

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099122.D
 Acq On : 6 Oct 2017 00:02
 Operator : SJ/JU
 Sample : I5585-15 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 02:15:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	117833	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	491764	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	218061	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	368869	20.00	ng	0.00
75) Chrysene-d12	14.02	240	219639	20.00	ng	-0.01
86) Perylene-d12	15.50	264	227162	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	211265	28.54	ng	0.00
7) Phenol-d6	6.48	99	258094	28.26	ng	-0.02
23) Nitrobenzene-d5	7.42	82	148233	19.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	44083	24.71	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	289599	22.17	ng	-0.01
78) Terphenyl-d14	12.96	244	204376	21.16	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.67	88	110	0.03	ng	# 20
6) Aniline	6.63	93	378	0.03	ng	# 1
9) Benzaldehyde	6.63	77	4340	0.82	ng	94
10) Phenol	6.50	94	5128	0.50	ng	95
11) bis(2-Chloroethyl)ether	6.63	93	378	0.05	ng	# 1
15) Benzyl Alcohol	7.02	79	2420	0.36	ng	# 26
19) n-Nitroso-di-n-propylamine	7.42	70	19198	3.29	ng	# 76
22) Acetophenone	7.27	105	496	0.04	ng	# 54
24) Nitrobenzene	7.42	77	285	0.03	ng	# 38
25) Isophorone	7.42	82	148230	9.35	ng	# 64
31) Naphthalene	8.16	128	5748	0.25	ng	# 95
33) 4-Chloroaniline	8.16	127	756	0.08	ng	# 28
35) Caprolactam	8.56	113	326	0.15	ng	# 67
37) 2-Methylnaphthalene	8.86	142	4058	0.27	ng	87
45) 1,1'-Biphenyl	9.32	154	1401	0.07	ng	90
46) 2-Chloronaphthalene	9.61	162	131	0.01	ng	# 1
47) 2-Nitroaniline	9.61	65	148	0.03	ng	# 1
48) Acenaphthylene	9.76	152	10968	0.51	ng	98
49) Dimethylphthalate	9.61	163	29937	1.82	ng	# 99
50) 2,6-Dinitrotoluene	9.90	165	27753	7.75	ng	# 25
51) Acenaphthene	9.93	154	247	0.02	ng	# 71
54) Dibenzofuran	10.10	168	2801	0.15	ng	97
55) 4-Nitrophenol	10.10	139	1016	0.29	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	27753	5.97	ng	# 23
57) Fluorene	10.44	166	732	0.05	ng	# 83
62) Azobenzene	10.60	77	228	0.02	ng	# 1
65) n-Nitrosodiphenylamine	10.56	169	805	0.06	ng	# 24
66) 4-Bromophenyl-phenylether	10.69	248	3073	0.85	ng	# 1
70) Phenanthrene	11.41	178	12879	0.65	ng	96
71) Anthracene	11.46	178	10987	0.54	ng	97
72) Carbazole	11.62	167	2855	0.14	ng	95
73) Di-n-butylphthalate	11.94	149	2976	0.12	ng	# 84
74) Fluoranthene	12.60	202	40039	2.00	ng	98
76) Benzdine	12.96	184	2983	0.37	ng	# 86

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

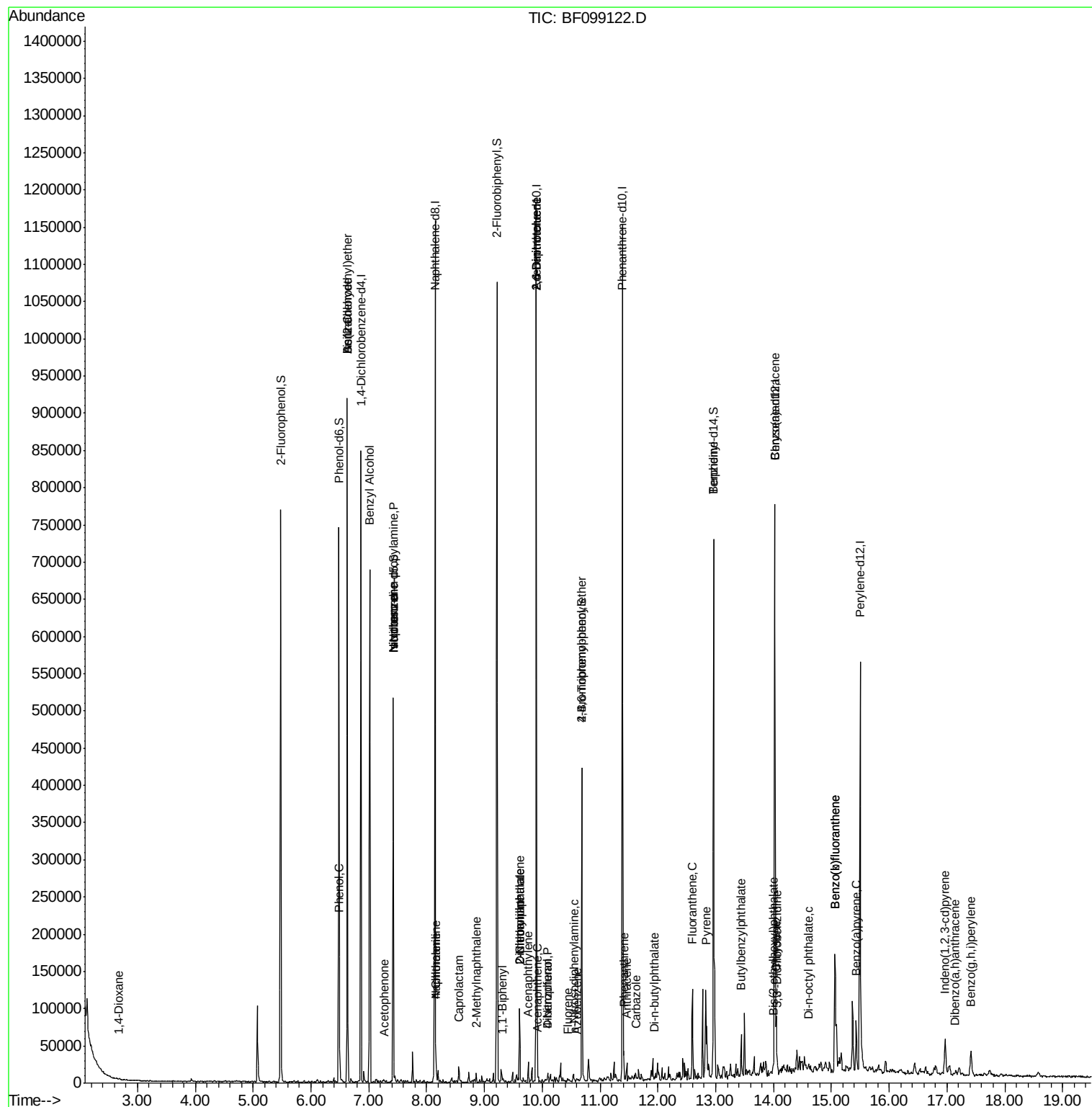
77) Pyrene	12.83	202	43599	2.60	nq	98
79) Butylbenzylphthalate	13.44	149	968	0.12	nq	# 82
80) Benzo(a)anthracene	14.02	228	29810	2.24	nq	93
81) 3,3'-Dichlorobenzidine	14.06	252	353	0.07	nq	# 24
82) Chrysene	14.05	228	33566	2.65	nq	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	4061	0.37	nq	# 91
84) Di-n-octyl phthalate	14.60	149	982	0.06	nq	# 46
85) Indeno(1,2,3-cd)pyrene	16.97	276	29592	2.92	nq	98
87) Benzo(b)fluoranthene	15.06	252	99657	7.14	nq	98
88) Benzo(k)fluoranthene	15.06	252	99657	7.22	nq	99
89) Benzo(a)pyrene	15.43	252	31667	2.47	nq	100
90) Dibenzo(a,h)anthracene	17.14	278	4486	0.44	nq	97
91) Benzo(a,h,i)perylene	17.42	276	25137	2.48	nq	# 91

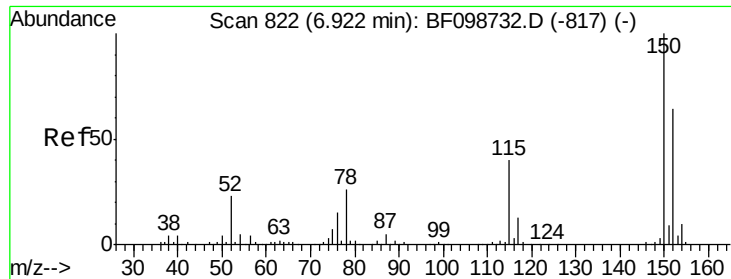
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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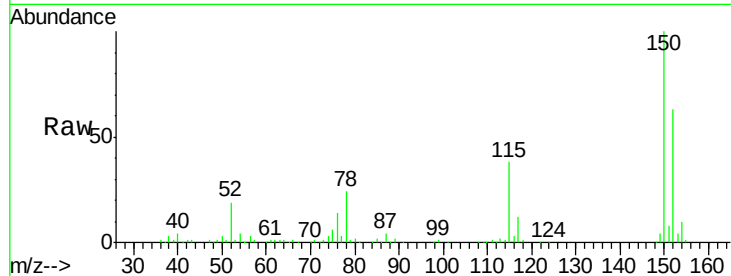




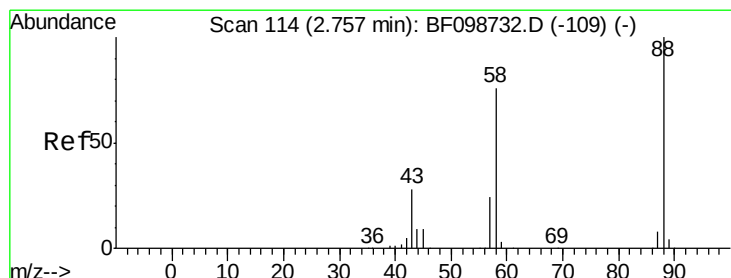
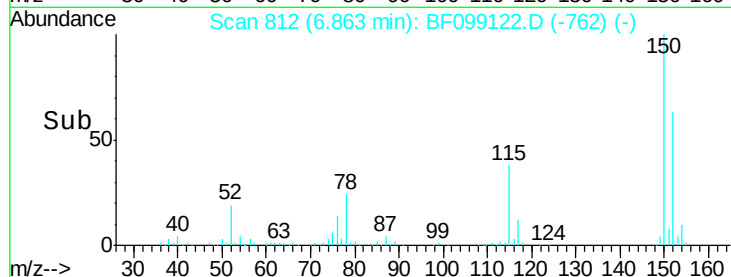
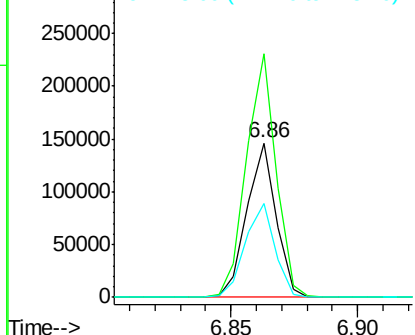
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 117833
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.6 186.8
 115 60.5 50.1 75.1

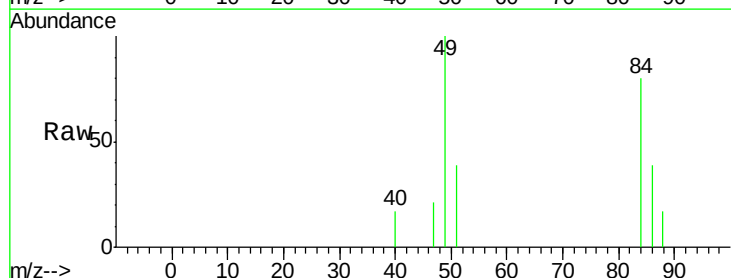


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

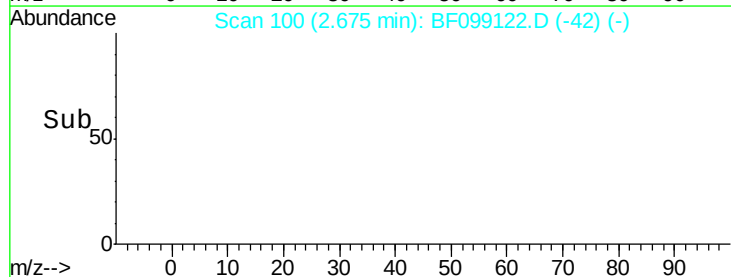
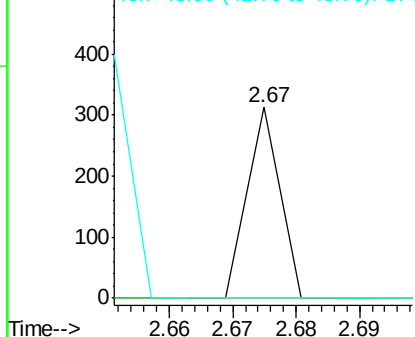


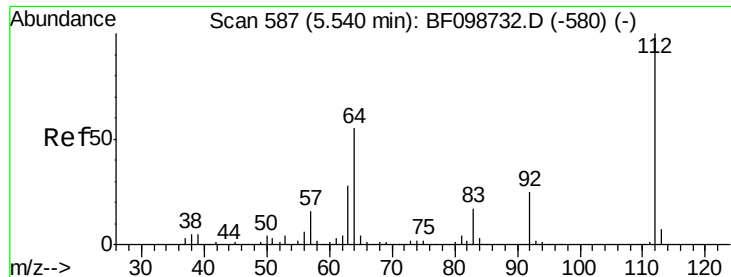
#2
 1,4-Dioxane
 Concen: 0.03 ng
 RT: 2.67 min Scan# 100
 Delta R.T. 0.04 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion: 88 Resp: 110
 Ion Ratio Lower Upper
 88 100
 58 0.0 62.6 93.8#
 43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 28.54 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

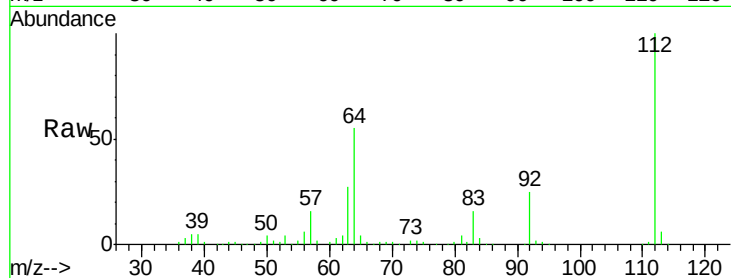
Tot Ion:112 Resp: 211265

Ion Ratio Lower Upper

112 100

64 55.3 47.9 71.9

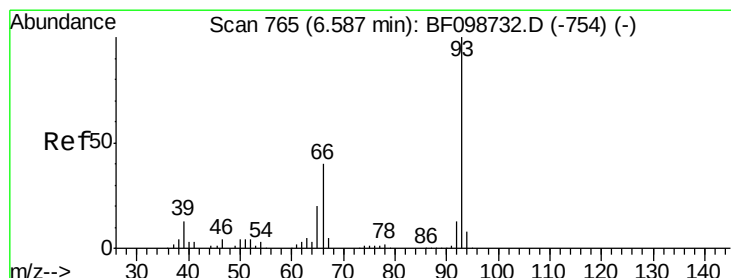
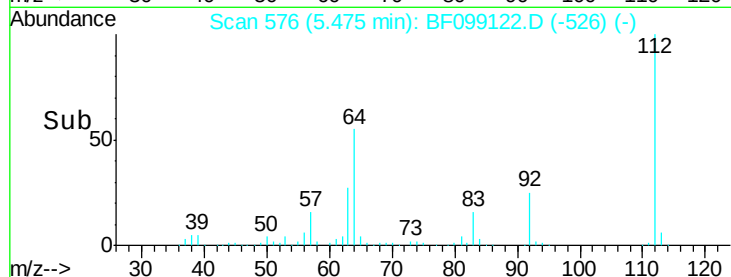
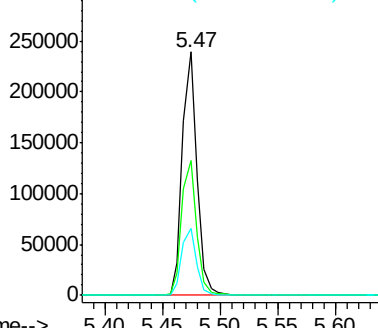
63 27.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.03 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.09 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

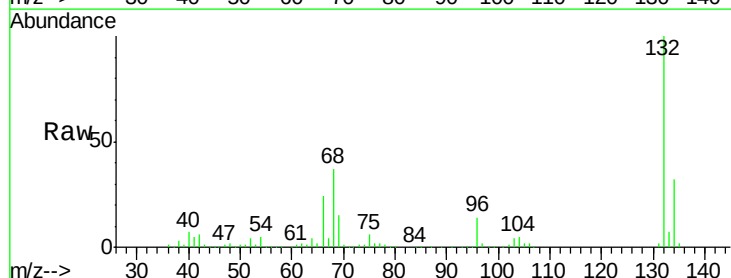
Tgt Ion: 93 Resp: 378

Ion Ratio Lower Upper

93 100

66 15318.8 32.2 48.2#

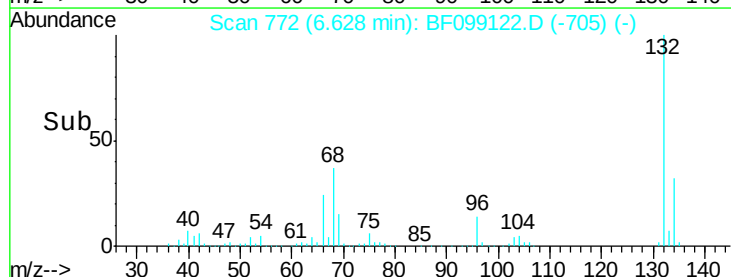
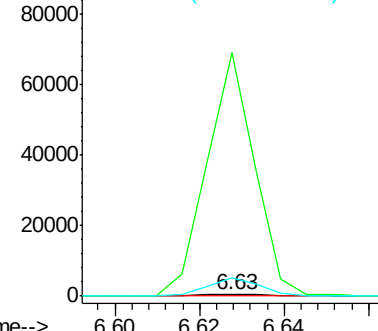
65 1155.2 16.4 24.6#

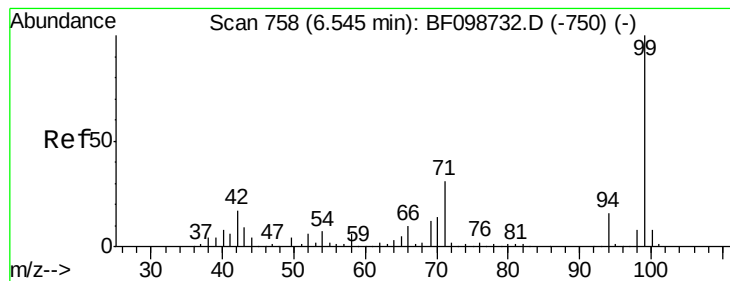


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 28.26 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

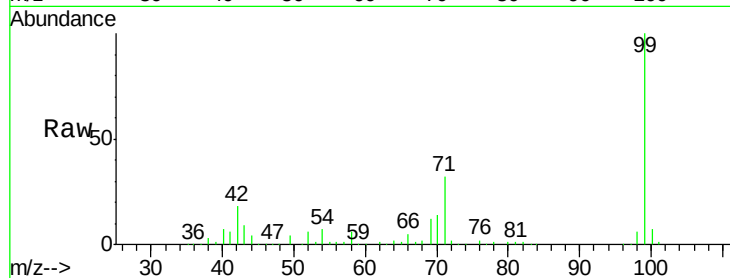
Tot Ion: 99 Resp: 258094

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

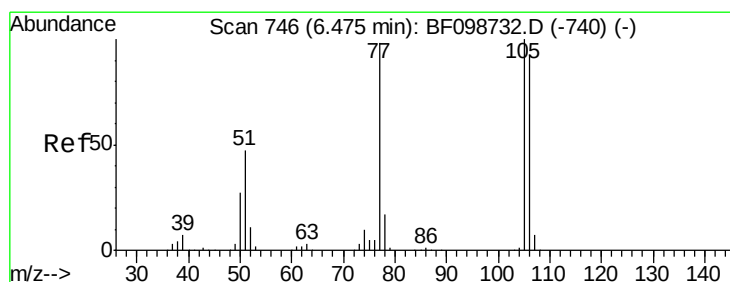
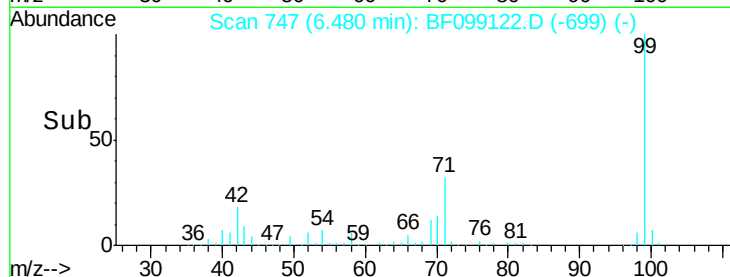
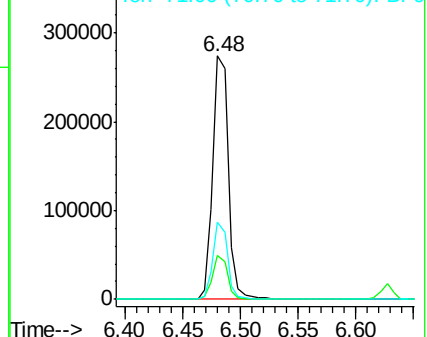
71 31.9 25.4 38.0



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: 0.82 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.21 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

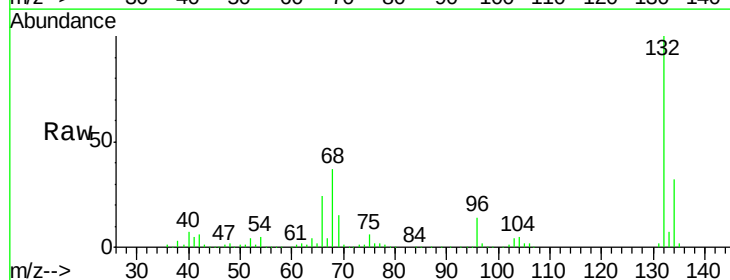
Tgt Ion: 77 Resp: 4340

Ion Ratio Lower Upper

77 100

105 97.8 81.1 121.1

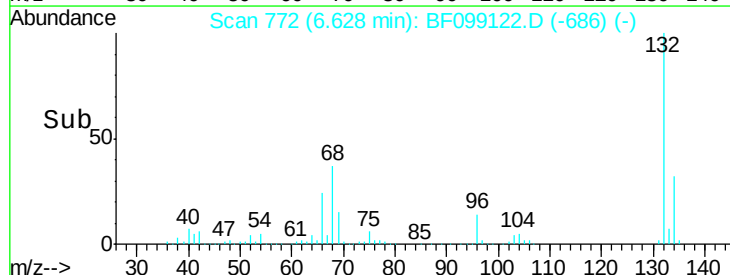
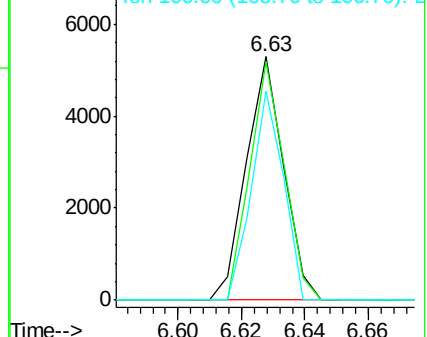
106 85.7 74.5 114.5

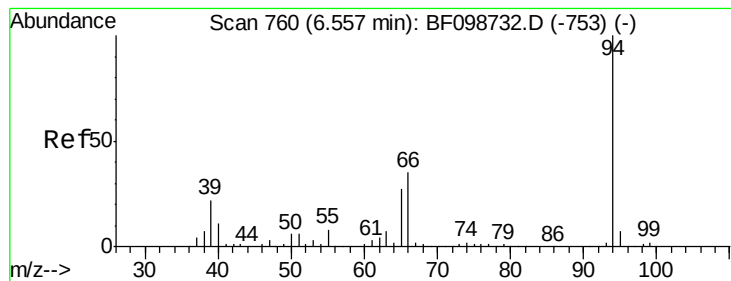


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.50 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

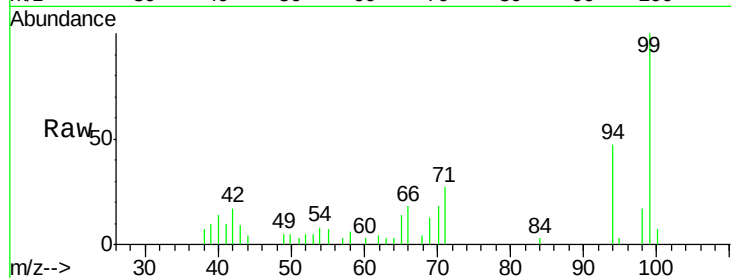
Tot Ion: 94 Resp: 5128

Ion Ratio Lower Upper

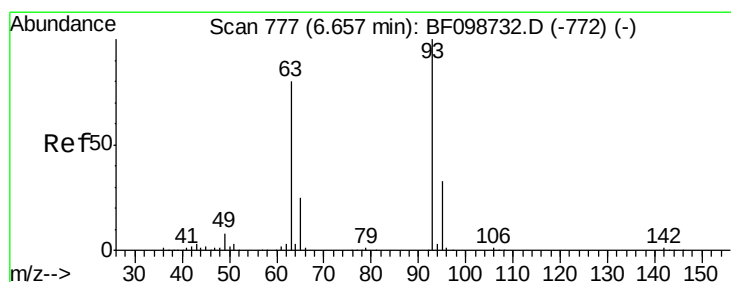
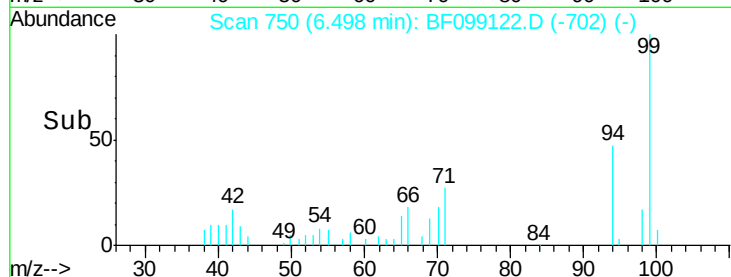
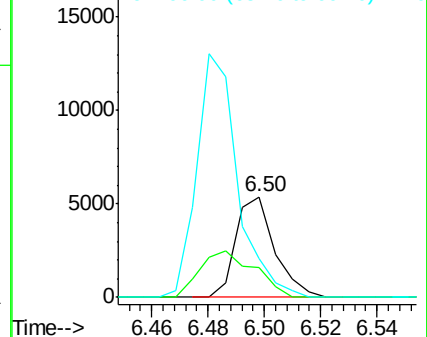
94 100

65 29.9 7.9 47.9

66 39.2 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



#11

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.02 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

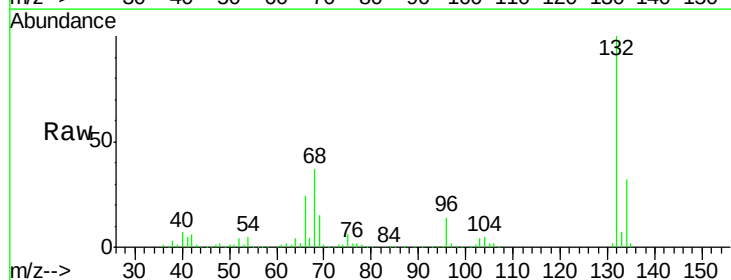
Tgt Ion: 93 Resp: 378

Ion Ratio Lower Upper

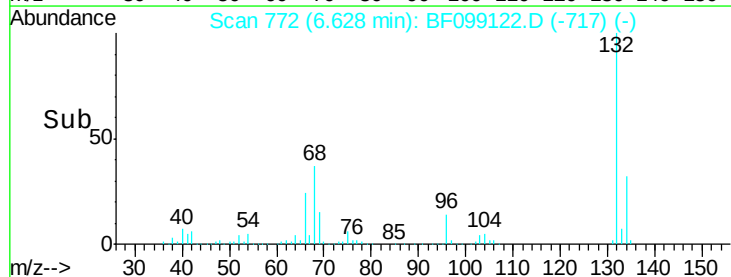
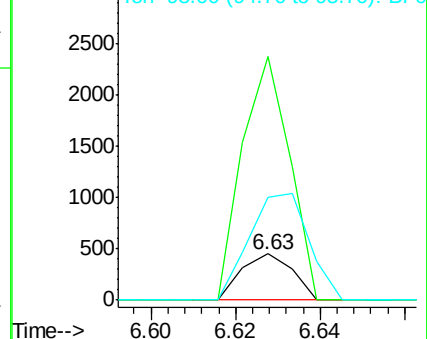
93 100

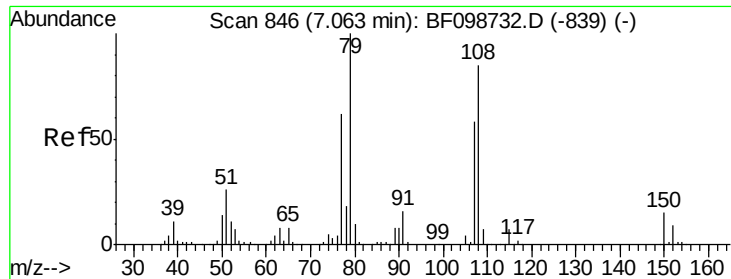
63 527.1 58.6 98.6#

95 223.7 11.8 51.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

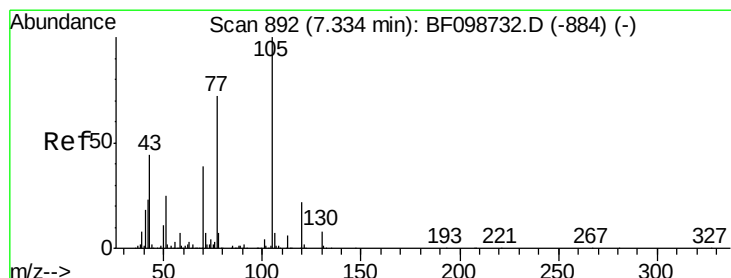
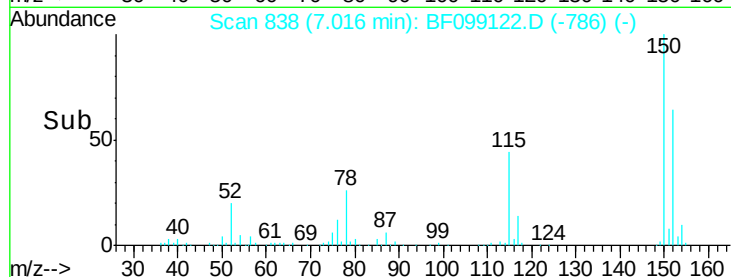
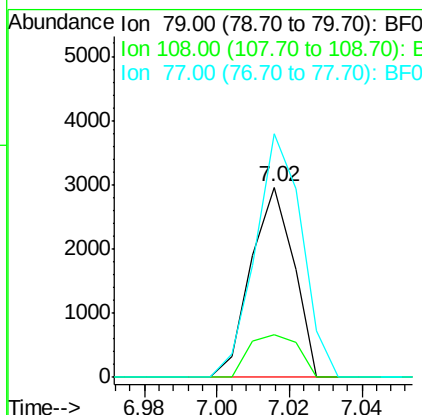
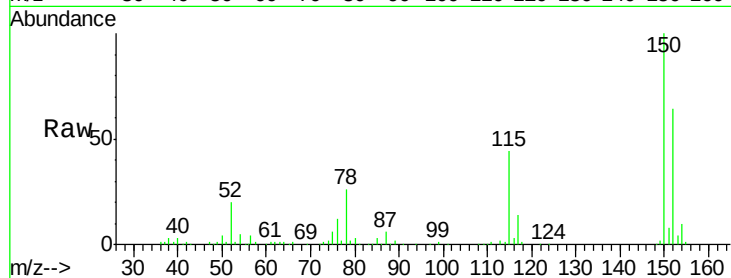




#15
Benzyl Alcohol
Concen: 0.36 ng
RT: 7.02 min Scan# 838
Delta R.T. 0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

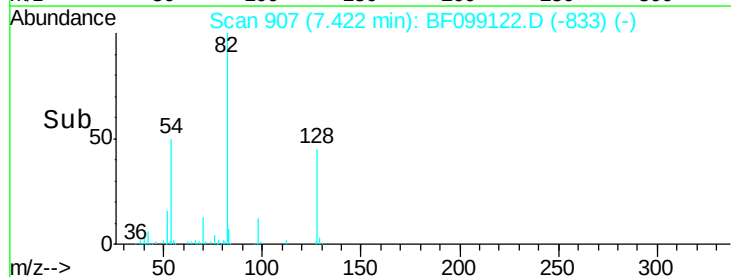
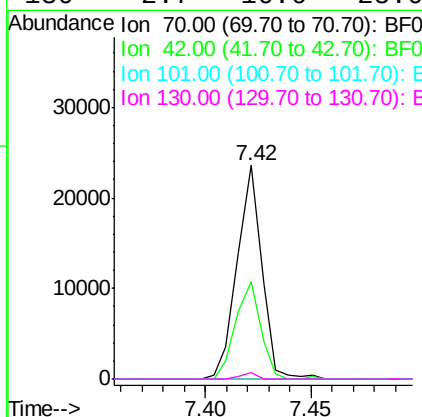
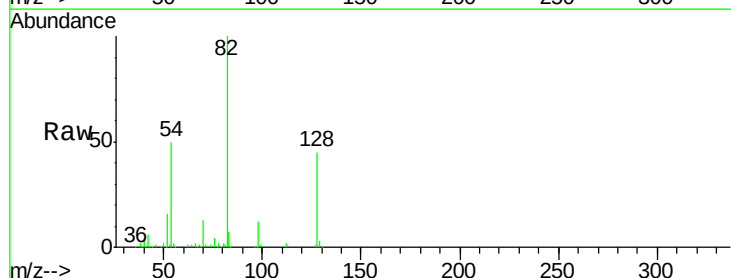
Instrument :
BNA_F
ClientSampled :

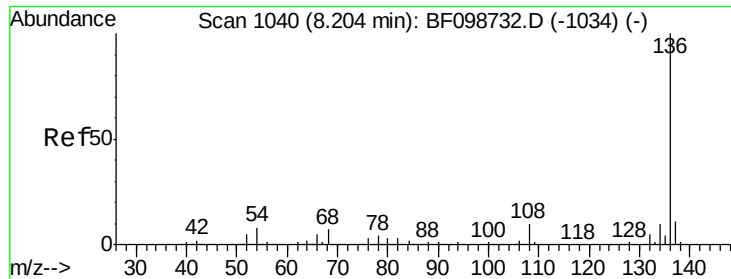
Tot Ion: 79 Resp: 2420
Ion Ratio Lower Upper
79 100
108 22.4 65.1 97.7#
77 128.2 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 3.29 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion: 70 Resp: 19198
Ion Ratio Lower Upper
70 100
42 45.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#

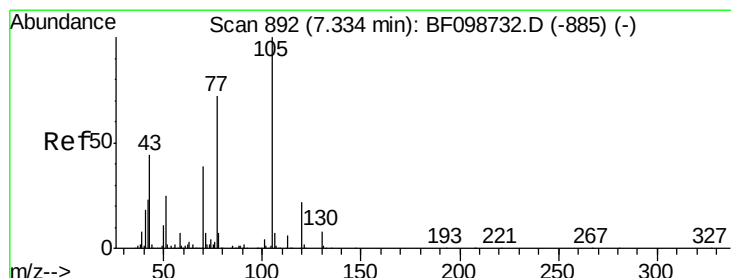
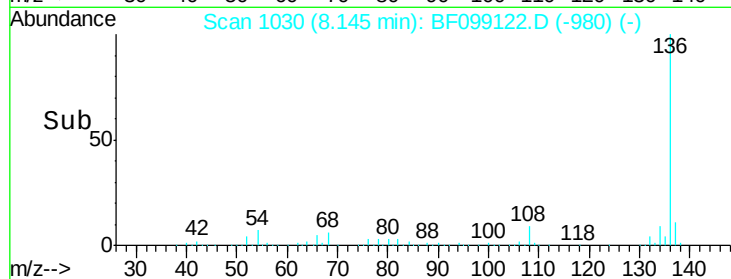
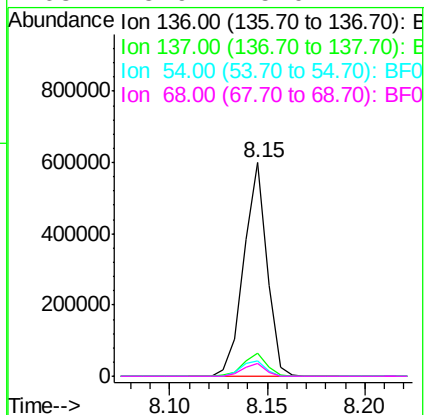
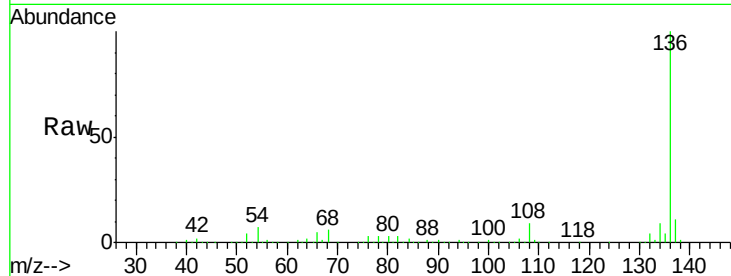




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

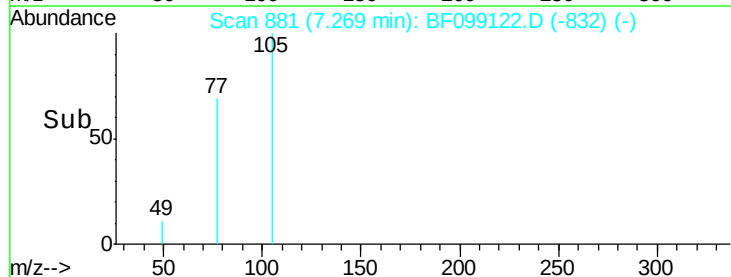
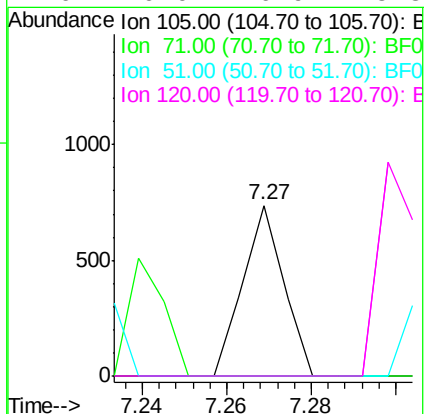
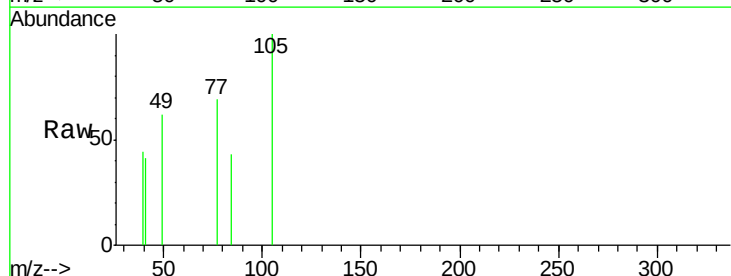
Instrument :
BNA_F
ClientSampleId :

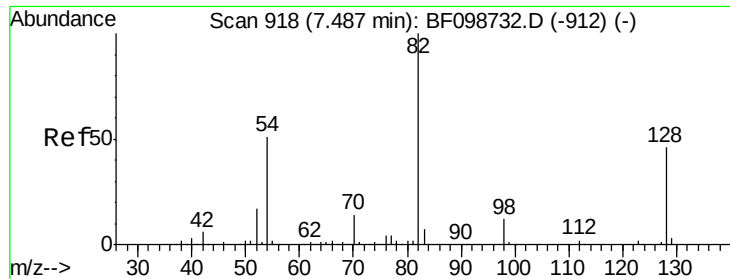
Tot Ion:136	Resp:	491764
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	7.1	6.6 9.8
68	5.9	5.0 7.4



#22
Acetophenone
Concen: 0.04 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:105	Resp:	496
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	0.0	22.3 33.5#
120	0.0	16.9 25.3#

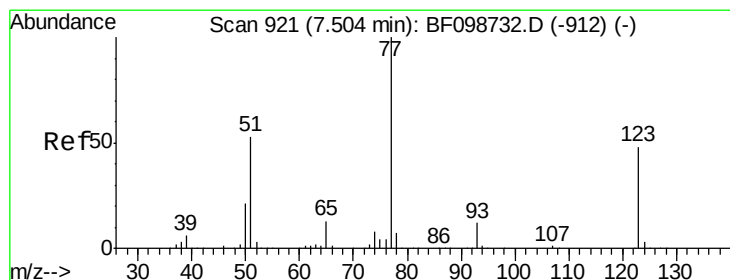
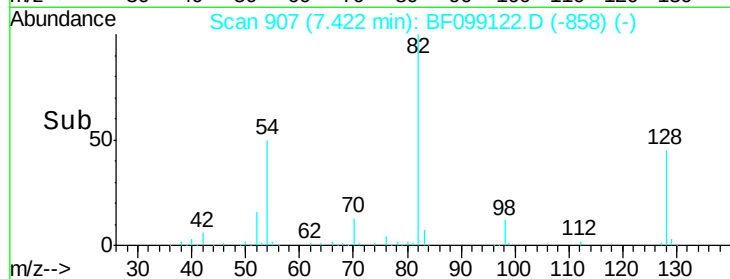
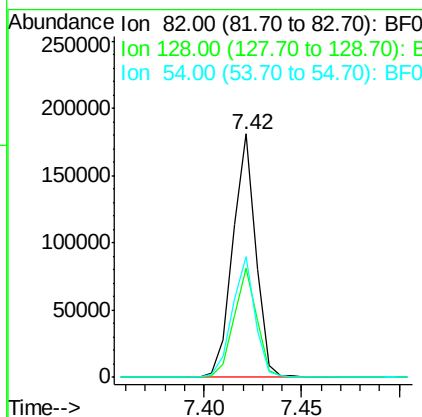
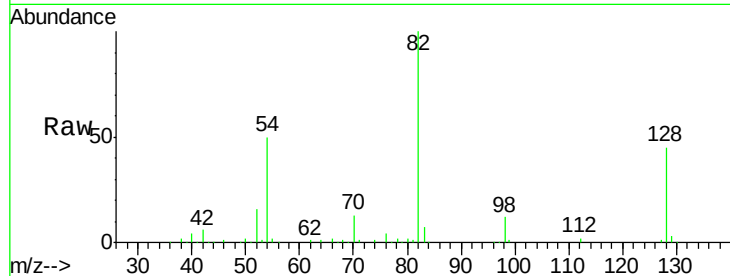




#23
 Nitrobenzene-d5
 Concen: 19.33 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

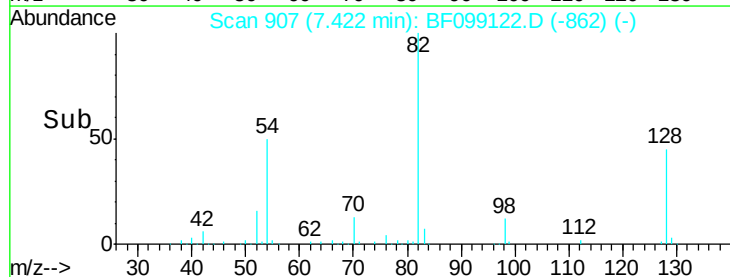
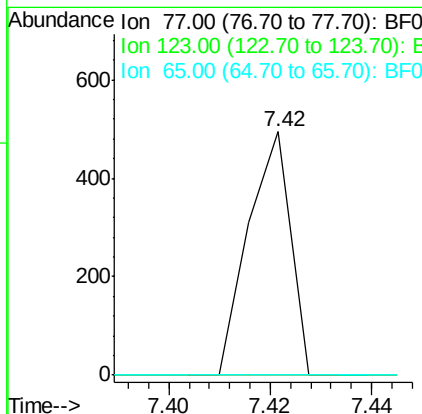
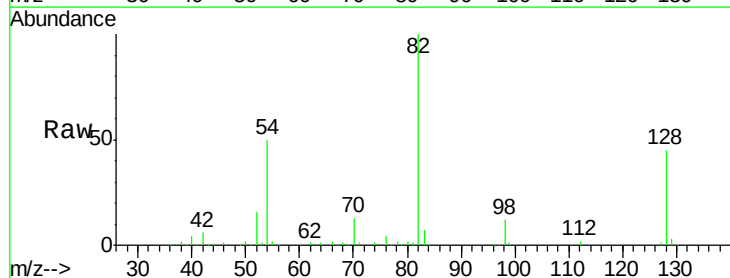
Instrument :
 BNA_F
 ClientSampled :

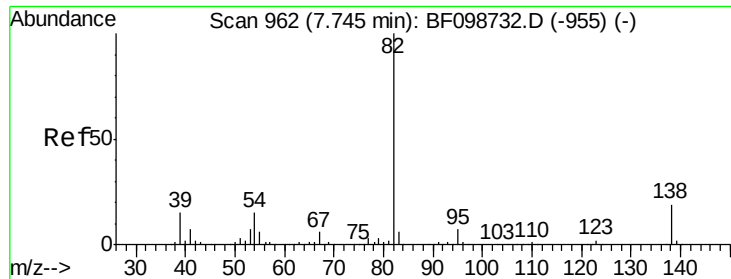
Tot Ion	82	Resp	148233
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	49.6	41.4	62.2



#24
 Nitrobenzene
 Concen: 0.03 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.04 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion	77	Resp	285
Ion Ratio	Lower	Upper	
77	100		
123	0.0	37.9	56.9#
65	0.0	11.0	16.4#





#25

Isophorone

Concen: 9.35 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampled :

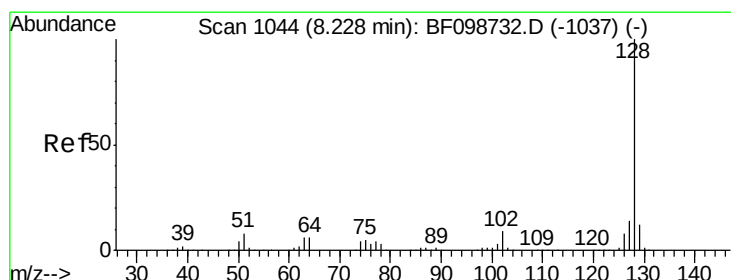
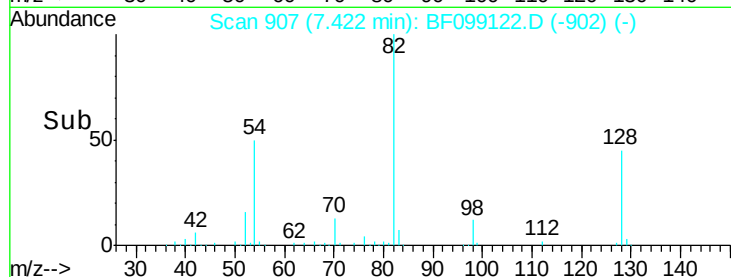
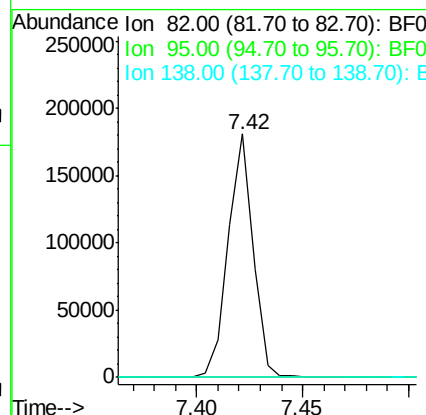
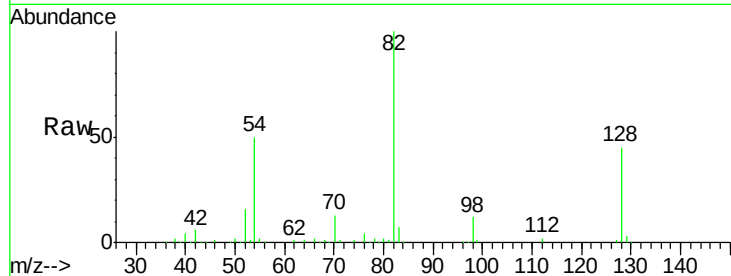
Tot Ion: 82 Resp: 148230

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 0.25 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

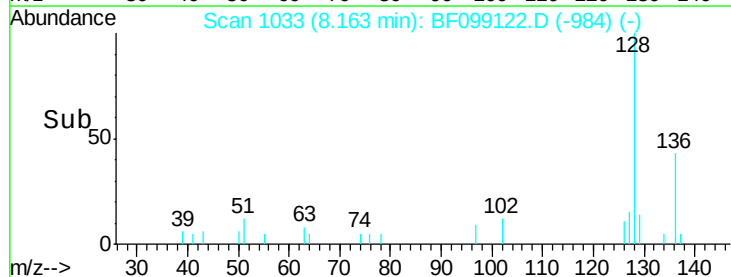
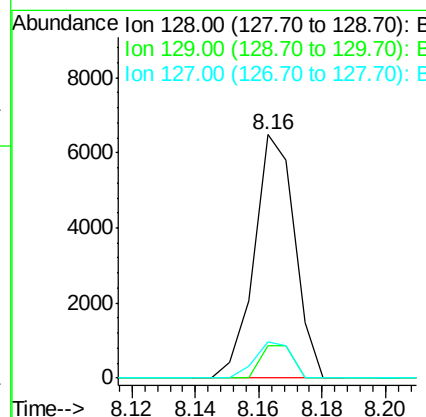
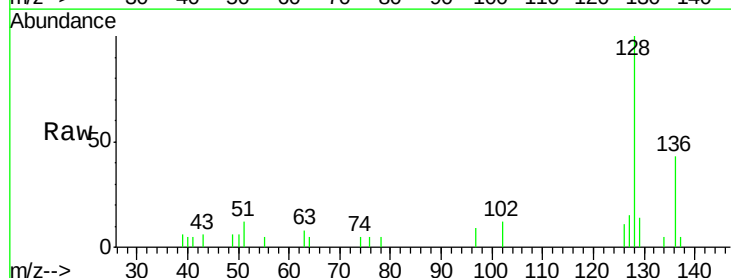
Tgt Ion: 128 Resp: 5748

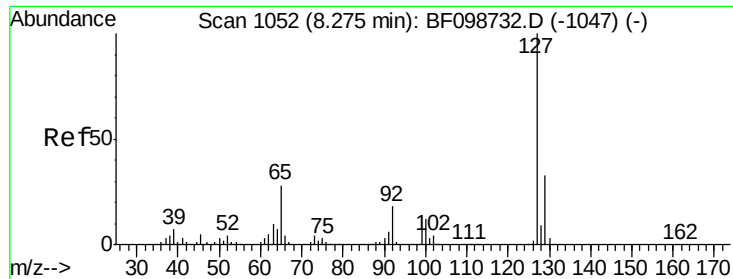
Ion Ratio Lower Upper

128 100

129 13.6 8.8 13.2#

127 14.9 10.9 16.3

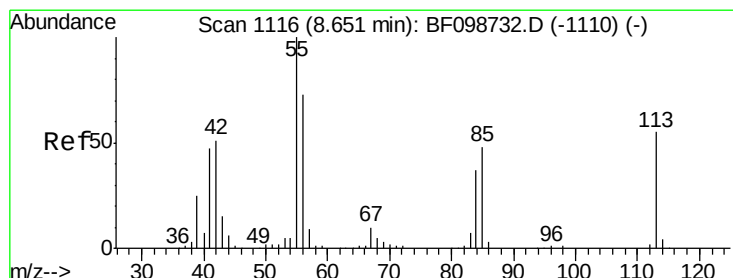
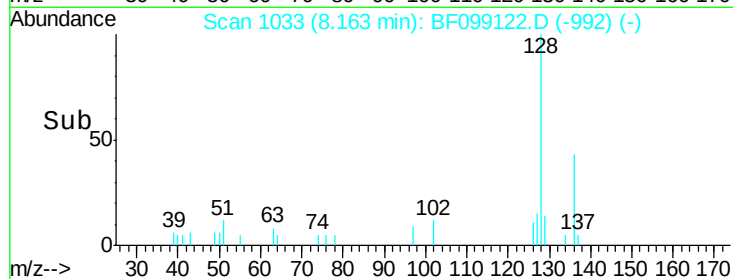
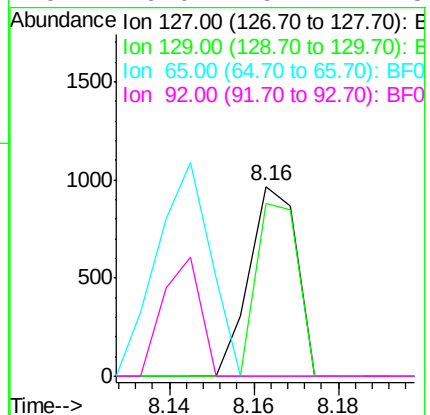
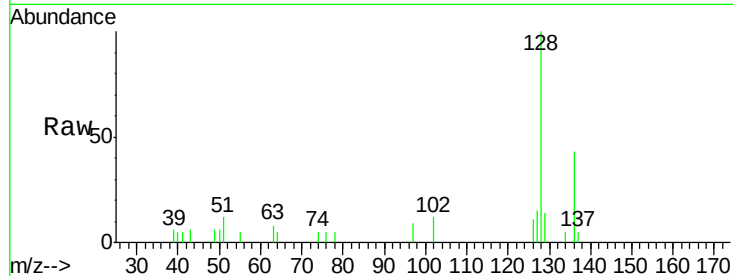




#33
4-Chloroaniline
Concen: 0.08 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

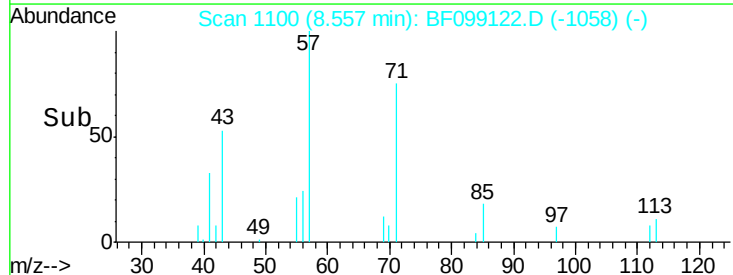
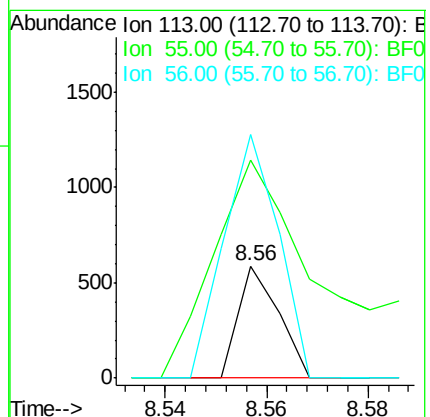
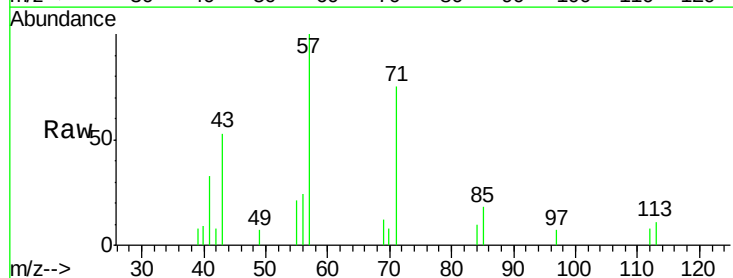
Instrument :
BNA_F
ClientSampleId :

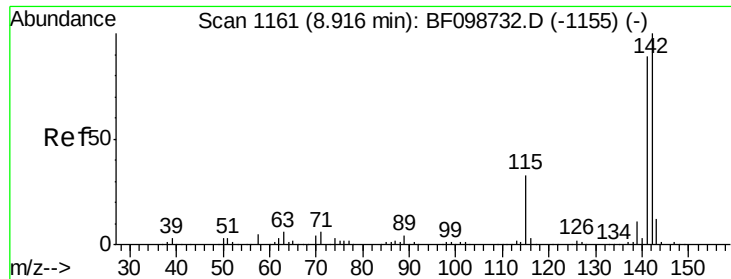
Tot Ion:127 Resp: 756
Ion Ratio Lower Upper
127 100
129 91.1 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#35
Caprolactam
Concen: 0.15 ng
RT: 8.56 min Scan# 1100
Delta R.T. -0.05 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:113 Resp: 326
Ion Ratio Lower Upper
113 100
55 193.9 163.3 203.3
56 216.8 115.7 155.7#

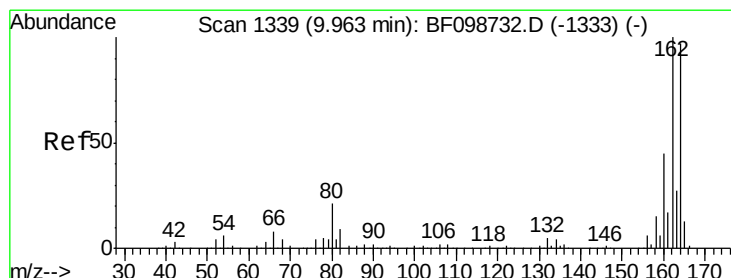
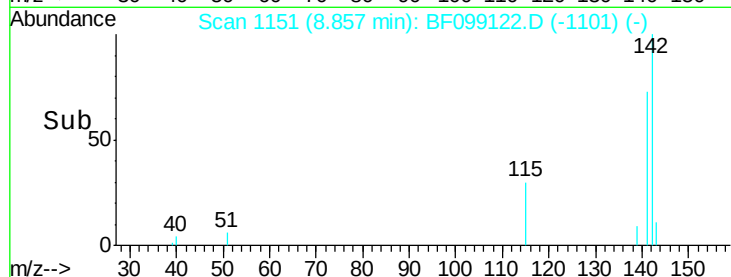
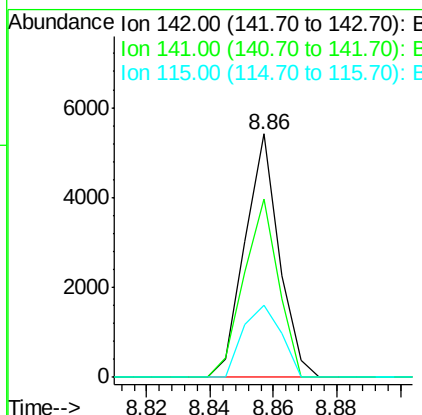
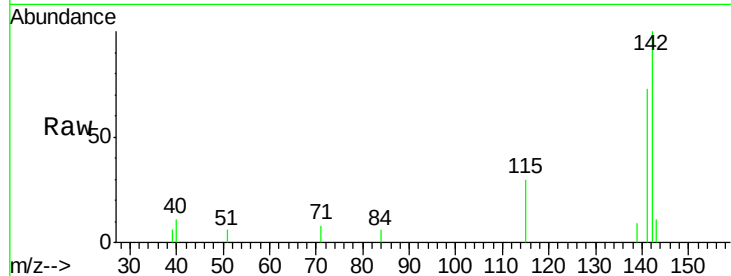




#37
2-Methylnaphthalene
Concen: 0.27 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

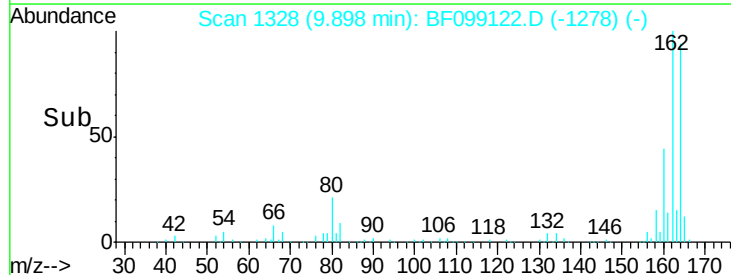
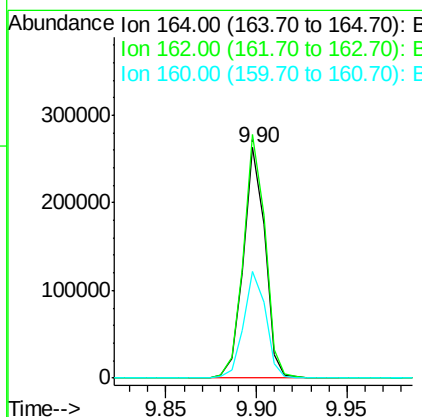
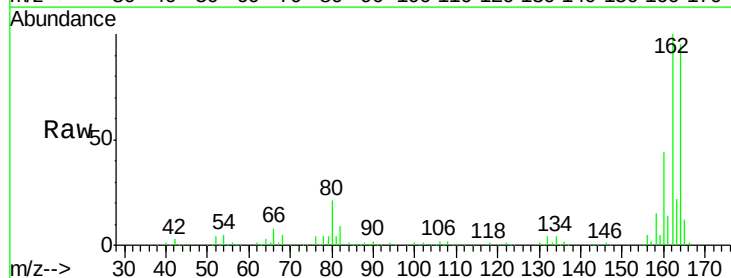
Instrument :
BNA_F
ClientSampleId :

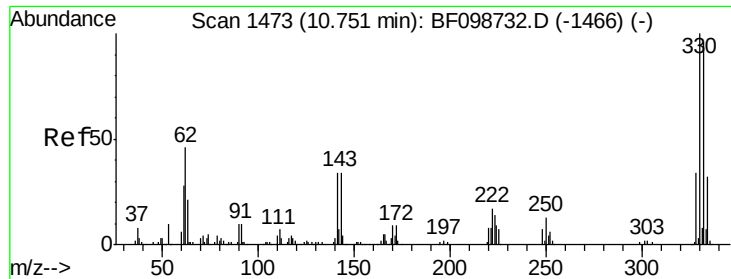
Tot Ion:142 Resp: 4058
Ion Ratio Lower Upper
142 100
141 73.1 70.8 106.2
115 29.8 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:164 Resp: 218061
Ion Ratio Lower Upper
164 100
162 105.5 86.1 129.1
160 46.0 38.3 57.5

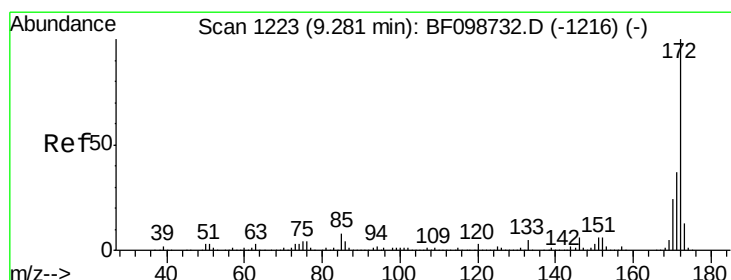
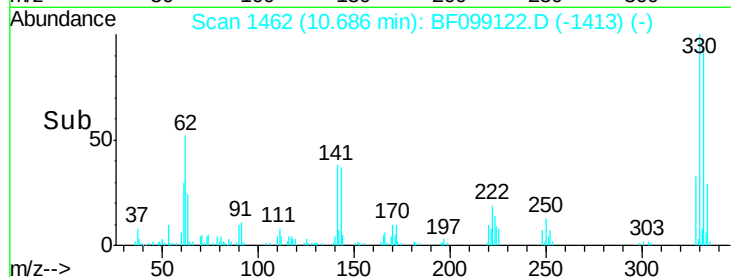
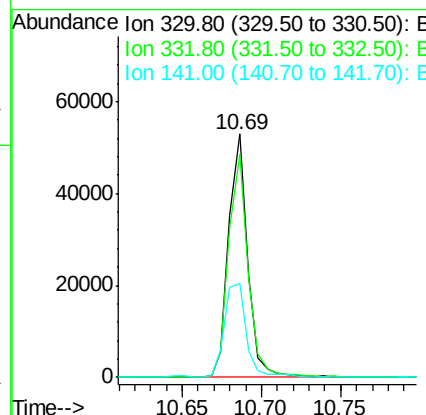
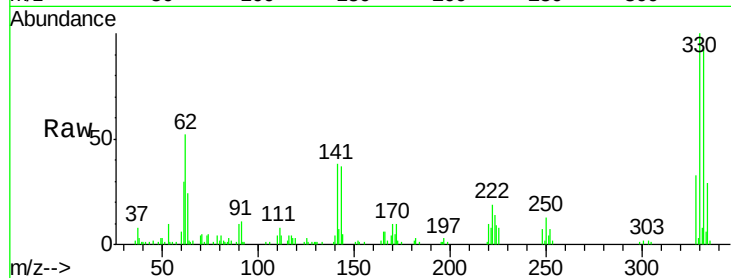




#41
 2,4,6-Tribromophenol
 Concen: 24.71 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

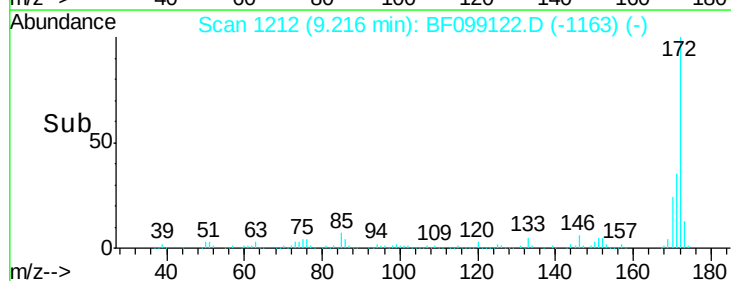
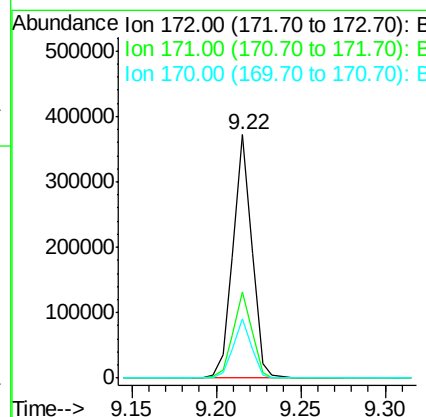
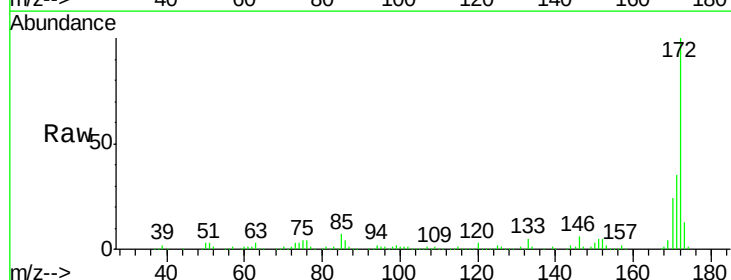
Instrument :
 BNA_F
 ClientSampleId :

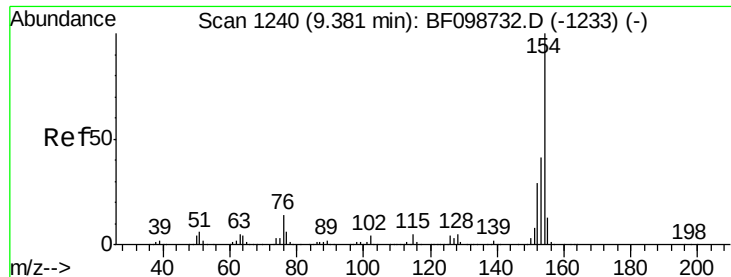
Tot Ion:330 Resp: 44083
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 44.8 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 22.17 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion:172 Resp: 289599
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 24.2 19.6 29.4





#45

1,1'-Biphenyl

Concen: 0.07 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

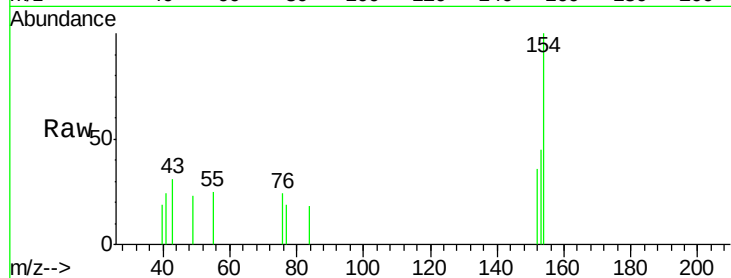
Tot Ion:154 Resp: 1401

Ion Ratio Lower Upper

154 100

153 44.6 21.3 61.3

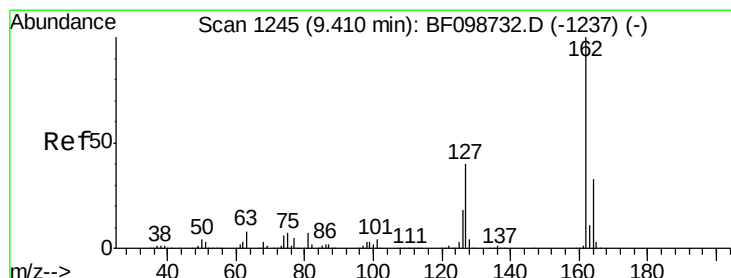
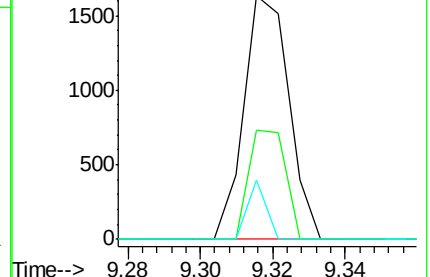
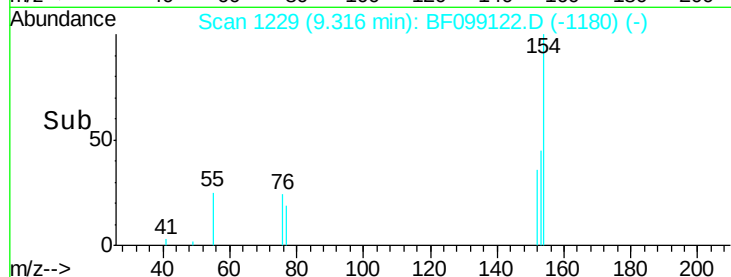
76 24.1 0.0 34.0



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: 9.61 min Scan# 1279

Delta R.T. 0.25 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

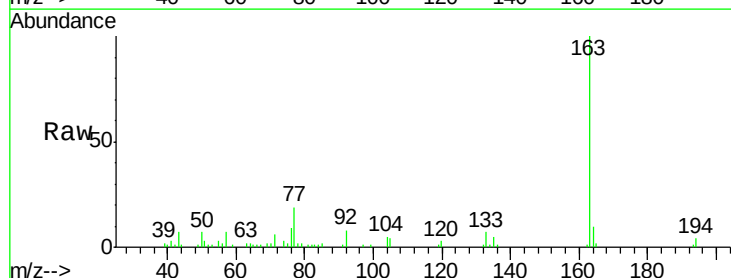
Tgt Ion:162 Resp: 131

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

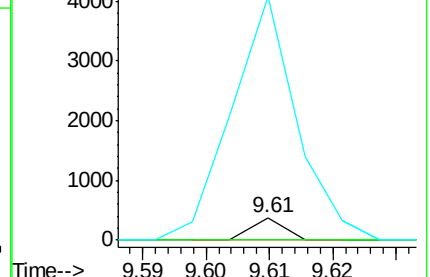
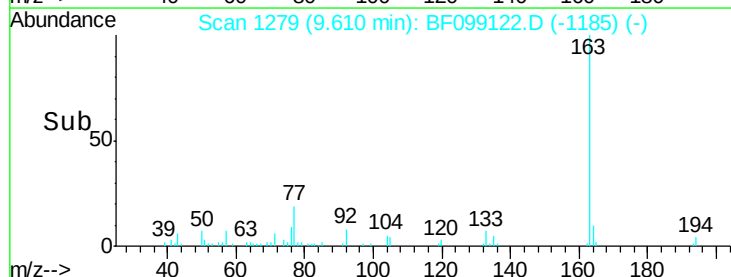
164 1098.7 26.5 39.7#

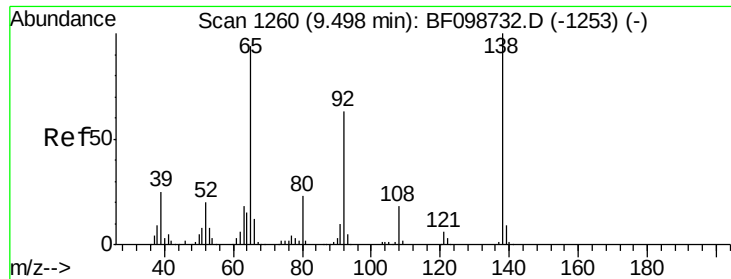


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

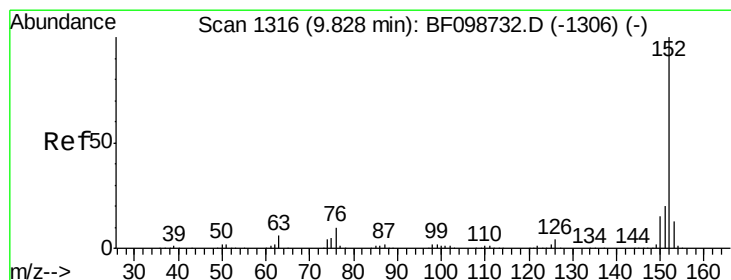
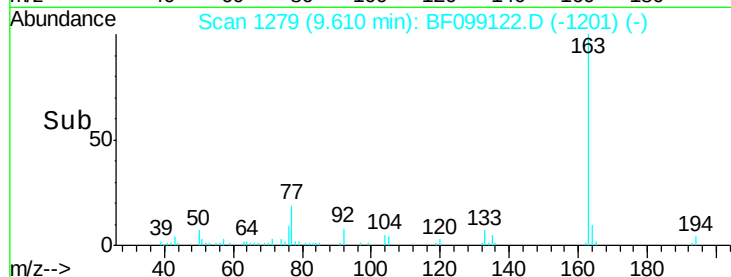
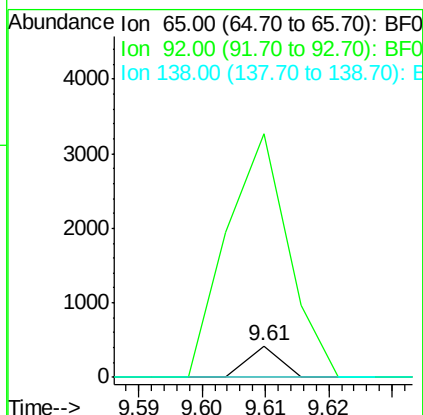
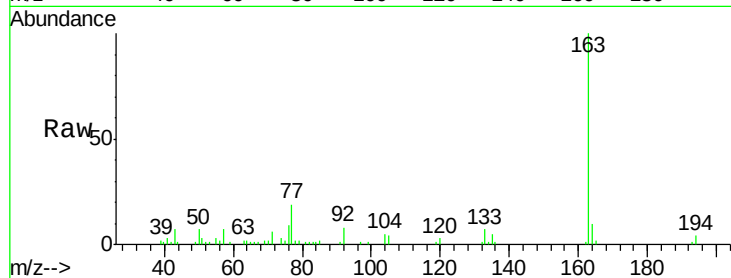




#47
2-Nitroaniline
Concen: 0.03 ng
RT: 9.61 min Scan# 1279
Delta R.T. 0.16 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

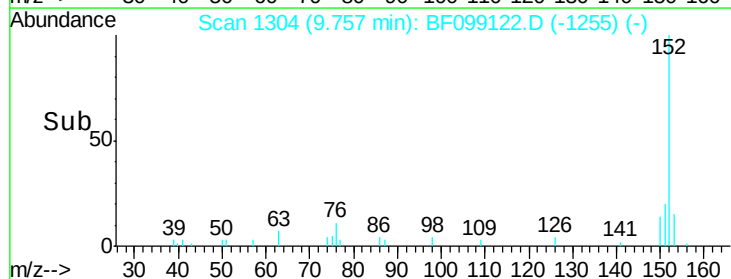
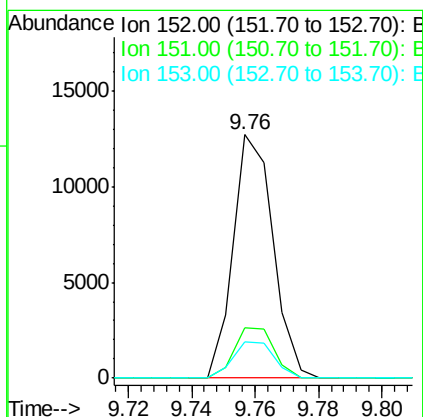
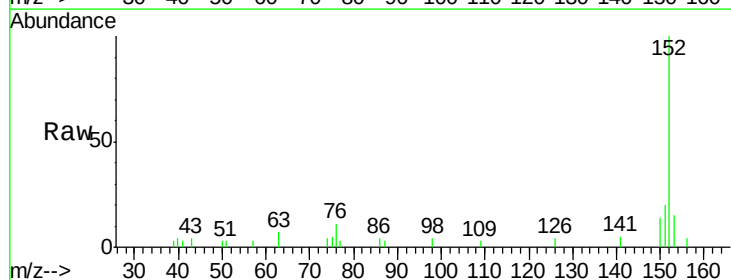
Instrument :
BNA_F
ClientSampleId :

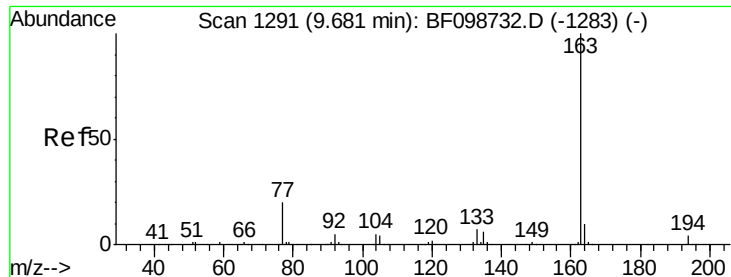
Tot Ion: 65 Resp: 148
Ion Ratio Lower Upper
65 100
92 777.9 55.8 83.6#
138 0.0 91.2 136.8#



#48
Acenaphthylene
Concen: 0.51 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion: 152 Resp: 10968
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 15.0 10.7 16.1

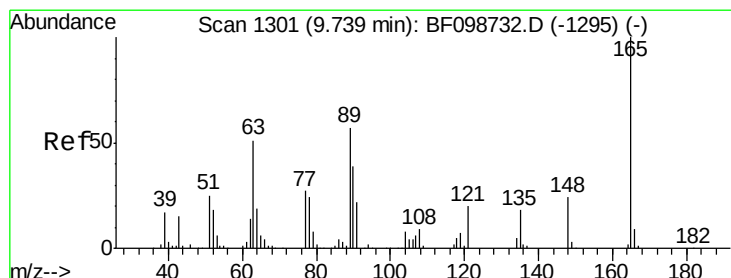
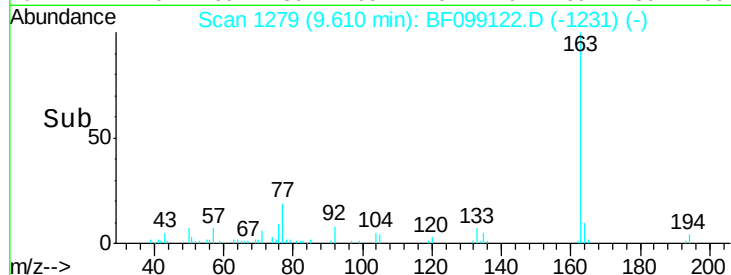
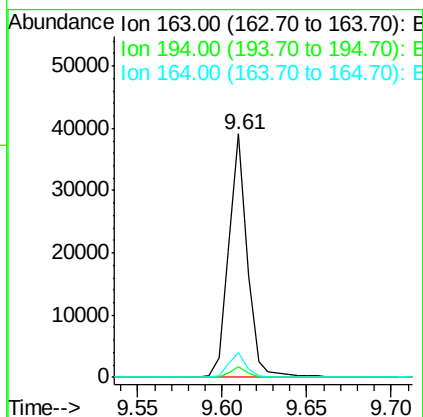
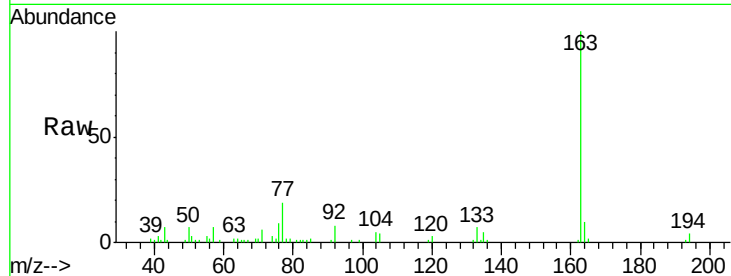




#49
Dimethylphthalate
Concen: 1.82 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

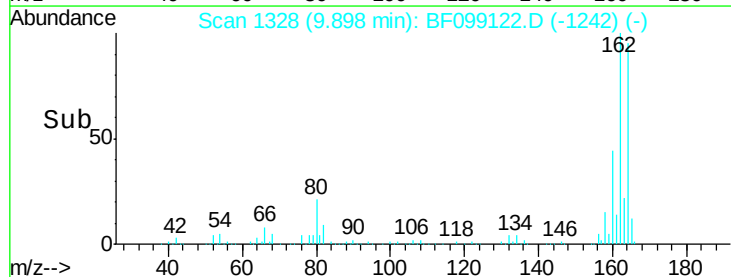
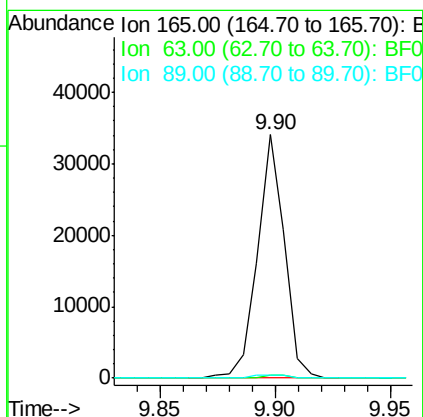
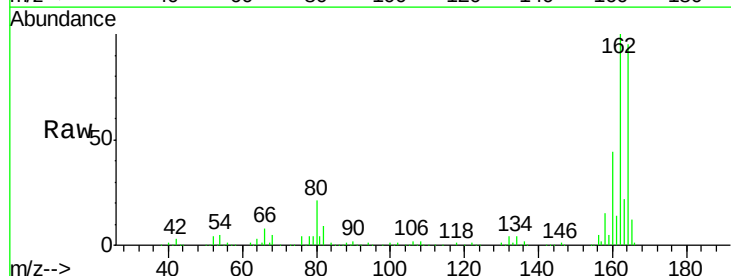
Instrument :
BNA_F
ClientSampleId :

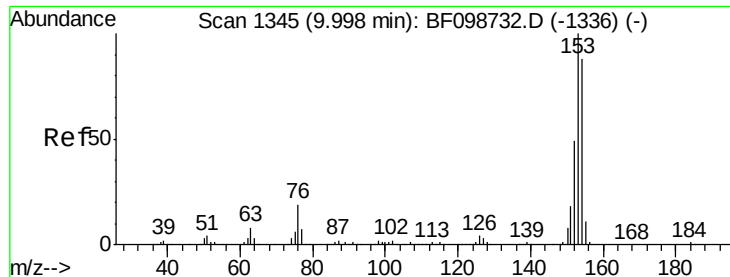
Tot Ion:163 Resp: 29937
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.75 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:165 Resp: 27753
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.3 44.0 66.0#





#51

Acenaphthene

Concen: 0.02 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

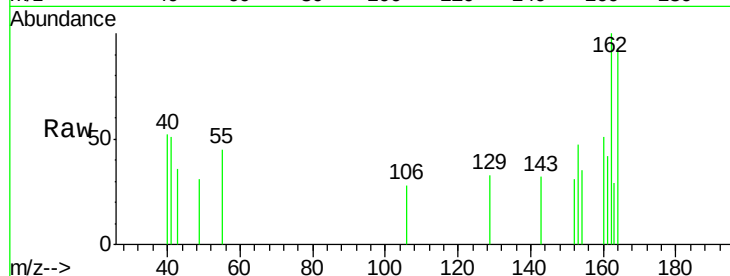
Tot Ion:154 Resp: 247

Ion Ratio Lower Upper

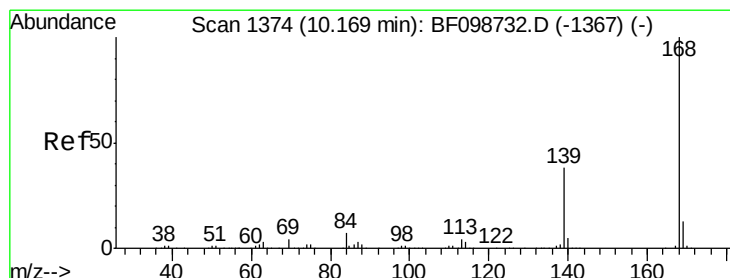
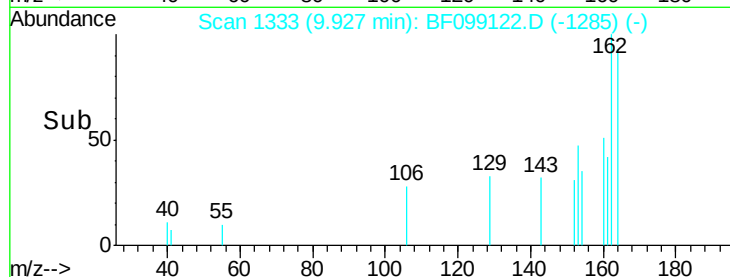
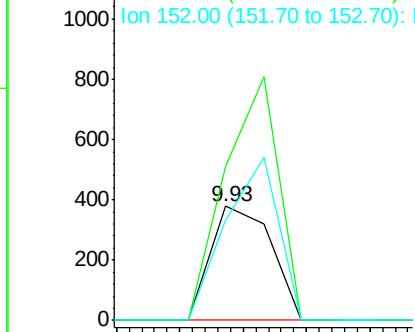
154 100

153 135.7 91.2 136.8

152 88.4 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



#54

Dibenzofuran

Concen: 0.15 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

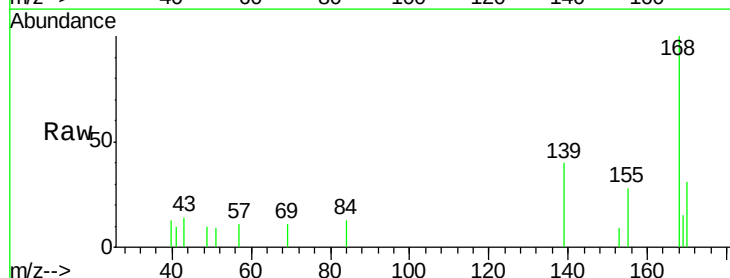
Tgt Ion:168 Resp: 2801

Ion Ratio Lower Upper

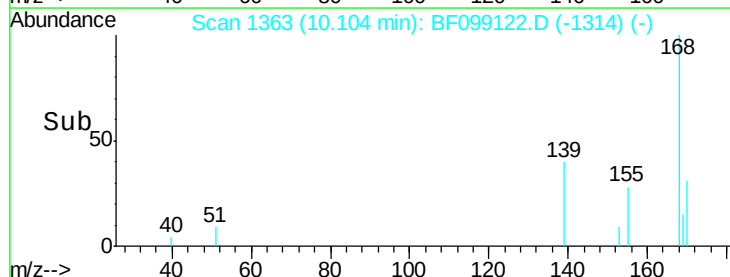
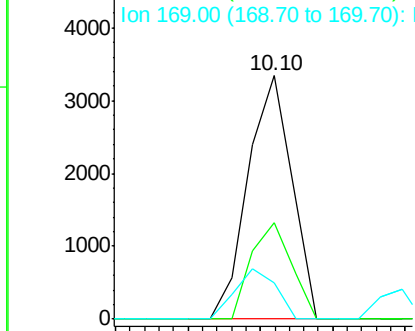
168 100

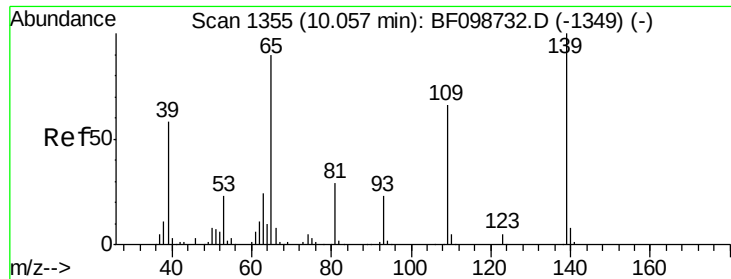
139 39.6 30.1 45.1

169 15.1 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

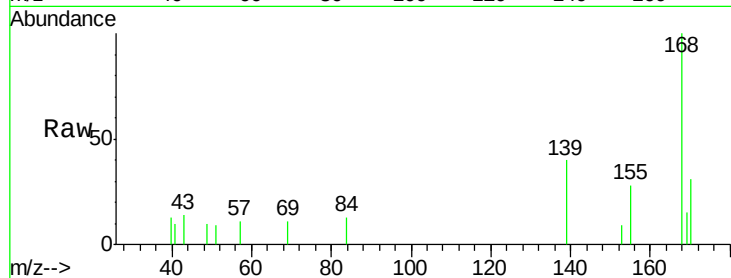




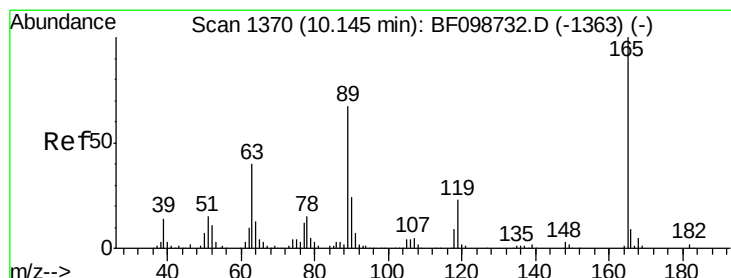
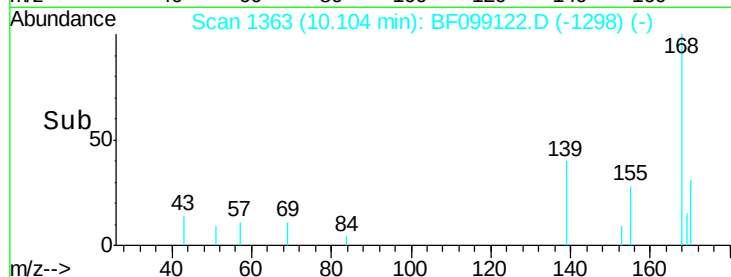
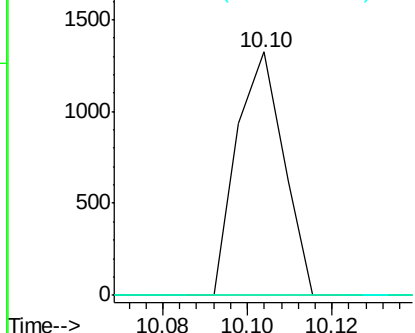
#55
4-Nitrophenol
Concen: 0.29 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1016
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

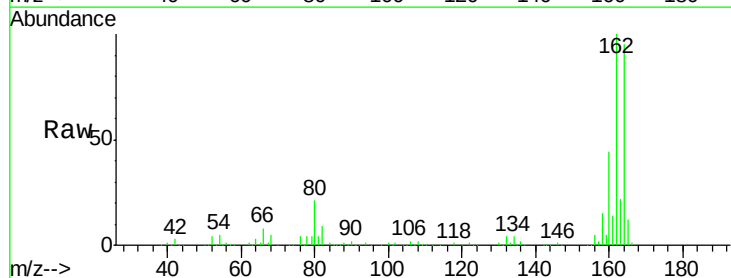


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

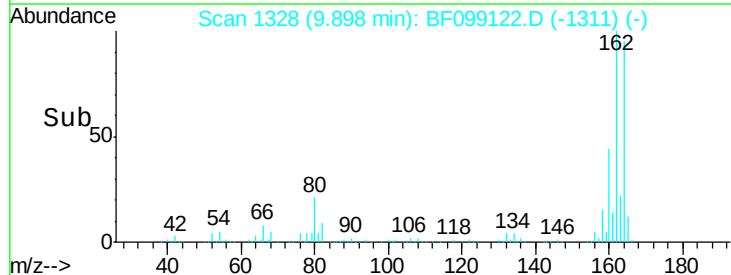
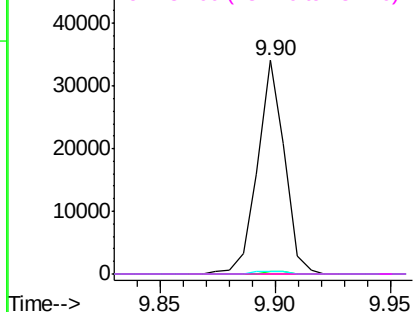


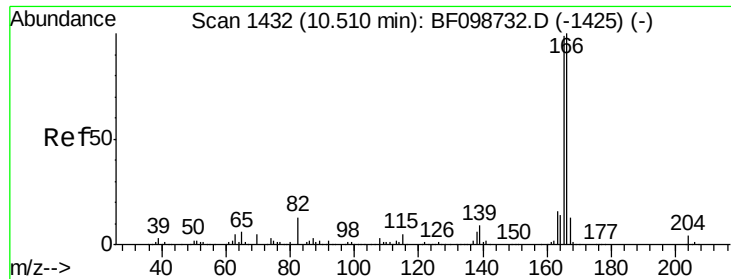
#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:165 Resp: 27753
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.3 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

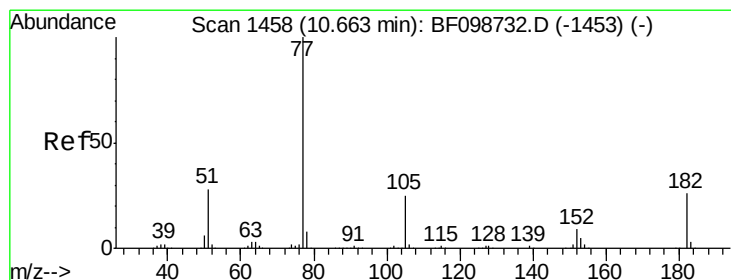
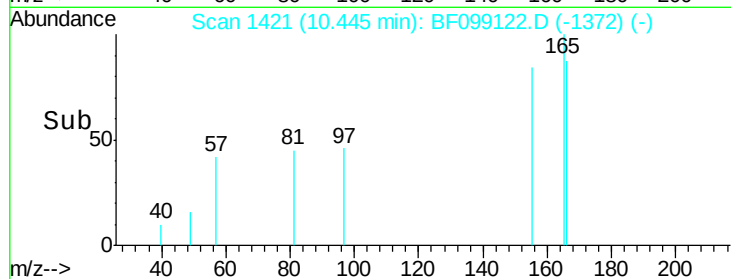
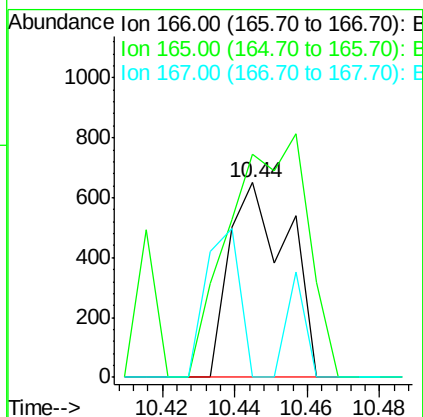
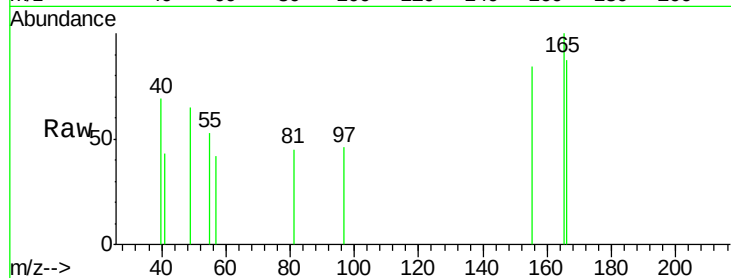




#57
 Fluorene
 Concen: 0.05 ng
 RT: 10.44 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

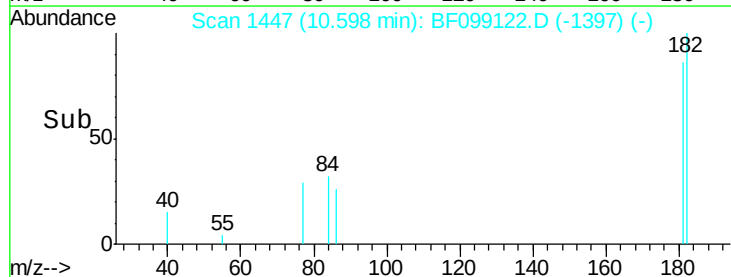
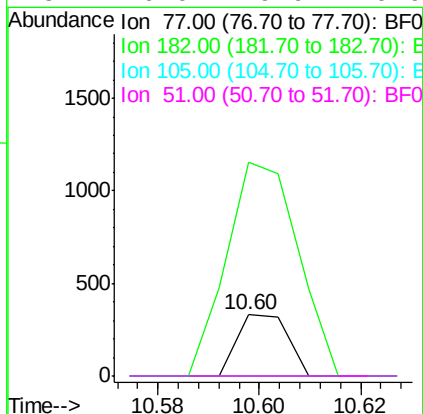
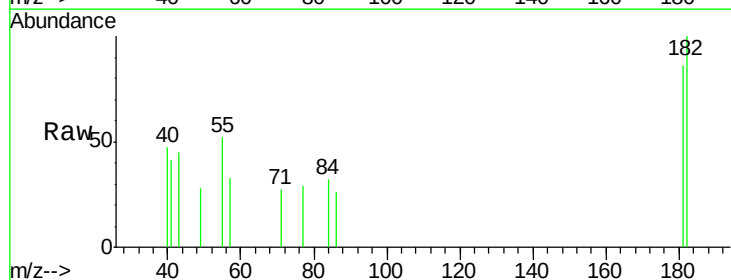
Instrument :
 BNA_F
 ClientSampleId :

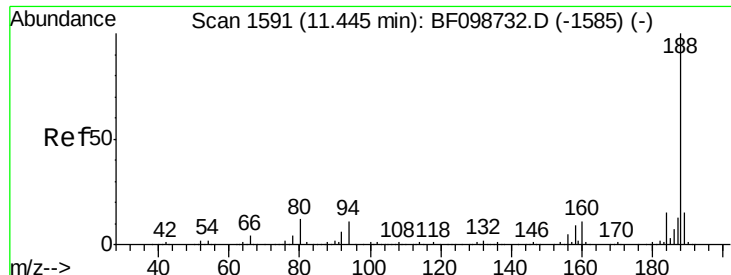
Tot Ion:166 Resp: 732
 Ion Ratio Lower Upper
 166 100
 165 114.6 79.8 119.8
 167 0.0 10.6 16.0#



#62
 Azobenzene
 Concen: 0.02 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion: 77 Resp: 228
 Ion Ratio Lower Upper
 77 100
 182 349.7 1.7 41.7#
 105 0.0 3.0 43.0#
 51 0.0 9.9 49.9#

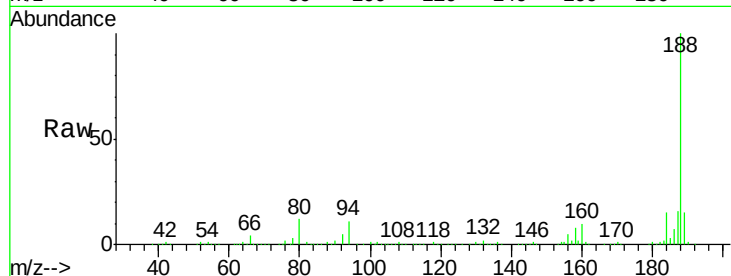




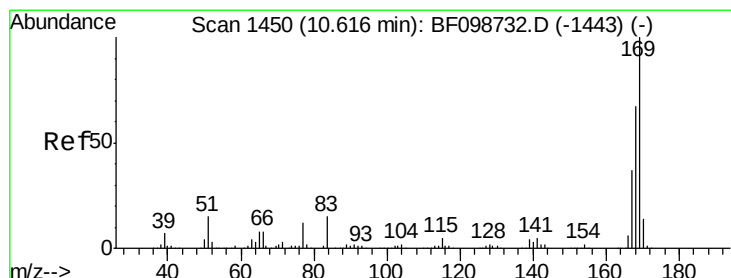
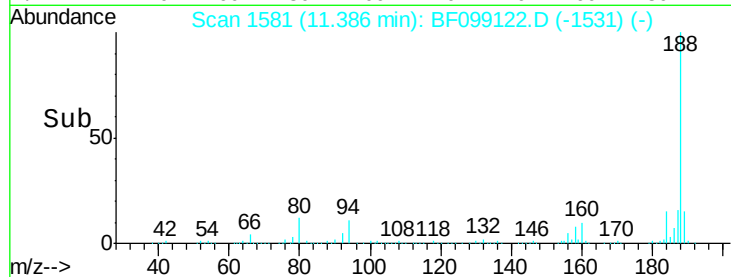
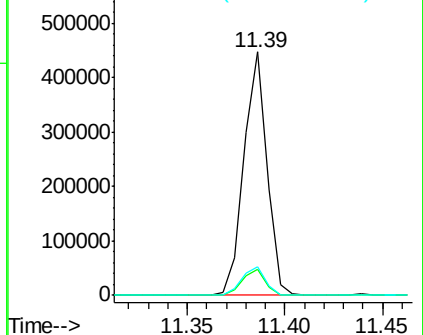
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 368869
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.9 9.2 13.8

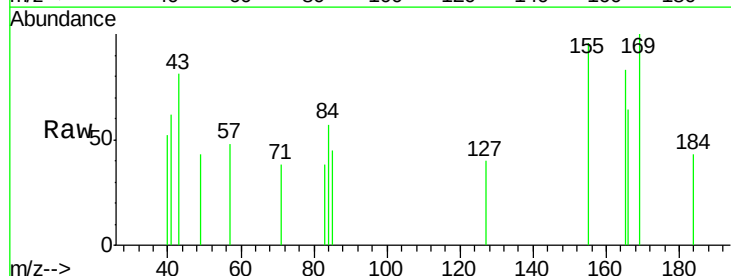


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

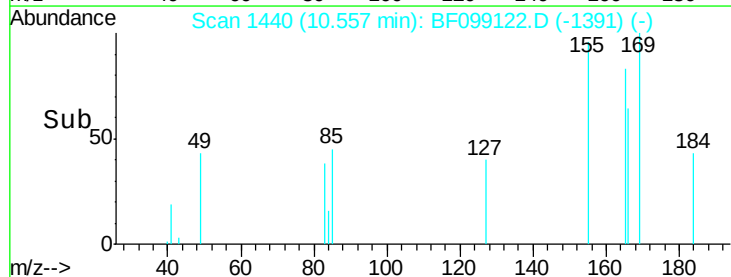
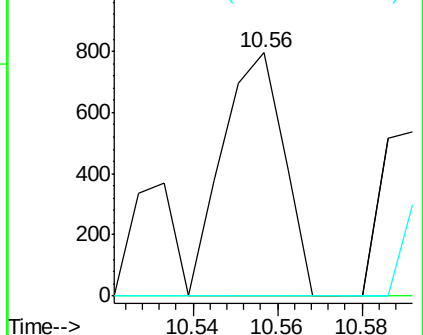


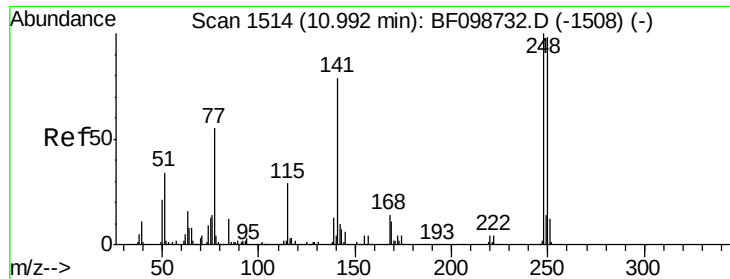
#65
 n-Nitrosodiphenylamine
 Concen: 0.06 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion:169 Resp: 805
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.4 81.6#
 167 0.0 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

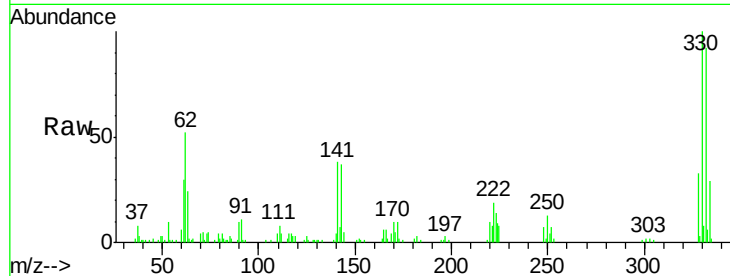




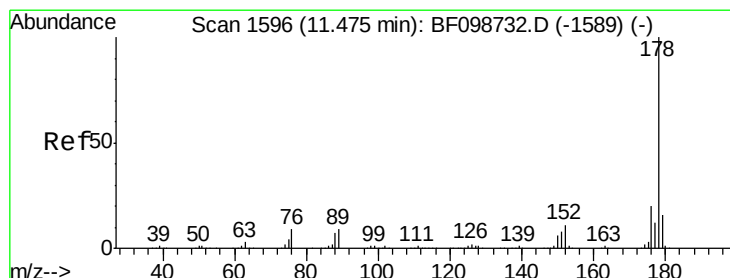
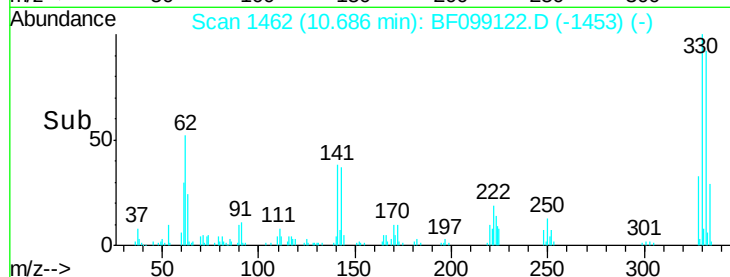
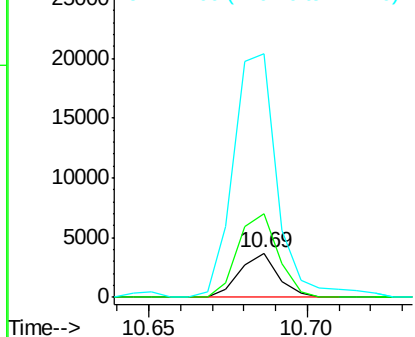
#66
4-Bromophenyl-phenylether
Concen: 0.85 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 3073
Ion Ratio Lower Upper
248 100
250 191.1 76.9 115.3#
141 552.7 74.4 111.6#

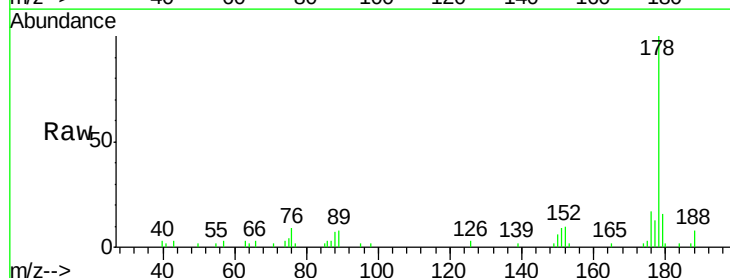


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

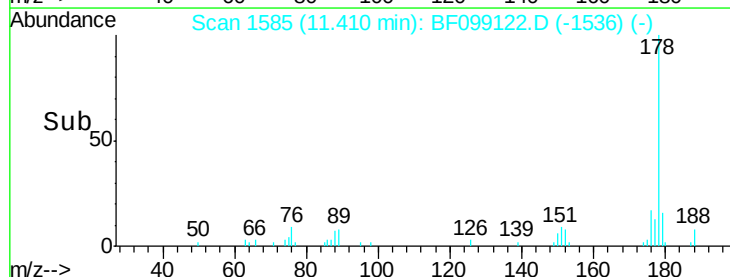
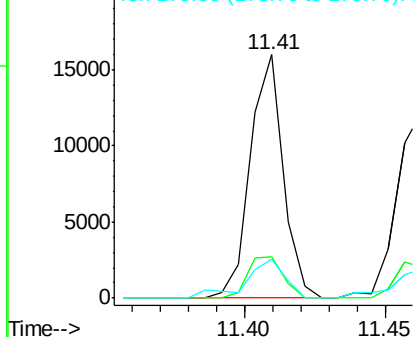


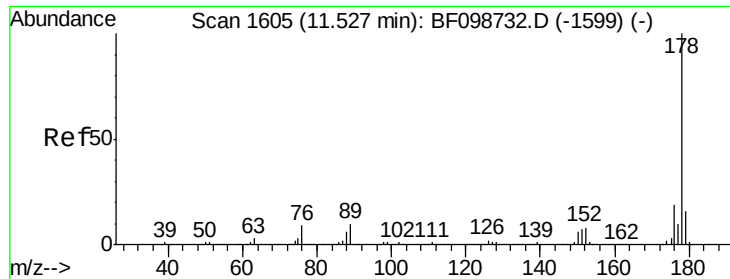
#70
Phenanthrene
Concen: 0.65 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:178 Resp: 12879
Ion Ratio Lower Upper
178 100
176 17.0 15.8 23.8
179 15.8 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: 0.54 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

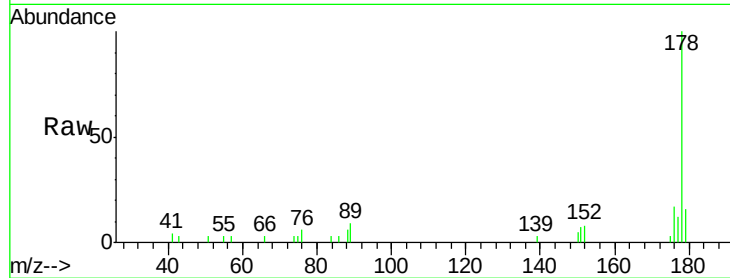
Tot Ion:178 Resp: 10987

Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.2

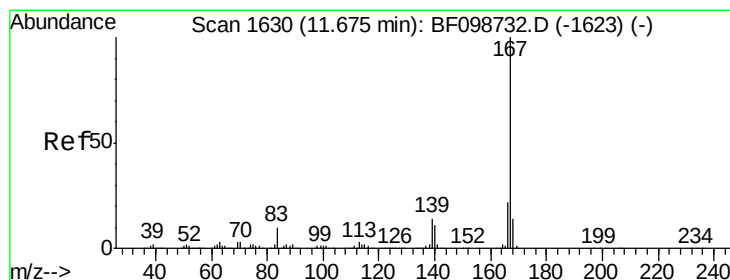
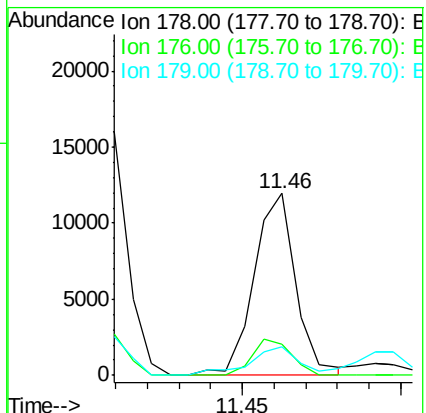
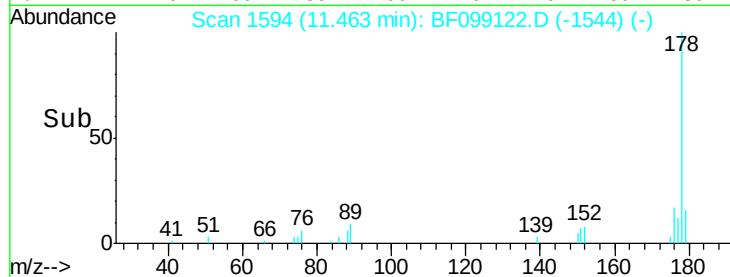
179 15.9 12.6 19.0



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: 0.14 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

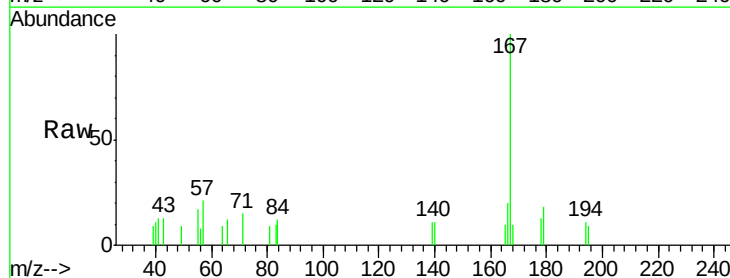
Tgt Ion:167 Resp: 2855

Ion Ratio Lower Upper

167 100

166 19.9 17.6 26.4

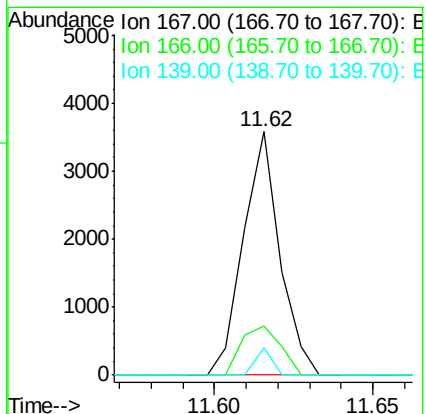
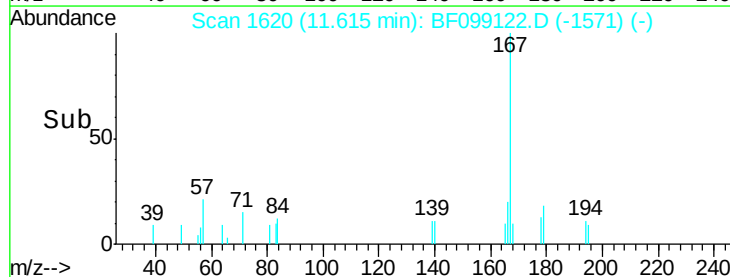
139 11.2 10.9 16.3

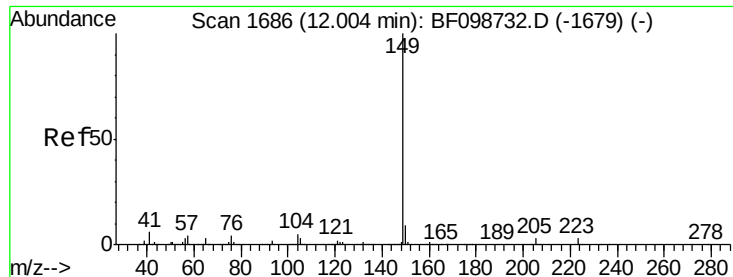


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.12 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

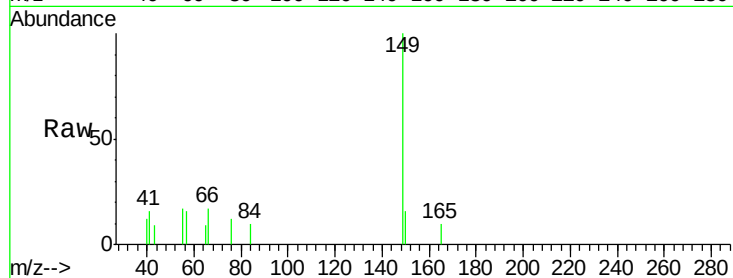
Tot Ion:149 Resp: 2976

Ion Ratio Lower Upper

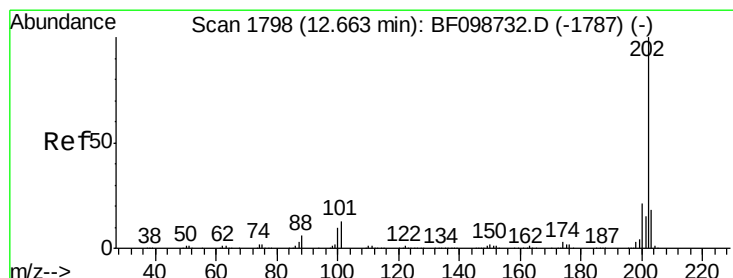
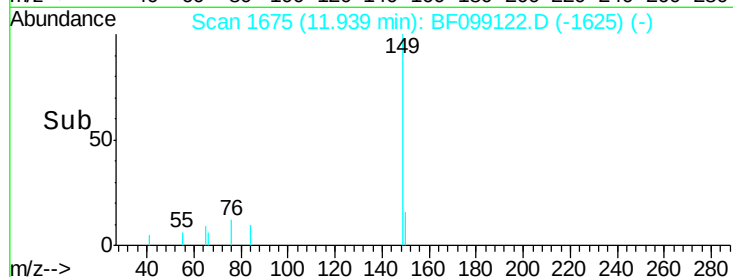
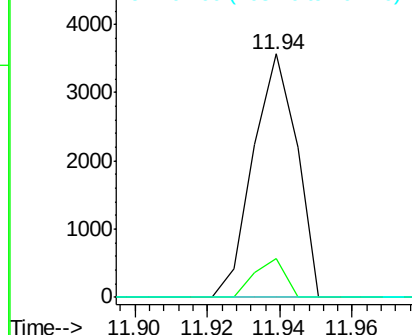
149 100

150 15.7 7.8 11.6#

104 0.0 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 2.00 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

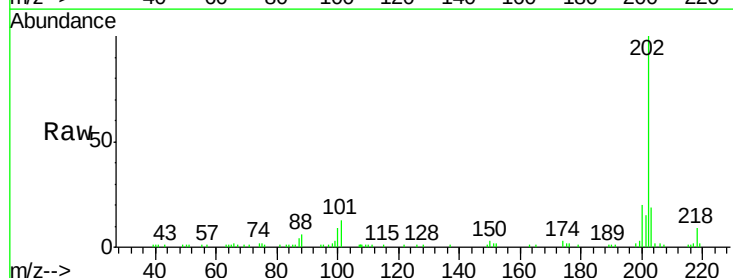
Tgt Ion:202 Resp: 40039

Ion Ratio Lower Upper

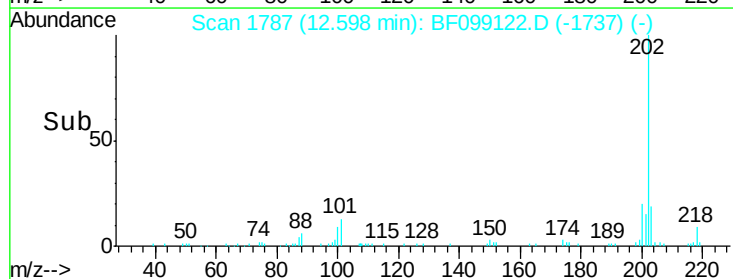
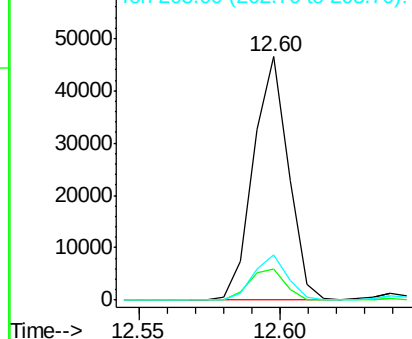
202 100

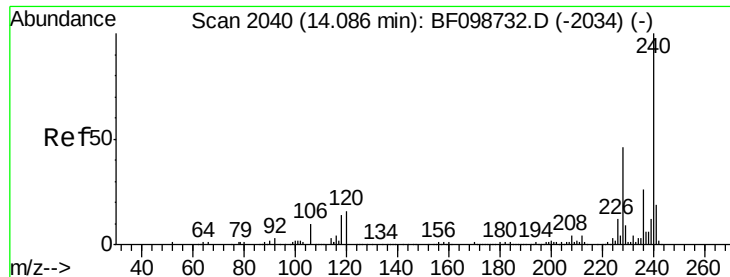
101 13.0 0.0 34.1

203 18.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

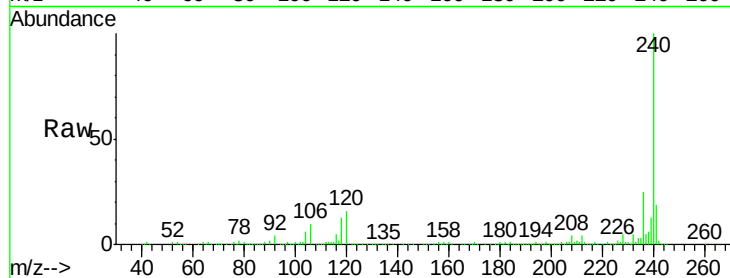
Tot Ion:240 Resp: 219639

Ion Ratio Lower Upper

240 100

120 15.7 9.5 14.3#

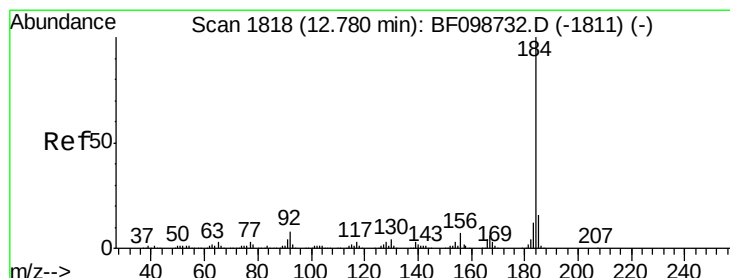
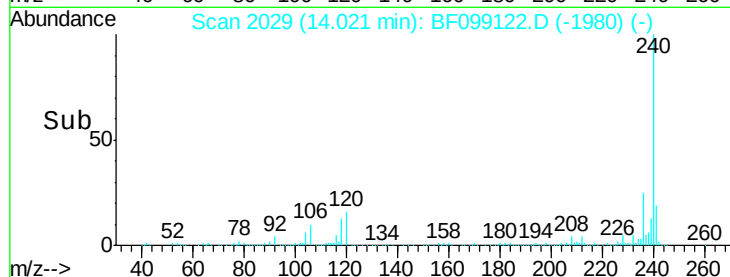
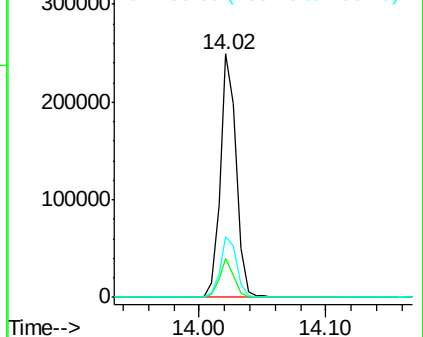
236 24.9 20.7 31.1



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: 0.37 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.24 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

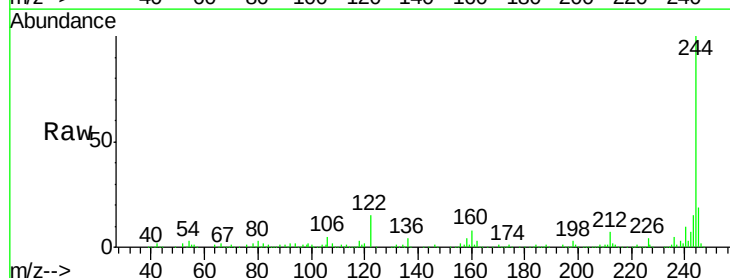
Tgt Ion:184 Resp: 2983

Ion Ratio Lower Upper

184 100

185 25.4 12.6 18.8#

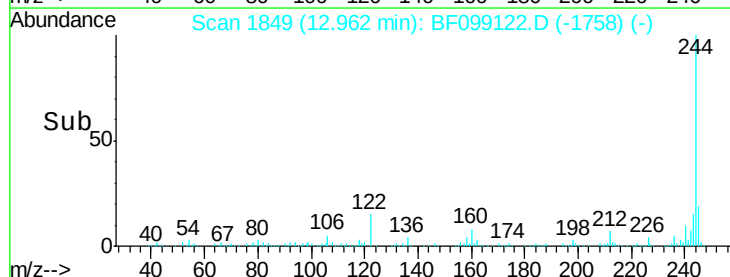
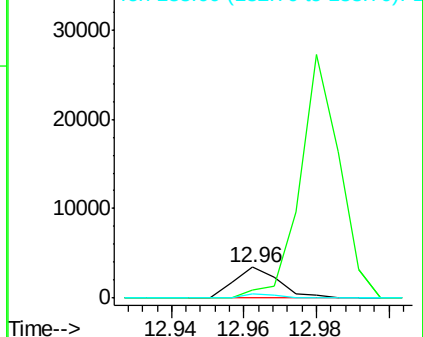
183 11.9 9.3 13.9

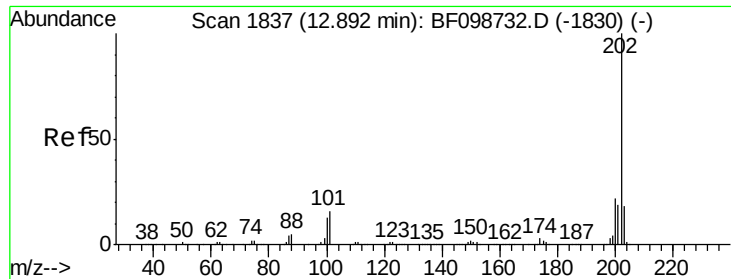


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 2.60 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampleId :

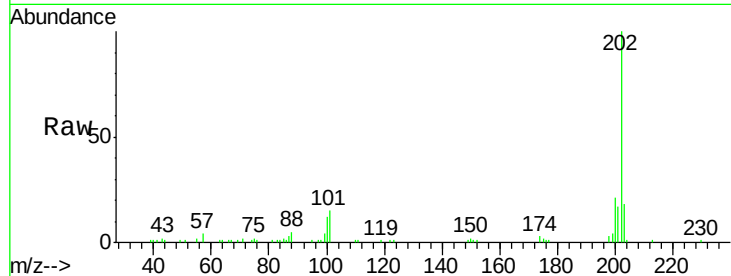
Tot Ion:202 Resp: 43599

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

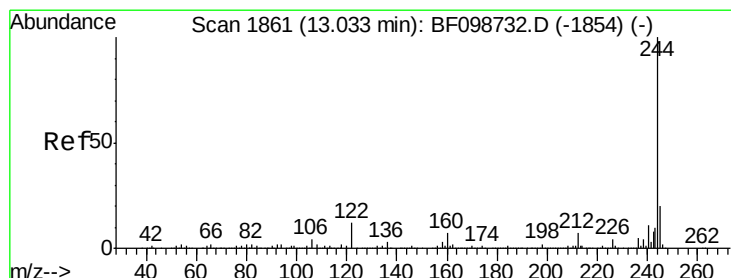
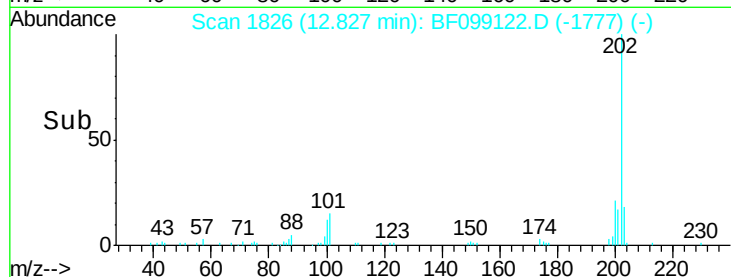
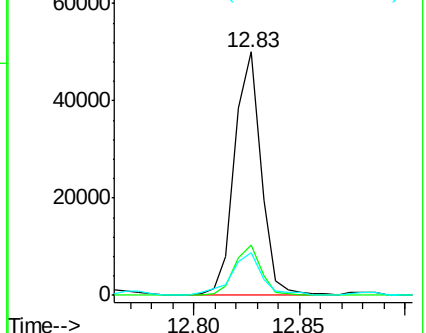
203 17.5 14.3 21.5



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: 21.16 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

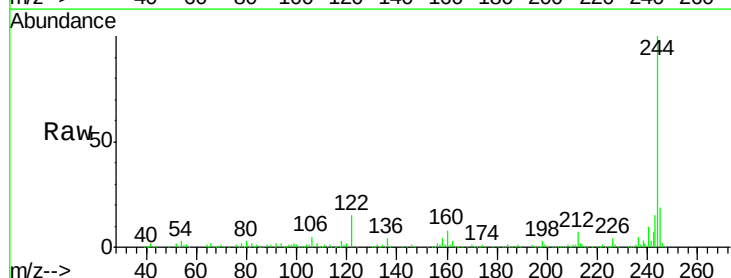
Tgt Ion:244 Resp: 204376

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

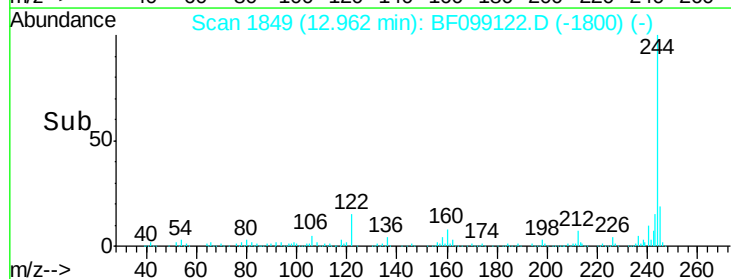
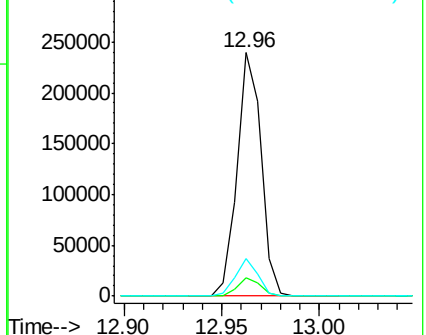
122 15.3 11.0 16.4

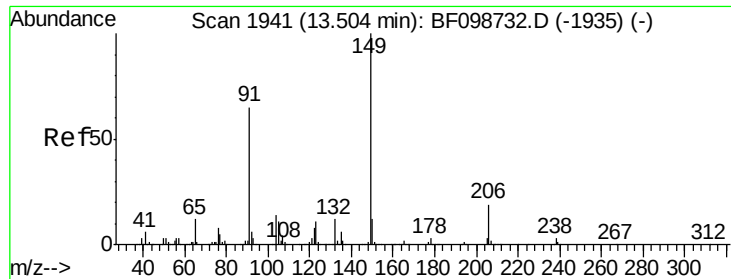


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

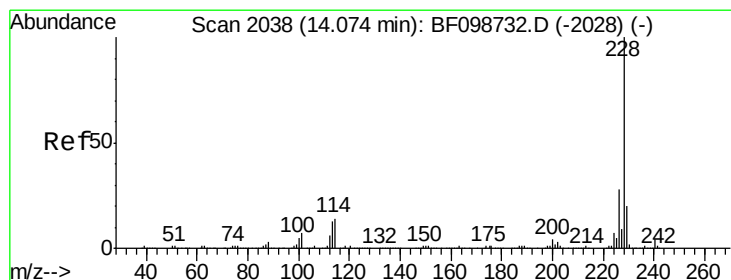
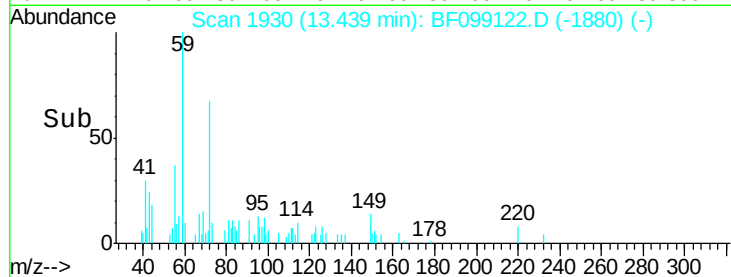
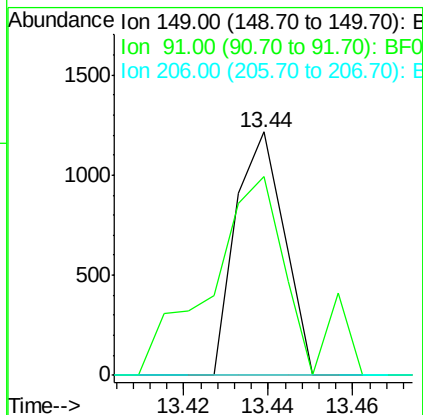
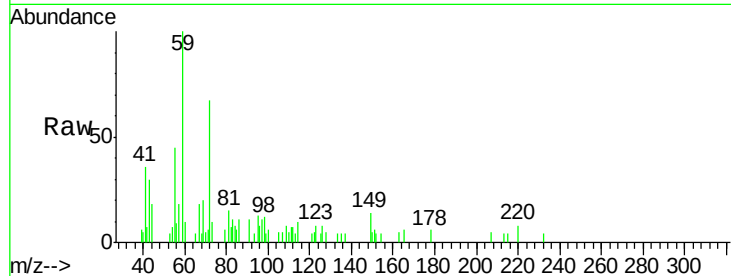




#79
Butylbenzylphthalate
Concen: 0.12 ng
RT: 13.44 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

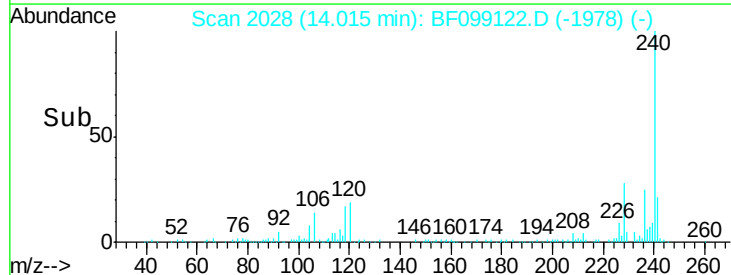
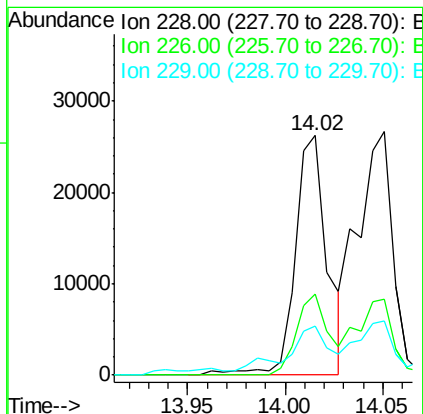
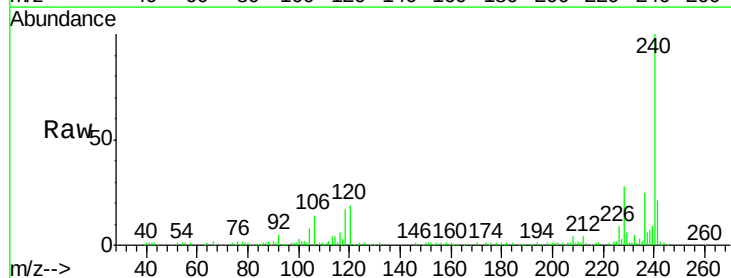
Instrument :
BNA_F
ClientSampleId :

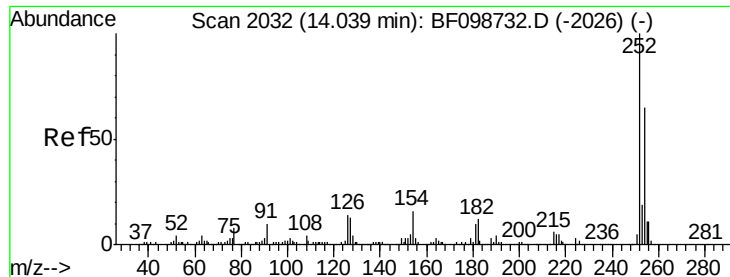
Tot Ion:149 Resp: 968
Ion Ratio Lower Upper
149 100
91 81.4 56.8 85.2
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 2.24 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion:228 Resp: 29810
Ion Ratio Lower Upper
228 100
226 33.7 22.6 33.8
229 20.7 15.8 23.6

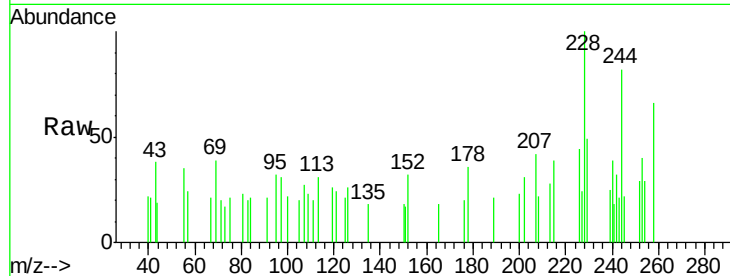




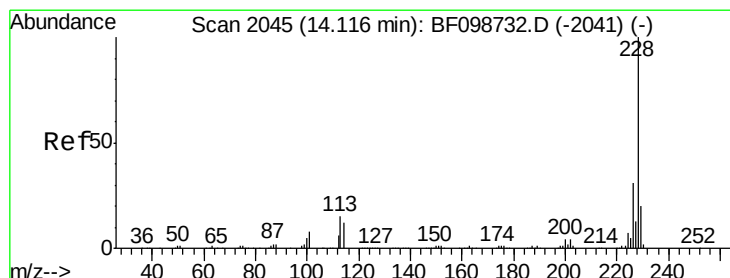
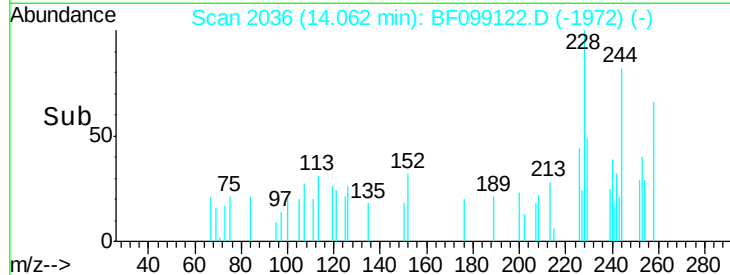
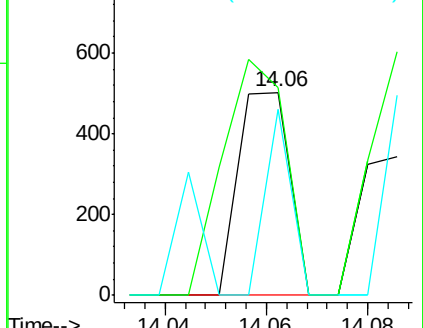
#81
 3,3'-Dichlorobenzidine
 Concen: 0.07 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.08 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 353
 Ion Ratio Lower Upper
 252 100
 254 102.2 50.4 75.6#
 126 92.0 11.3 16.9#

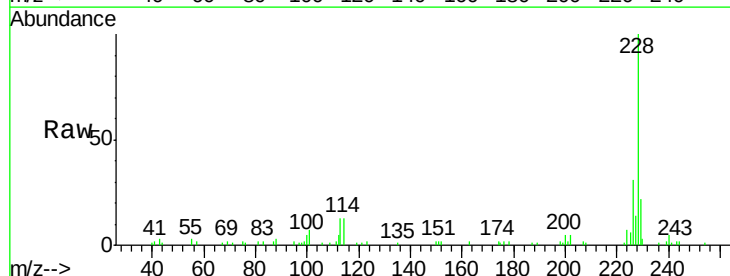


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

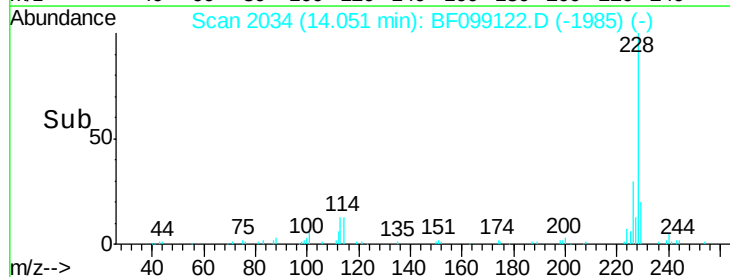
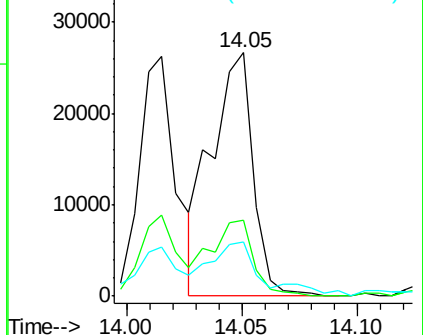


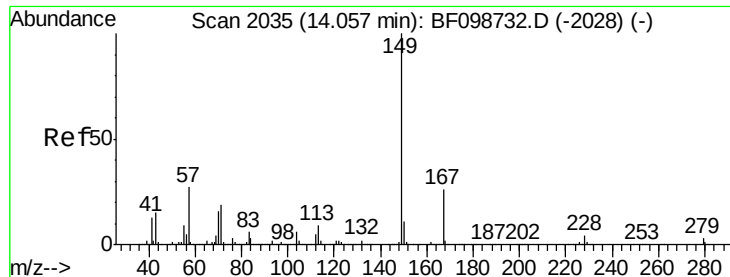
#82
 Chrysene
 Concen: 2.65 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion:228 Resp: 33566
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.0 37.6
 229 22.1 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

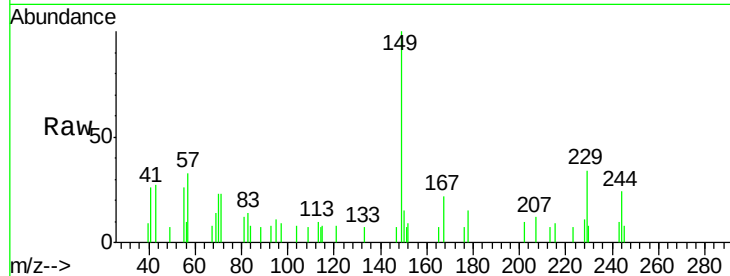




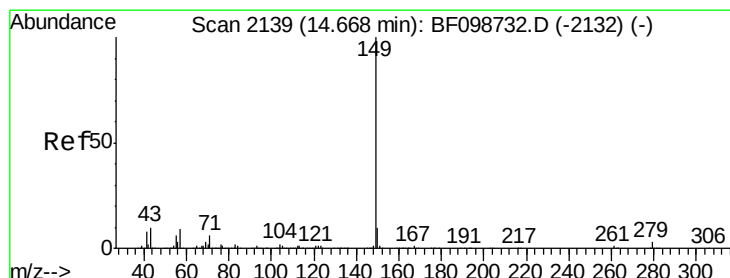
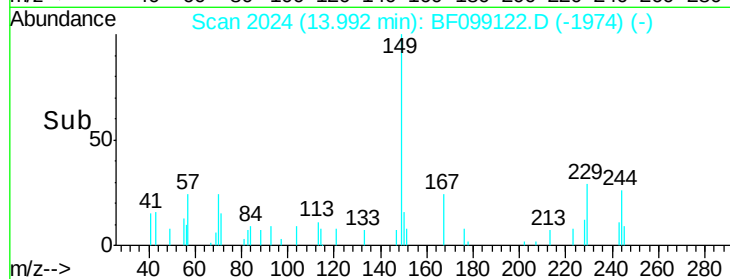
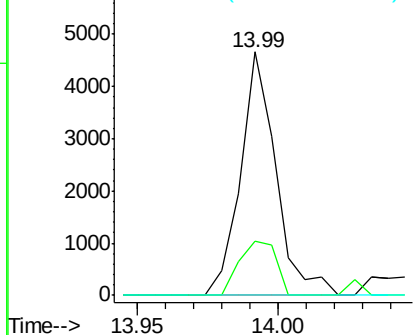
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.37 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 4061
 Ion Ratio Lower Upper
 149 100
 167 22.1 21.3 31.9
 279 0.0 3.0 4.4#

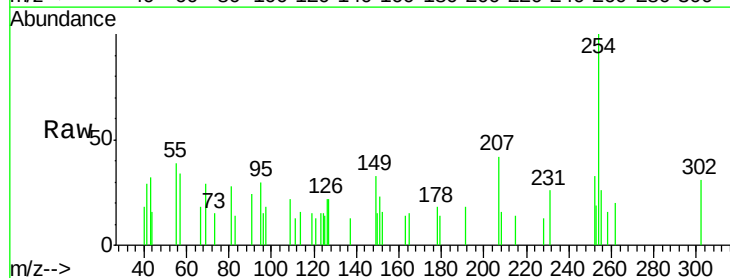


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

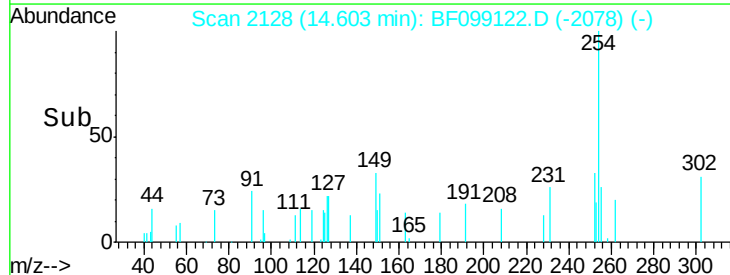
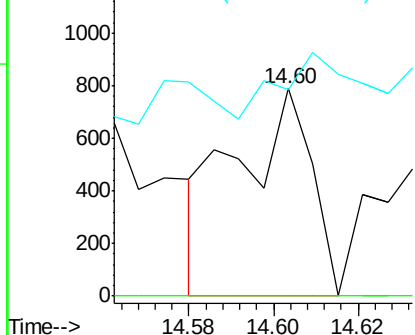


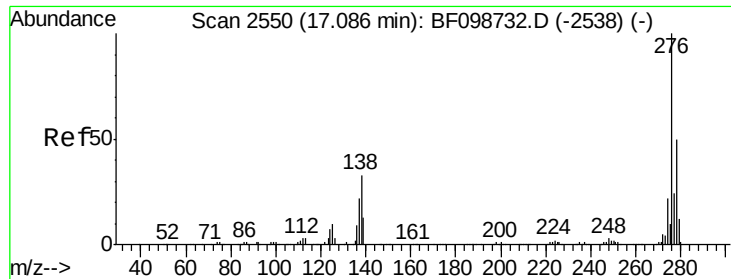
#84
 Di-n-octyl phthalate
 Concen: 0.06 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Tgt Ion:149 Resp: 982
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 33.4 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

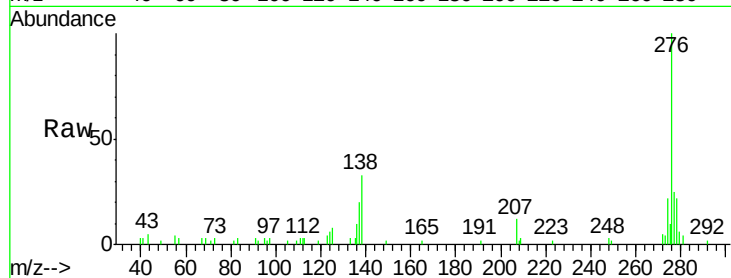




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.92 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.8	25.0	37.6
277	24.1	20.1	30.1

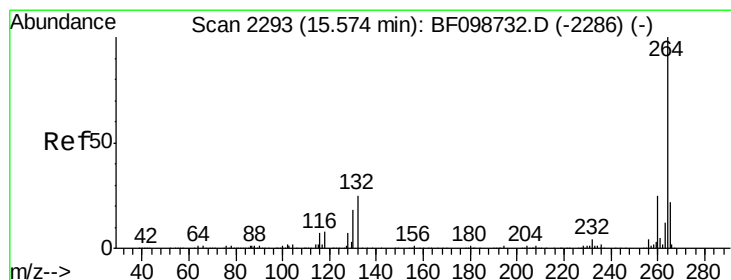
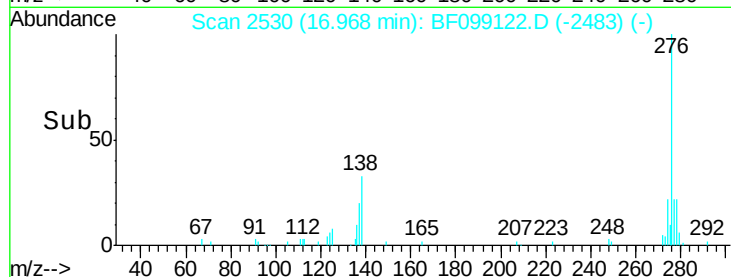
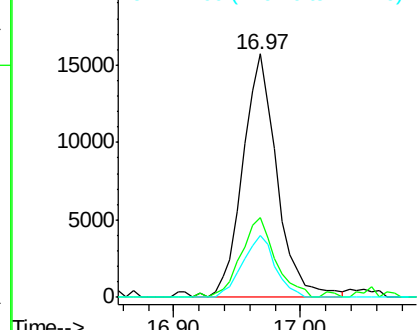


Abundance

Ion 276.00 (275.70 to 276.70): E

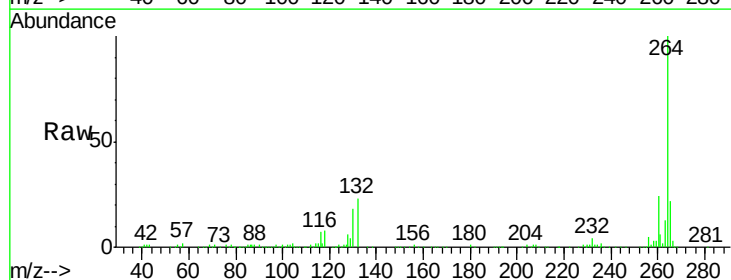
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	17.5	26.3

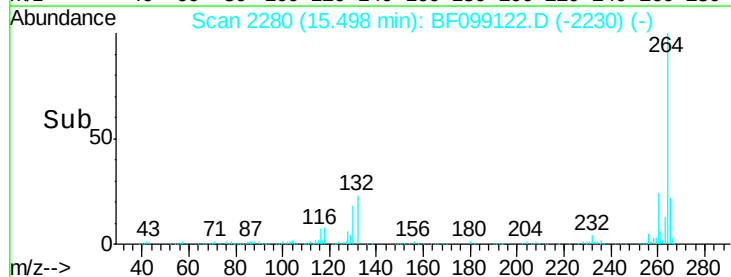
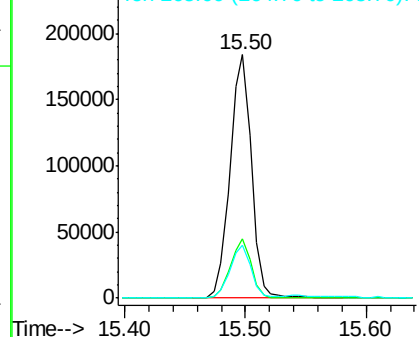


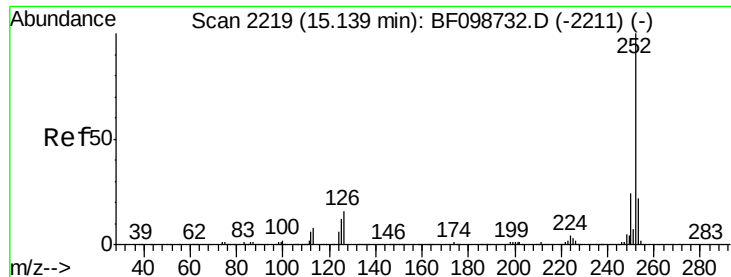
Abundance

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

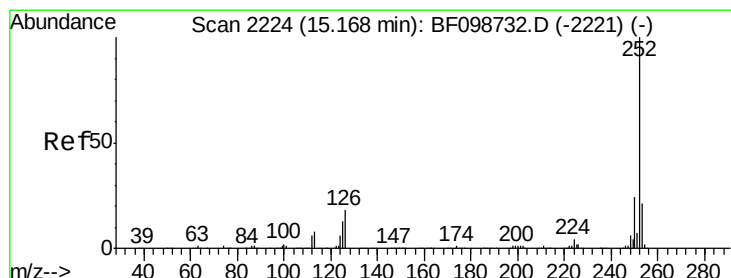
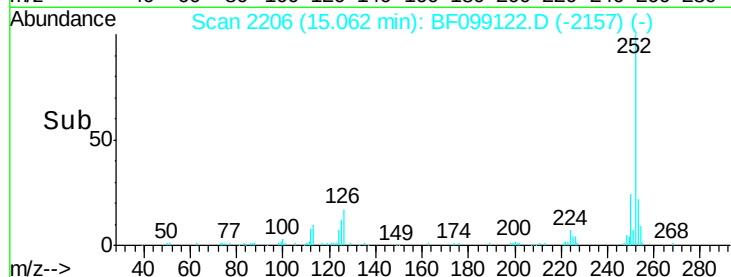
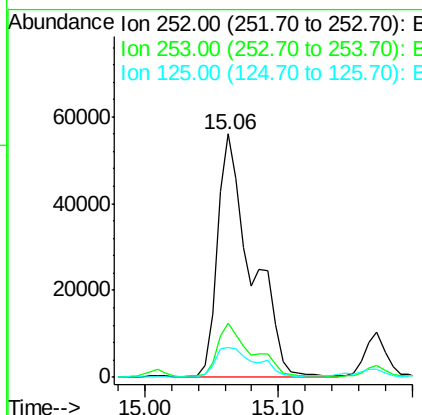
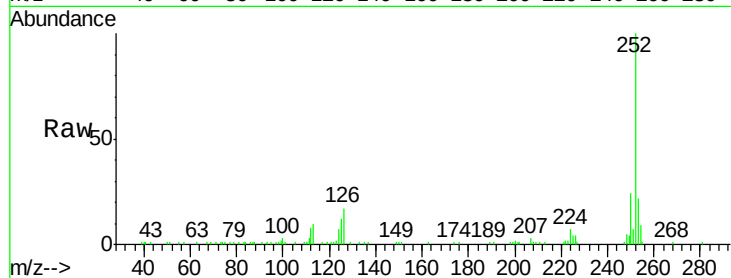




#87
Benzo(b)fluoranthene
Concen: 7.14 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

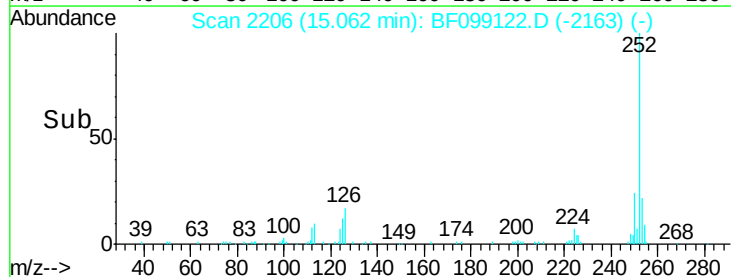
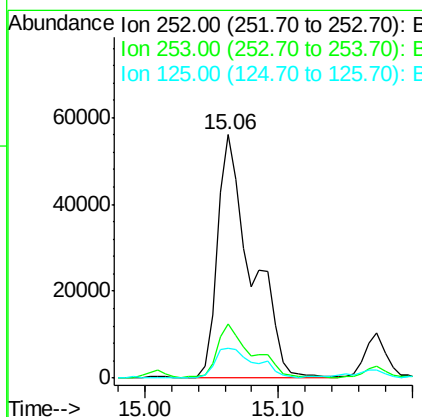
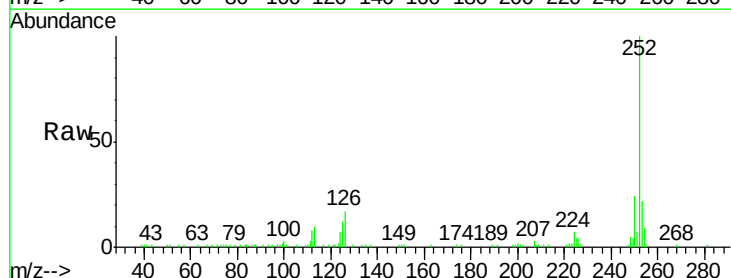
Instrument :
BNA_F
ClientSampleId :

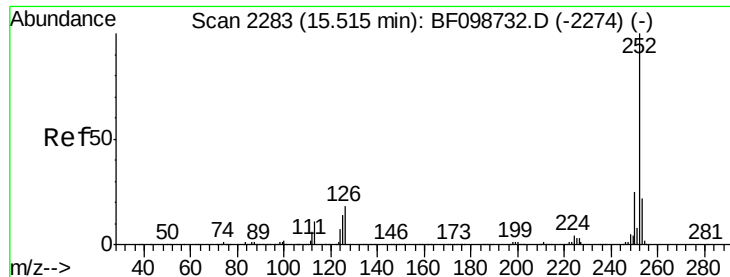
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 7.22 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF099122.D
Acq: 6 Oct 2017 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.47 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

Instrument :

BNA_F

ClientSampled :

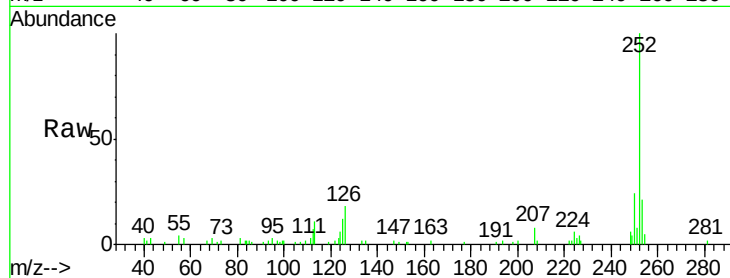
Tot Ion:252 Resp: 31667

Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

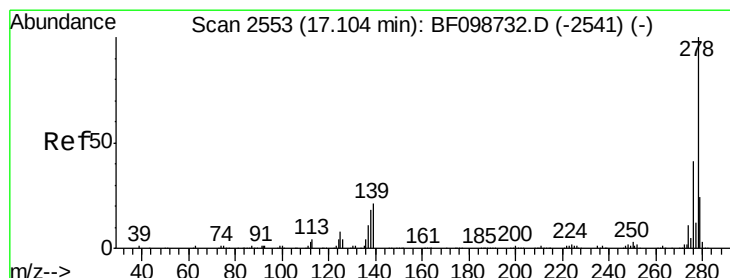
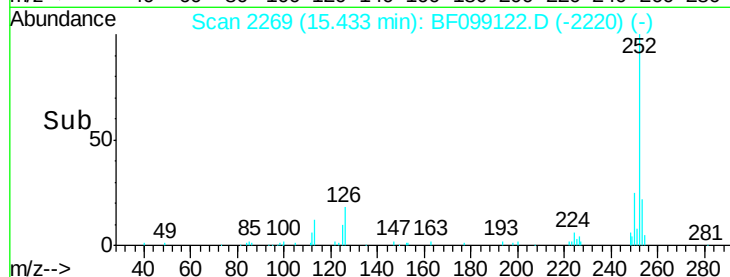
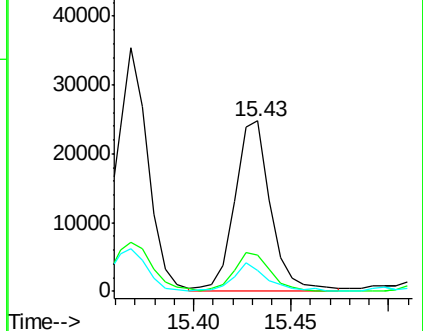
125 12.4 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 0.44 ng

RT: 17.14 min Scan# 2560

Delta R.T. 0.14 min

Lab File: BF099122.D

Acq: 6 Oct 2017 00:02

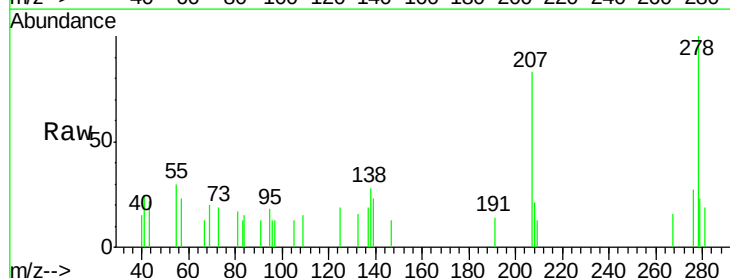
Tgt Ion:278 Resp: 4486

Ion Ratio Lower Upper

278 100

139 22.6 15.9 23.9

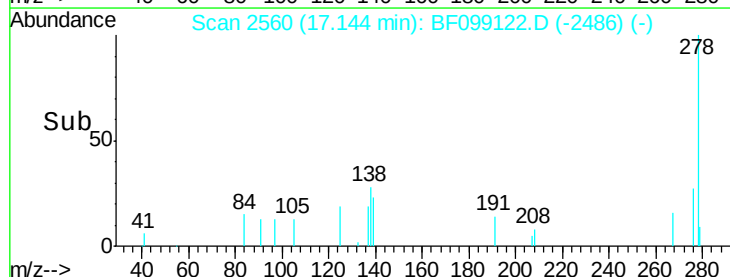
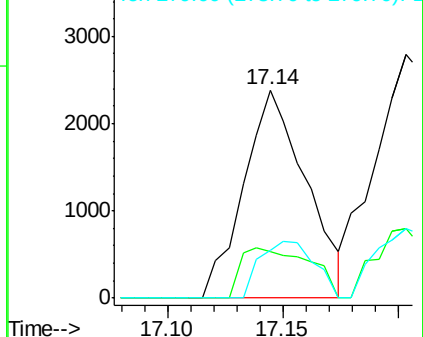
279 23.2 19.0 28.4

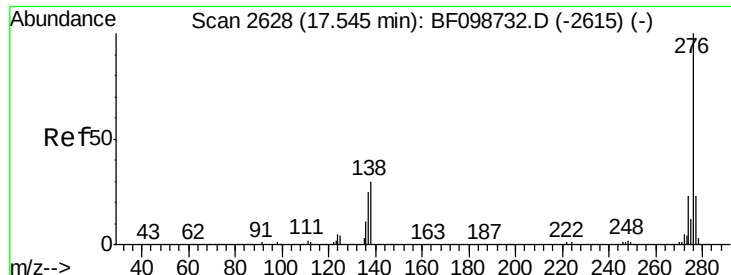


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

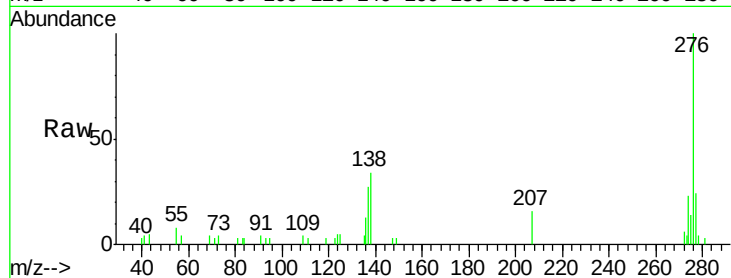




#91
 Benzo(a,h,i)perylene
 Concen: 2.48 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.03 min
 Lab File: BF099122.D
 Acq: 6 Oct 2017 00:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	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

