

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096777.D
 Acq On : 14 Jul 2017 15:54
 Operator : SJ/JU
 Sample : I4172-12 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 16:37:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	103496	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	418729	20.00	ng	0.00
38) Acenaphthene-d10	9.66	164	171088	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	299477	20.00	ng	0.00
75) Chrysene-d12	13.77	240	211166	20.00	ng	0.00
86) Perylene-d12	15.16	264	186498	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	207540	30.15	ng	0.00
7) Phenol-d6	6.27	99	255744	30.96	ng	-0.01
23) Nitrobenzene-d5	7.19	82	136205	20.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.45	330	24776	16.97	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	232768	21.50	ng	0.00
78) Terphenyl-d14	12.73	244	163985	13.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.22	88	336	0.095	ng	# 21
4) n-Nitrosodimethylamine	2.82	42	122	0.029	ng	# 1
6) Aniline	6.37	93	1179	0.116	ng	# 42
9) Benzaldehyde	6.27	77	305	0.064	ng	# 1
10) Phenol	6.28	94	1886	0.202	ng	# 83
11) bis(2-Chloroethyl)ether	6.37	93	1179	0.168	ng	# 80
15) Benzyl Alcohol	6.79	79	2181	0.403	ng	# 36
18) Hexachloroethane	7.17	117	140	0.049	ng	# 1
19) n-Nitroso-di-n-propylamine	7.19	70	17221	3.461	ng	# 88
22) Acetophenone	7.04	105	444	0.047	ng	# 46
24) Nitrobenzene	7.19	77	288	0.041	ng	# 39
25) Isophorone	7.19	82	135429	10.769	ng	# 67
27) 2,4-Dimethylphenol	7.73	122	107	0.017	ng	# 5
31) Naphthalene	7.94	128	7577	0.382	ng	# 97
32) Benzoic acid	7.73	122	107	0.026	ng	# 1
33) 4-Chloroaniline	7.94	127	921	0.117	ng	# 32
37) 2-Methylnaphthalene	8.63	142	4303	0.340	ng	# 95
45) 1,1'-Biphenyl	9.09	154	1550	0.106	ng	# 84
46) 2-Chloronaphthalene	9.39	162	416	0.039	ng	# 1
47) 2-Nitroaniline	9.39	65	291	0.078	ng	# 1
48) Acenaphthylene	9.53	152	3356	0.195	ng	# 100
49) Dimethylphthalate	9.39	163	36070	2.800	ng	# 98
50) 2,6-Dinitrotoluene	9.66	165	22056	7.904	ng	# 33
51) Acenaphthene	9.70	154	11541	1.135	ng	# 95
54) Dibenzofuran	9.87	168	6591	0.462	ng	# 95
55) 4-Nitrophenol	9.87	139	2426	1.005	ng	# 25
56) 2,4-Dinitrotoluene	9.66	165	22056	6.151	ng	# 32
57) Fluorene	10.21	166	9944	0.944	ng	# 87
59) Diethylphthalate	10.09	149	8283	0.660	ng	# 98
62) Azobenzene	10.45	77	132	0.012	ng	# 1
65) n-Nitrosodiphenylamine	10.33	169	227	0.021	ng	# 1
66) 4-Bromophenyl-phenylether	10.45	248	1789	0.585	ng	# 1
70) Phenanthrene	11.17	178	182106	11.183	ng	# 97
71) Anthracene	11.22	178	30657	1.862	ng	# 95

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

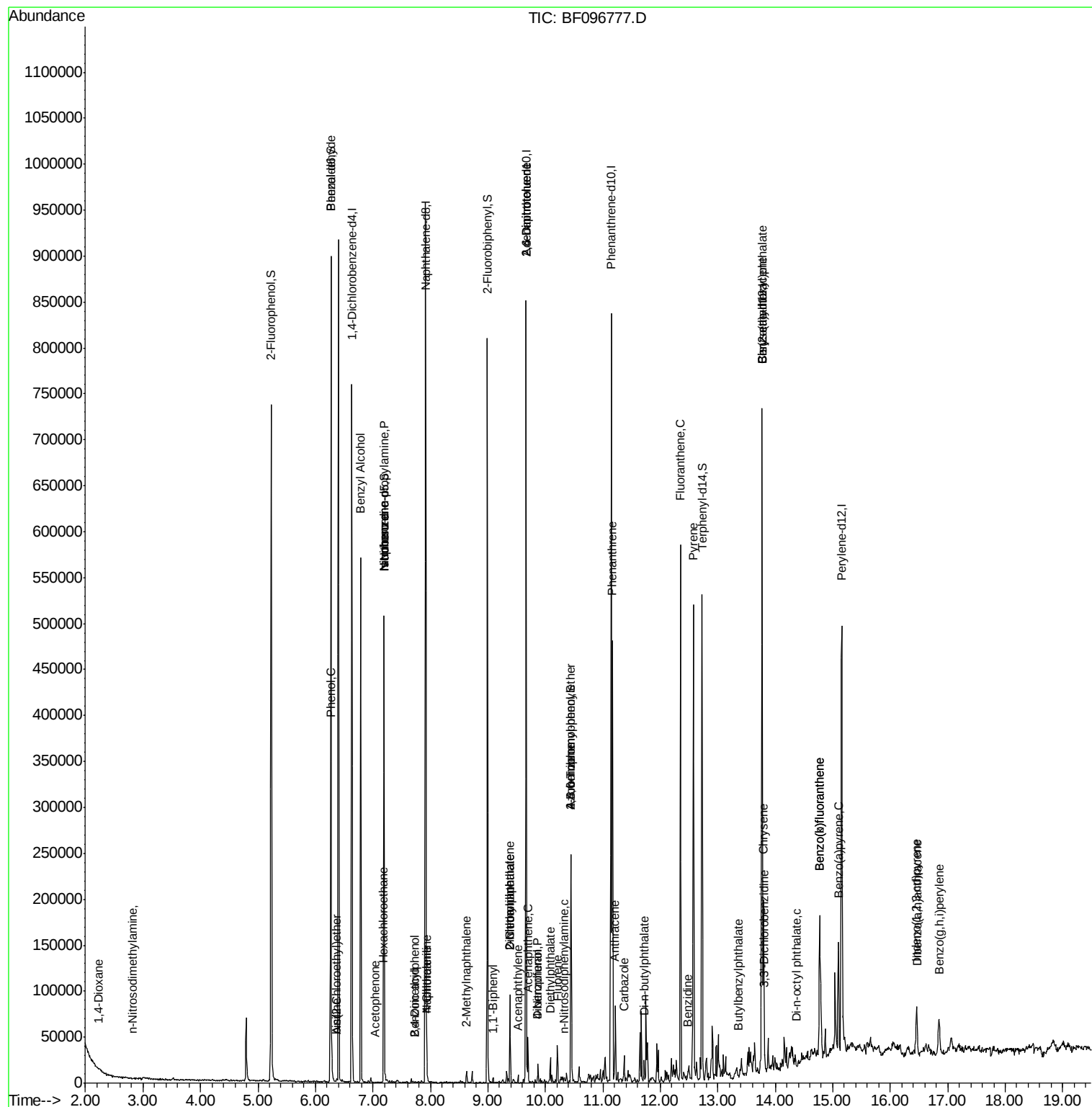
72) Carbazole	11.37	167	11473	0.720	nq	95
73) Di-n-butylphthalate	11.72	149	695	0.035	nq	# 53
74) Fluoranthene	12.35	202	212145	13.611	nq	99
76) Benzidine	12.47	184	481	0.070	nq	# 62
77) Pyrene	12.57	202	200362	10.455	nq	99
79) Butylbenzylphthalate	13.35	149	107	0.024	nq	# 32
80) Benzo(a)anthracene	13.76	228	68152	5.180	nq	99
81) 3,3'-Dichlorobenzidine	13.81	252	527	0.111	nq	# 26
82) Chrysene	13.79	228	67967	5.247	nq	96
83) Bis(2-ethylhexyl)phthalate	13.77	149	975	0.088	nq	# 52
84) Di-n-octyl phthalate	14.37	149	288	0.016	nq	# 1
85) Indeno(1,2,3-cd)pyrene	16.46	276	31979	5.891	nq	94
87) Benzo(b)fluoranthene	14.77	252	97435	8.662	nq	96
88) Benzo(k)fluoranthene	14.77	252	97435	9.148	nq	96
89) Benzo(a)pyrene	15.10	252	54649	5.297	nq	99
90) Dibenzo(a,h)anthracene	16.47	278	8737	0.920	nq	# 92
91) Benzo(g,h,i)perylene	16.84	276	30312	2.982	nq	98

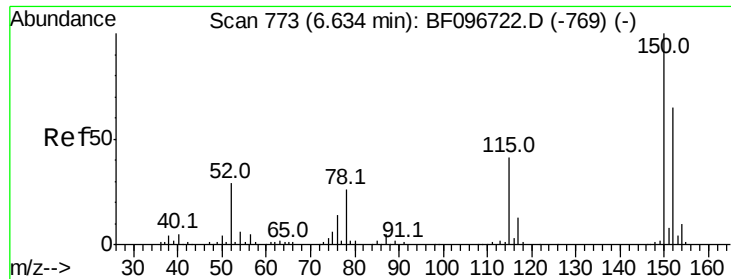
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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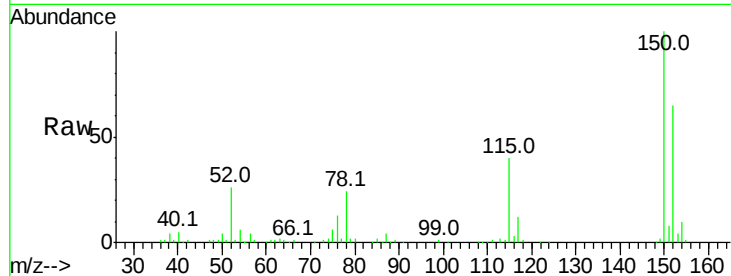


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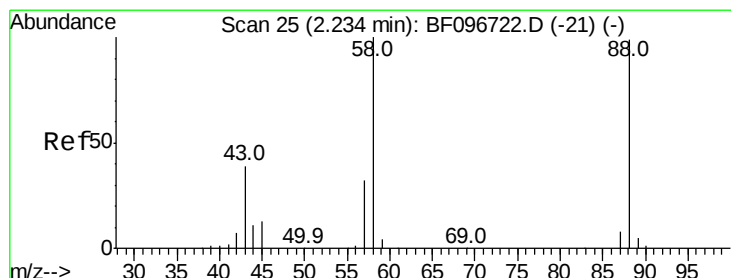
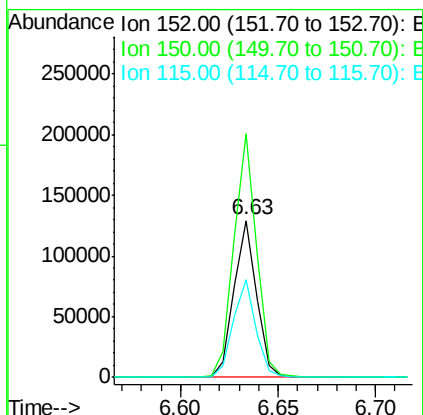
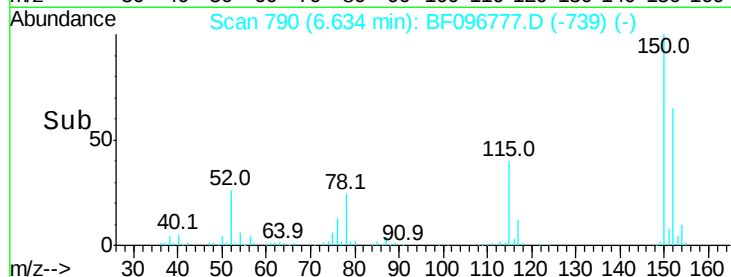
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103496
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 61.8 52.2 78.2



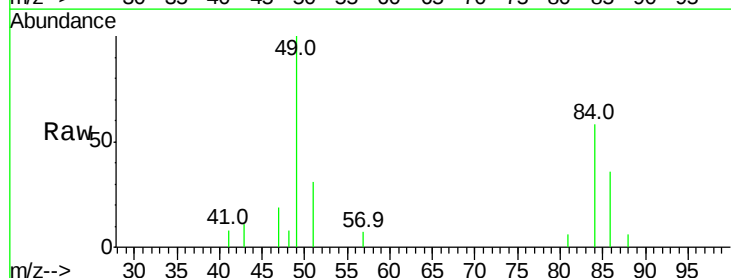
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



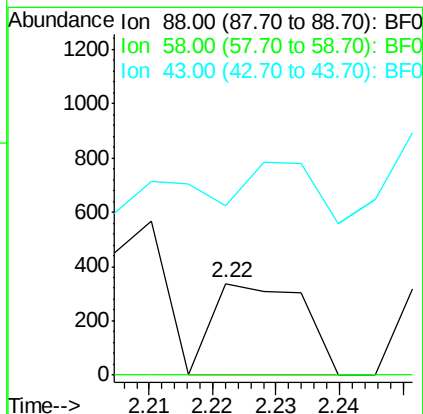
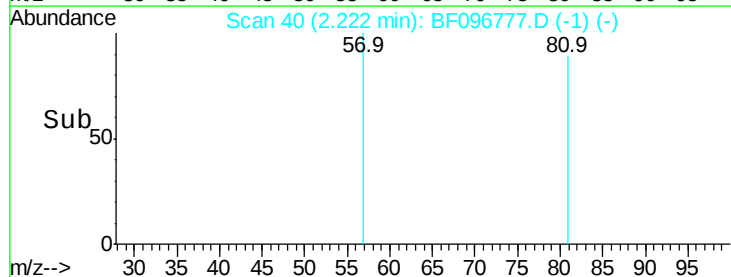
#2

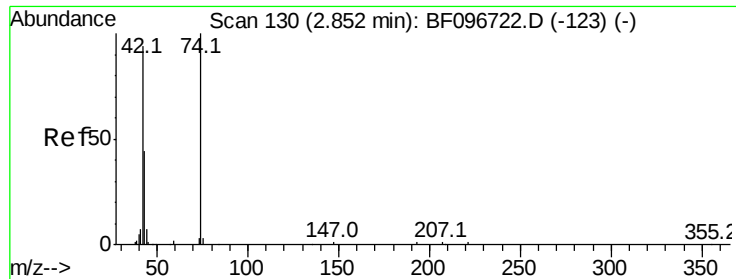
1,4-Dioxane
Concen: 0.095 ng
RT: 2.22 min Scan# 40
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



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



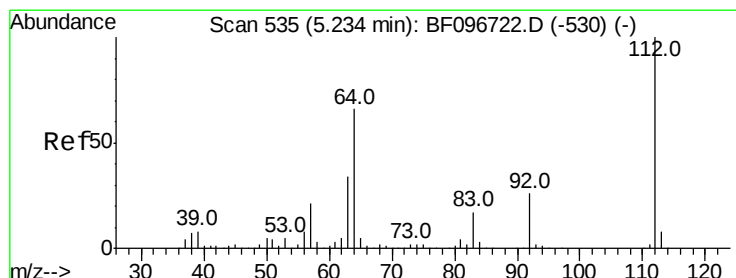
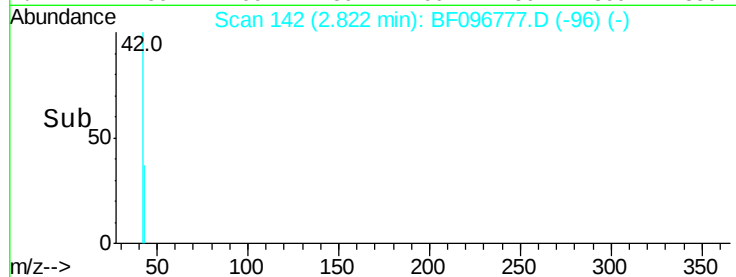
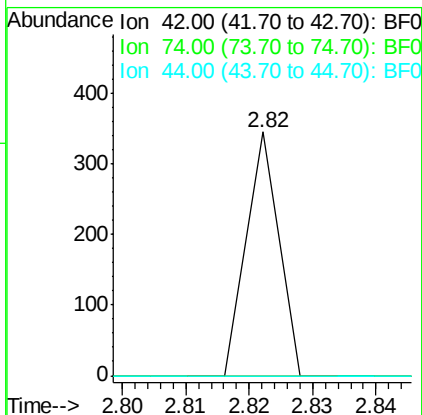
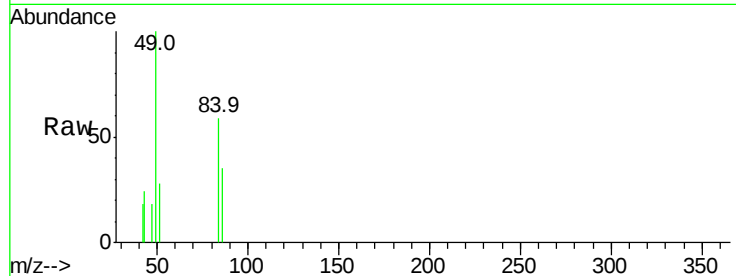


#4

n-Nitrosodimethylamine
 Concen: 0.029 ng
 RT: 2.82 min Scan# 142
 Delta R.T. -0.03 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :

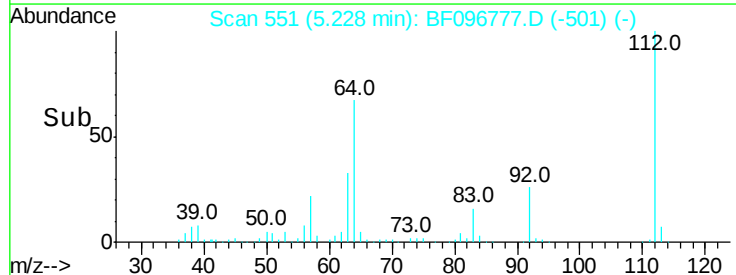
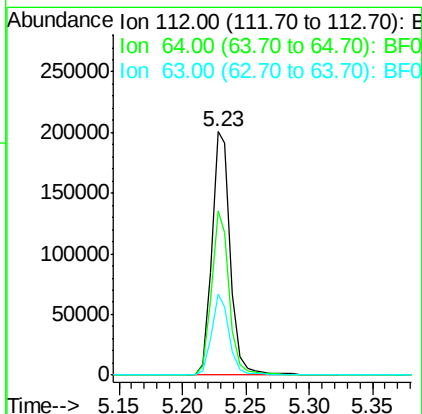
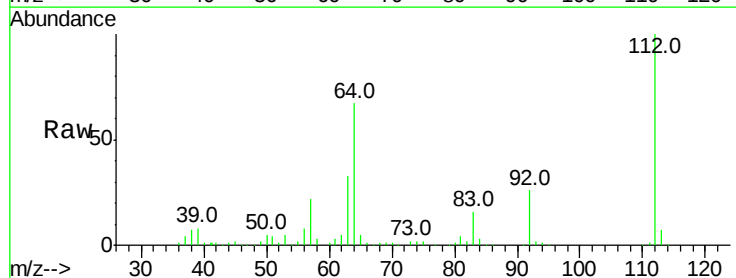
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	103.9	155.9#
44	0.0	5.7	8.5#

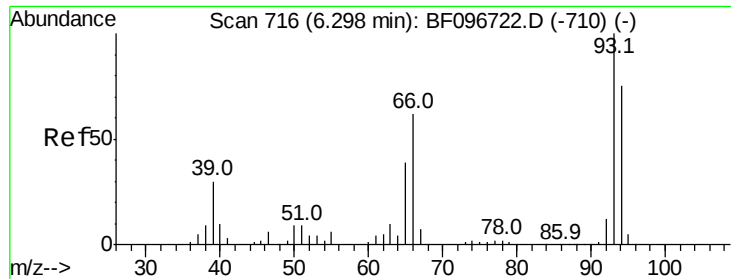


#5

2-Fluorophenol
 Concen: 30.151 ng
 RT: 5.23 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	46.0	69.0
63	33.0	23.4	35.0





#6

Aniline

Concen: 0.116 ng

RT: 6.37 min Scan# 745

Delta R.T. 0.07 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

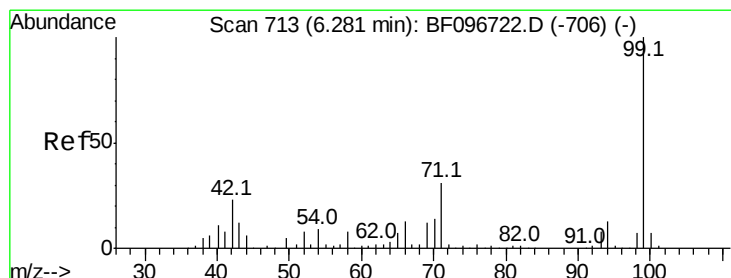
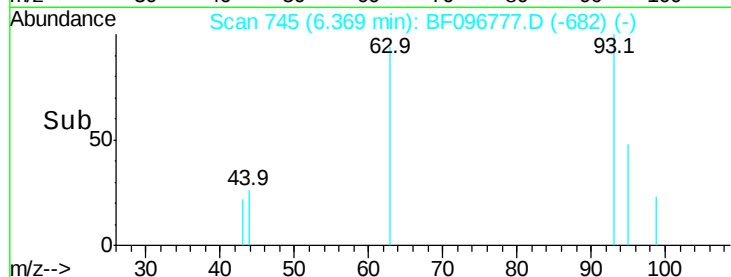
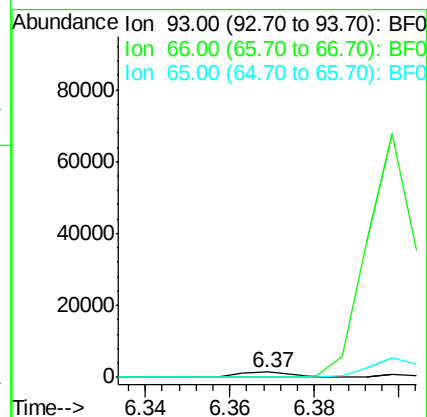
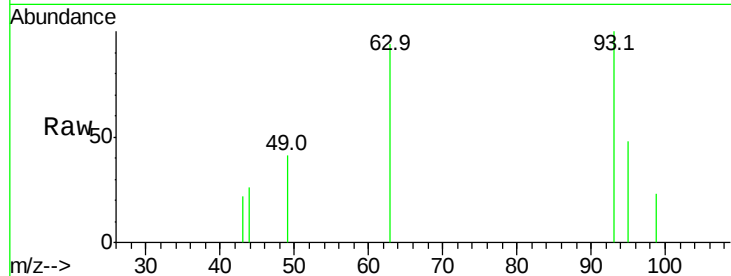
Tot Ion: 93 Resp: 1179

Ion Ratio Lower Upper

93 100

66 0.0 32.9 49.3#

65 0.0 16.0 24.0#



#7

Phenol-d6

Concen: 30.961 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

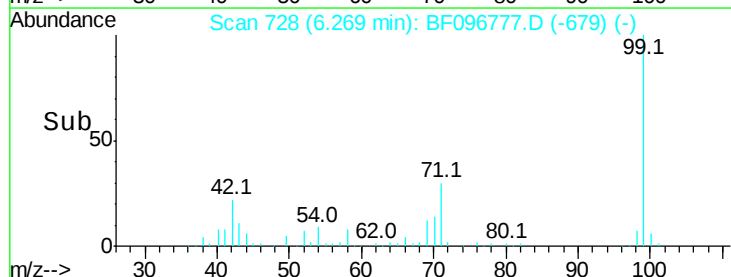
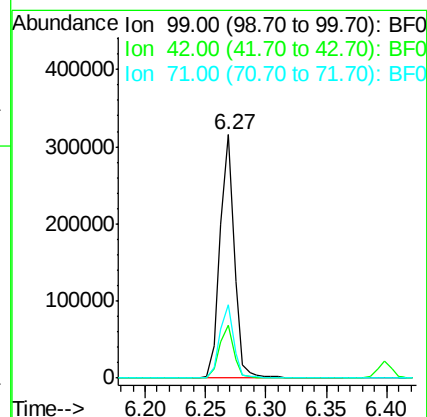
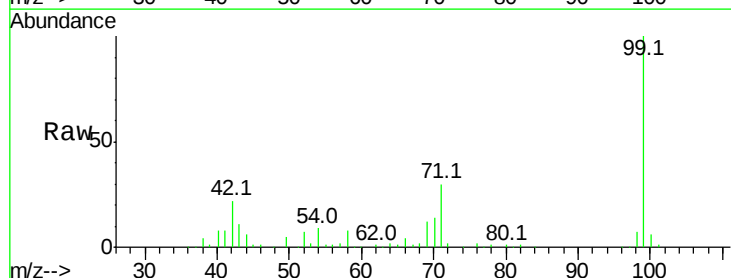
Tgt Ion: 99 Resp: 255744

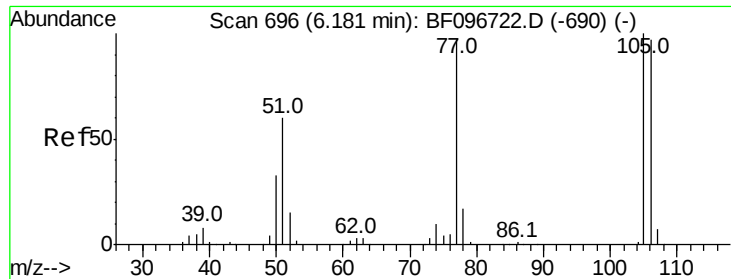
Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

71 30.2 24.5 36.7

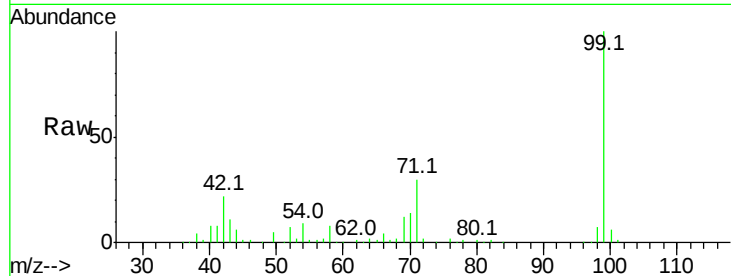




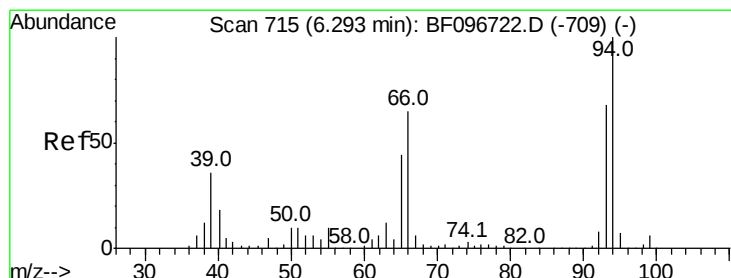
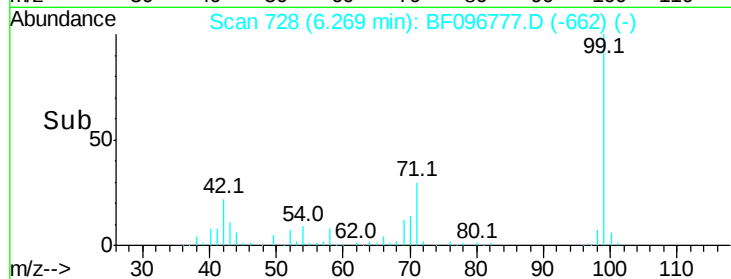
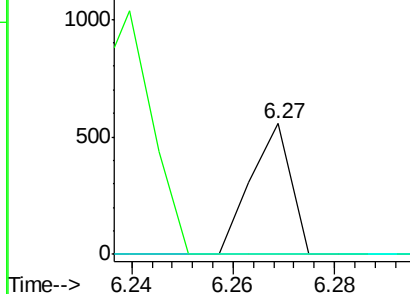
#9
Benzaldehydve
Concen: 0.064 ng
RT: 6.27 min Scan# 728
Delta R.T. 0.09 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 305
Ion Ratio Lower Upper
77 100
105 0.0 83.8 123.8#
106 0.0 79.1 119.1#

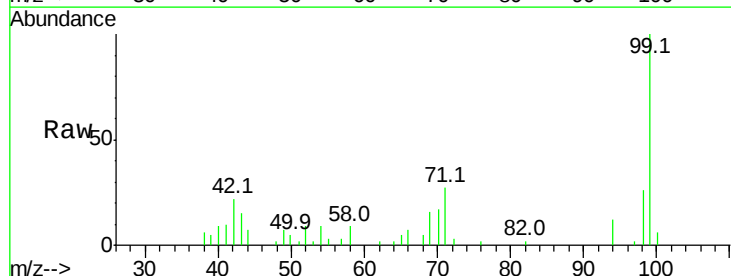


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

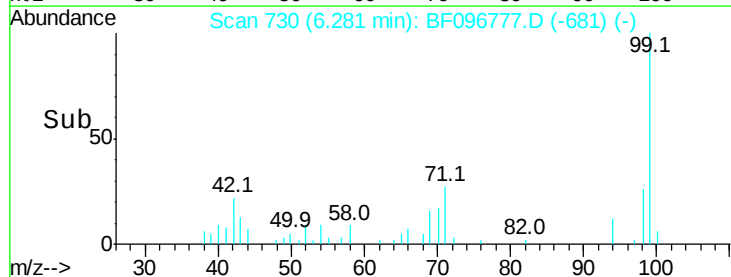
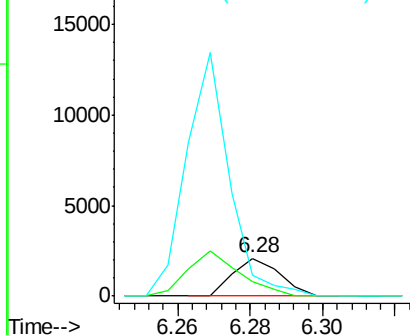


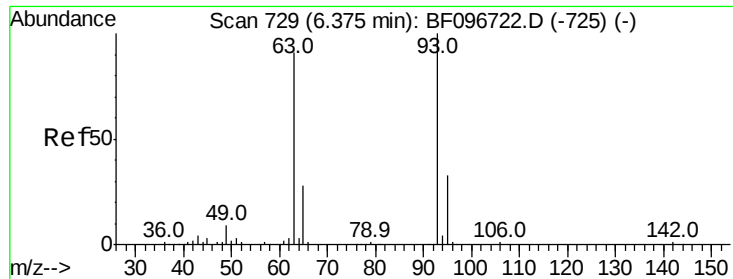
#10
Phenol
Concen: 0.202 ng
RT: 6.28 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion: 94 Resp: 1886
Ion Ratio Lower Upper
94 100
65 37.8 9.9 49.9
66 54.8 23.1 63.1



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: 0.168 ng

RT: 6.37 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

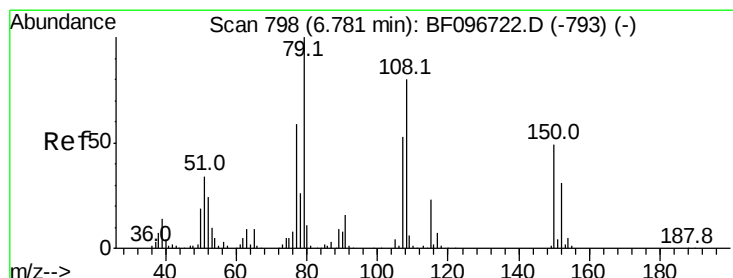
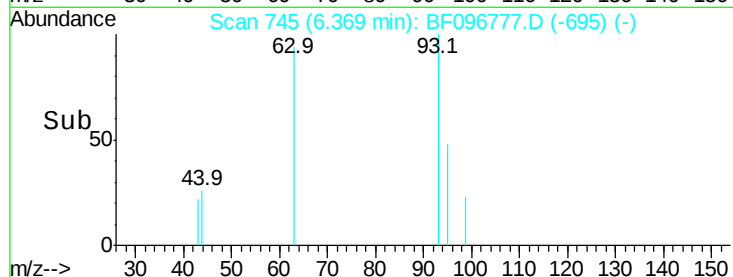
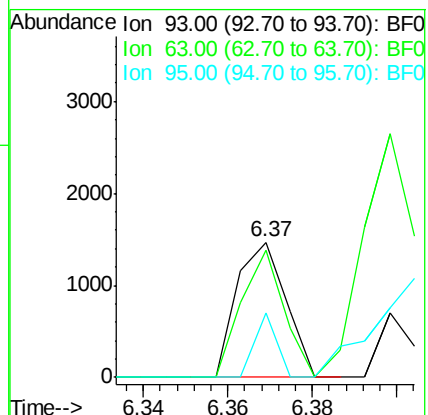
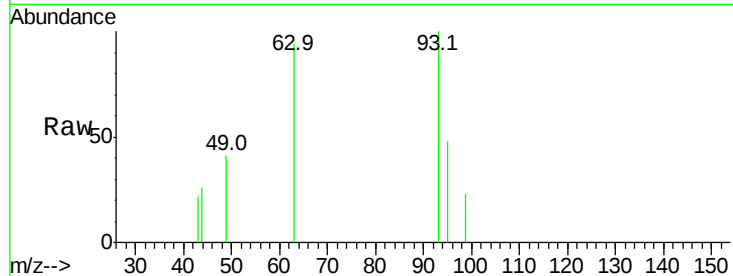
Tot Ion: 93 Resp: 1179

Ion Ratio Lower Upper

93 100

63 94.0 59.2 99.2

95 47.6 12.8 52.8



#15

Benzyl Alcohol

Concen: 0.403 ng

RT: 6.79 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

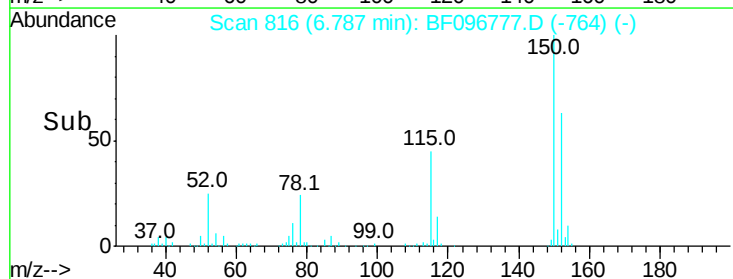
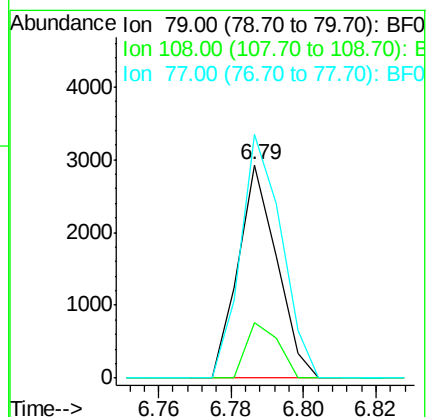
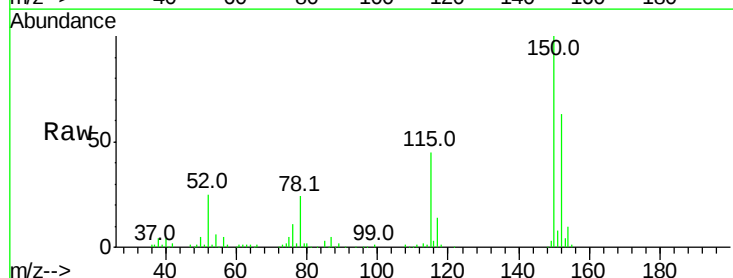
Tgt Ion: 79 Resp: 2181

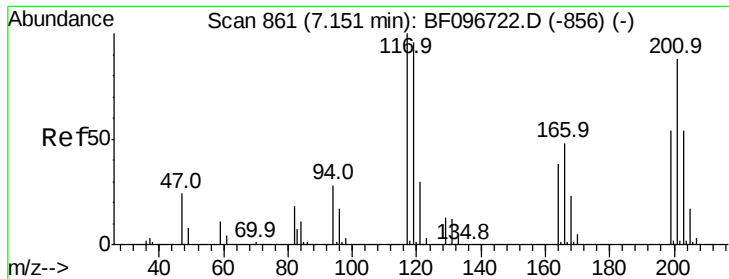
Ion Ratio Lower Upper

79 100

108 26.0 63.4 95.0#

77 114.2 49.2 73.8#

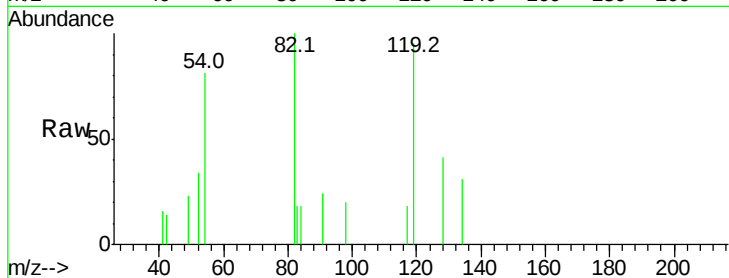




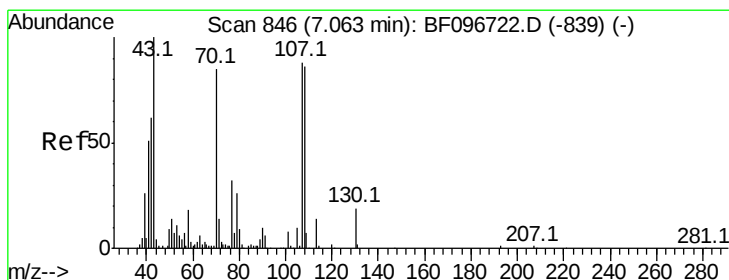
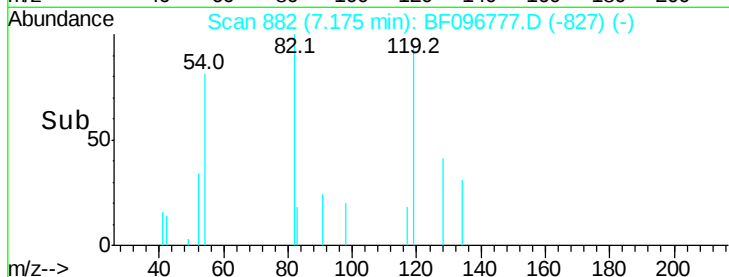
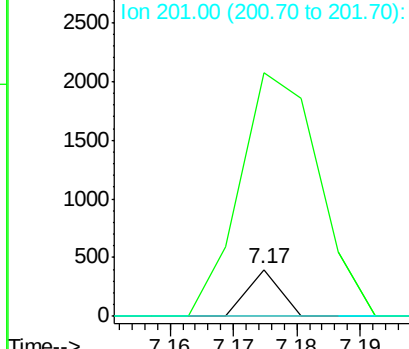
#18
Hexachloroethane
Concen: 0.049 ng
RT: 7.17 min Scan# 882
Delta R.T. 0.02 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 140
Ion Ratio Lower Upper
117 100
119 523.5 77.4 116.0#
201 0.0 94.6 141.8#

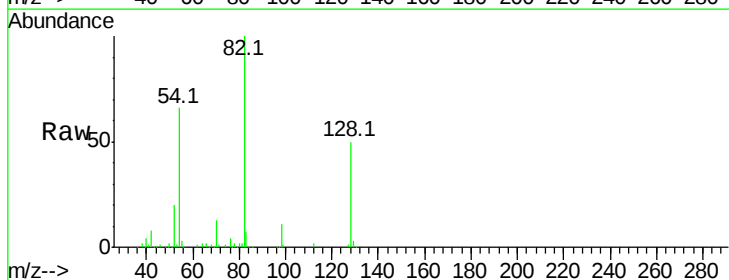


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

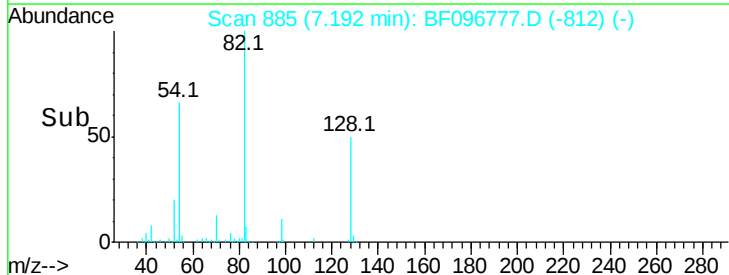
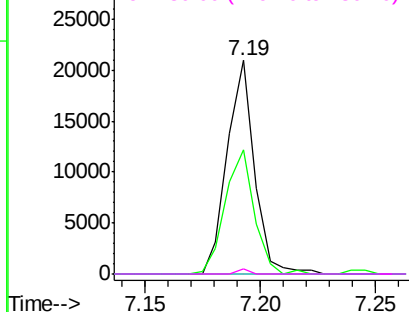


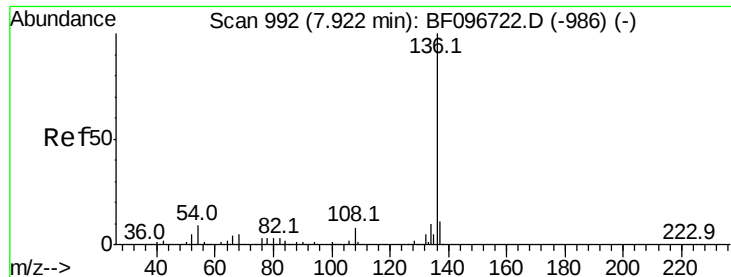
#19
n-Nitroso-di-n-propylamine
Concen: 3.461 ng
RT: 7.19 min Scan# 885
Delta R.T. 0.13 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion: 70 Resp: 17221
Ion Ratio Lower Upper
70 100
42 57.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 418729

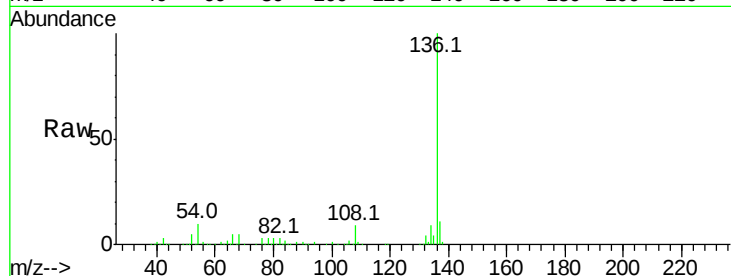
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.4 4.9 7.3#

68 5.3 4.1 6.1

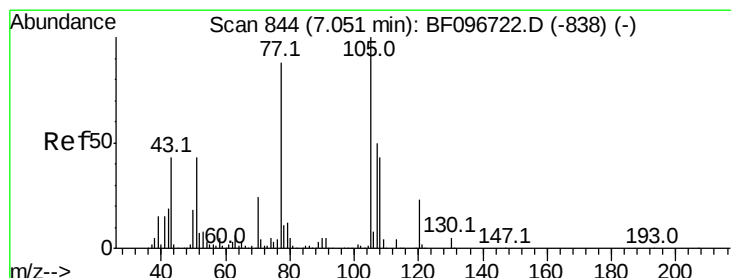
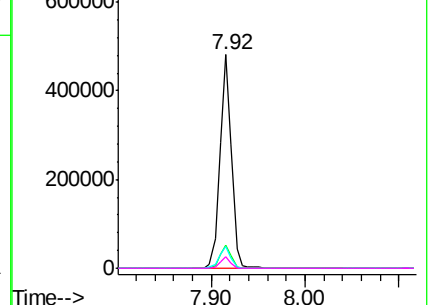
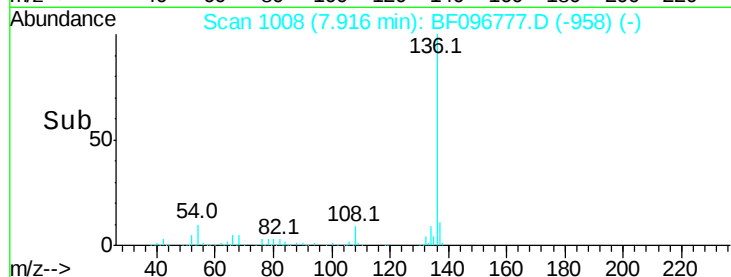


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 0.047 ng

RT: 7.04 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Tgt Ion:105 Resp: 444

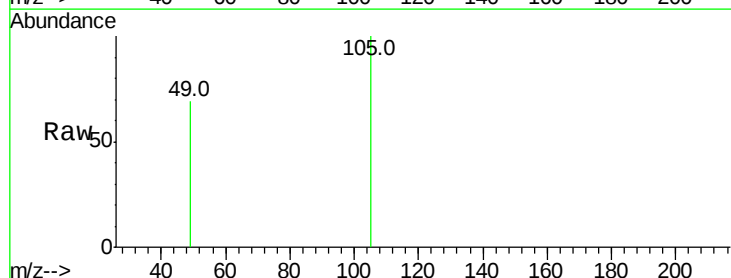
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#

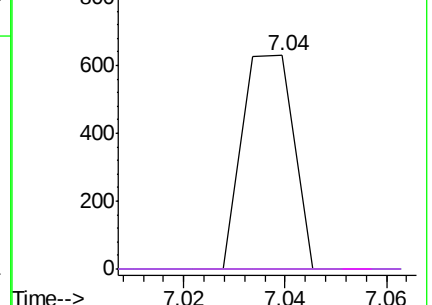
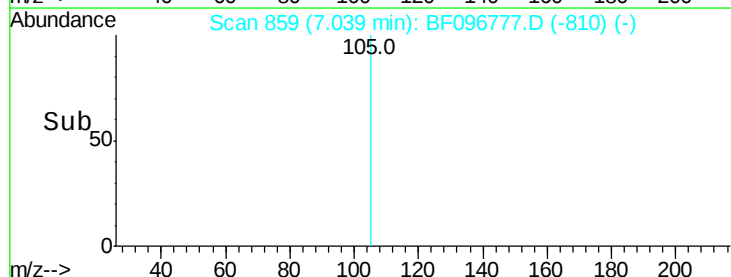


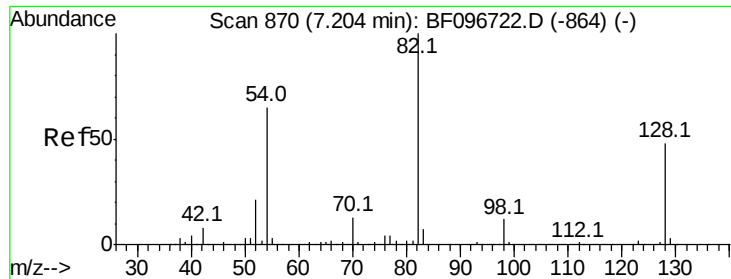
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

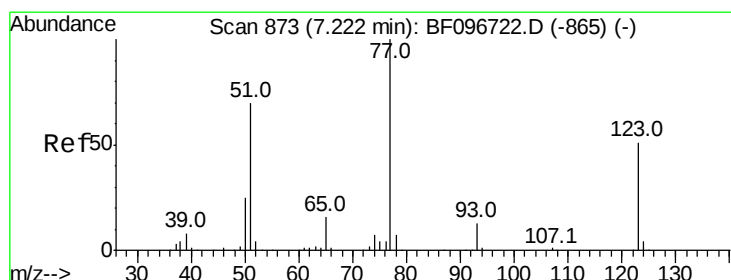
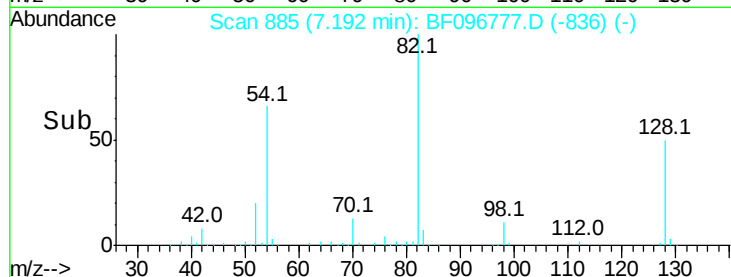
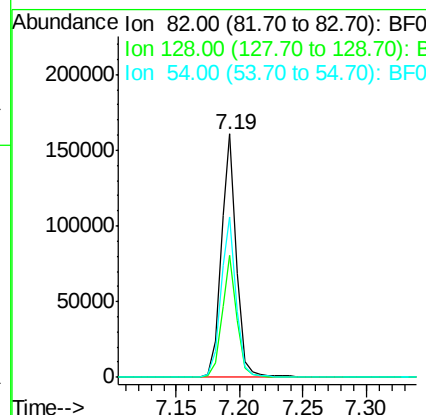
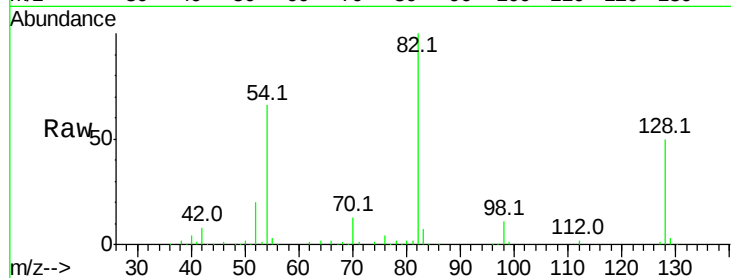




#23
Nitrobenzene-d5
Concen: 20.148 ng
RT: 7.19 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

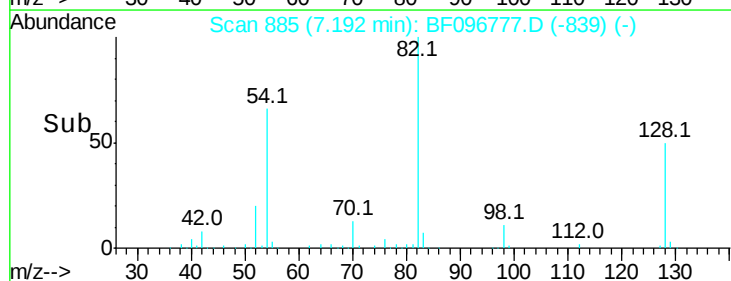
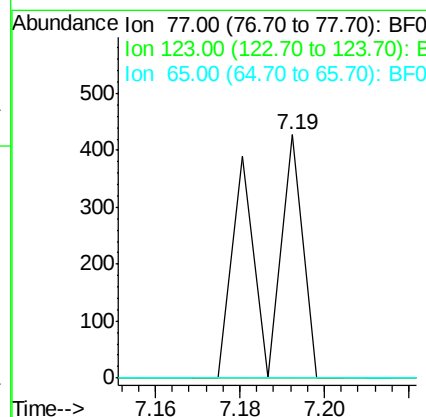
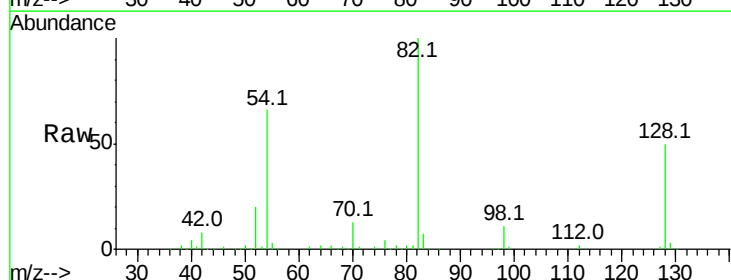
Instrument :
BNA_F
ClientSampleId :

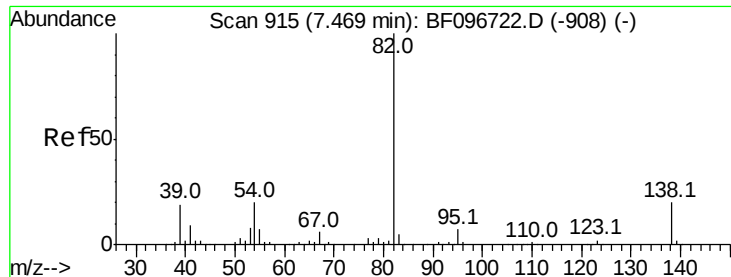
Tot Ion: 82 Resp: 136205
Ion Ratio Lower Upper
82 100
128 50.3 34.0 51.0
54 65.7 42.2 63.2#



#24
Nitrobenzene
Concen: 0.041 ng
RT: 7.19 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion: 77 Resp: 288
Ion Ratio Lower Upper
77 100
123 0.0 35.8 53.8#
65 0.0 10.6 15.8#





#25

Isophorone

Concen: 10.769 ng

RT: 7.19 min Scan# 885

Delta R.T. -0.28 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

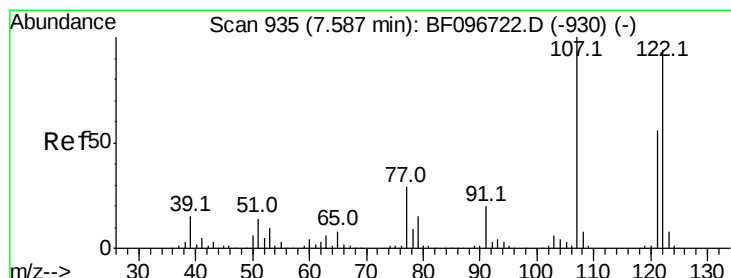
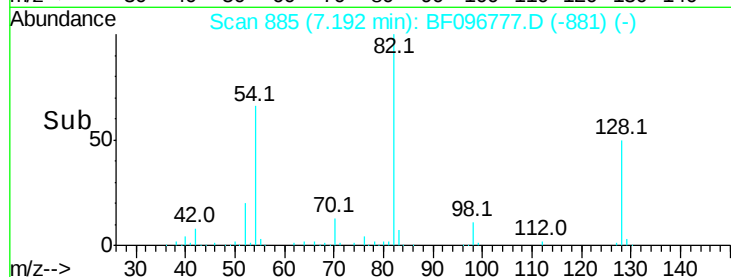
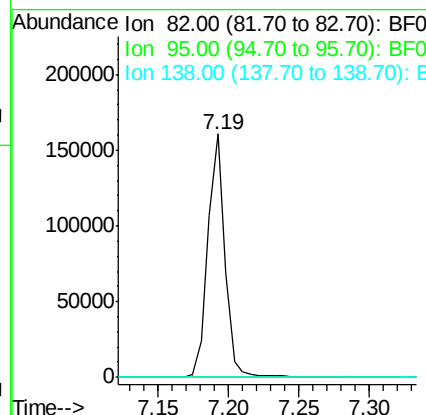
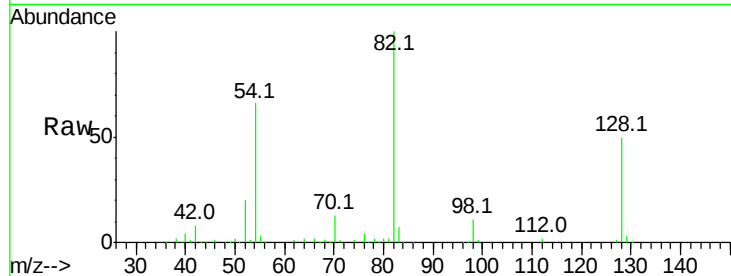
Tot Ion: 82 Resp: 135429

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#27

2,4-Dimethylphenol

Concen: 0.017 ng

RT: 7.73 min Scan# 976

Delta R.T. 0.14 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

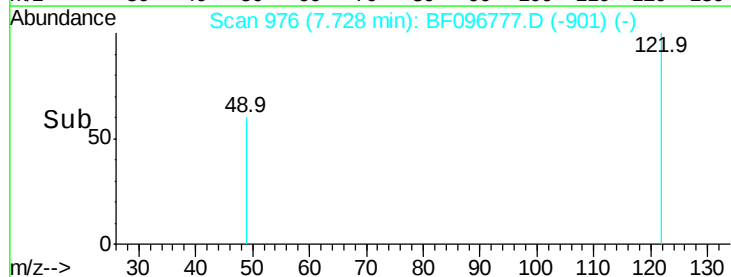
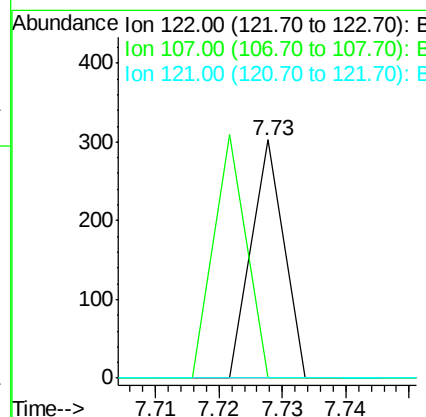
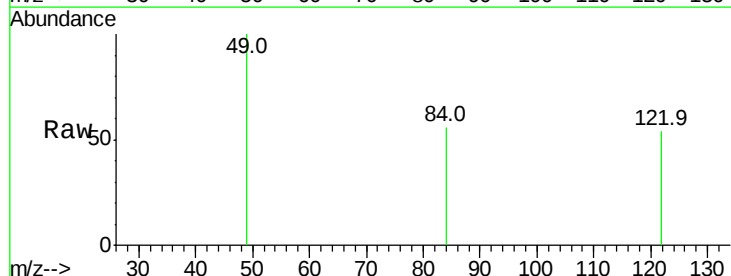
Tgt Ion:122 Resp: 107

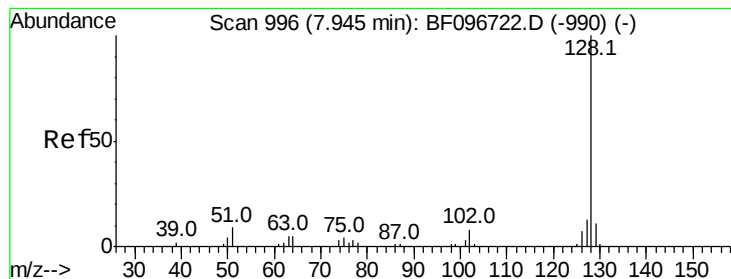
Ion Ratio Lower Upper

122 100

107 0.0 89.2 133.8#

121 0.0 45.2 67.8#





#31

Naphthalene

Concen: 0.382 ng

RT: 7.94 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

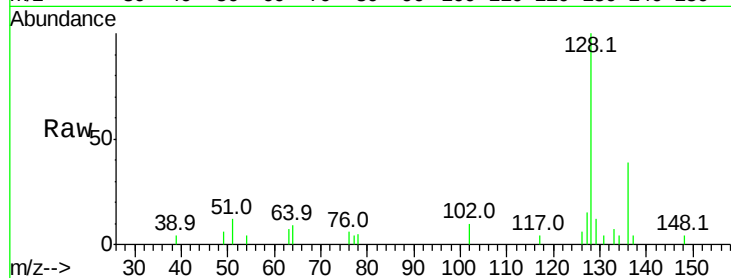
Tot Ion:128 Resp: 7577

Ion Ratio Lower Upper

128 100

129 12.4 9.0 13.6

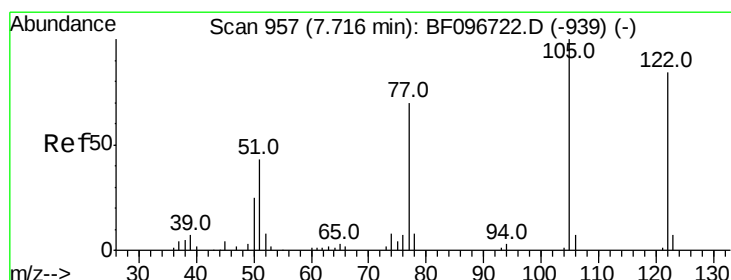
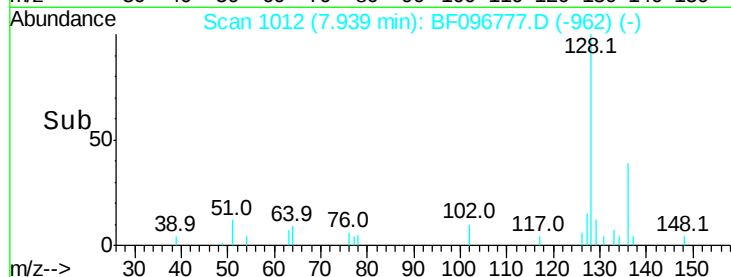
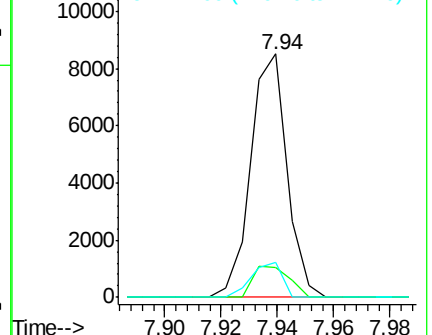
127 14.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.026 ng

RT: 7.73 min Scan# 976

Delta R.T. 0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

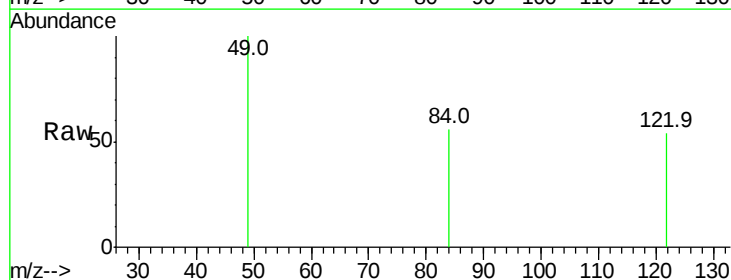
Tgt Ion:122 Resp: 107

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

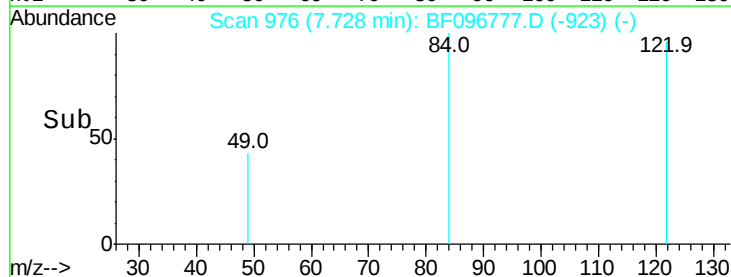
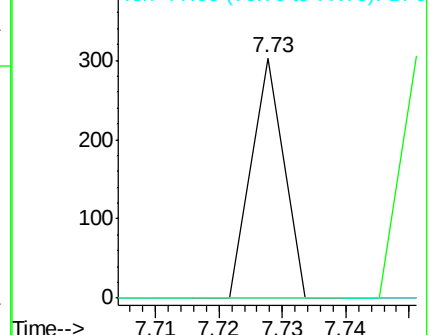
77 0.0 73.7 113.7#

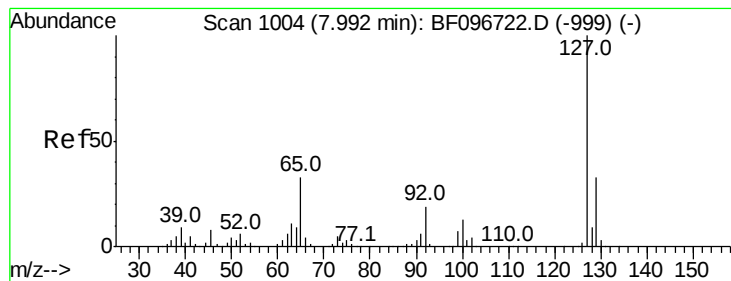


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 0.117 ng

RT: 7.94 min Scan# 1012

Delta R.T. -0.05 min

Lab File: BF096777.D

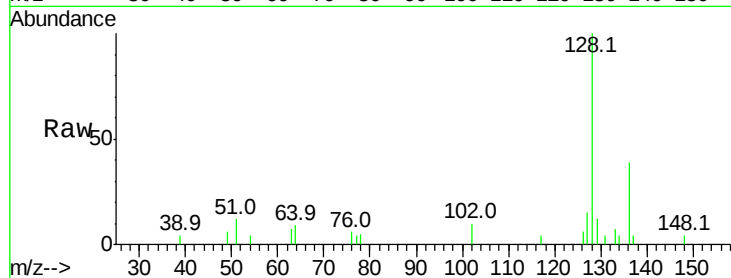
Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	127	Resp:	921
Ion	Ratio	Lower	Upper
127	100		
129	84.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

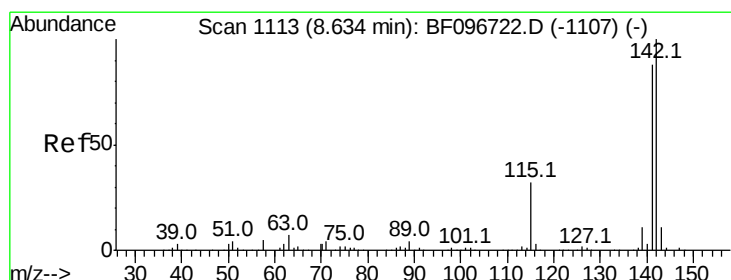
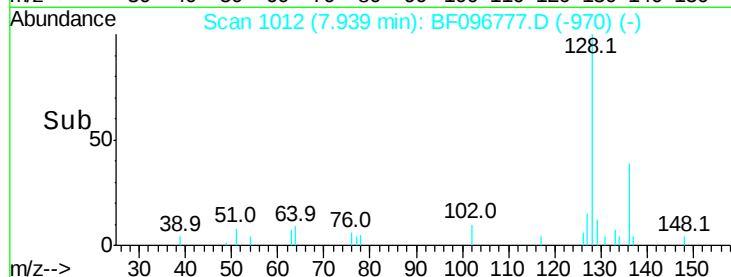
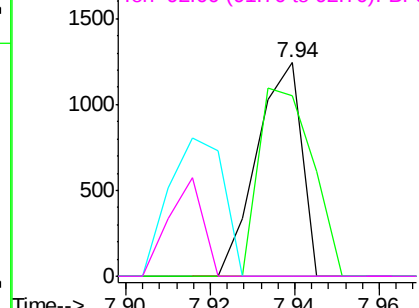


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#37

2-Methylnaphthalene

Concen: 0.340 ng

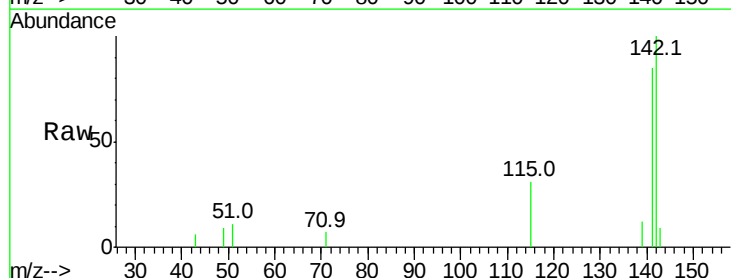
RT: 8.63 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

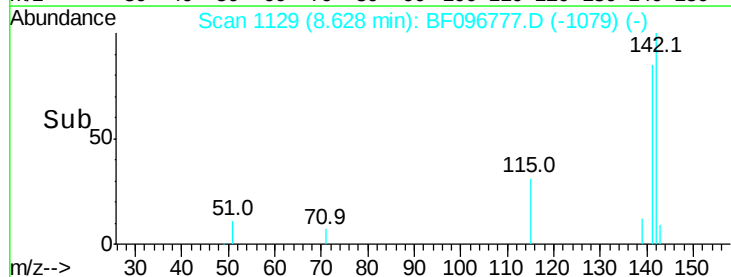
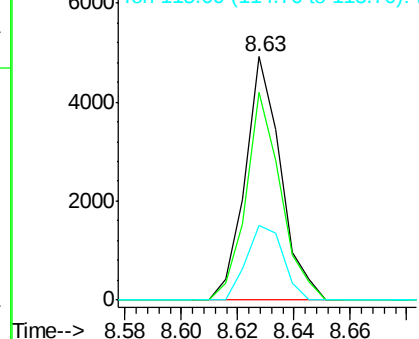
Tgt Ion:	142	Resp:	4303
Ion	Ratio	Lower	Upper
142	100		
141	85.1	71.3	106.9
115	30.9	27.1	40.7

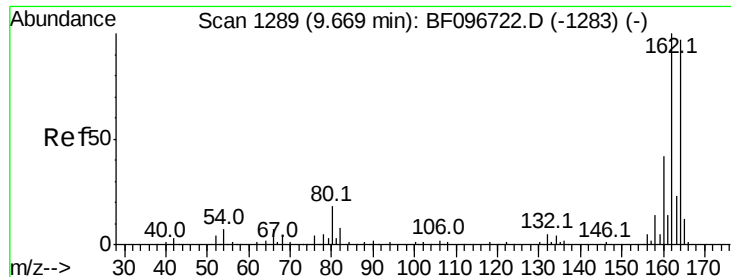


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

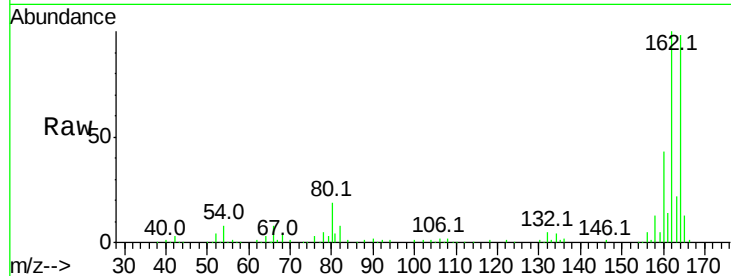




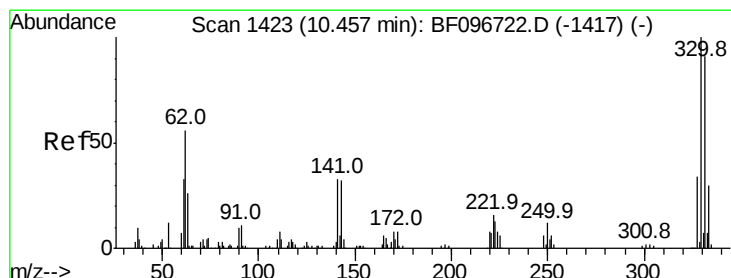
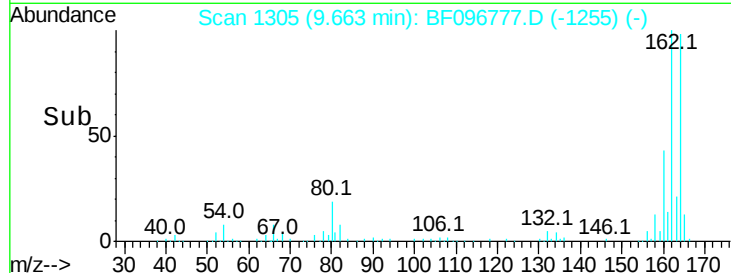
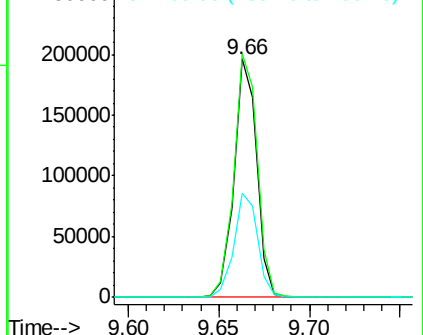
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.66 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 171088
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.6 123.8
 160 43.6 36.2 54.2

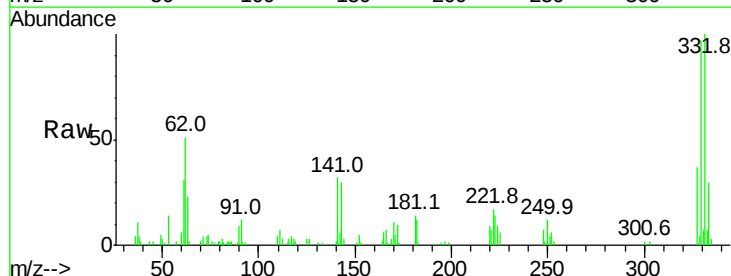


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

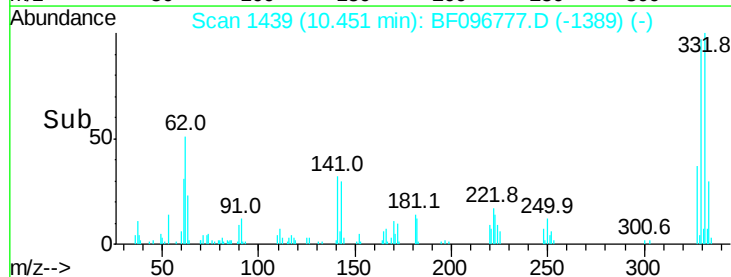
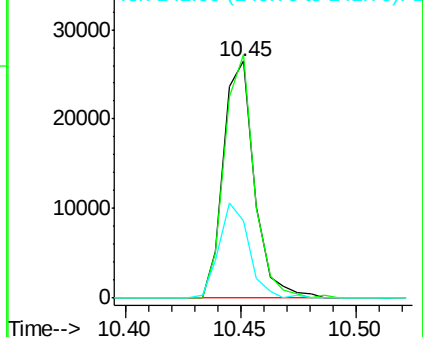


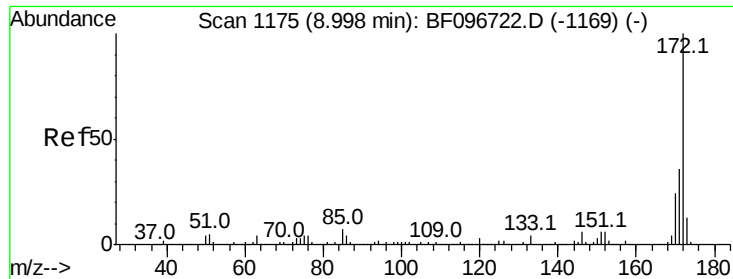
#41
 2,4,6-Tribromophenol
 Concen: 16.965 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion:330 Resp: 24776
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 38.8 31.4 47.2



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

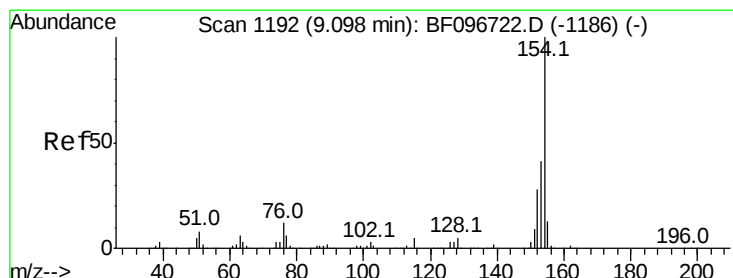
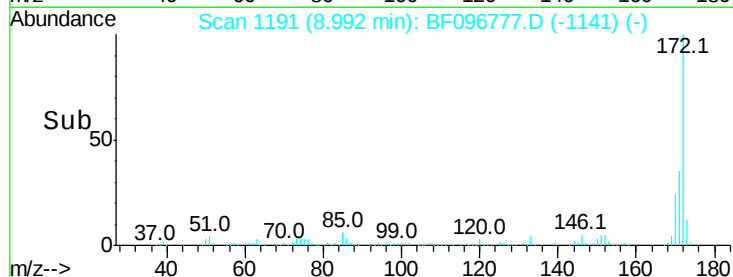
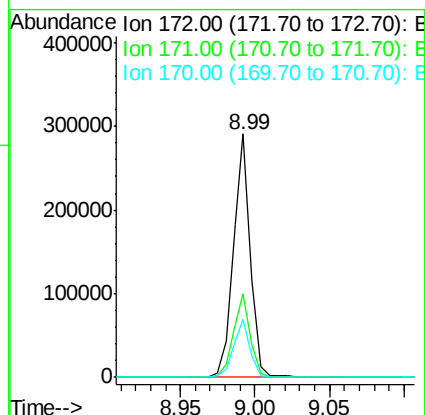
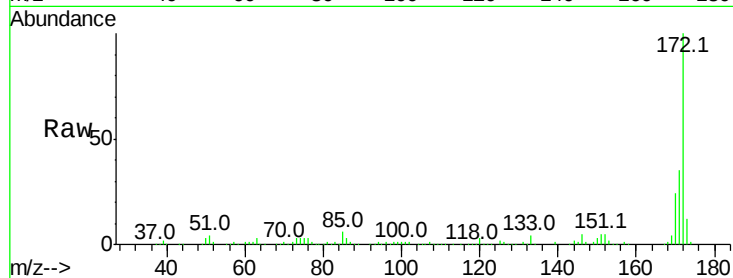




#44
 2-Fluorobiphenyl
 Concen: 21.495 ng
 RT: 8.99 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

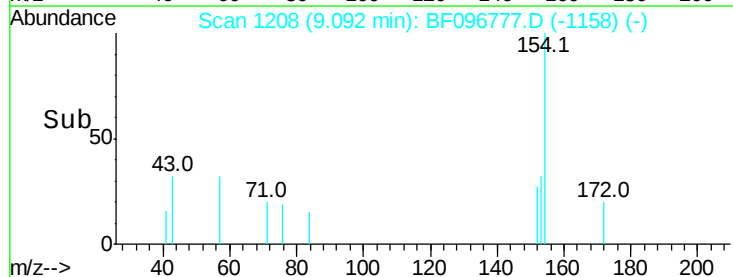
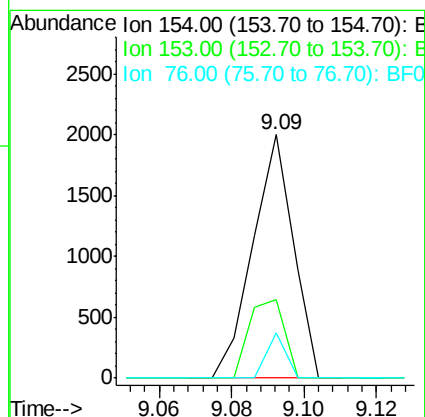
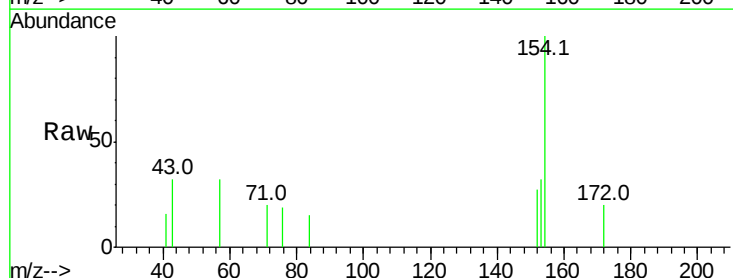
Instrument :
 BNA_F
 ClientSampleId :

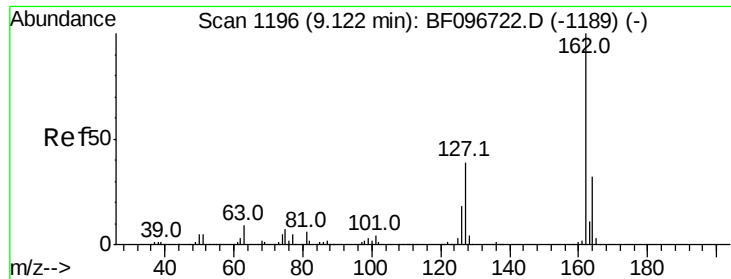
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	23.9	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 0.106 ng
 RT: 9.09 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	32.1	21.2	61.2
76	18.7	0.0	29.9

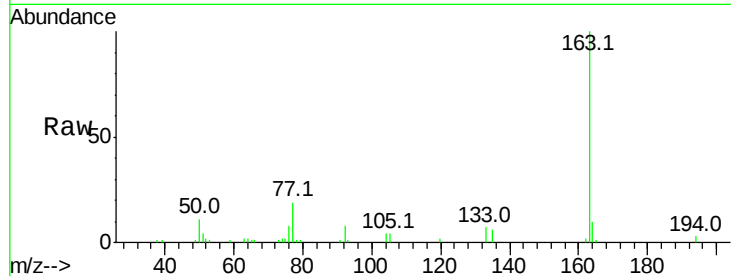




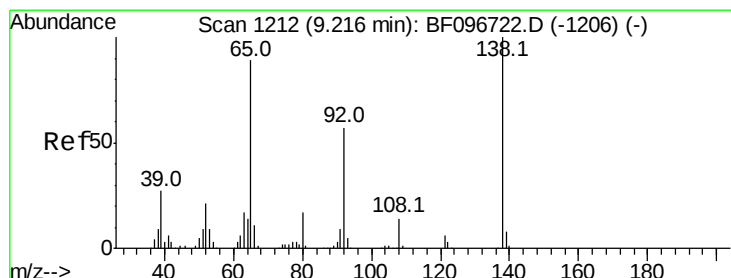
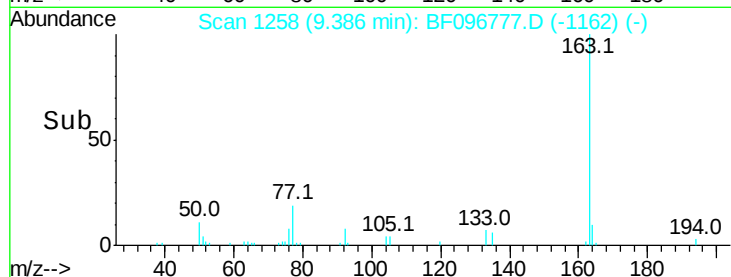
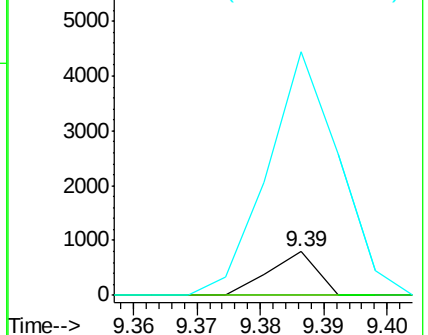
#46
2-Chloronaphthalene
Concen: 0.039 ng
RT: 9.39 min Scan# 1258
Delta R.T. 0.26 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 416
Ion Ratio Lower Upper
162 100
127 0.0 28.3 42.5#
164 555.0 27.0 40.4#

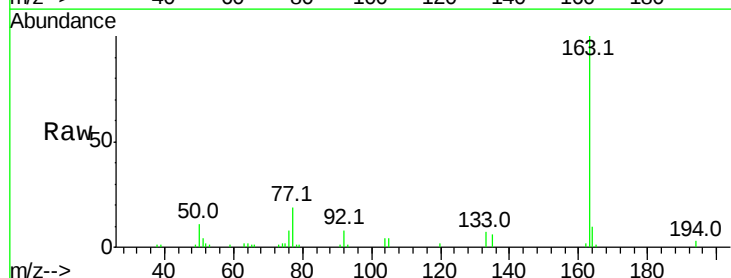


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

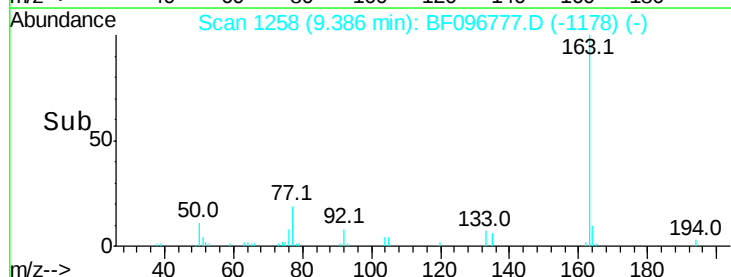
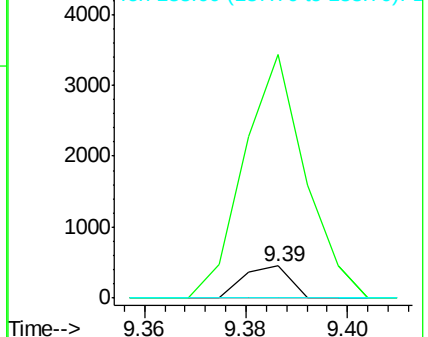


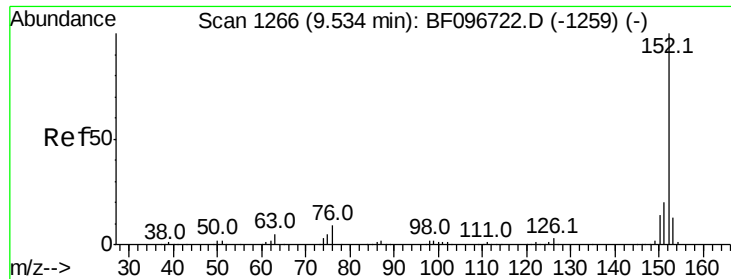
#47
2-Nitroaniline
Concen: 0.078 ng
RT: 9.39 min Scan# 1258
Delta R.T. 0.17 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion: 65 Resp: 291
Ion Ratio Lower Upper
65 100
92 759.3 53.9 80.9#
138 0.0 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.195 ng

RT: 9.53 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampled :

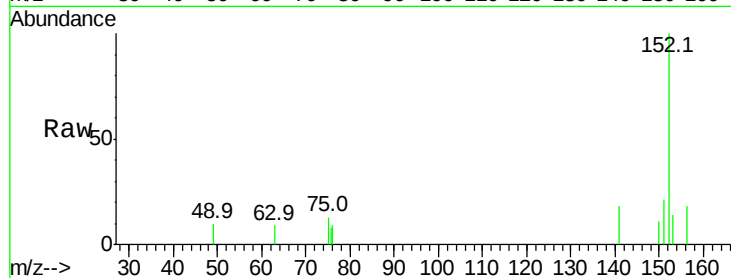
Tot Ion:152 Resp: 3356

Ion Ratio Lower Upper

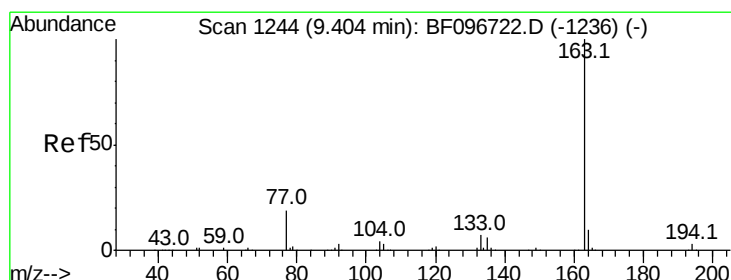
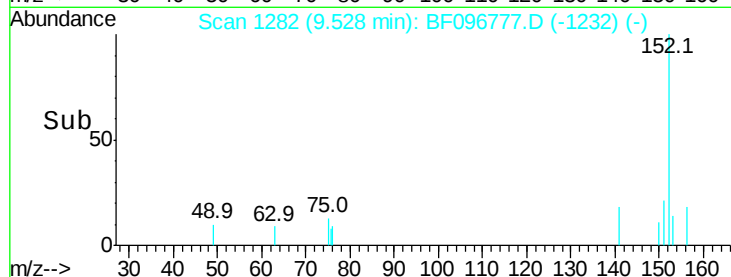
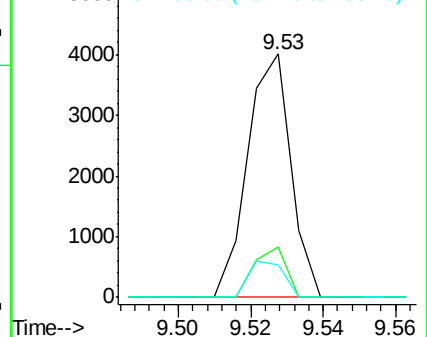
152 100

151 20.7 16.8 25.2

153 13.5 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.800 ng

RT: 9.39 min Scan# 1258

Delta R.T. -0.02 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

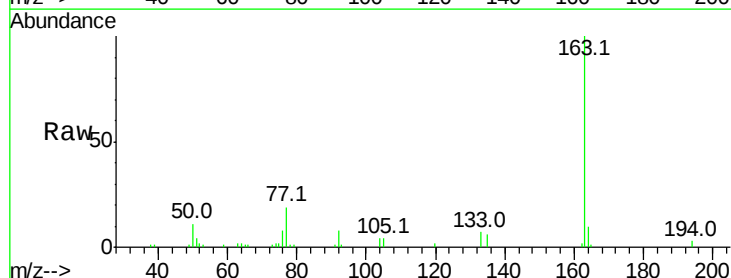
Tgt Ion:163 Resp: 36070

Ion Ratio Lower Upper

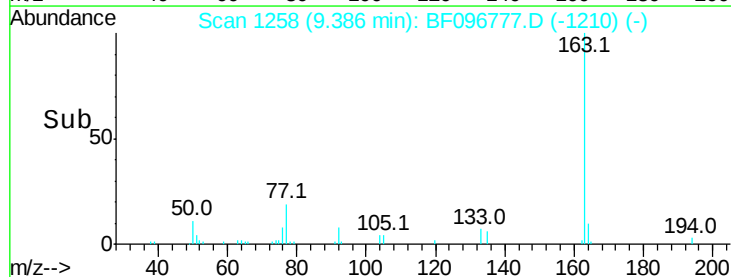
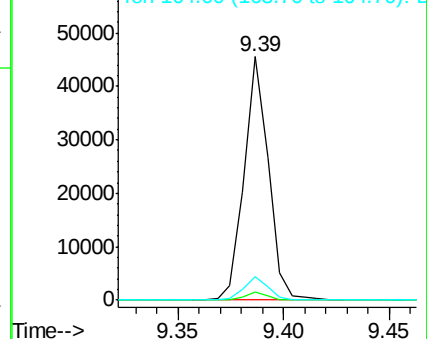
163 100

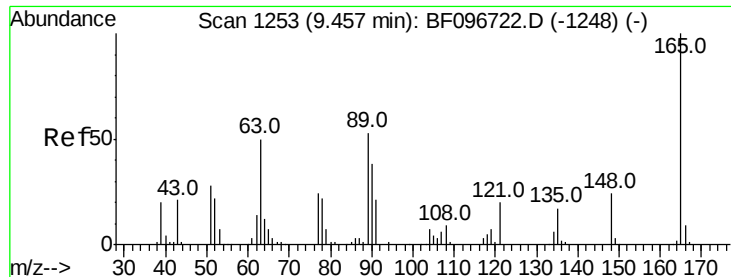
194 3.1 2.6 4.0

164 9.7 8.4 12.6



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: 7.904 ng

RT: 9.66 min Scan# 1305

Delta R.T. 0.21 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

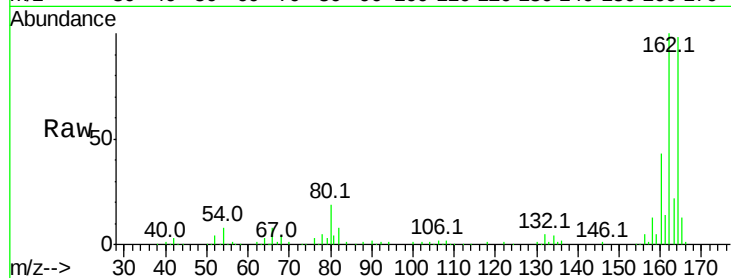
Tot Ion:165 Resp: 22056

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

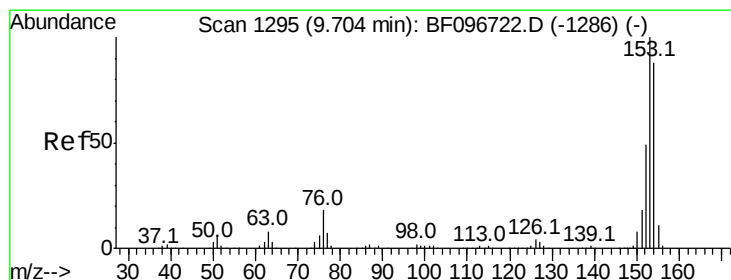
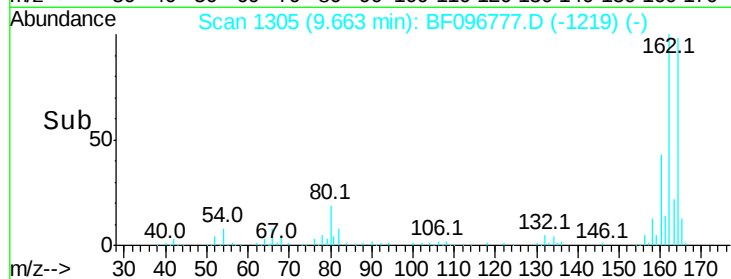
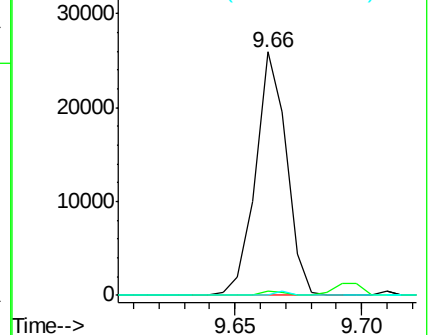
89 0.0 37.1 55.7#



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: 1.135 ng

RT: 9.70 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

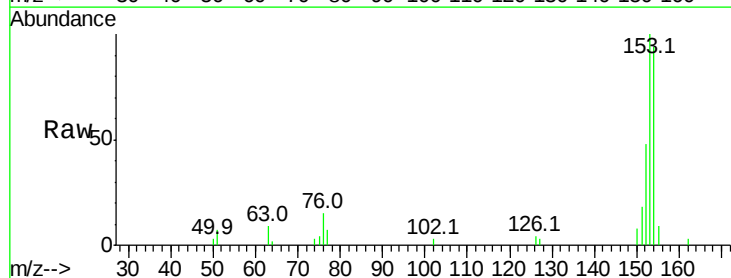
Tgt Ion:154 Resp: 11541

Ion Ratio Lower Upper

154 100

153 106.8 90.5 135.7

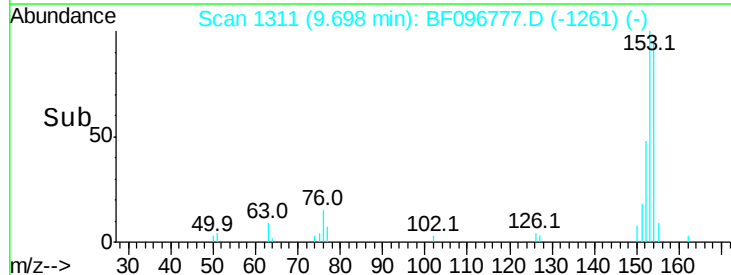
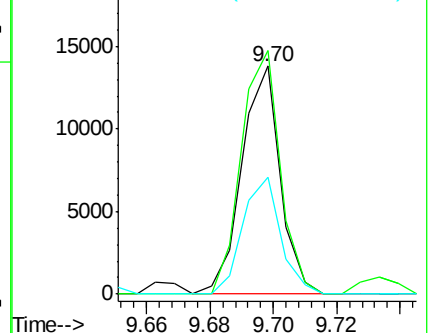
152 51.4 43.6 65.4

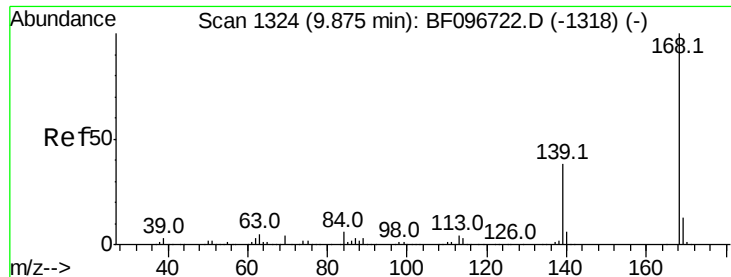


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

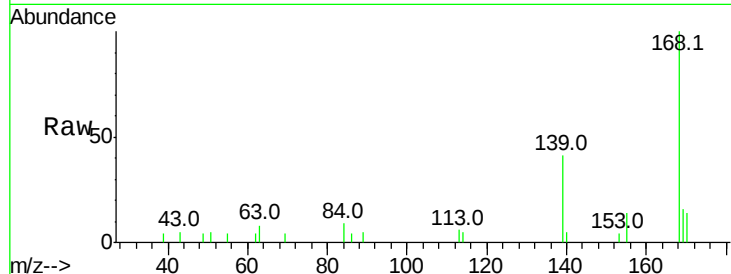




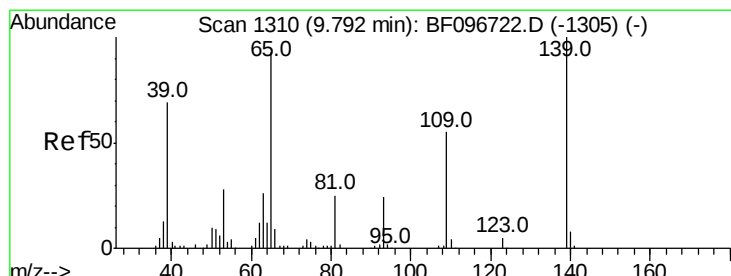
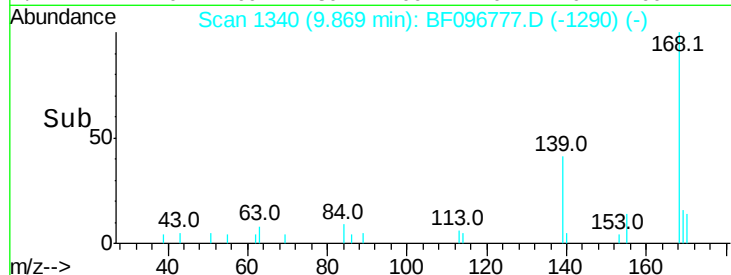
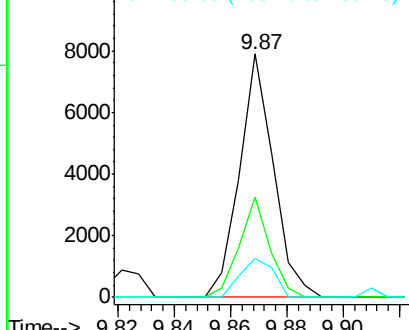
#54
Dibenzofuran
Concen: 0.462 ng
RT: 9.87 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 6591
Ion Ratio Lower Upper
168 100
139 41.0 30.6 45.8
169 15.9 10.8 16.2

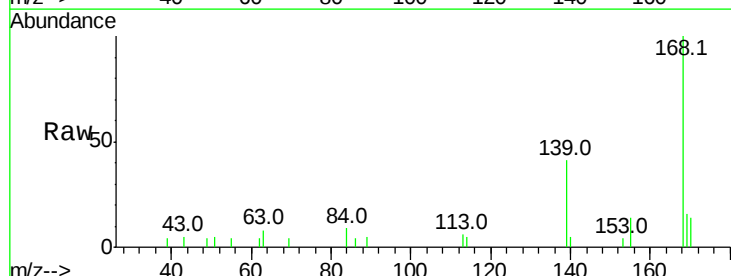


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

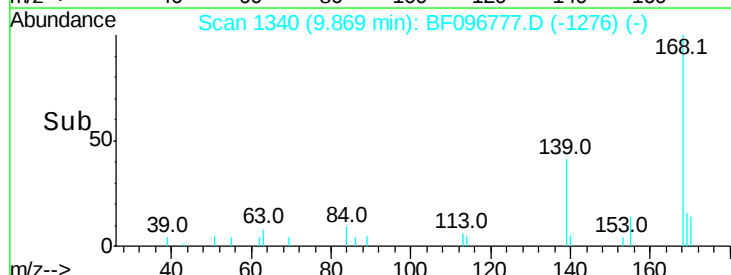
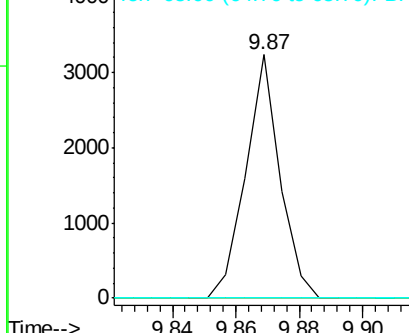


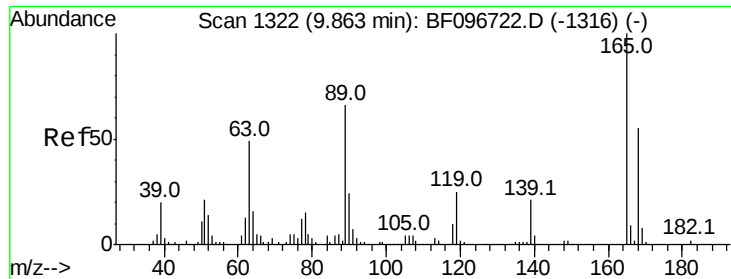
#55
4-Nitrophenol
Concen: 1.005 ng
RT: 9.87 min Scan# 1340
Delta R.T. 0.08 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion:139 Resp: 2426
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



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

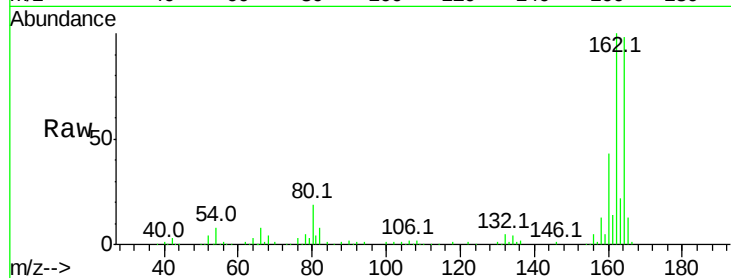




#56
2,4-Dinitrotoluene
Concen: 6.151 ng
RT: 9.66 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

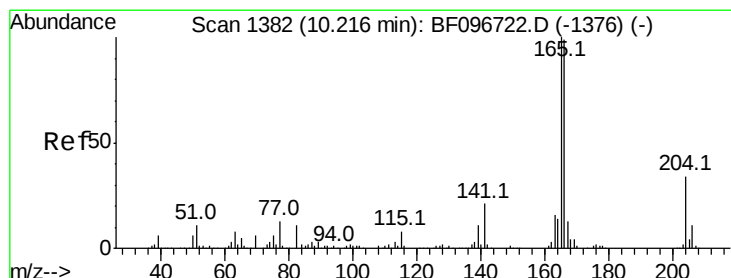
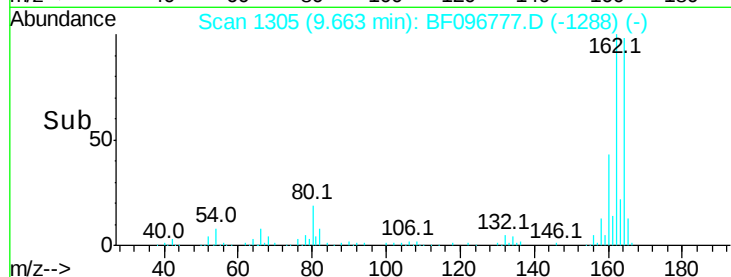
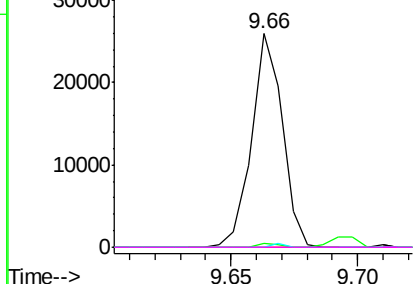


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

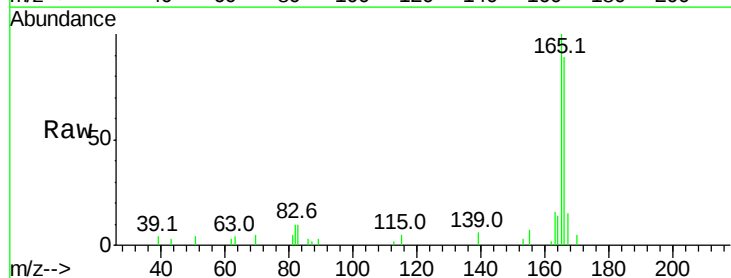
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 0.944 ng
RT: 10.21 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

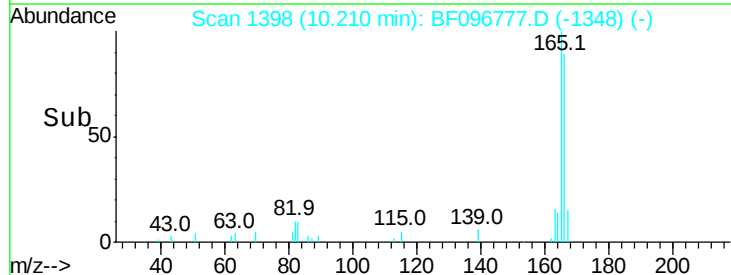
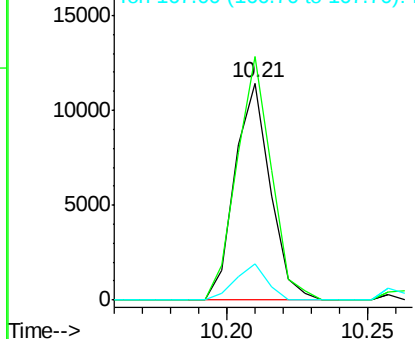
Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.0	78.8	118.2
167	16.5	10.6	16.0#

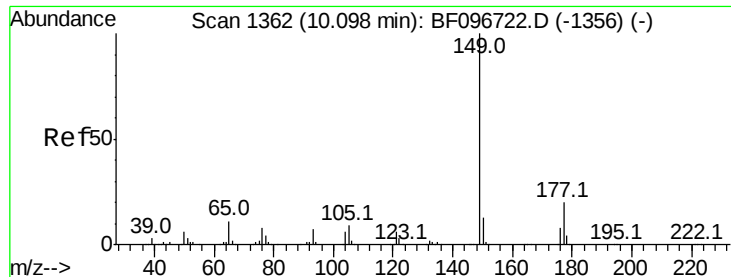


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

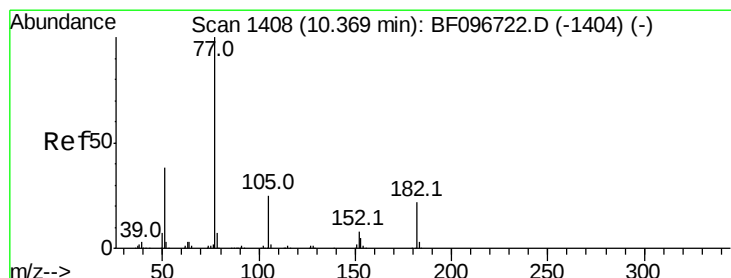
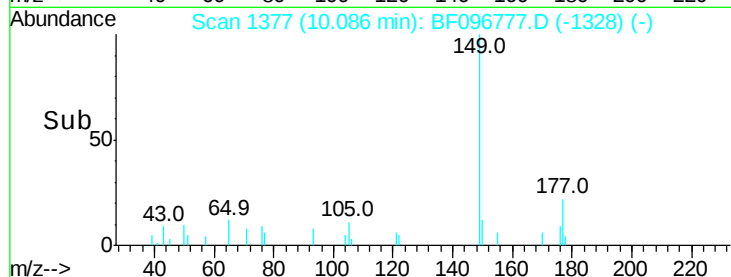
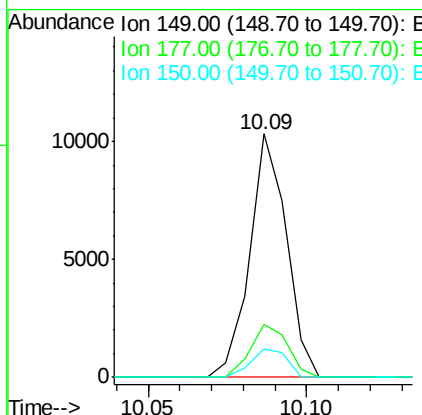
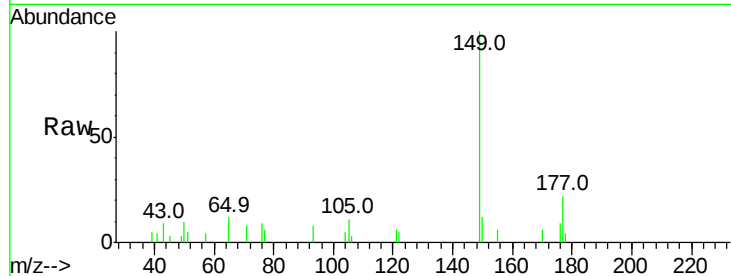




#59
Diethylphthalate
Concen: 0.660 ng
RT: 10.09 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

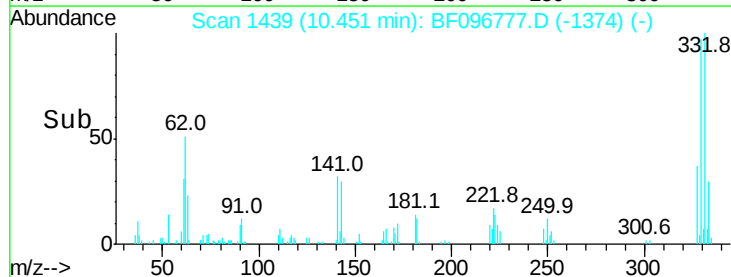
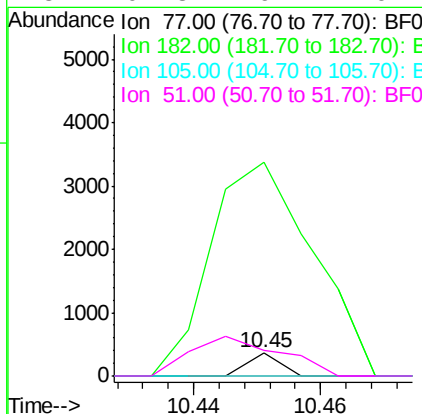
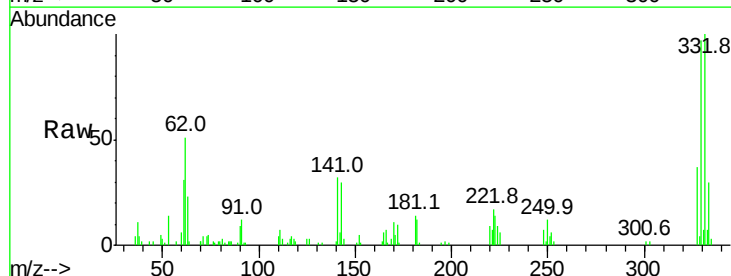
Instrument :
BNA_F
ClientSampleId :

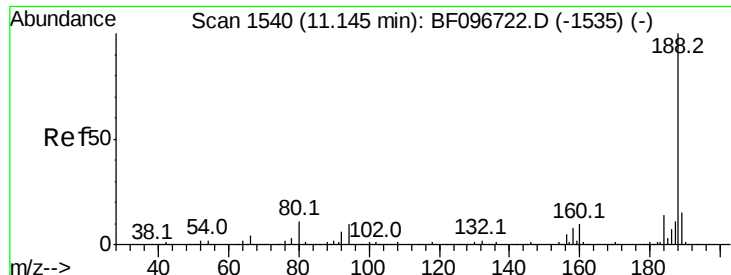
Tot Ion:149 Resp: 8283
Ion Ratio Lower Upper
149 100
177 21.8 16.7 25.1
150 11.7 10.2 15.2



#62
Azobenzene
Concen: 0.012 ng
RT: 10.45 min Scan# 1439
Delta R.T. 0.08 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion: 77 Resp: 132
Ion Ratio Lower Upper
77 100
182 901.6 0.1 40.1#
105 0.0 3.6 43.6#
51 107.8 9.4 49.4#

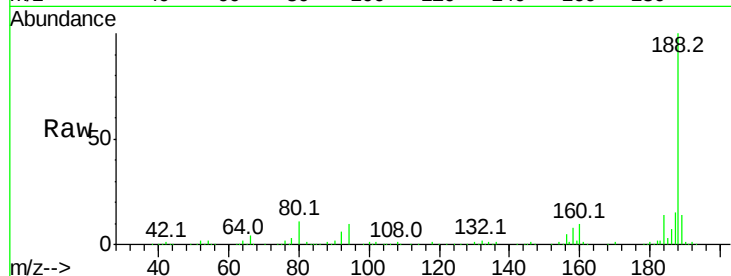




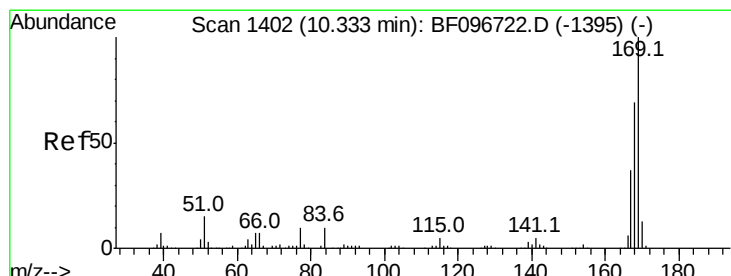
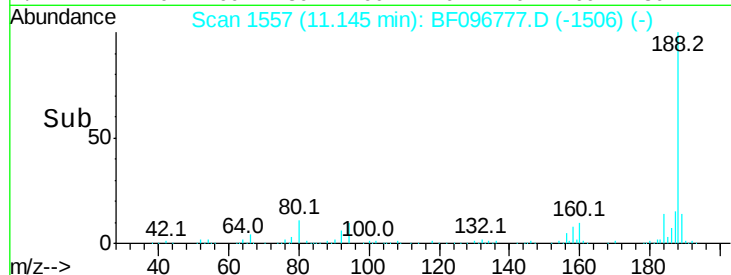
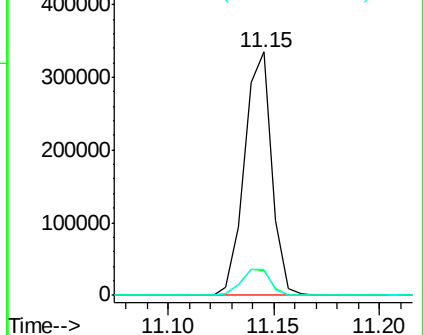
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 299477
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.6 10.2 15.2

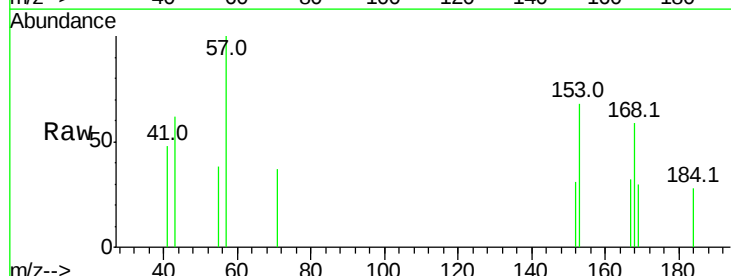


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

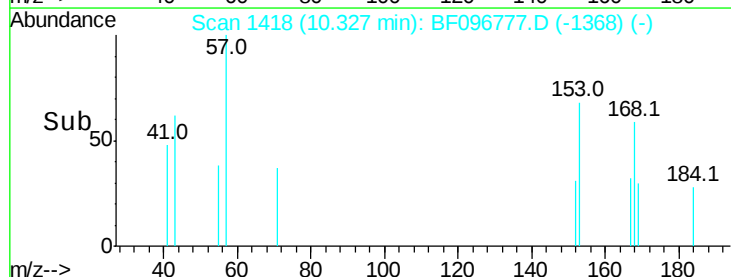
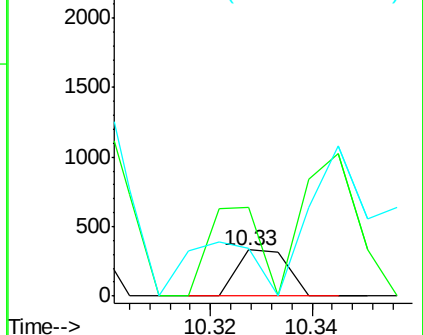


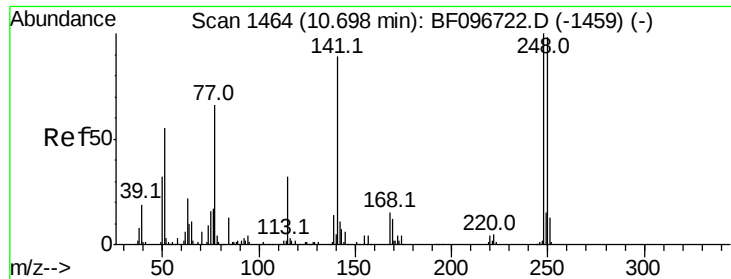
#65
n-Nitrosodiphenylamine
Concen: 0.021 ng
RT: 10.33 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion:169 Resp: 227
Ion Ratio Lower Upper
169 100
168 193.9 53.2 79.8#
167 104.8 29.5 44.3#



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

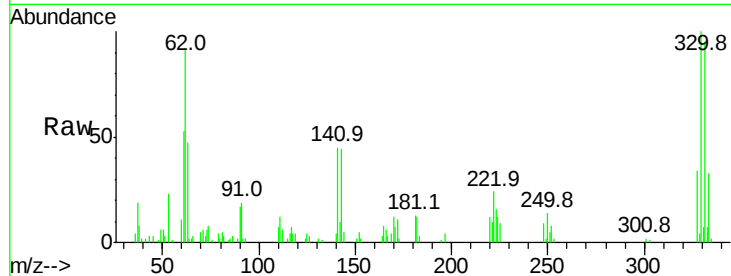




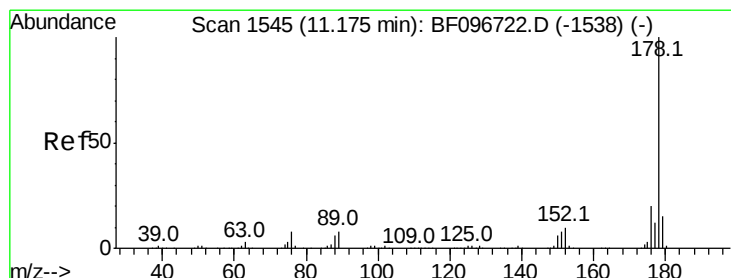
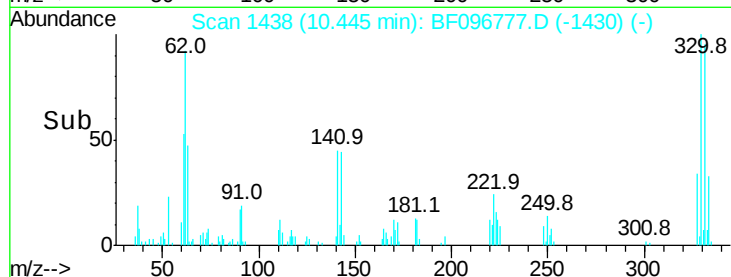
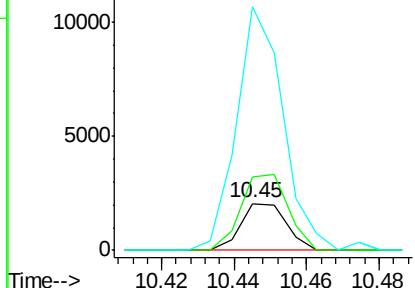
#66
4-Bromophenyl-phenylether
Concen: 0.585 ng
RT: 10.45 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 1789
Ion Ratio Lower Upper
248 100
250 156.8 76.8 115.2#
141 520.3 68.6 103.0#

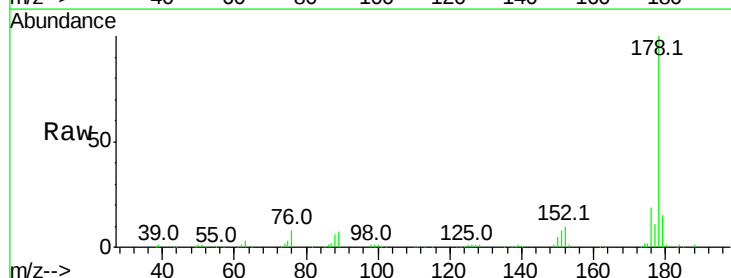


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

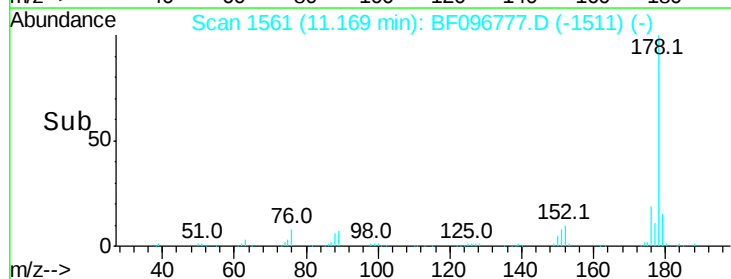
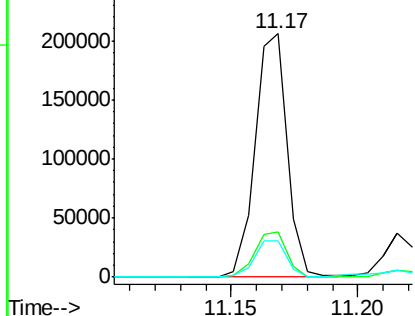


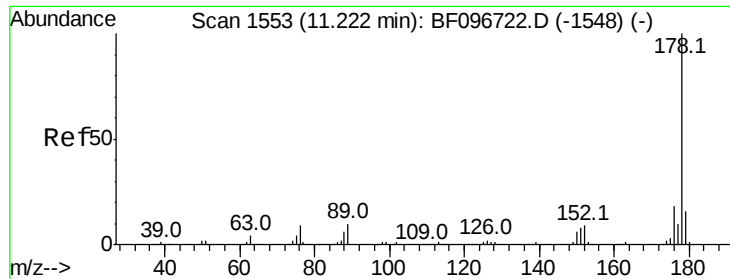
#70
Phenanthrene
Concen: 11.183 ng
RT: 11.17 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion:178 Resp: 182106
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.4
179 14.8 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





#71

Anthracene

Concen: 1.862 ng

RT: 11.22 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

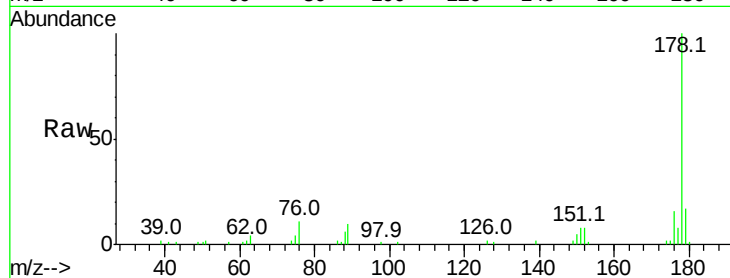
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 30657

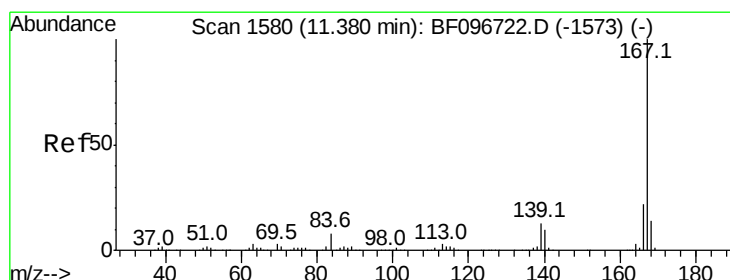
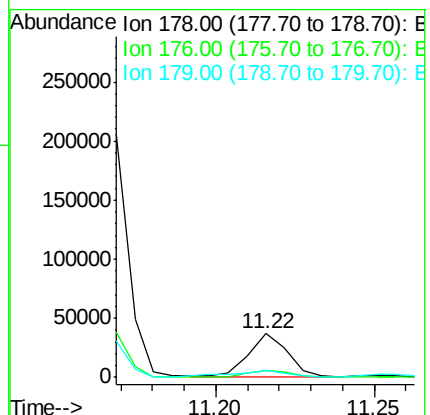
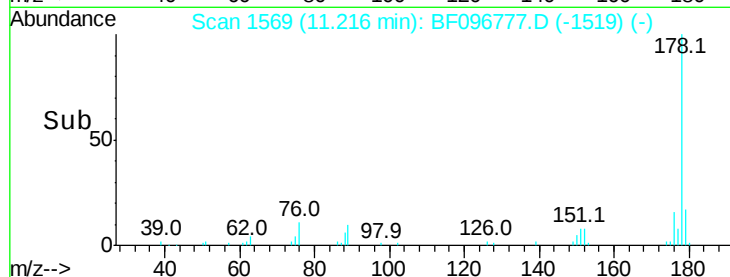
Ion	Ratio	Lower	Upper
178	100		
176	16.2	15.8	23.8
179	16.6	12.7	19.1



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: 0.720 ng

RT: 11.37 min Scan# 1596

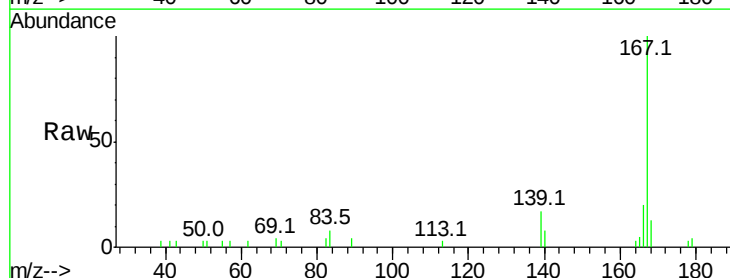
Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Tgt Ion:167 Resp: 11473

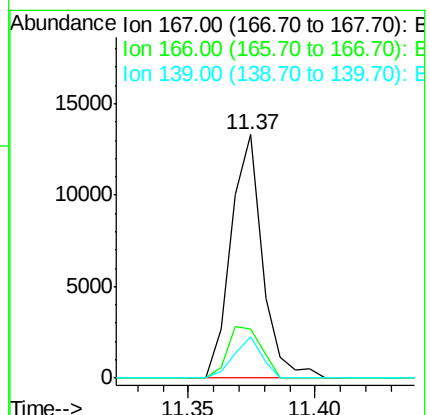
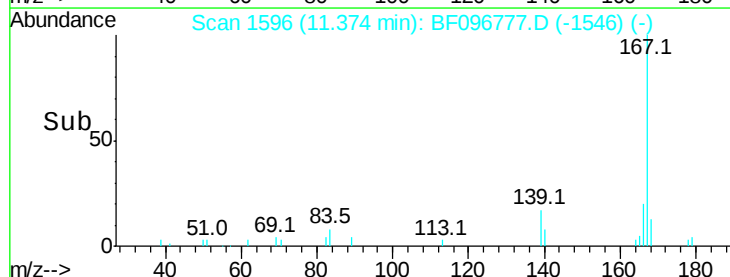
Ion	Ratio	Lower	Upper
167	100		
166	20.2	18.1	27.1
139	16.8	11.7	17.5

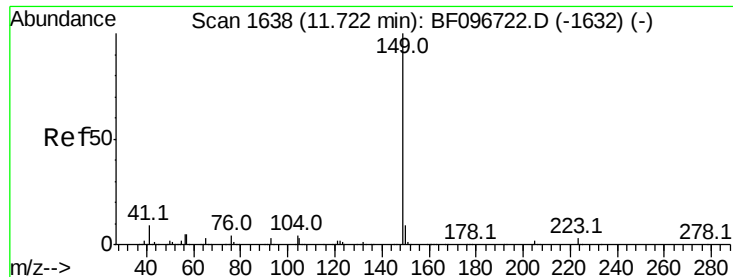


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 0.035 ng

RT: 11.72 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

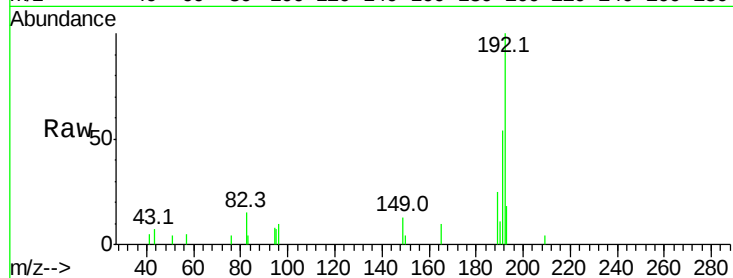
Tot Ion:149 Resp: 695

Ion Ratio Lower Upper

149 100

150 33.2 7.7 11.5#

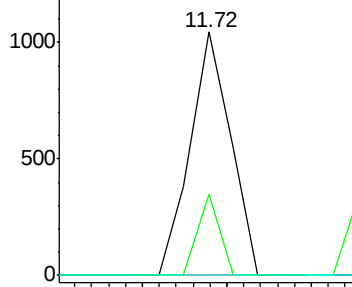
104 0.0 4.0 6.0#



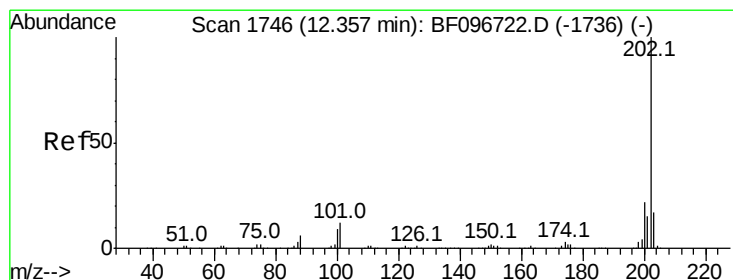
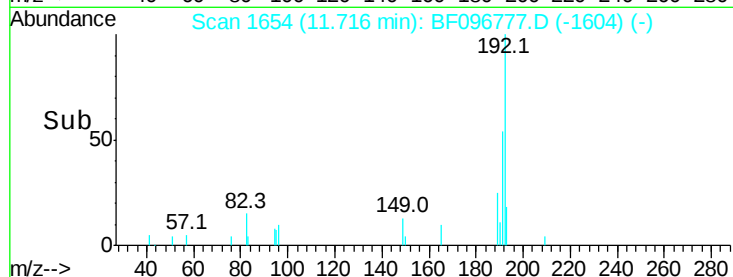
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#74

Fluoranthene

Concen: 13.611 ng

RT: 12.35 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

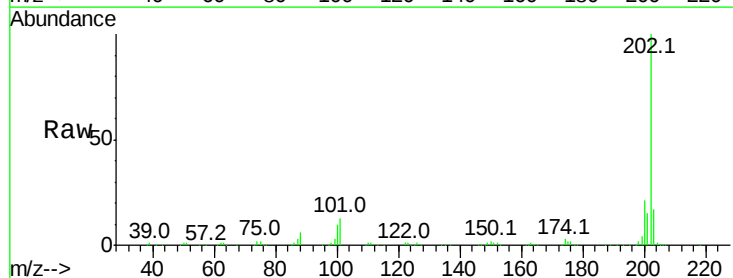
Tgt Ion:202 Resp: 212145

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

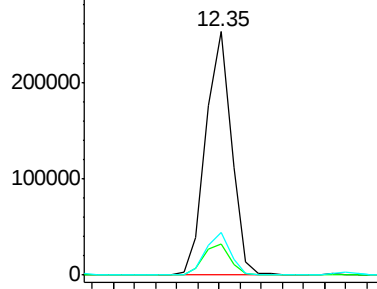
203 17.4 0.0 38.1



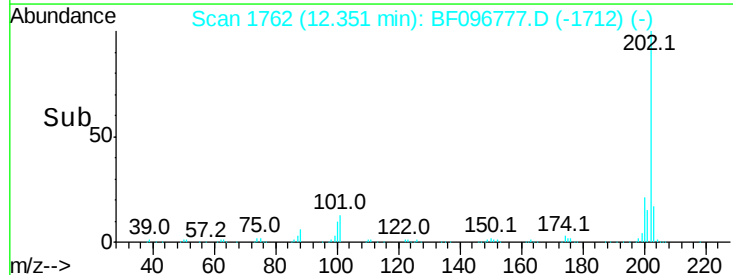
Abundance Ion 202.00 (201.70 to 202.70): E

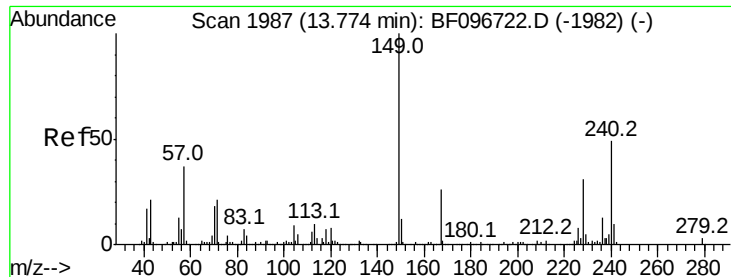
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

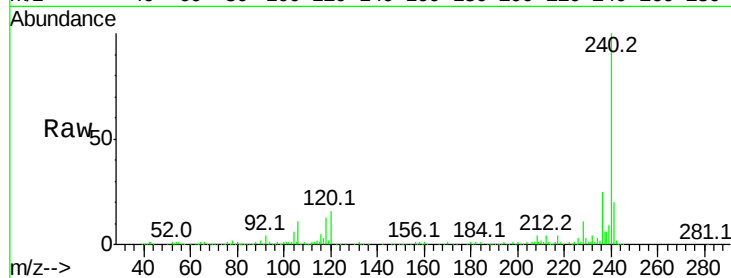
Tot Ion:240 Resp: 211166

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

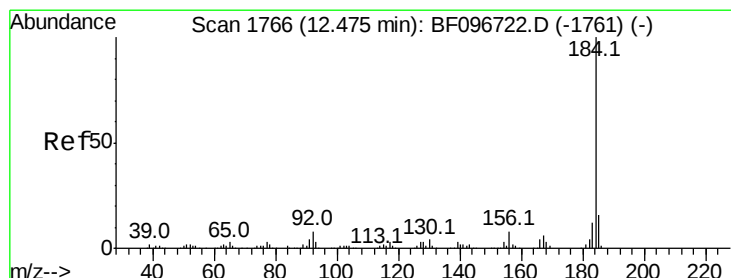
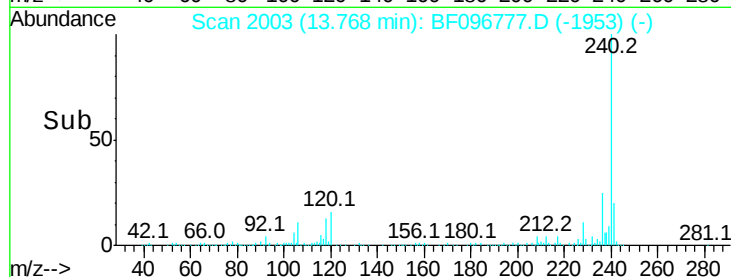
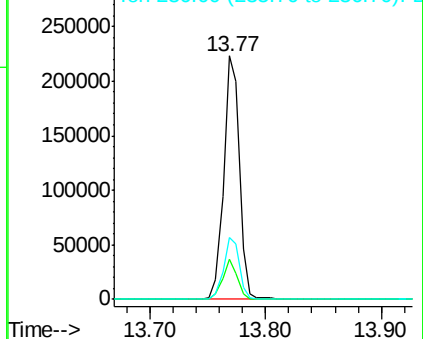
236 25.4 20.5 30.7



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: 0.070 ng

RT: 12.47 min Scan# 1783

Delta R.T. -0.00 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

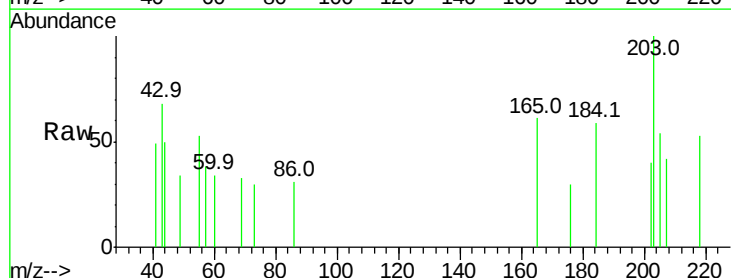
Tgt Ion:184 Resp: 481

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

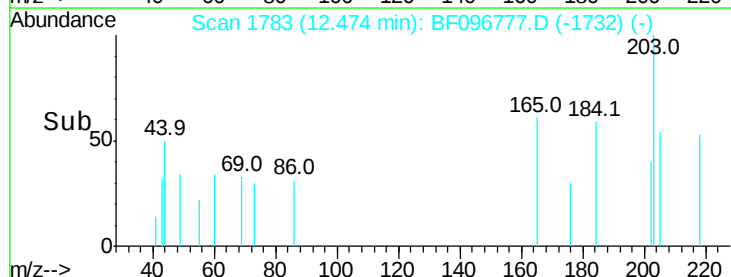
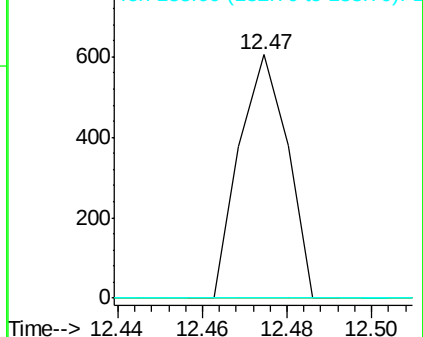
183 0.0 9.8 14.6#

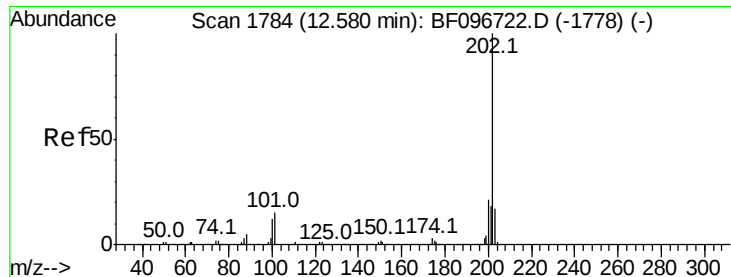


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 10.455 ng

RT: 12.57 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

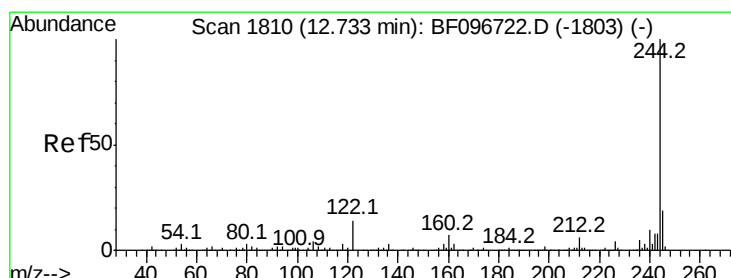
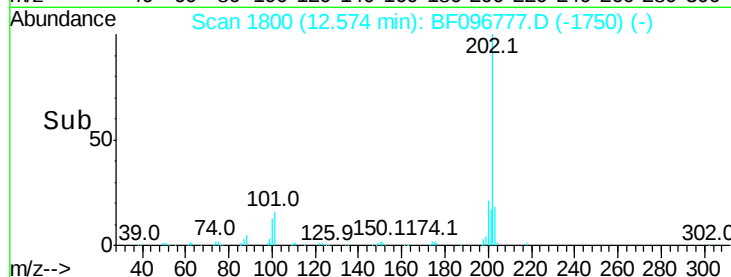
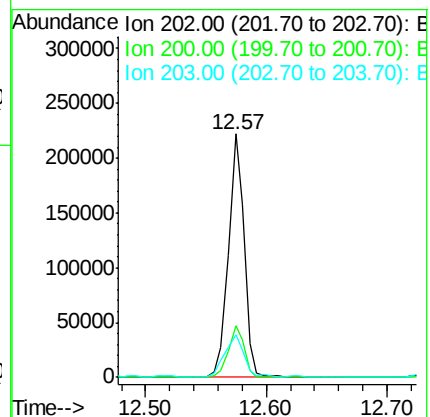
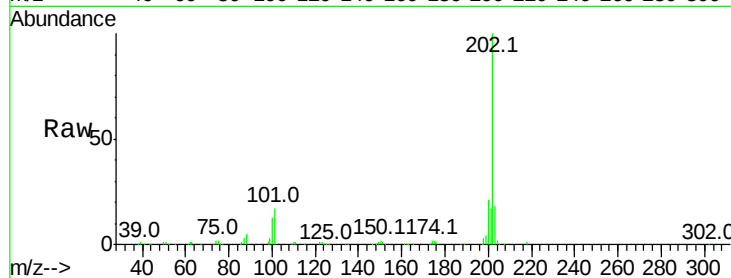
Tot Ion:202 Resp: 200362

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 17.7 14.4 21.6



#78

Terphenyl-d14

Concen: 13.468 ng

RT: 12.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

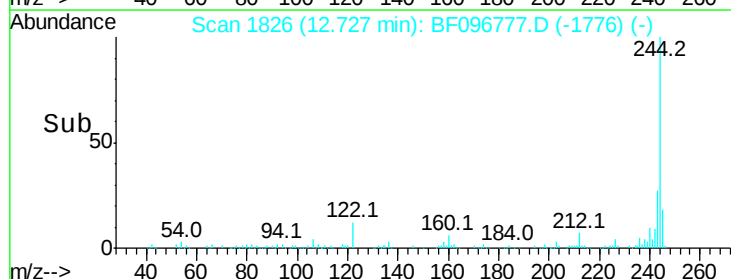
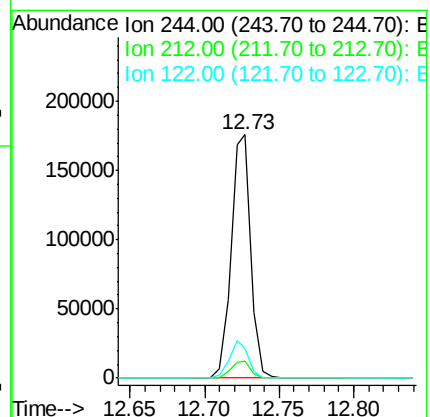
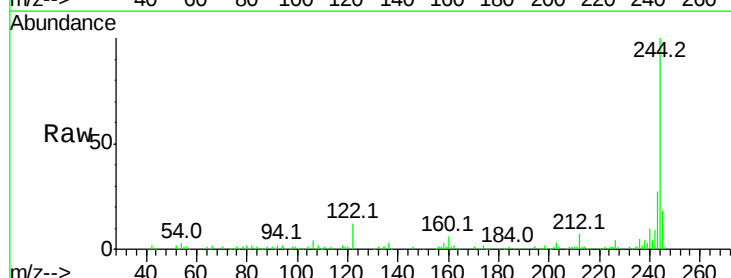
Tgt Ion:244 Resp: 163985

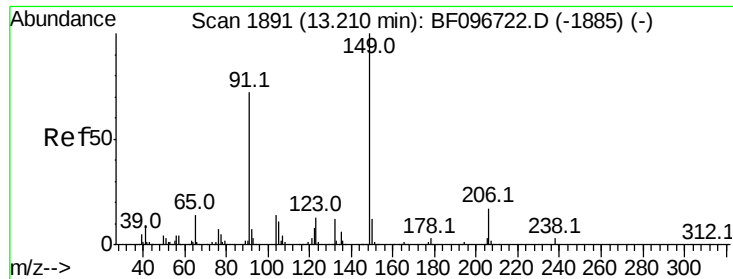
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 12.1 10.3 15.5

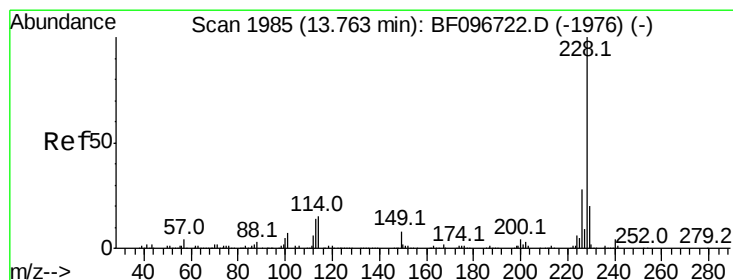
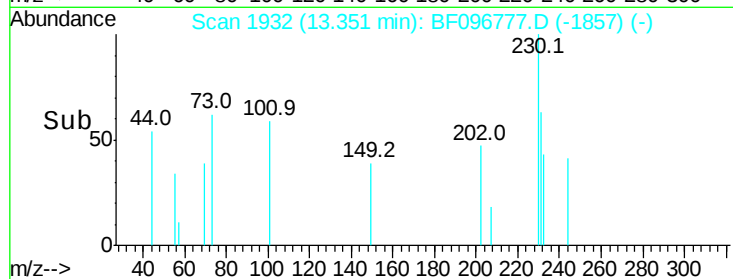
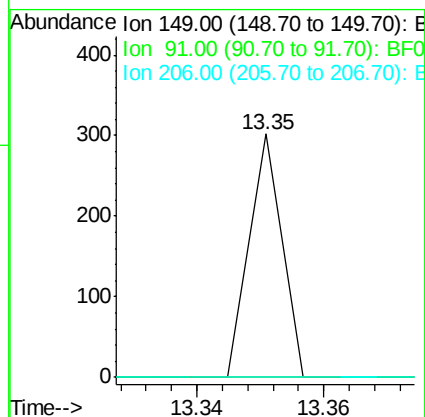
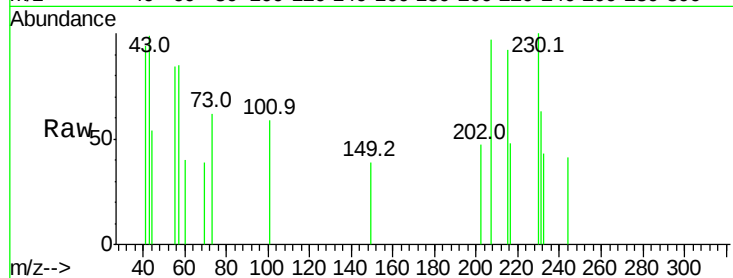




#79
Butylbenzylphthalate
Concen: 0.024 ng
RT: 13.35 min Scan# 1932
Delta R.T. 0.14 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

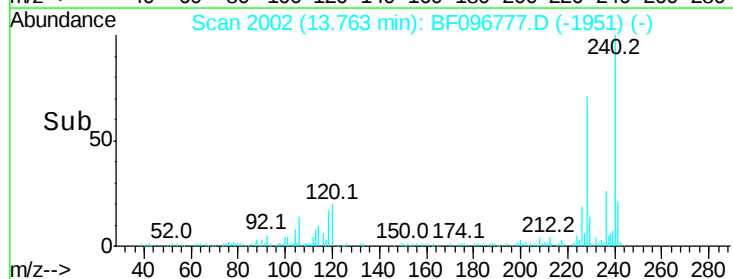
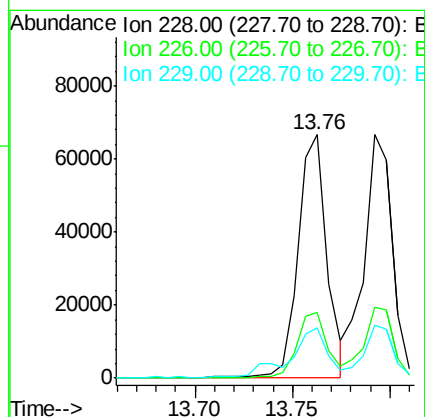
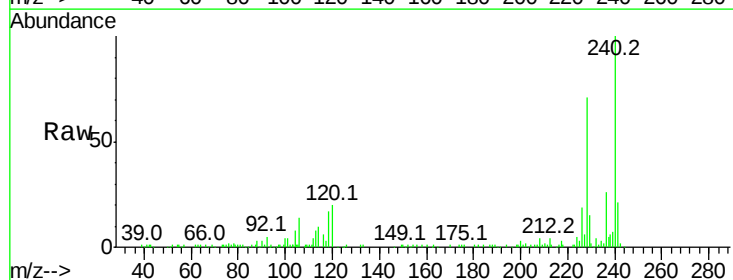
Instrument :
BNA_F
ClientSampleId :

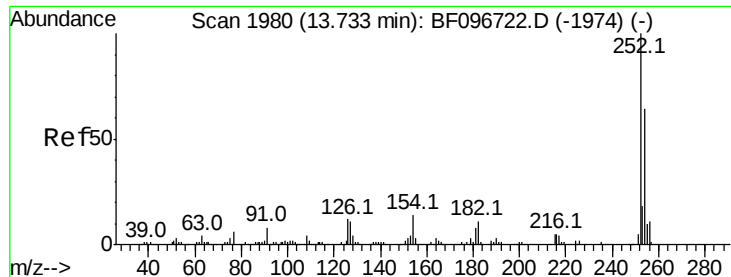
Tot Ion:149 Resp: 107
Ion Ratio Lower Upper
149 100
91 0.0 45.0 67.4#
206 0.0 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 5.180 ng
RT: 13.76 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion:228 Resp: 68152
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 20.7 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 0.111 ng

RT: 13.81 min Scan# 2010

Delta R.T. 0.08 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampled :

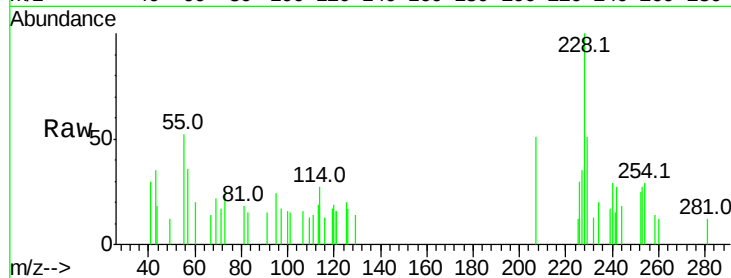
Tot Ion:252 Resp: 527

Ion Ratio Lower Upper

252 100

254 115.4 51.5 77.3#

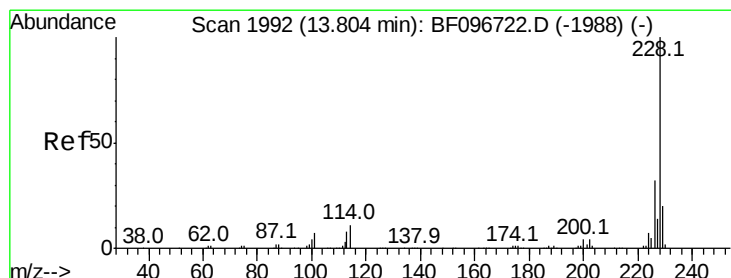
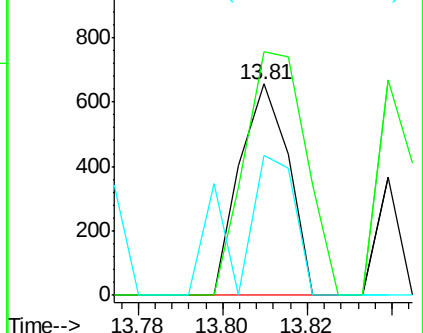
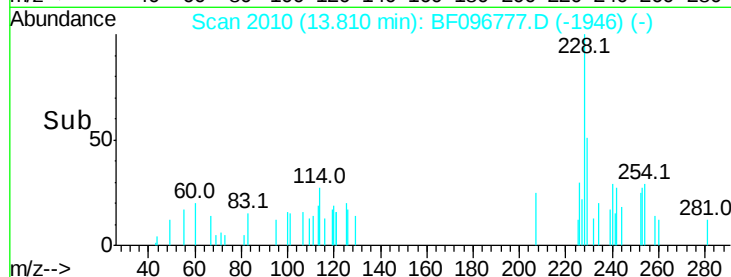
126 66.6 15.8 23.8#



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: 5.247 ng

RT: 13.79 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

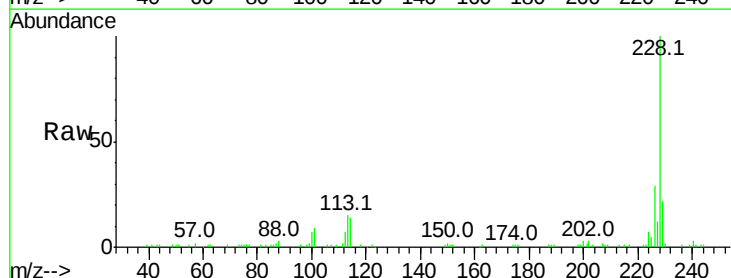
Tgt Ion:228 Resp: 67967

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

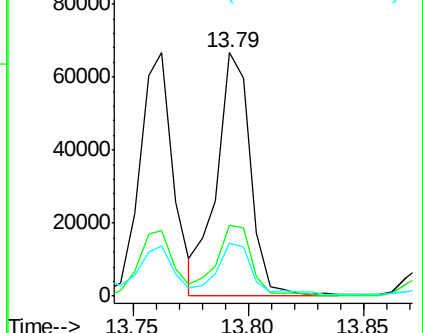
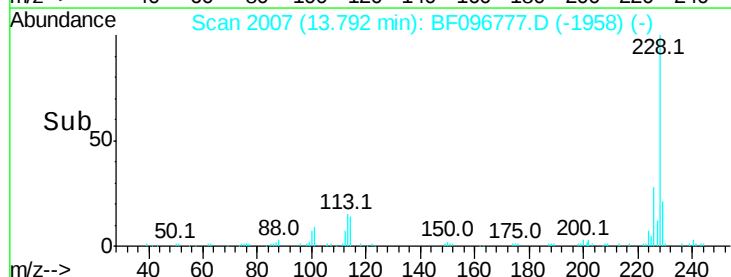
229 21.9 15.8 23.6

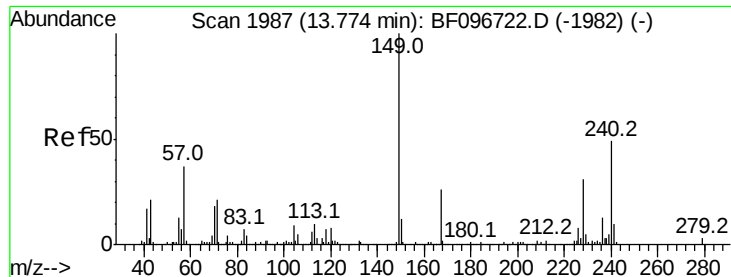


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.088 ng

RT: 13.77 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

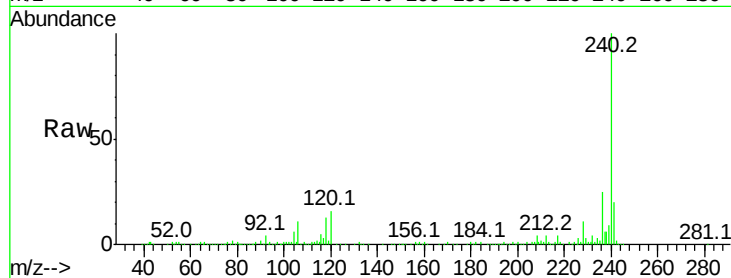
Tot Ion:149 Resp: 975

Ion Ratio Lower Upper

149 100

167 0.0 21.0 31.4#

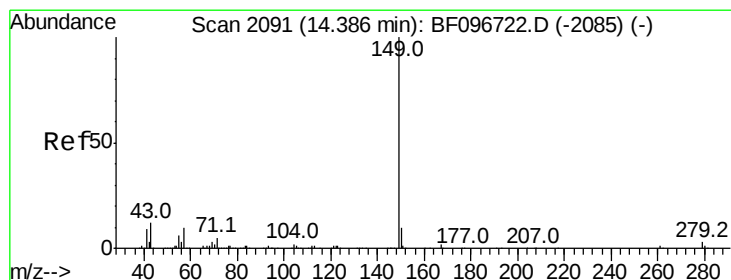
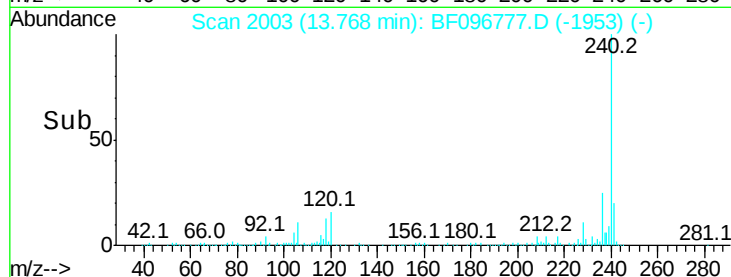
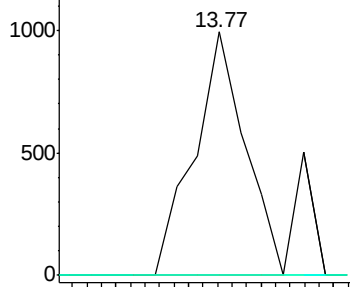
279 0.0 1.9 2.9#



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: 0.016 ng

RT: 14.37 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

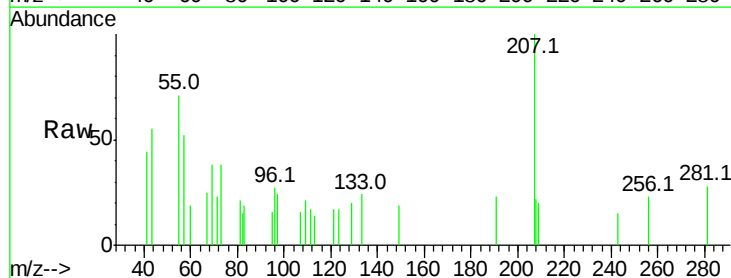
Tgt Ion:149 Resp: 288

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

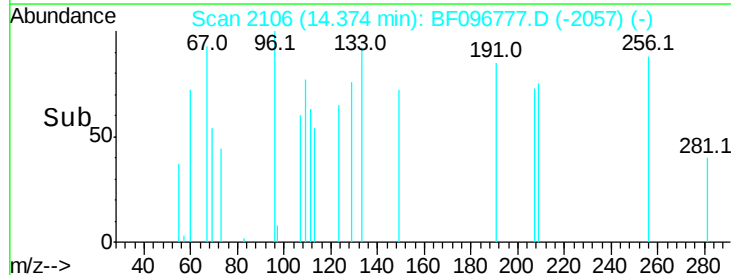
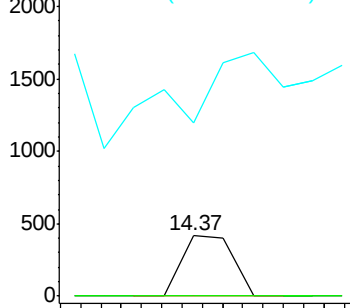
43 130.6 8.5 12.7#

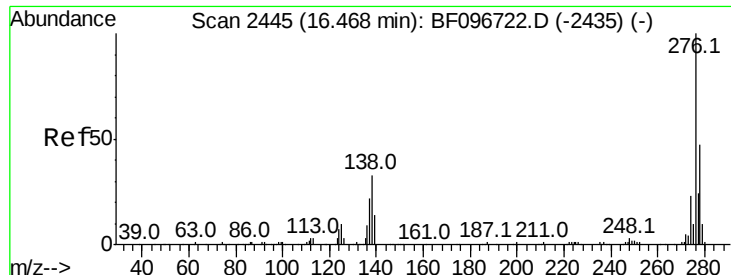


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

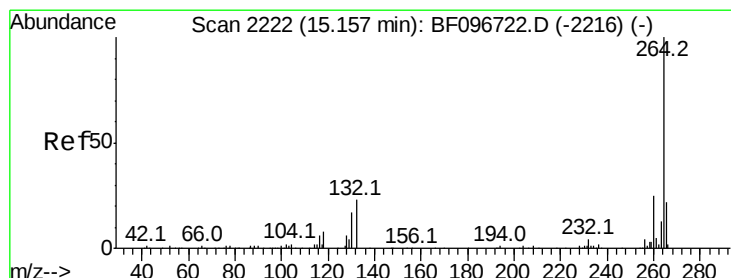
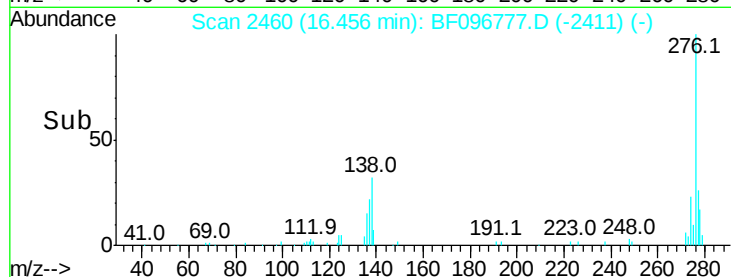
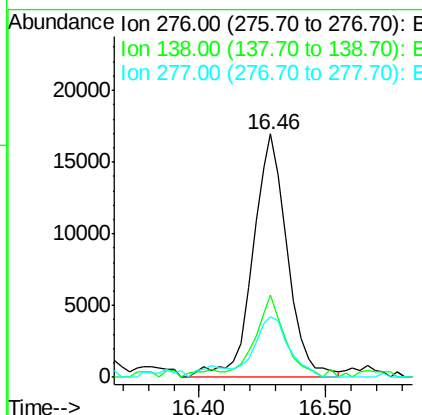
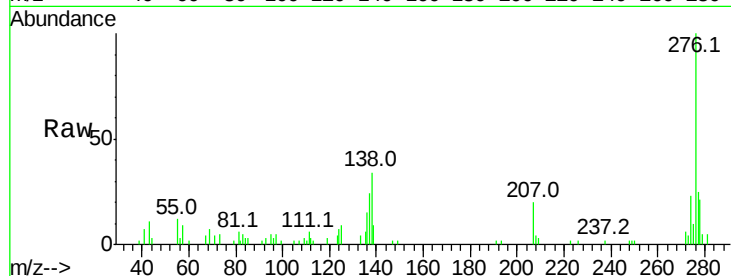




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.891 ng
 RT: 16.46 min Scan# 2460
 Delta R.T. -0.01 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

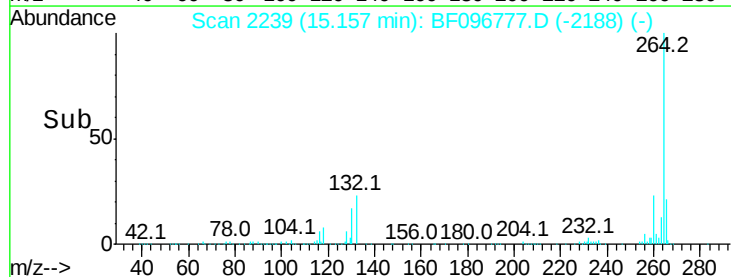
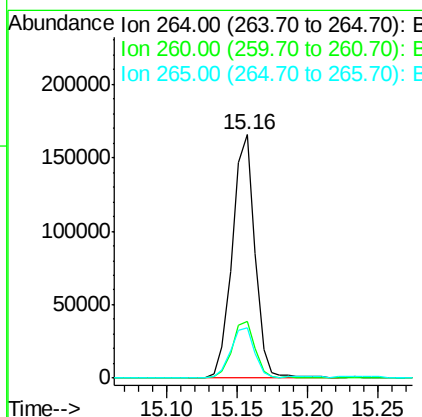
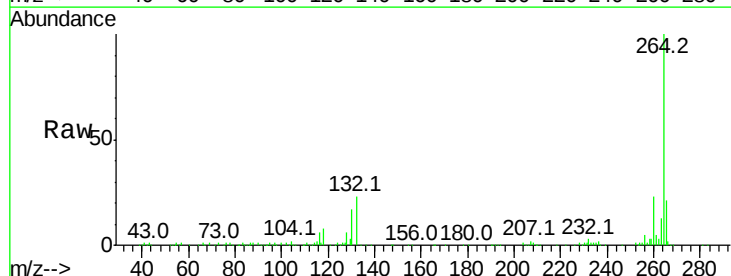
Instrument :
 BNA_F
 ClientSampleId :

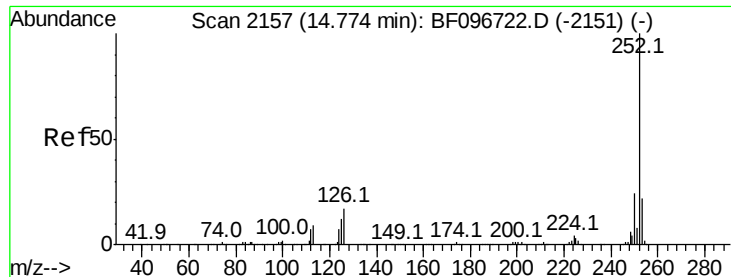
Tot Ion:276 Resp: 31979
 Ion Ratio Lower Upper
 276 100
 138 29.5 27.8 41.6
 277 24.7 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.16 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: BF096777.D
 Acq: 14 Jul 2017 15:54

Tgt Ion:264 Resp: 186498
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.5 29.3
 265 20.6 17.2 25.8

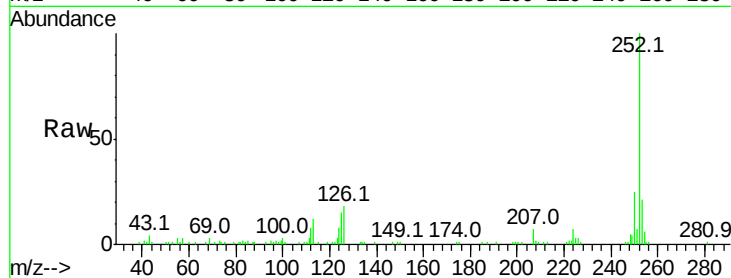




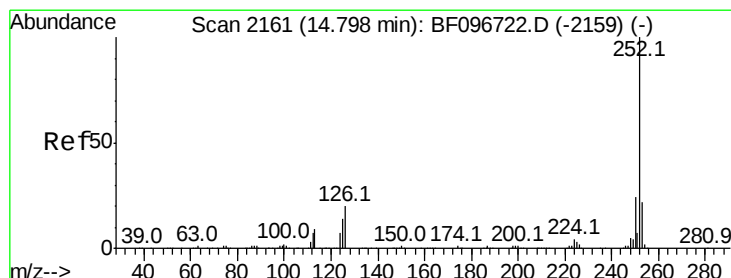
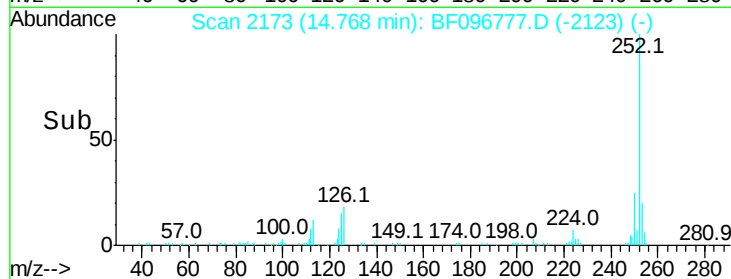
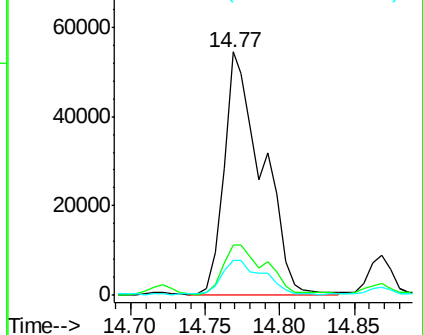
#87
Benzo(b)fluoranthene
Concen: 8.662 ng
RT: 14.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 97435
Ion Ratio Lower Upper
252 100
253 20.9 18.1 27.1
125 14.5 9.8 14.8

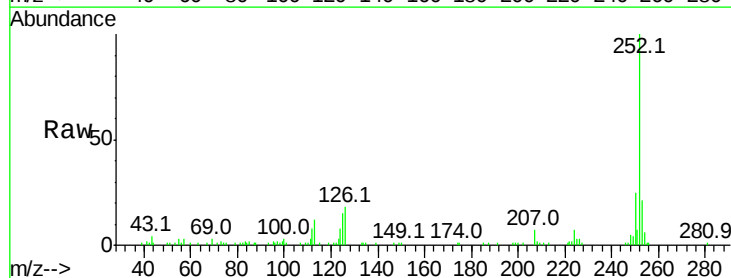


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

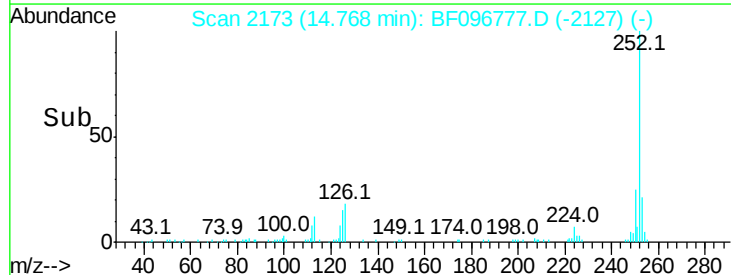
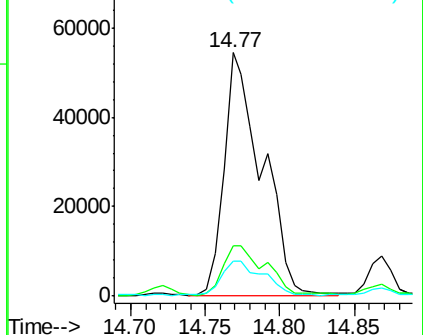


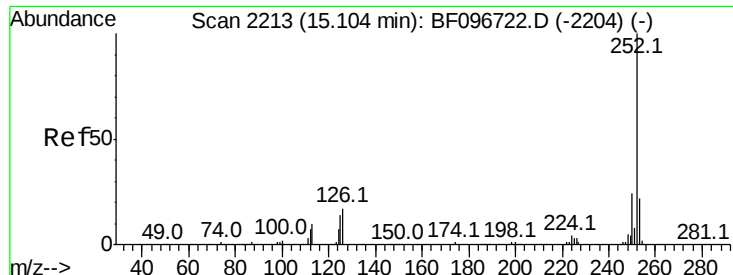
#88
Benzo(k)fluoranthene
Concen: 9.148 ng
RT: 14.77 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion:252 Resp: 97435
Ion Ratio Lower Upper
252 100
253 20.9 18.4 27.6
125 14.5 13.1 19.7



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

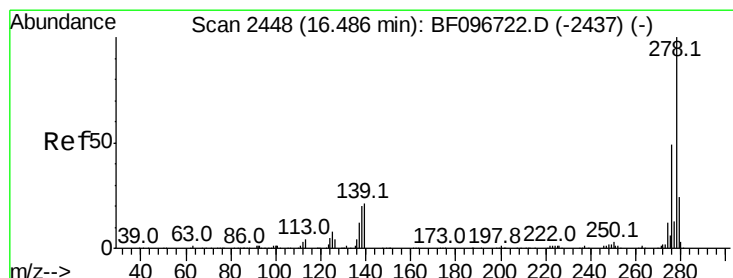
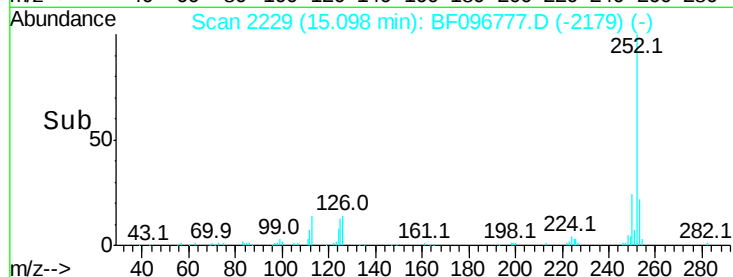
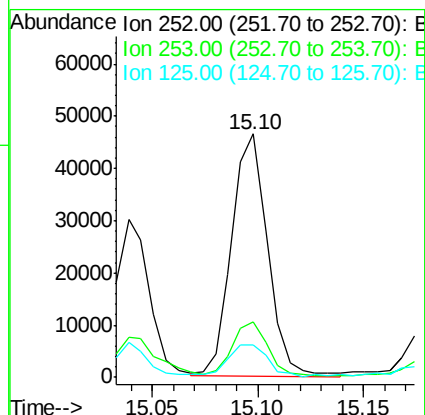
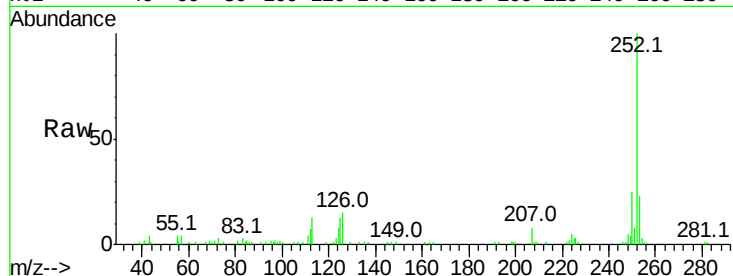




#89
Benzo(a)pyrene
Concen: 5.297 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

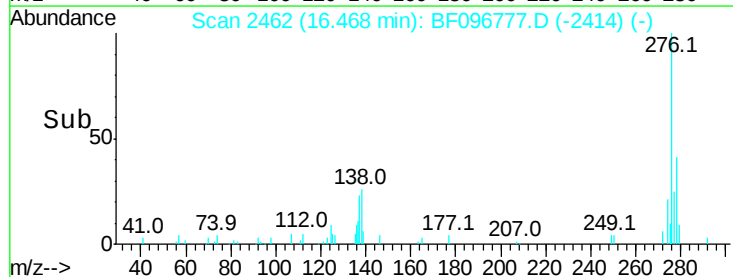
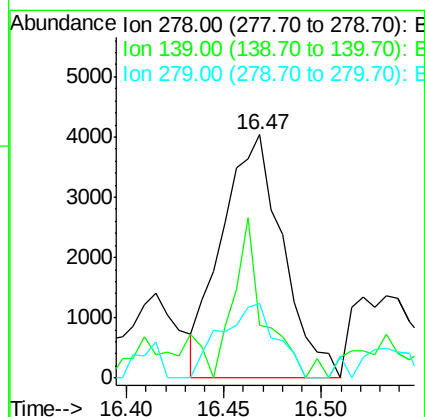
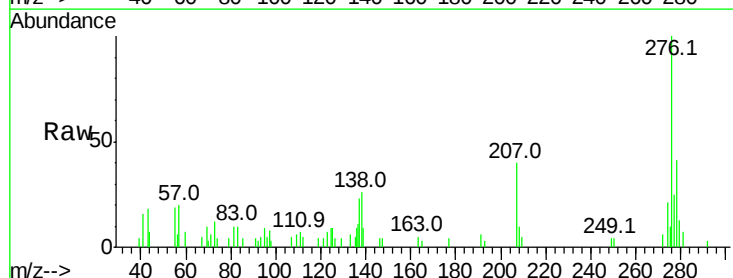
Instrument :
BNA_F
ClientSampleId :

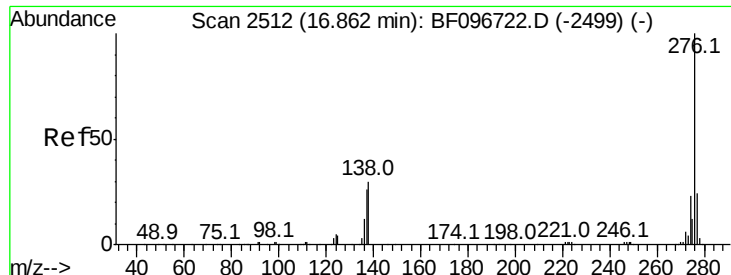
Tot Ion:252 Resp: 54649
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 13.5 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 0.920 ng
RT: 16.47 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BF096777.D
Acq: 14 Jul 2017 15:54

Tgt Ion:278 Resp: 8737
Ion Ratio Lower Upper
278 100
139 21.7 16.6 24.8
279 30.8 19.3 28.9#





#91

Benzo(a,h,i)perylene

Concen: 2.982 ng

RT: 16.84 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF096777.D

Acq: 14 Jul 2017 15:54

Instrument :

BNA_F

ClientSampleId :

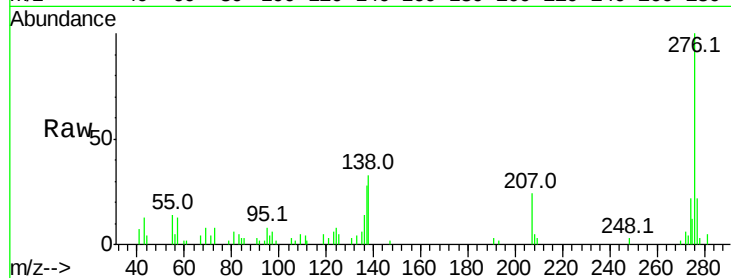
Tot Ion: 276 Resp: 30312

Ion Ratio Lower Upper

276 100

277 22.4 18.6 28.0

138 33.1 25.4 38.0



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

