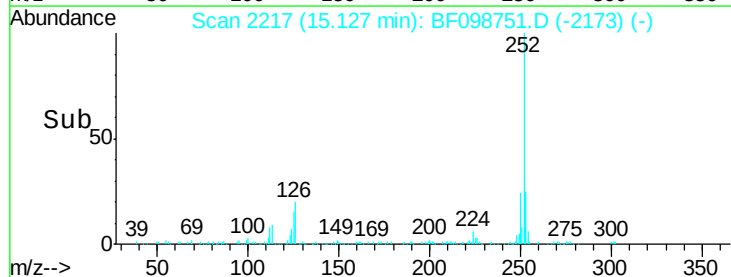
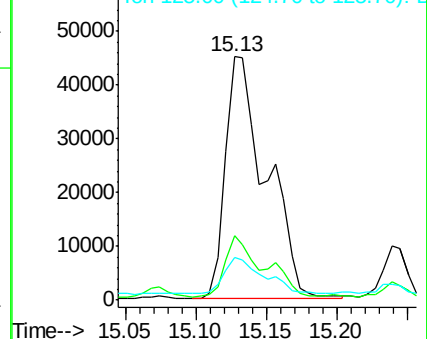
125 17.6 10.2 15.2#

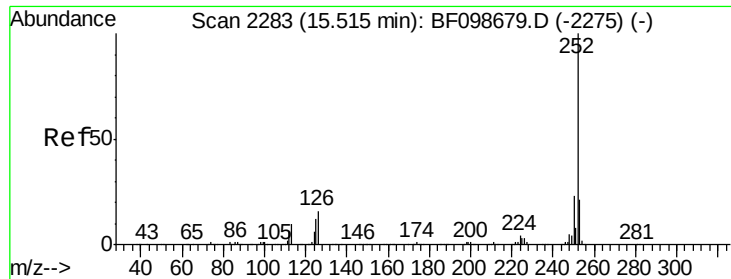


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

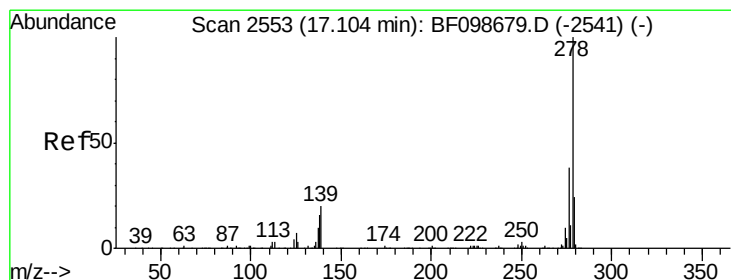
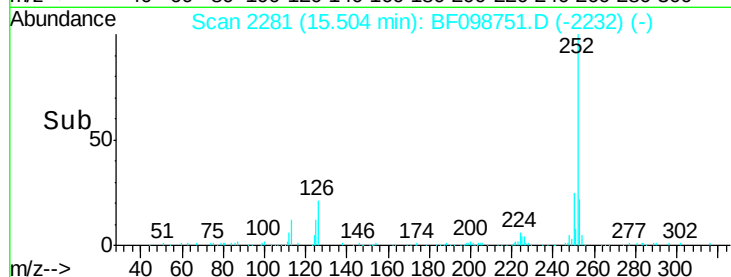
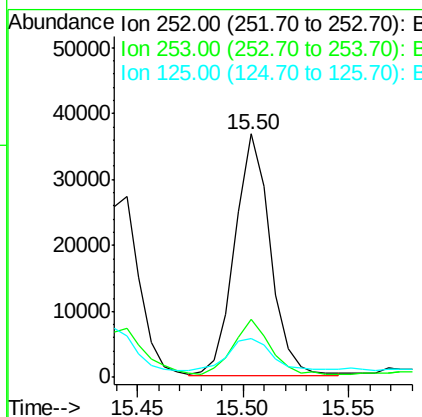
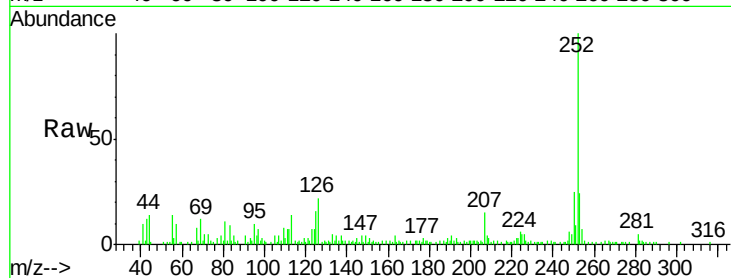




#89
Benzo(a)pyrene
Concen: 2.84 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

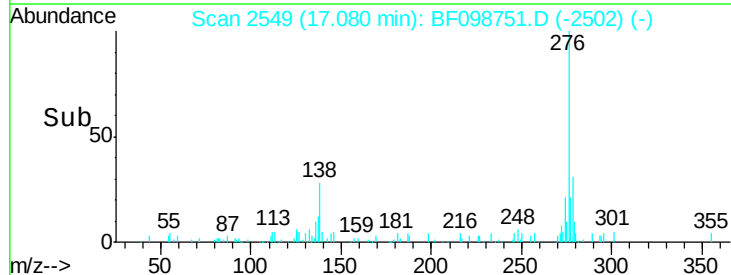
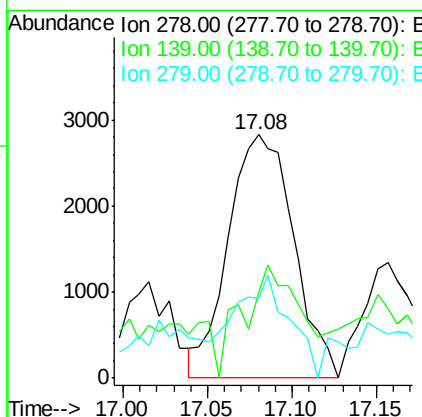
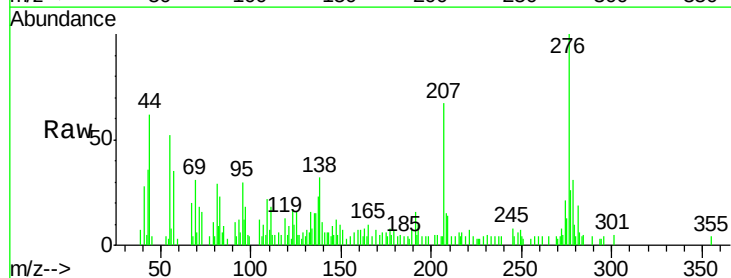
Instrument :
BNA_F
ClientSampled :

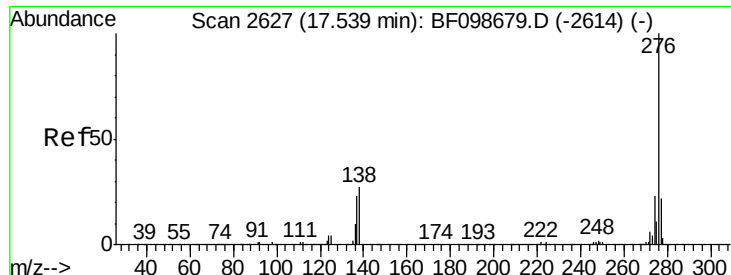
Tot Ion:252 Resp: 42830
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 15.9 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 0.63 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF098751.D
Acq: 23 Sep 2017 20:57

Tgt Ion:278 Resp: 7605
Ion Ratio Lower Upper
278 100
139 35.4 15.9 23.9#
279 32.8 19.0 28.4#

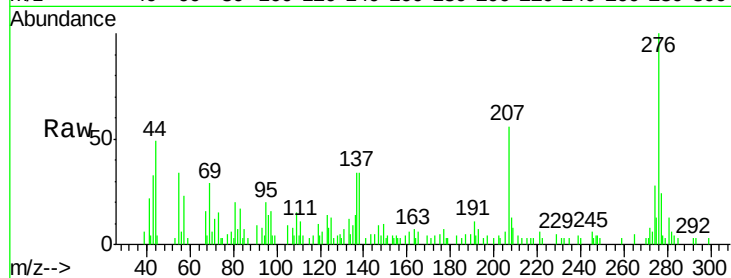




#91
 Benzo(a,h,i)perylene
 Concen: 2.05 ng
 RT: 17.53 min Scan# 2625
 Delta R.T. -0.02 min
 Lab File: BF098751.D
 Acq: 23 Sep 2017 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	34.0	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

