

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096770.D
 Acq On : 14 Jul 2017 12:41
 Operator : SJ/JU
 Sample : I4159-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 14 16:32:38 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	121910	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	508939	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	212379	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	304142	20.00	ng	0.00
75) Chrysene-d12	13.77	240	205907	20.00	ng	0.00
86) Perylene-d12	15.16	264	204656	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.25	112	797850	98.40	ng	0.01
7) Phenol-d6	6.28	99	987879	101.53	ng	0.00
23) Nitrobenzene-d5	7.20	82	583450	71.01	ng	0.00
41) 2,4,6-Tribromophenol	10.45	330	124068	68.44	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	896221	66.67	ng	0.00
78) Terphenyl-d14	12.73	244	489527	41.23	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.22	88	692	0.166	ng	# 21
4) n-Nitrosodimethylamine	2.88	42	107	0.022	ng	# 1
6) Aniline	6.29	93	609	0.051	ng	# 1
9) Benzaldehyde	6.29	77	1426	0.254	ng	# 1
10) Phenol	6.29	94	35444	3.222	ng	97
11) bis(2-Chloroethyl)ether	6.41	93	979	0.118	ng	# 1
12) 1,3-Dichlorobenzene	6.80	146	241	0.026	ng	# 1
13) 1,4-Dichlorobenzene	6.80	146	241	0.026	ng	# 1
14) 1,2-Dichlorobenzene	6.80	146	241	0.028	ng	# 1
15) Benzyl Alcohol	6.79	79	8917	1.400	ng	# 36
16) 2,2'-oxybis(1-Chloropropan	6.66	45	120	0.007	ng	70
17) 2-Methylphenol	6.79	107	153	0.022	ng	# 1
19) n-Nitroso-di-n-propylamine	7.20	70	76000	12.965	ng	# 88
20) 3+4-Methylphenols	6.79	107	153	0.019	ng	# 1
24) Nitrobenzene	7.20	77	1504	0.177	ng	# 36
25) Isophorone	7.20	82	578744	37.863	ng	# 67
31) Naphthalene	7.94	128	893	0.037	ng	# 68
37) 2-Methylnaphthalene	8.63	142	507	0.033	ng	# 83
45) 1,1'-Biophenyl	9.09	154	1633	0.090	ng	78
46) 2-Chloronaphthalene	9.39	162	2329	0.174	ng	# 1
47) 2-Nitroaniline	9.39	65	1621	0.352	ng	# 1
48) Acenaphthylene	9.53	152	295	0.014	ng	# 60
49) Dimethylphthalate	9.39	163	170937	10.689	ng	98
50) 2,6-Dinitrotoluene	9.39	165	1820	0.525	ng	# 1
51) Acenaphthene	9.67	154	862	0.068	ng	# 4
56) 2,4-Dinitrotoluene	9.67	165	26578	5.971	ng	# 32
57) Fluorene	10.45	166	6952	0.532	ng	# 85
59) Diethylphthalate	10.09	149	279	0.018	ng	# 60
62) Azobenzene	10.45	77	752	0.055	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.45	198	194	0.102	ng	# 1
65) n-Nitrosodiphenylamine	10.45	169	4508	0.415	ng	# 45
66) 4-Bromophenyl-phenylether	10.45	248	8155	2.626	ng	# 1
70) Phenanthrene	11.17	178	3760	0.227	ng	99
71) Anthracene	11.17	178	3760	0.225	ng	98

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

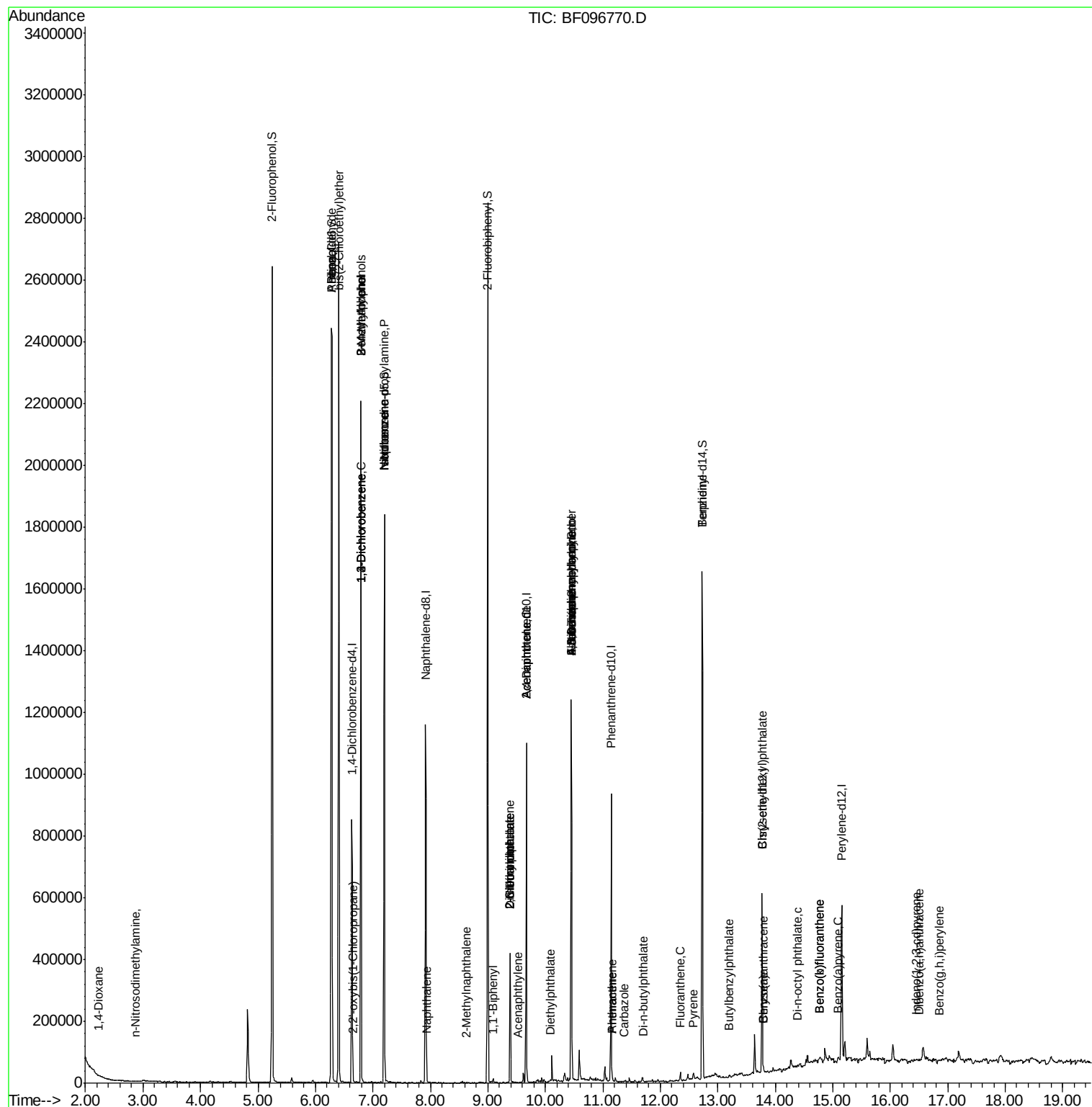
72) Carbazole	11.37	167	283	0.017	nq	# 58
73) Di-n-butylphthalate	11.71	149	560	0.028	nq	# 78
74) Fluoranthene	12.35	202	7366	0.465	nq	97
76) Benzidine	12.73	184	5995	0.889	nq	96
77) Pyrene	12.57	202	6270	0.336	nq	97
79) Butylbenzylphthalate	13.20	149	311	0.070	nq	# 64
80) Benzo(a)anthracene	13.80	228	3656	0.285	nq	97
82) Chrysene	13.80	228	3656	0.289	nq	93
83) Bis(2-ethylhexyl)phthalate	13.77	149	2369	0.219	nq	# 52
84) Di-n-octyl phthalate	14.38	149	1487	0.083	nq	# 95
85) Indeno(1,2,3-cd)pyrene	16.46	276	3070	3.581	nq	# 71
87) Benzo(b)fluoranthene	14.77	252	7726	0.626	nq	# 84
88) Benzo(k)fluoranthene	14.77	252	7726	0.661	nq	# 87
89) Benzo(a)pyrene	15.10	252	3202	0.283	nq	# 58
90) Dibenzo(a,h)anthracene	16.51	278	112	0.011	nq	# 1
91) Benzo(g,h,i)perylene	16.86	276	2741	0.246	nq	# 63

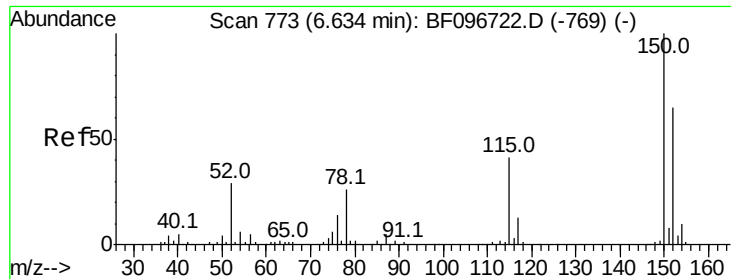
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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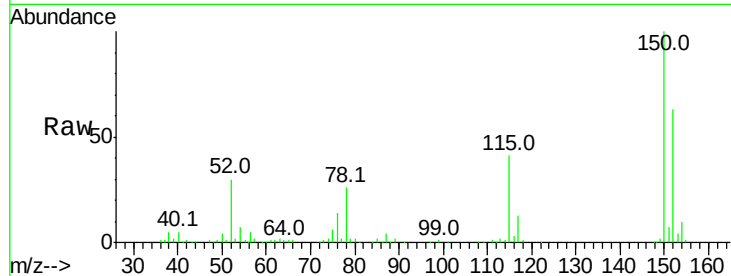


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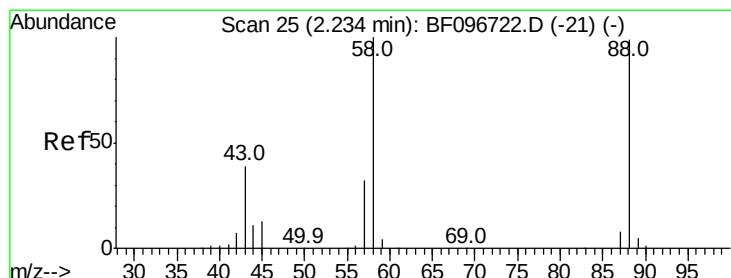
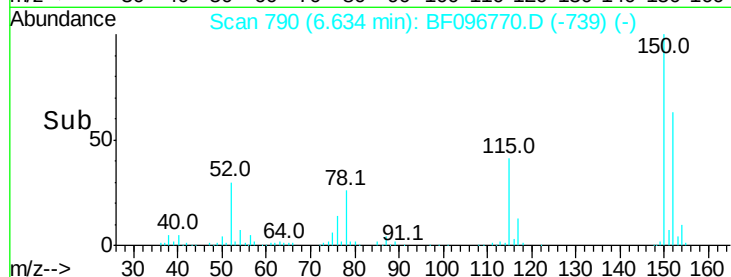
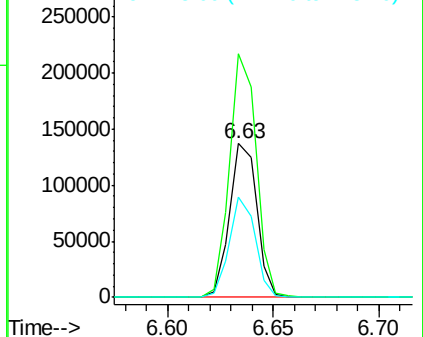
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 121910
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 65.7 52.2 78.2



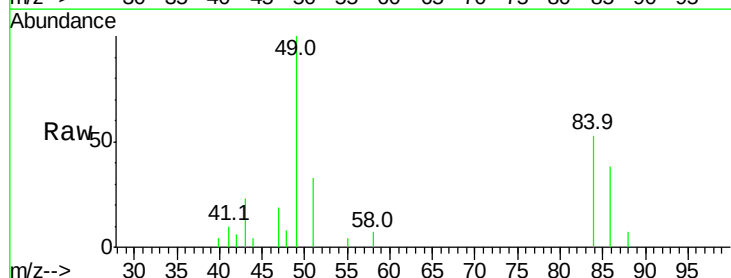
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



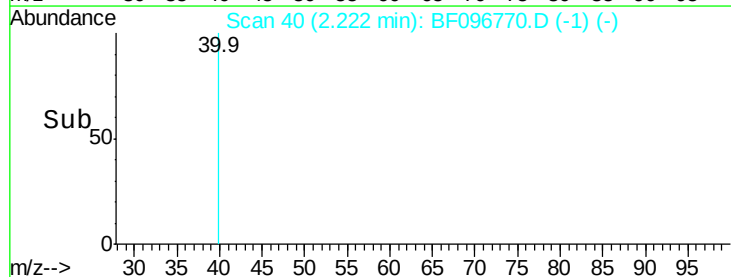
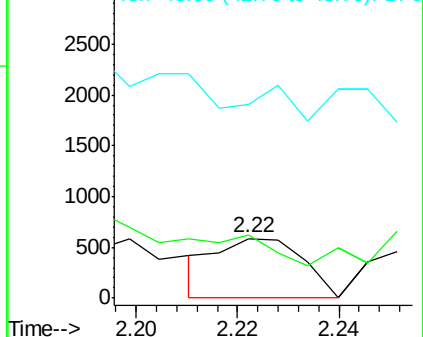
#2

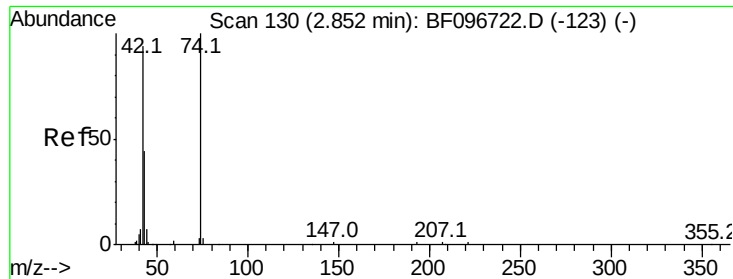
1,4-Dioxane
Concen: 0.166 ng
RT: 2.22 min Scan# 40
Delta R.T. -0.01 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion: 88 Resp: 692
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



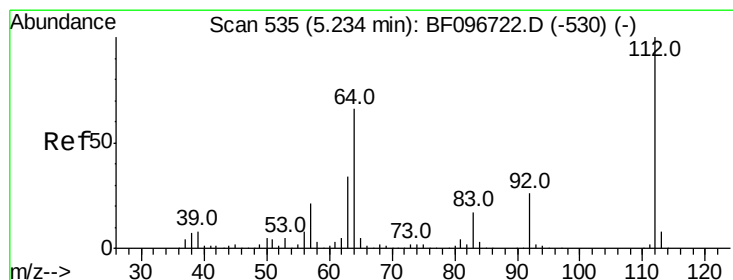
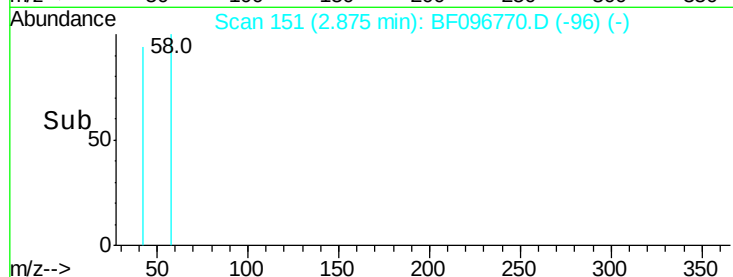
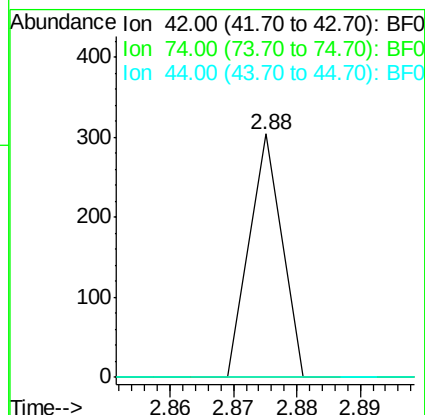
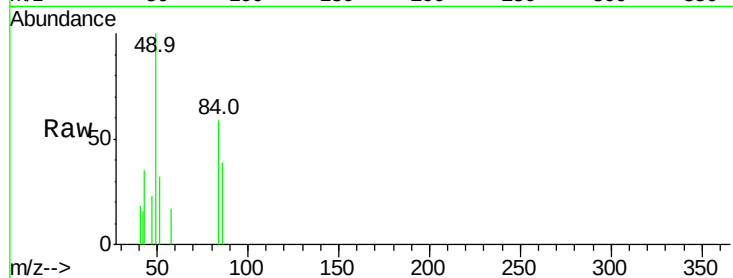


#4

n-Nitrosodimethylamine
 Concen: 0.022 ng
 RT: 2.88 min Scan# 151
 Delta R.T. 0.02 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :

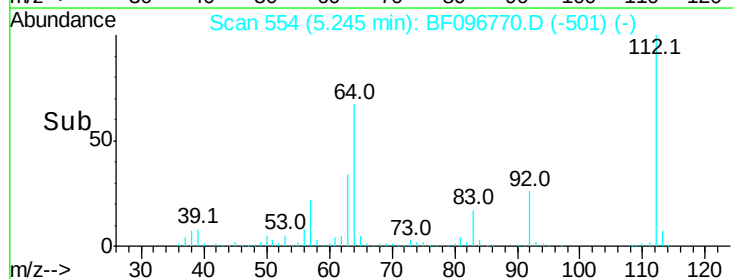
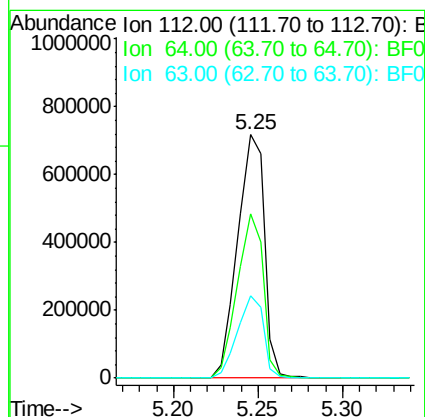
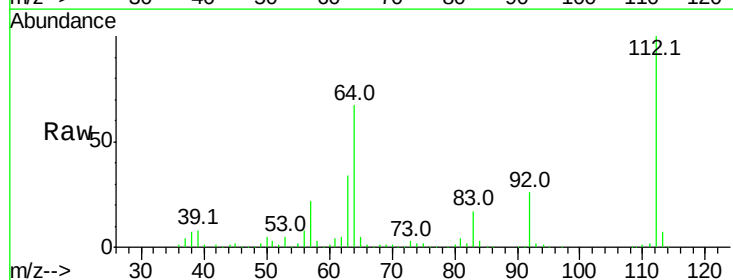
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	103.9	155.9#
44	0.0	5.7	8.5#

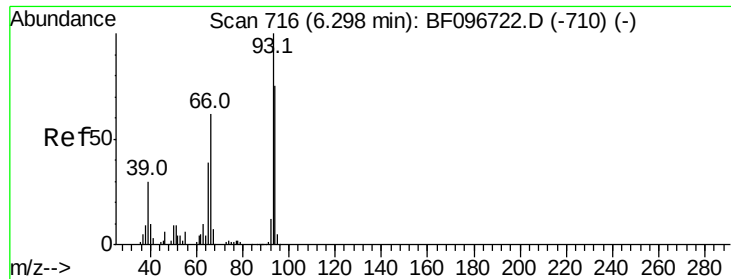


#5

2-Fluorophenol
 Concen: 98.403 ng
 RT: 5.25 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	46.0	69.0
63	33.8	23.4	35.0





#6

Aniline

Concen: 0.051 ng

RT: 6.29 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

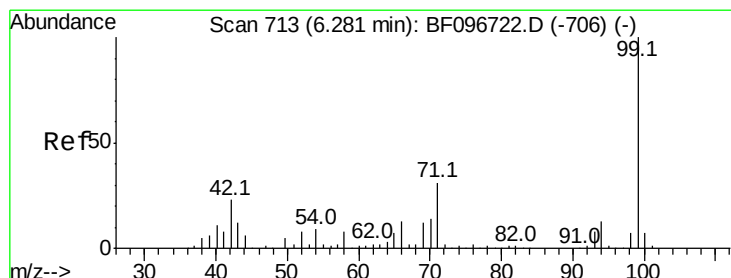
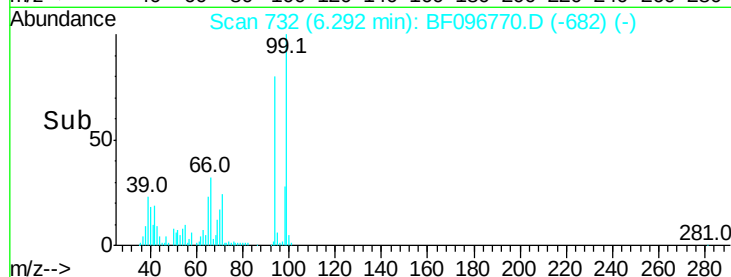
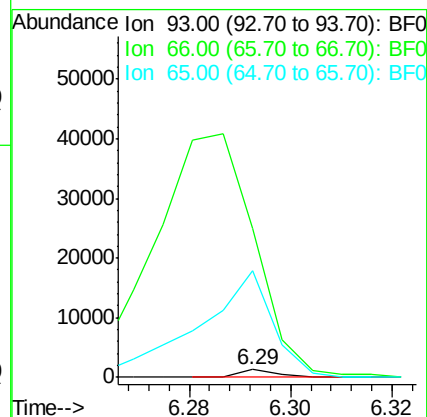
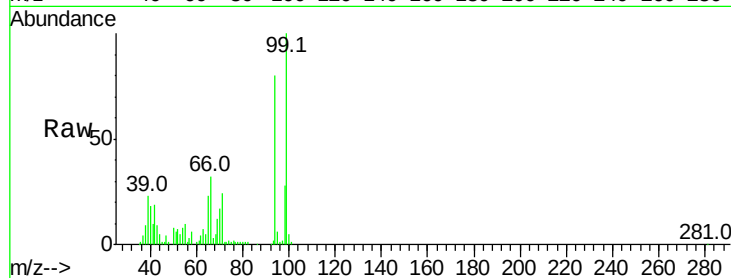
Tot Ion: 93 Resp: 609

Ion Ratio Lower Upper

93 100

66 1878.7 32.9 49.3#

65 1342.4 16.0 24.0#



#7

Phenol-d6

Concen: 101.531 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

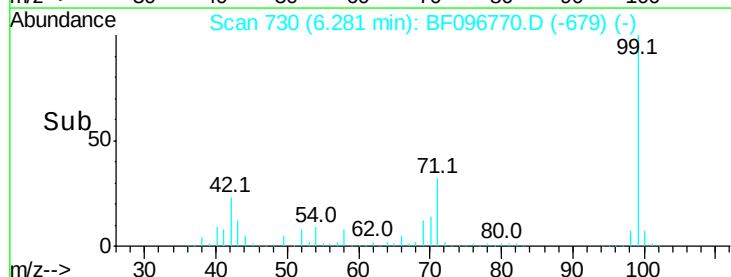
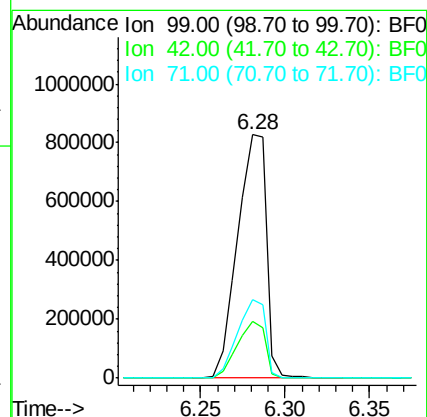
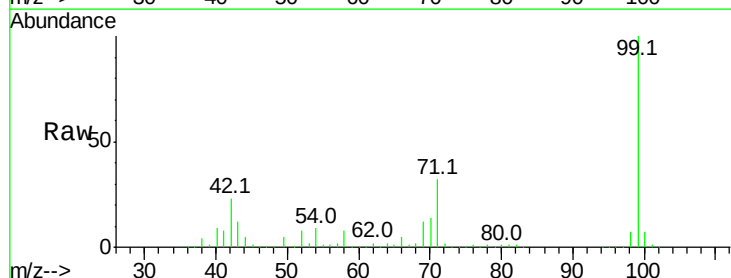
Tgt Ion: 99 Resp: 987879

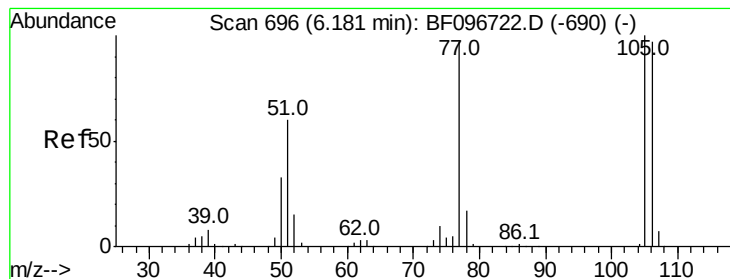
Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

71 32.2 24.5 36.7





#9

Benzaldehyd

Concen: 0.254 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.11 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

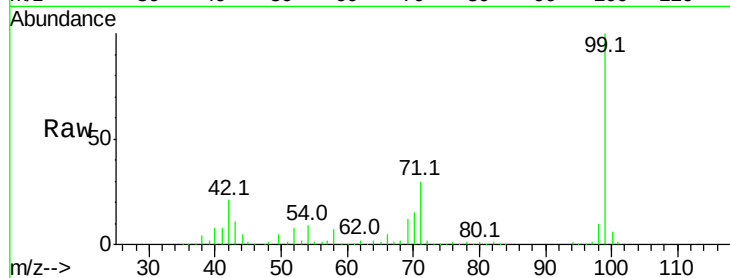
Tot Ion: 77 Resp: 1426

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

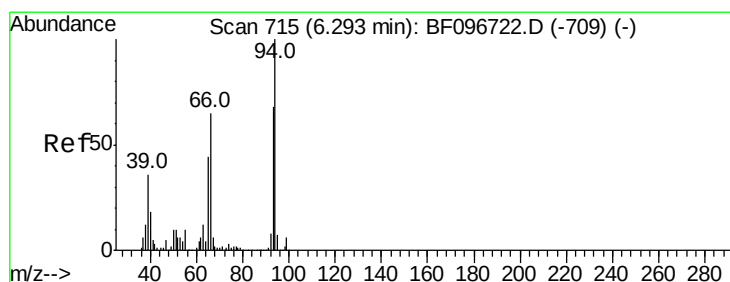
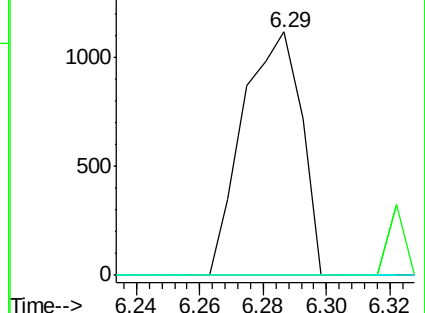
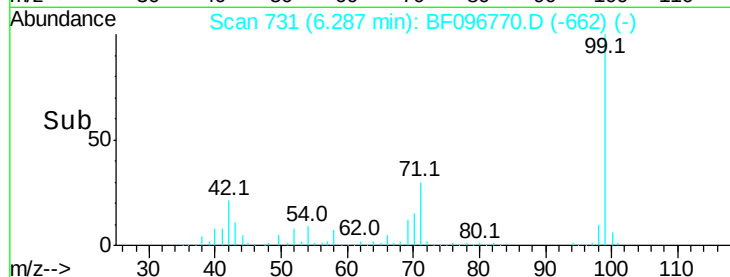
106 0.0 79.1 119.1#



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: 3.222 ng

RT: 6.29 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

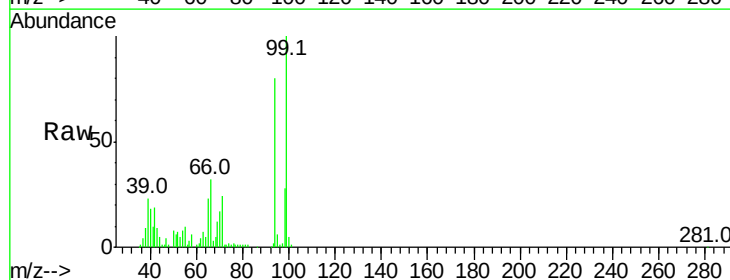
Tgt Ion: 94 Resp: 35444

Ion Ratio Lower Upper

94 100

65 29.0 9.9 49.9

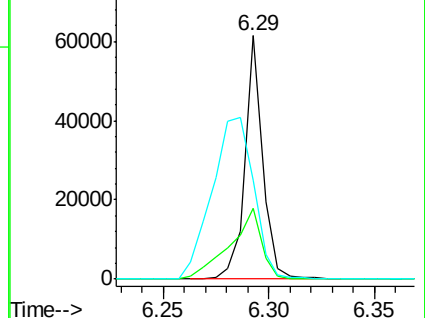
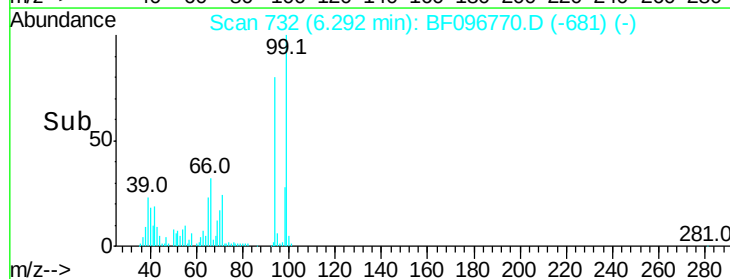
66 40.5 23.1 63.1

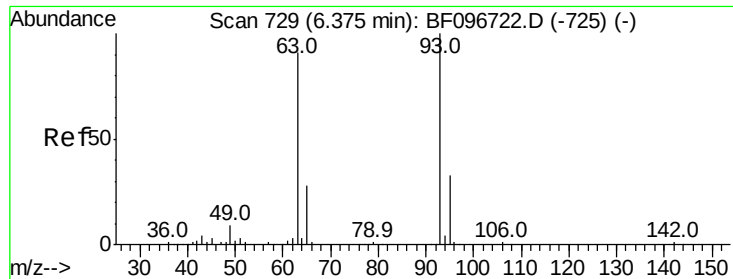


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.118 ng

RT: 6.41 min Scan# 752

Delta R.T. 0.04 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

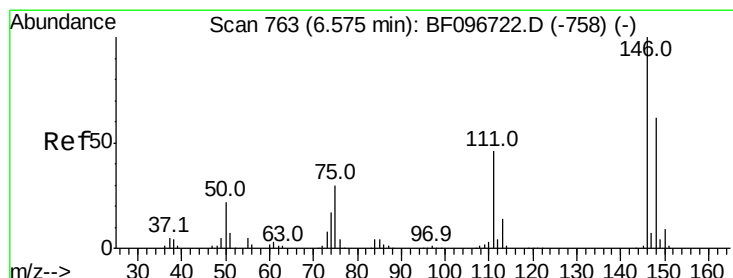
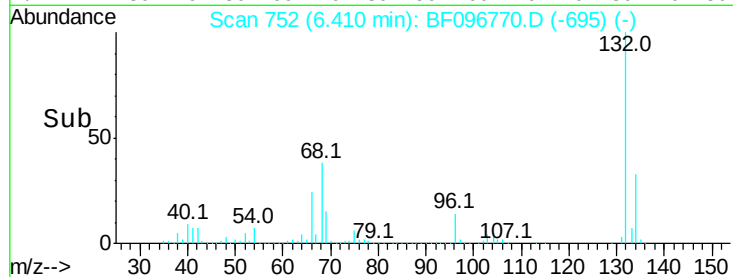
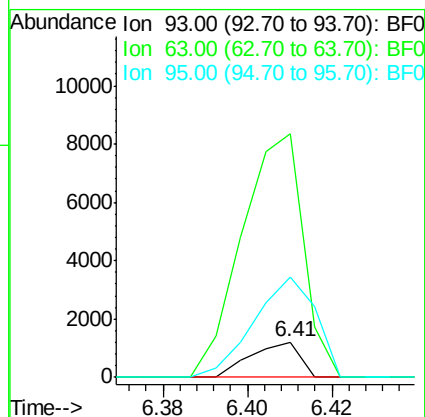
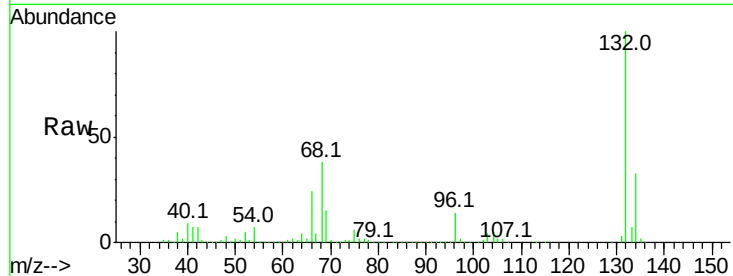
Tot Ion: 93 Resp: 979

Ion Ratio Lower Upper

93 100

63 689.8 59.2 99.2#

95 283.2 12.8 52.8#



#12

1,3-Dichlorobenzene

Concen: 0.026 ng

RT: 6.80 min Scan# 819

Delta R.T. 0.23 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

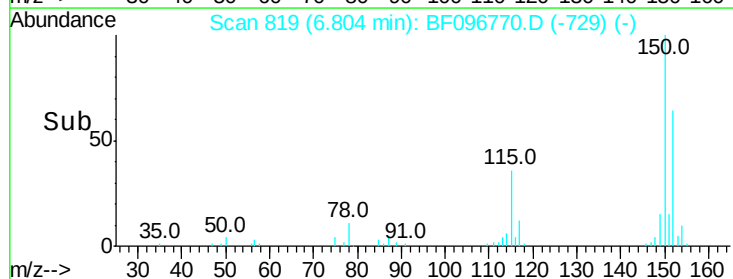
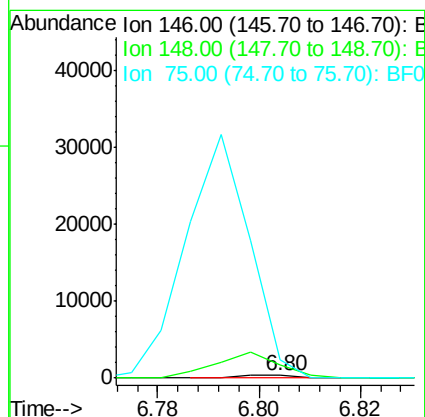
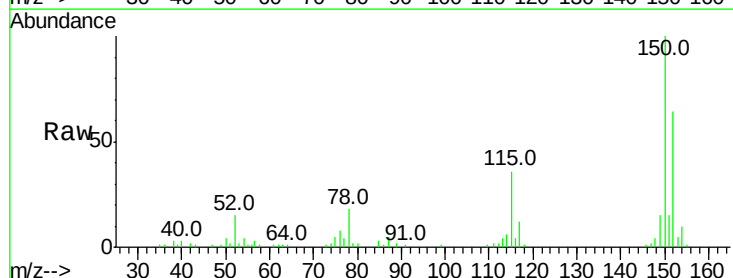
Tgt Ion:146 Resp: 241

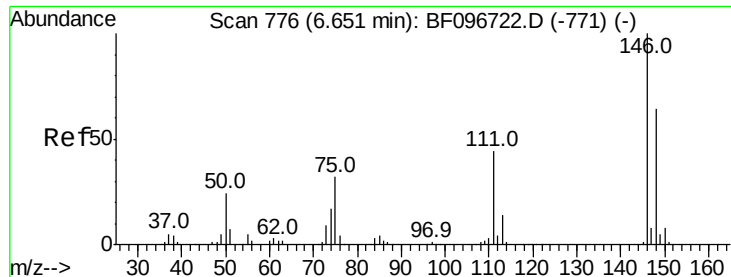
Ion Ratio Lower Upper

146 100

148 470.5 51.8 77.6#

75 636.0 23.1 34.7#

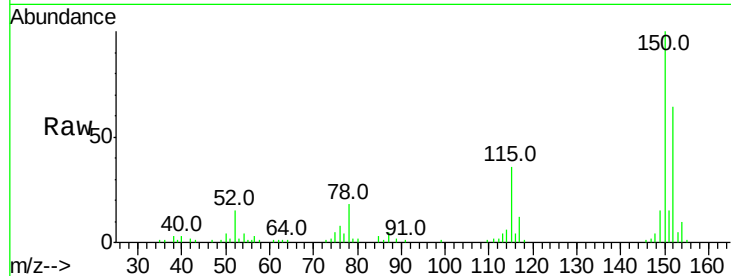




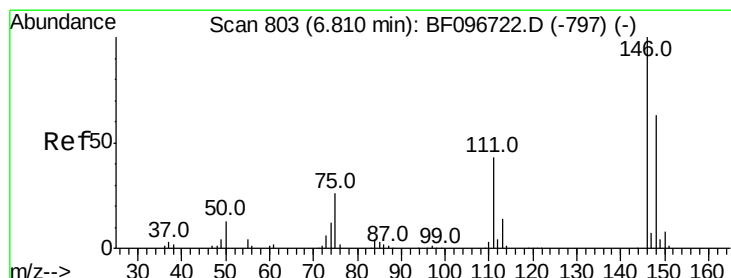
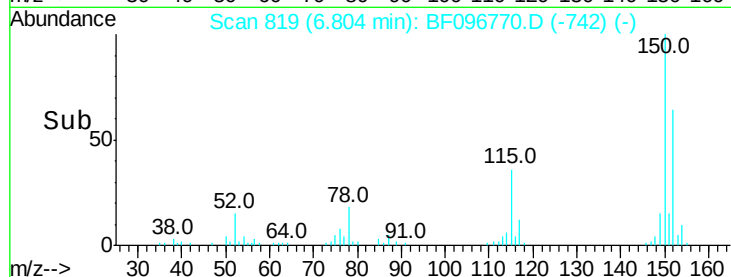
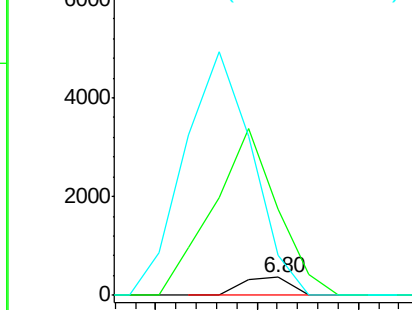
#13
 1,4-Dichlorobenzene
 Concen: 0.026 ng
 RT: 6.80 min Scan# 819
 Delta R.T. 0.15 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 241
 Ion Ratio Lower Upper
 146 100
 148 470.5 52.2 78.2#
 111 221.4 30.3 45.5#

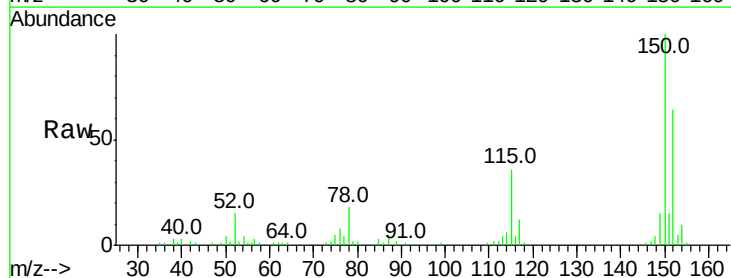


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

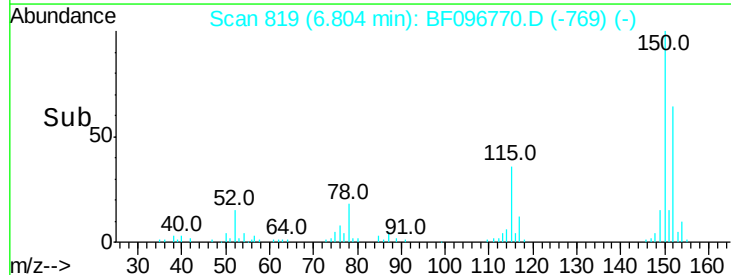
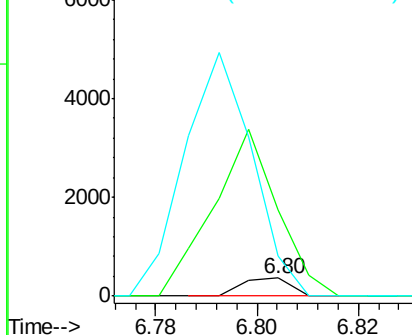


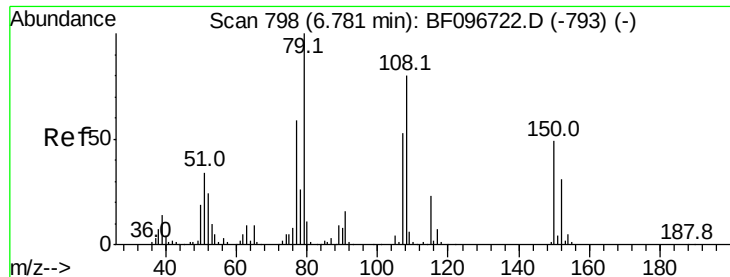
#14
 1,2-Dichlorobenzene
 Concen: 0.028 ng
 RT: 6.80 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion:146 Resp: 241
 Ion Ratio Lower Upper
 146 100
 148 470.5 50.4 75.6#
 111 221.4 38.2 57.4#



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.400 ng

RT: 6.79 min Scan# 817

Delta R.T. 0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

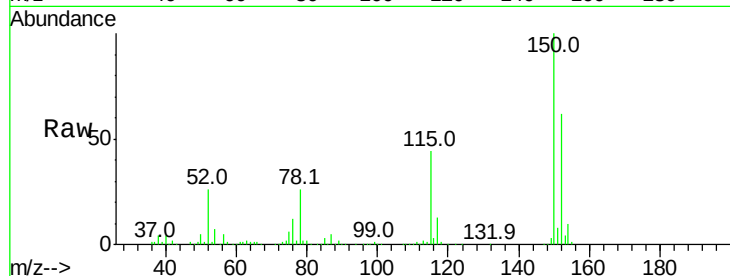
Tot Ion: 79 Resp: 8917

Ion Ratio Lower Upper

79 100

108 27.2 63.4 95.0#

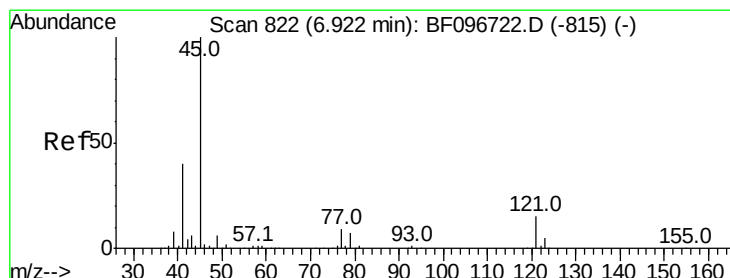
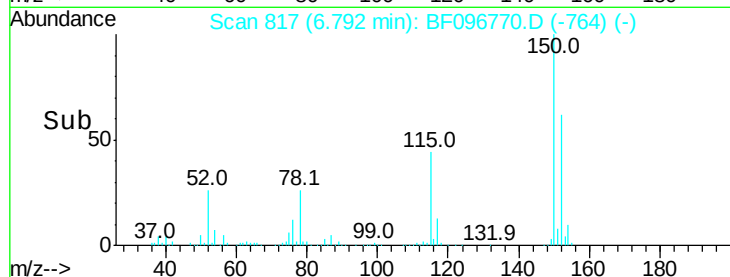
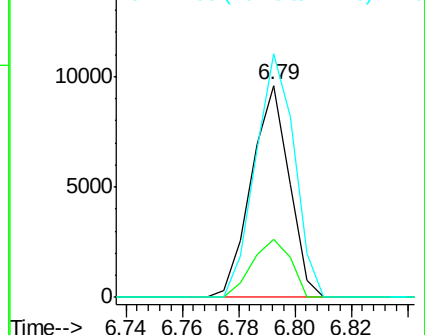
77 115.0 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.007 ng

RT: 6.66 min Scan# 794

Delta R.T. -0.26 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

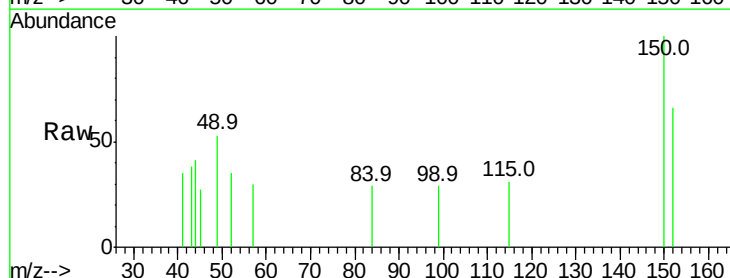
Tgt Ion: 45 Resp: 120

Ion Ratio Lower Upper

45 100

77 0.0 0.0 33.2

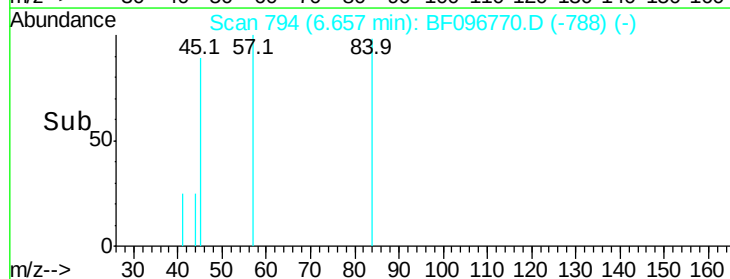
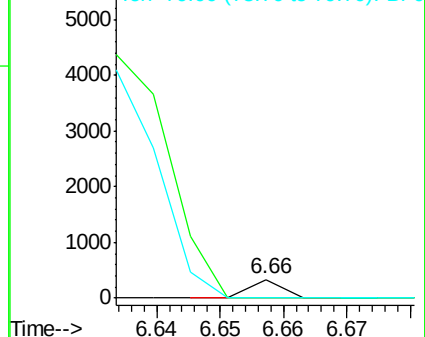
79 0.0 0.0 30.0

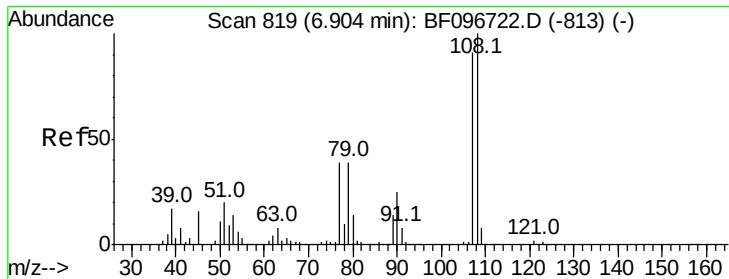


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 0.022 ng

RT: 6.79 min Scan# 817

Delta R.T. -0.11 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 153

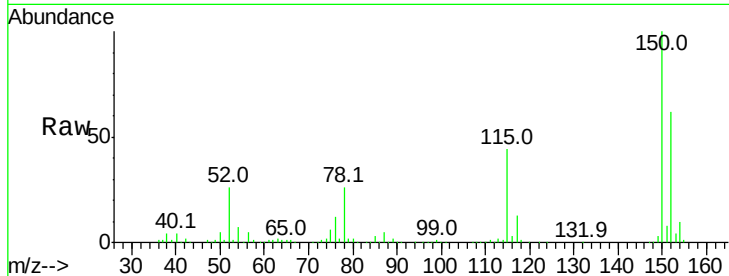
Ion Ratio Lower Upper

107 100

108 602.5 93.4 140.0#

77 2546.4 35.8 53.6#

79 2214.5 34.8 52.2#

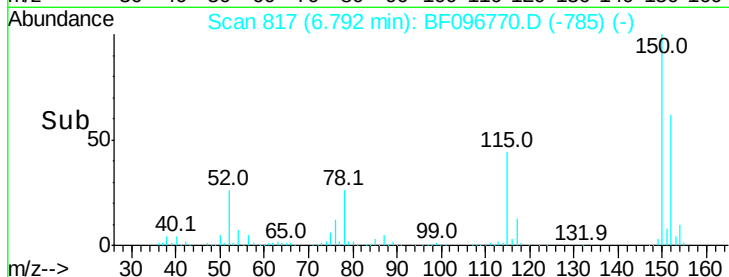


Abundance Ion 107.00 (106.70 to 107.70): E

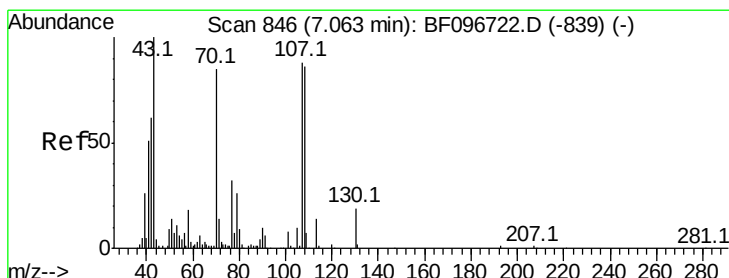
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time--> 6.77 6.78 6.79 6.80 6.81



#19

n-Nitroso-di-n-propylamine

Concen: 12.965 ng

RT: 7.20 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Tgt Ion: 70 Resp: 76000

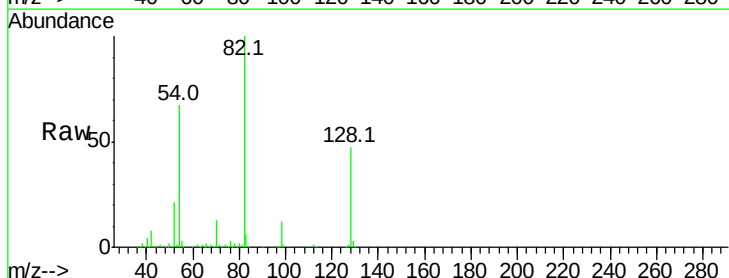
Ion Ratio Lower Upper

70 100

42 59.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

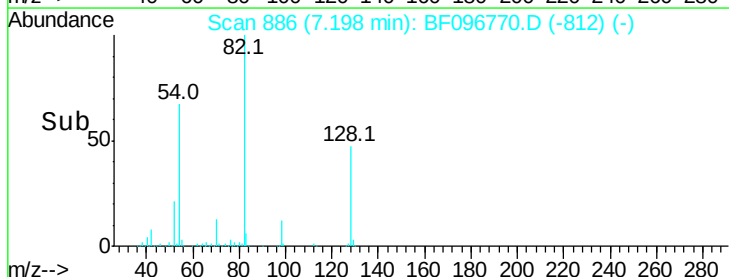


Abundance Ion 70.00 (69.70 to 70.70): BF0

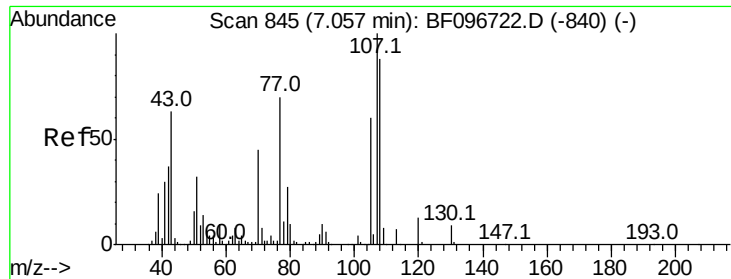
Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



Time--> 7.15 7.20 7.25



#20

3+4-Methylphenols

Concen: 0.019 ng

RT: 6.79 min Scan# 817

Delta R.T. -0.26 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 153

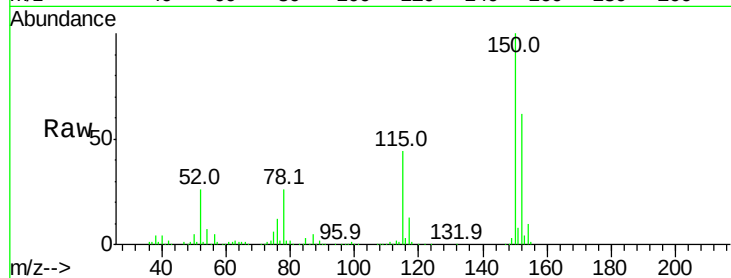
Ion Ratio Lower Upper

107 100

108 602.5 71.0 111.0#

77 2546.4 90.5 130.5#

79 2214.5 8.4 48.4#

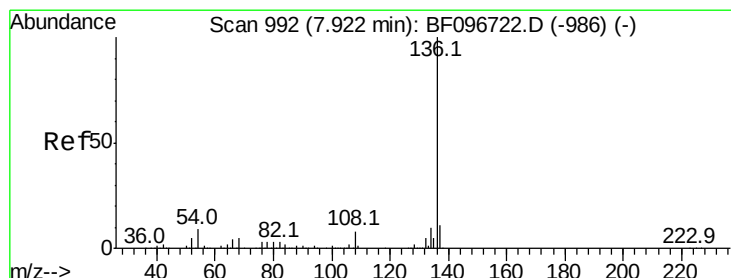
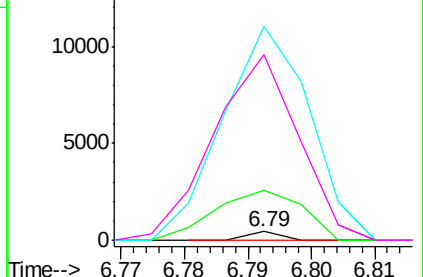
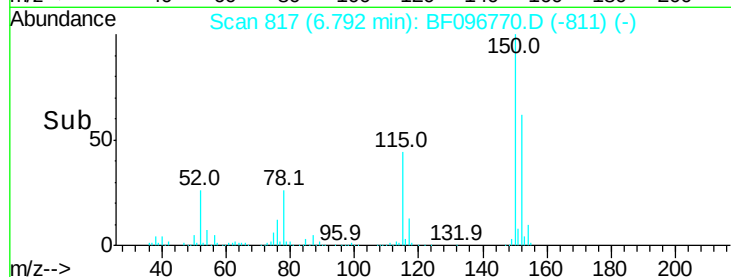


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Tgt Ion:136 Resp: 508939

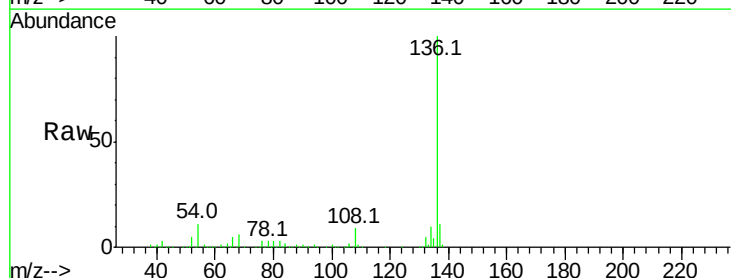
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.5 4.9 7.3#

68 5.9 4.1 6.1

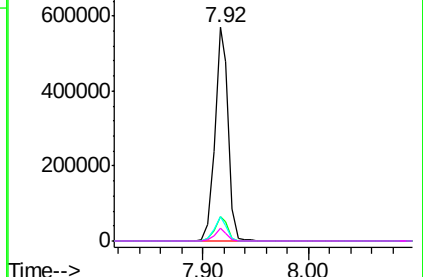
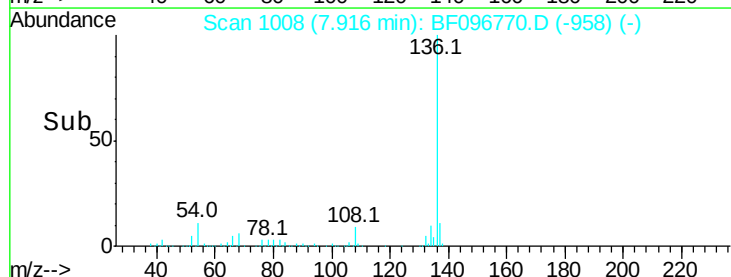


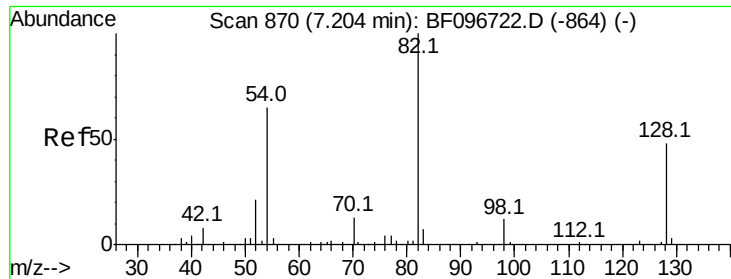
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

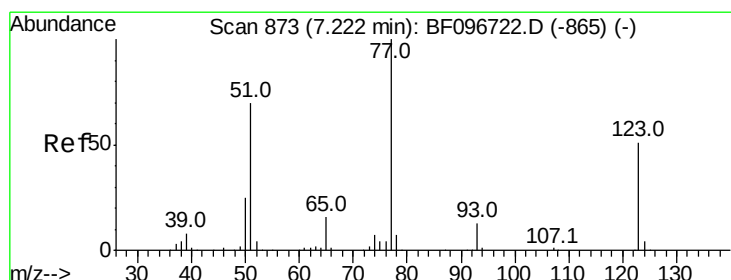
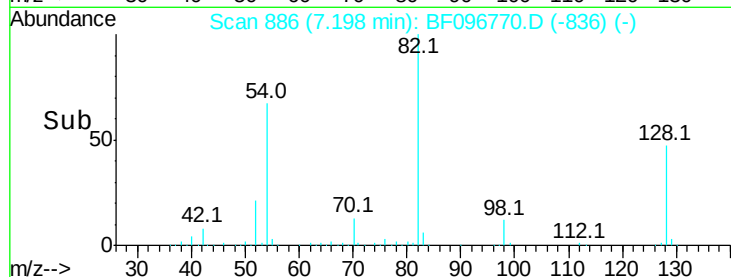
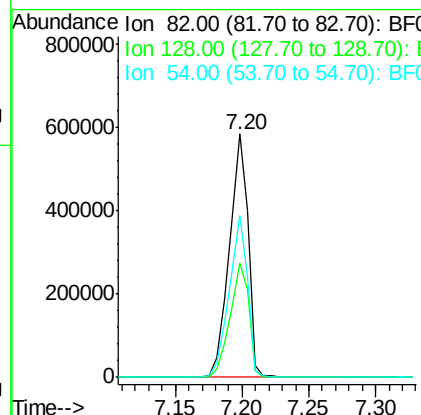
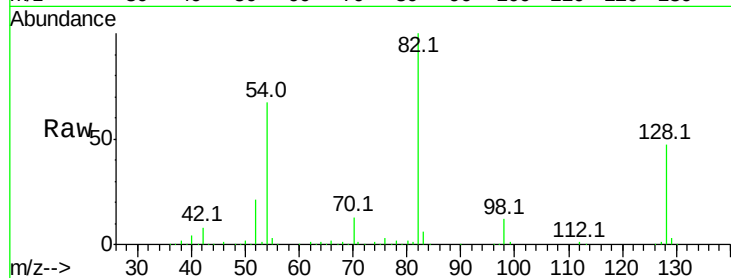




#23
 Nitrobenzene-d5
 Concen: 71.009 ng
 RT: 7.20 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

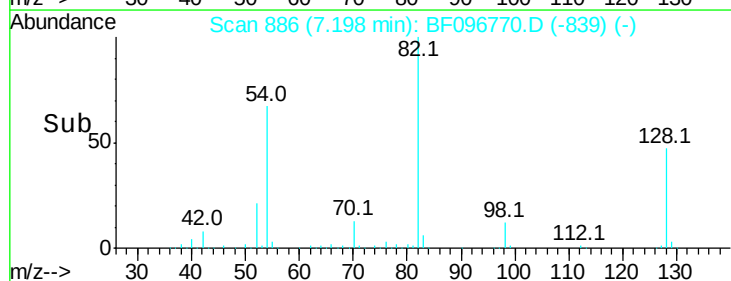
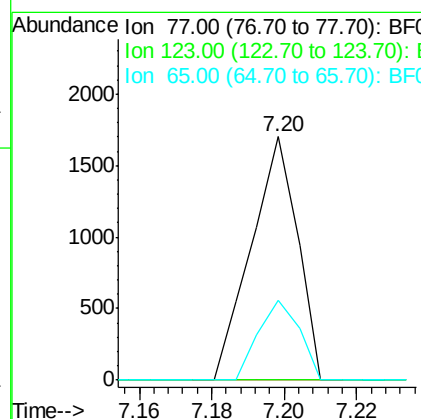
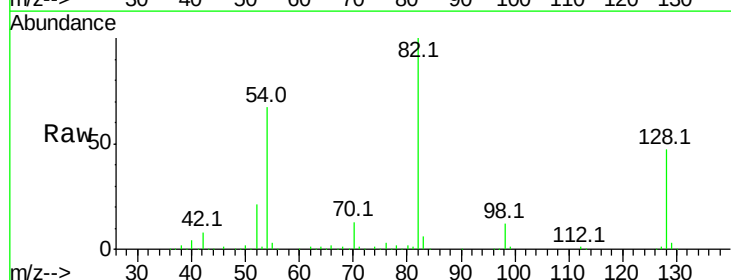
Instrument :
 BNA_F
 ClientSampleId :

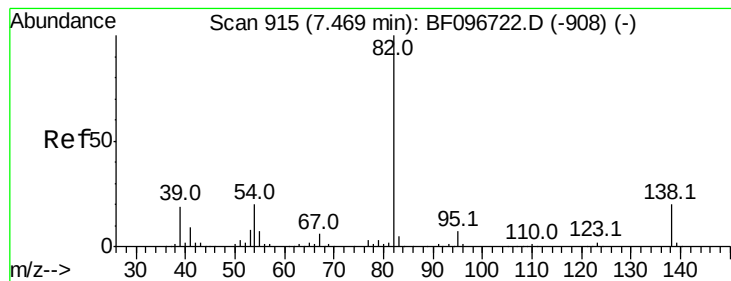
Tot Ion: 82 Resp: 583450
 Ion Ratio Lower Upper
 82 100
 128 47.0 34.0 51.0
 54 66.6 42.2 63.2#



#24
 Nitrobenzene
 Concen: 0.177 ng
 RT: 7.20 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion: 77 Resp: 1504
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 33.0 10.6 15.8#





#25

Isophorone

Concen: 37.863 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

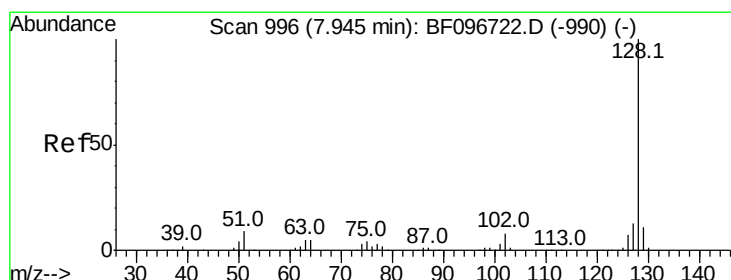
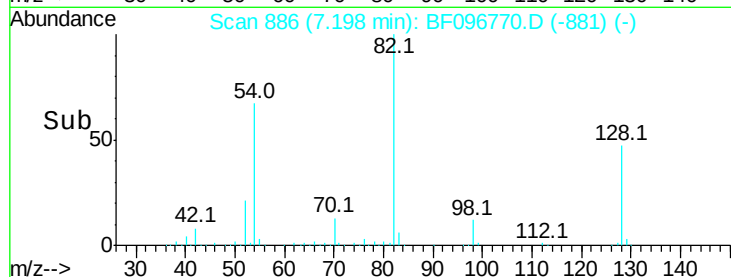
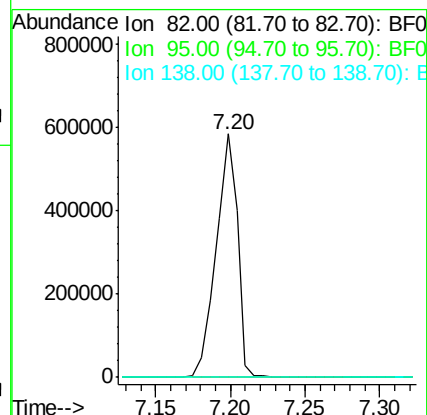
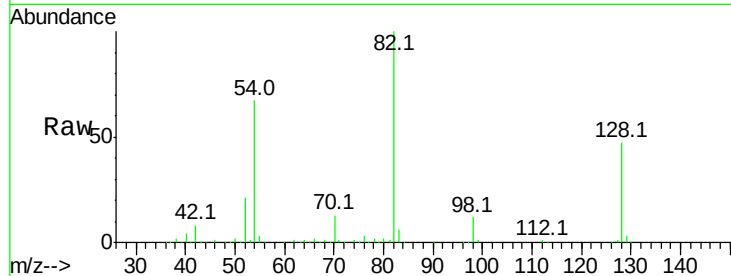
Tot Ion: 82 Resp: 578744

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#31

Naphthalene

Concen: 0.037 ng

RT: 7.94 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

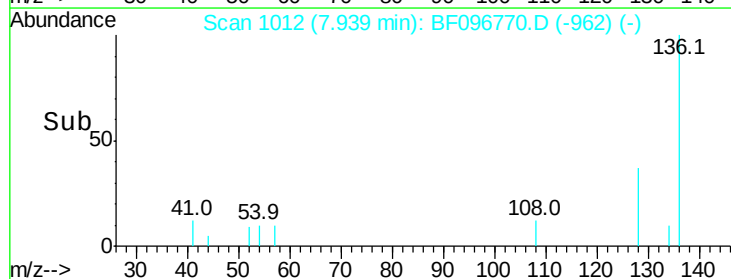
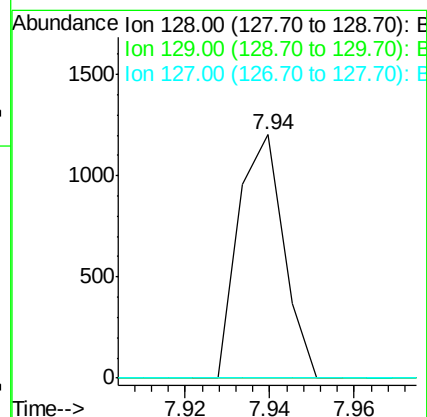
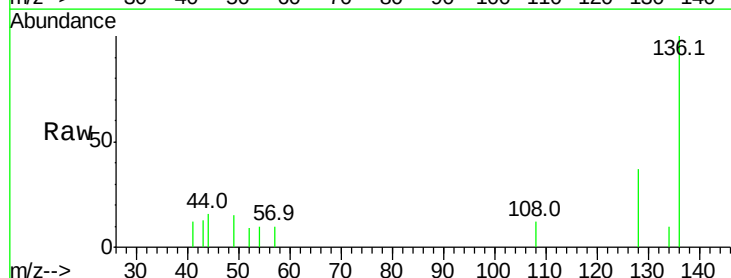
Tgt Ion: 128 Resp: 893

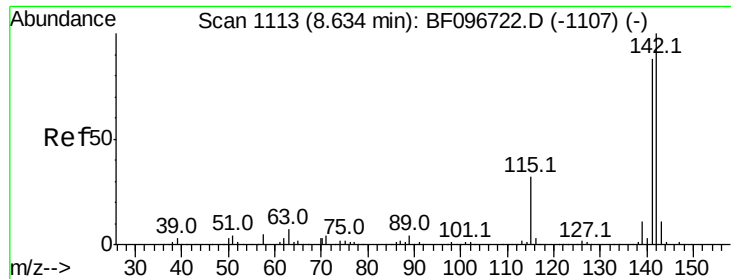
Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.6#

127 0.0 10.8 16.2#





#37

2-Methylnaphthalene

Concen: 0.033 ng

RT: 8.63 min Scan# 1130

Delta R.T. -0.00 min

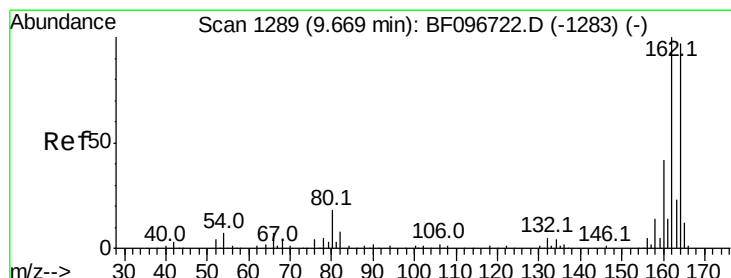
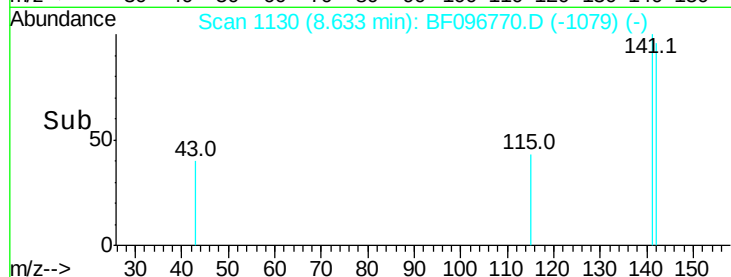
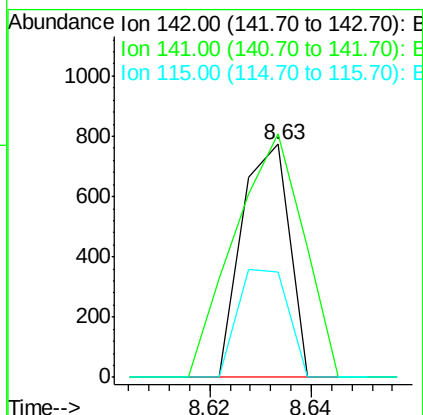
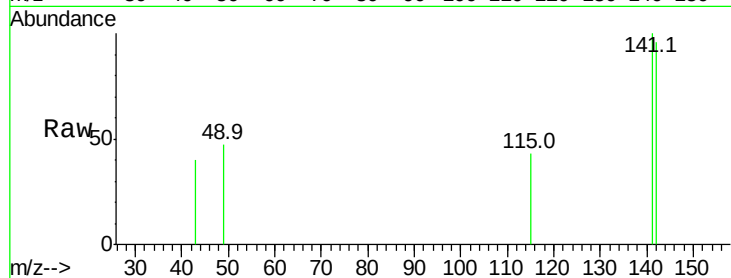
Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 507

Ion	Ratio	Lower	Upper
142	100		
141	104.4	71.3	106.9
115	45.0	27.1	40.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1306

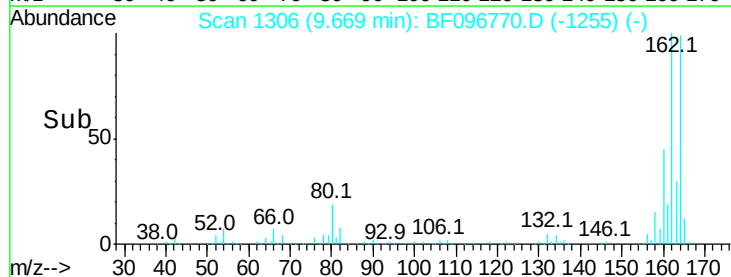
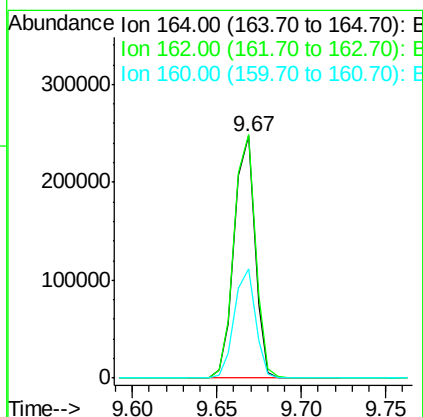
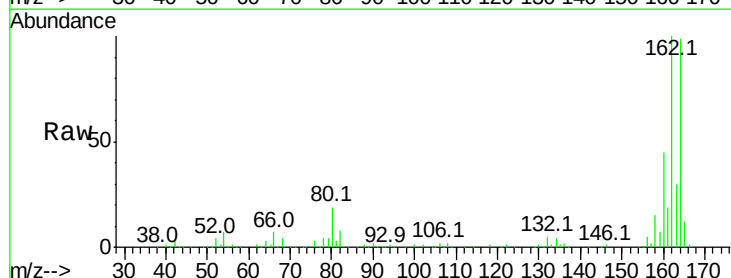
Delta R.T. -0.00 min

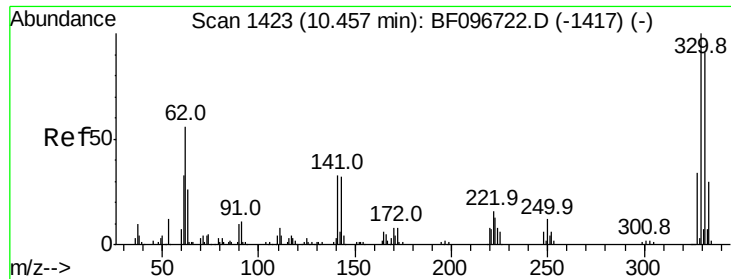
Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Tgt Ion:164 Resp: 212379

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.6	123.8
160	45.2	36.2	54.2

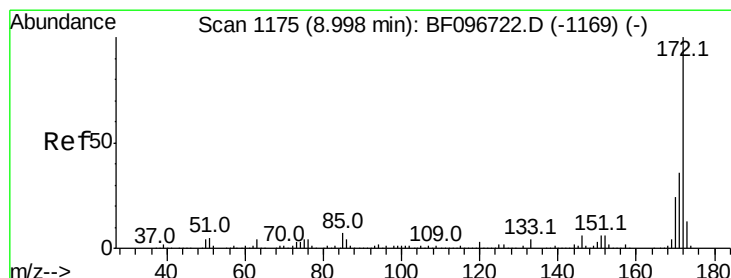
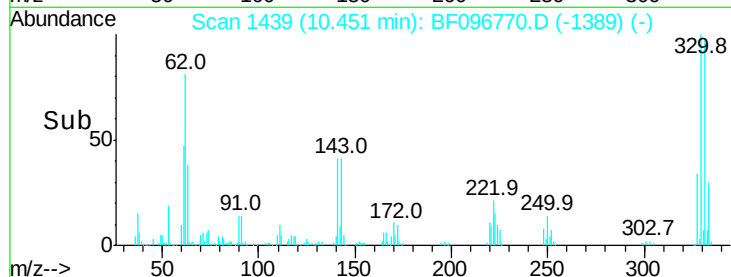
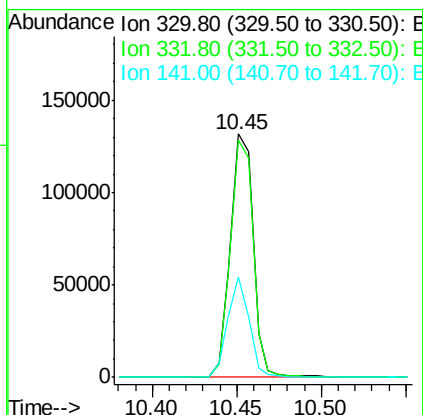
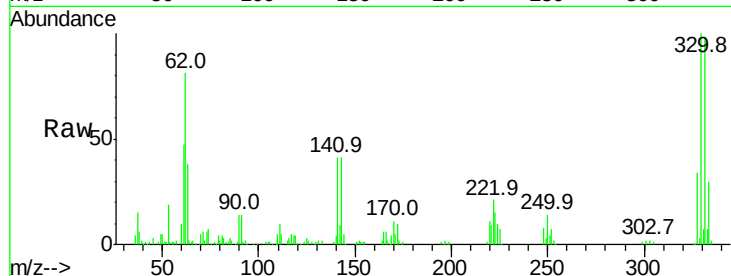




#41
 2,4,6-Tribromophenol
 Concen: 68.439 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

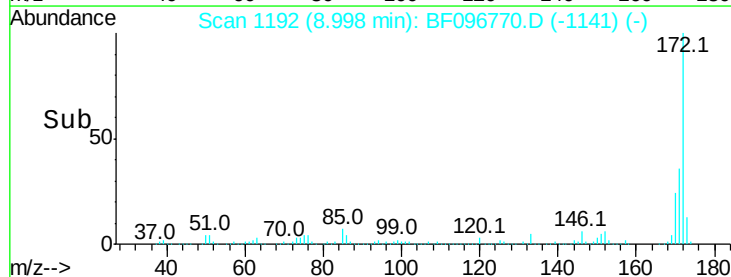
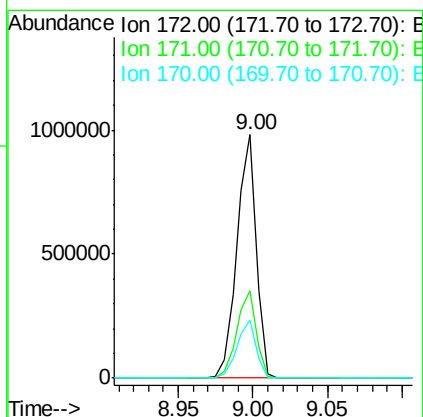
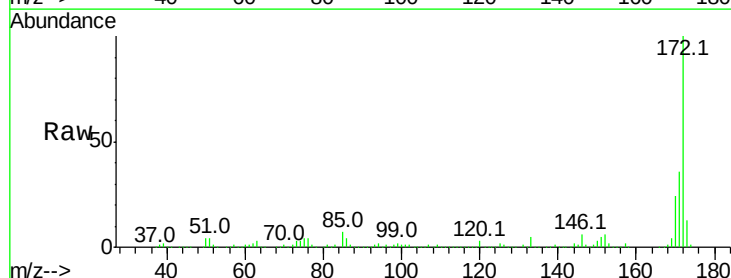
Instrument :
 BNA_F
 ClientSampleId :

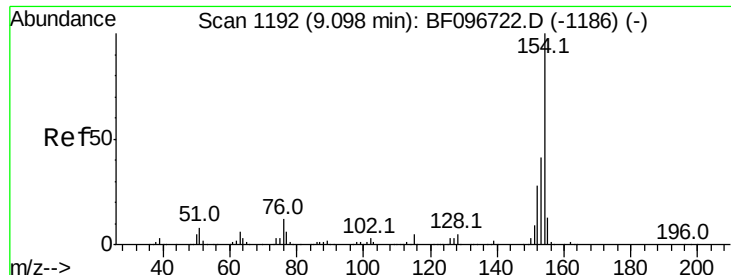
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	38.7	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 66.671 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.8	19.8	29.8





#45

1,1'-Biphenyl

Concen: 0.090 ng

RT: 9.09 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

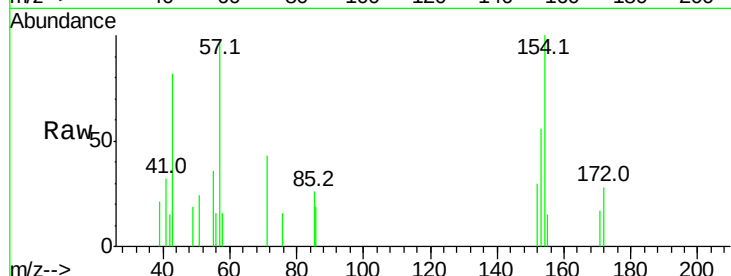
Tot Ion:154 Resp: 1633

Ion Ratio Lower Upper

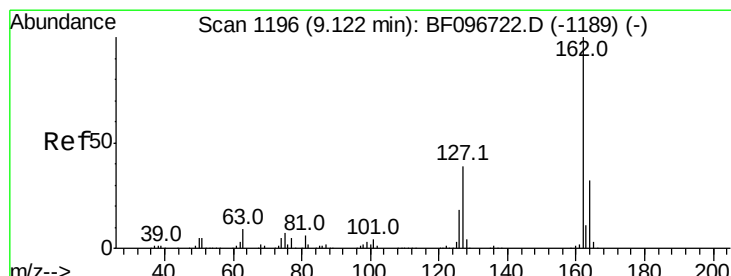
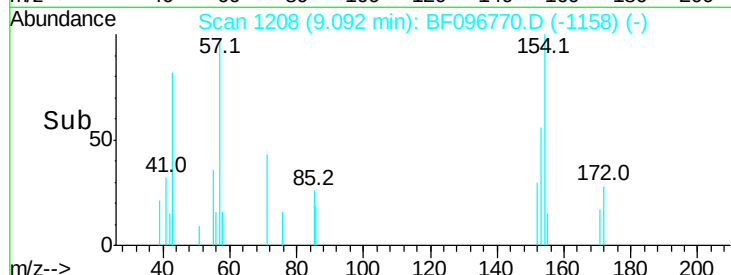
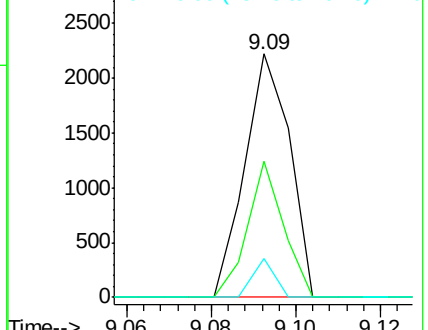
154 100

153 55.7 21.2 61.2

76 16.2 0.0 29.9



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: 0.174 ng

RT: 9.39 min Scan# 1259

Delta R.T. 0.27 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

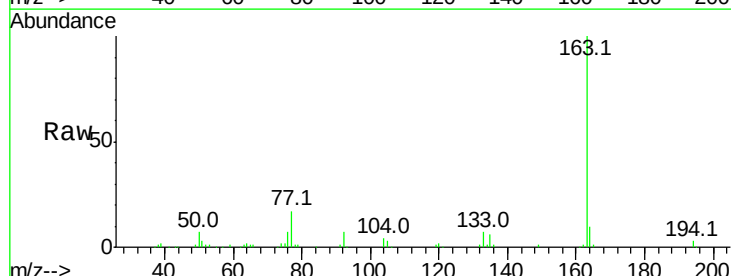
Tgt Ion:162 Resp: 2329

Ion Ratio Lower Upper

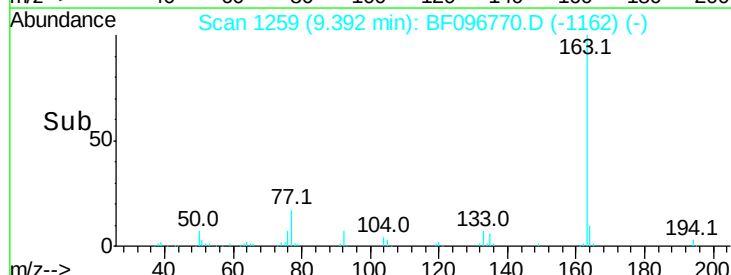
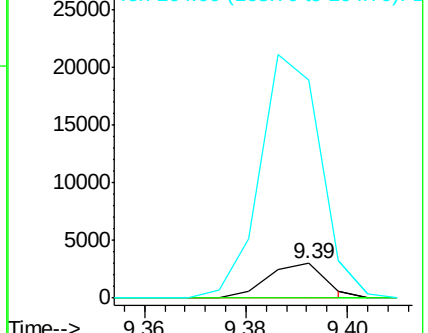
162 100

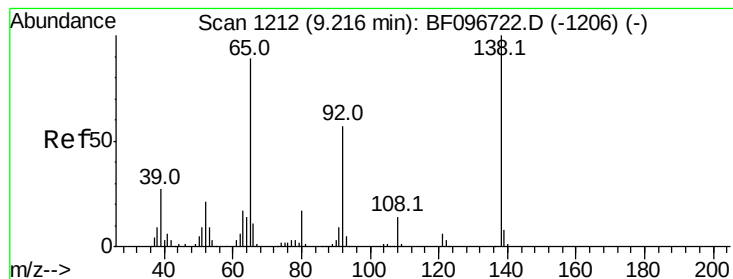
127 0.0 28.3 42.5#

164 634.7 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: 0.352 ng

RT: 9.39 min Scan# 1259

Delta R.T. 0.18 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

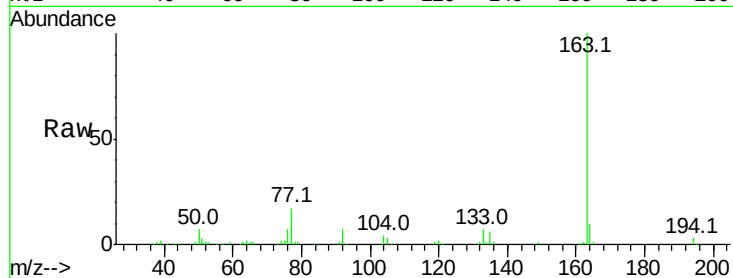
Tot Ion: 65 Resp: 1621

Ion Ratio Lower Upper

65 100

92 780.5 53.9 80.9#

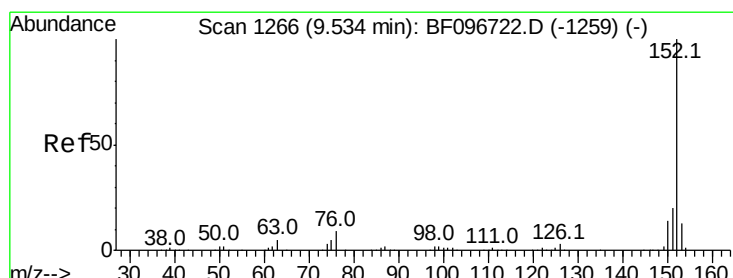
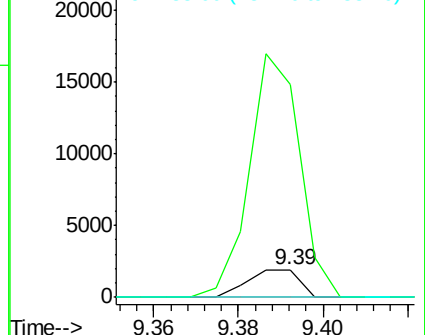
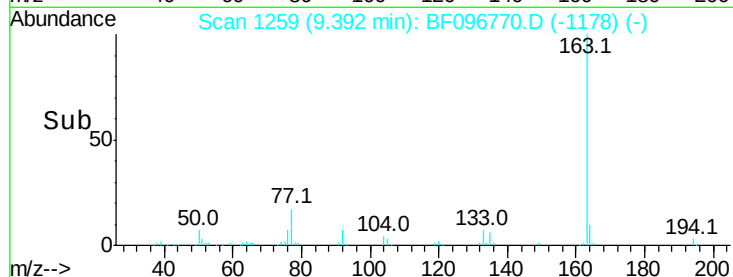
138 0.0 78.8 118.2#



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): BF0



#48

Acenaphthylene

Concen: 0.014 ng

RT: 9.53 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

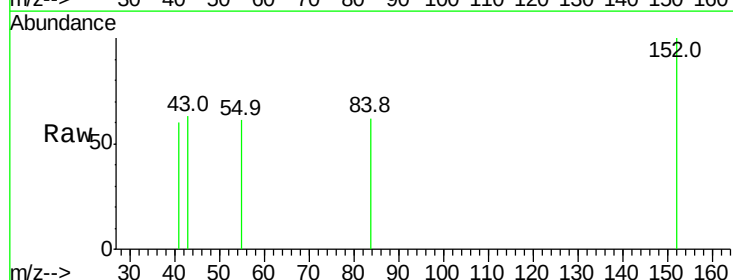
Tgt Ion: 152 Resp: 295

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#

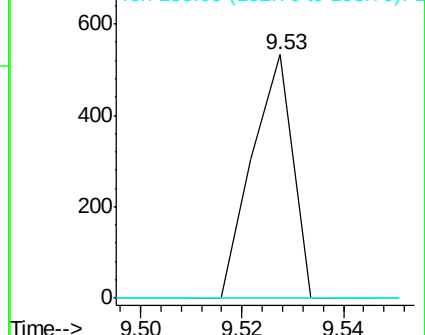
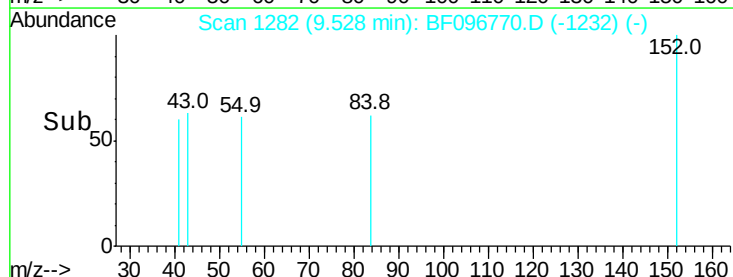
153 0.0 10.8 16.2#

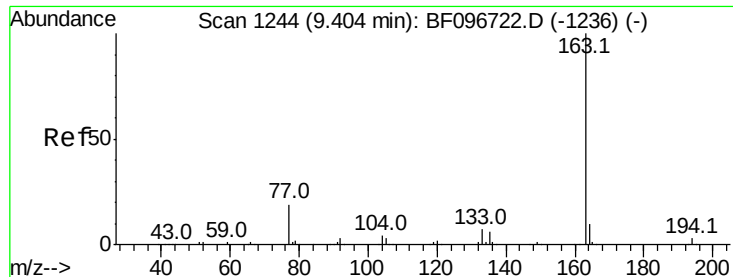


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

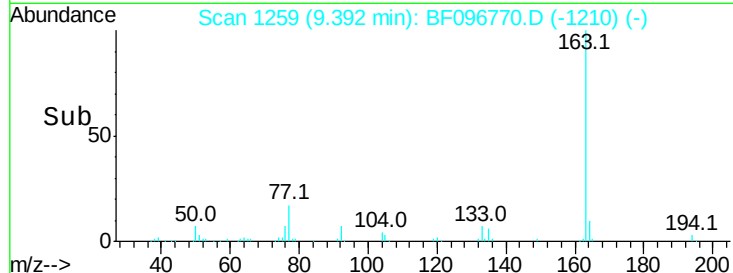
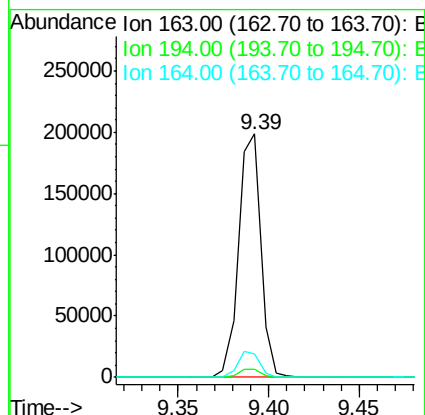
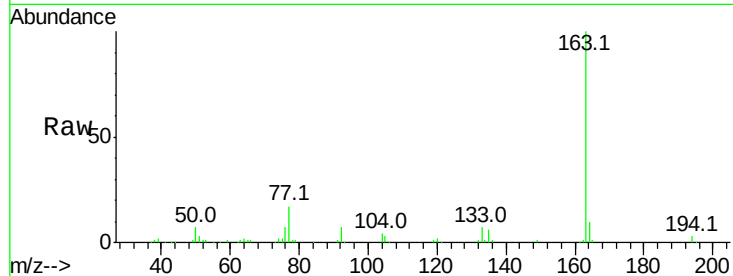




#49
Dimethylphthalate
Concen: 10.689 ng
RT: 9.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

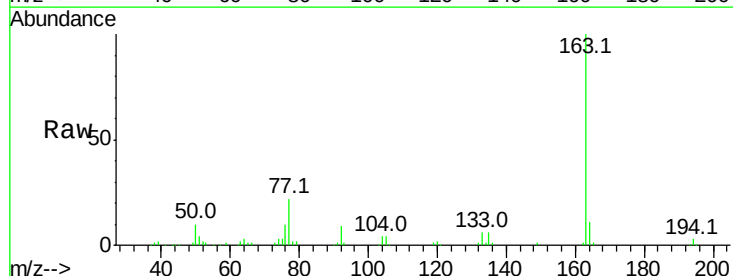
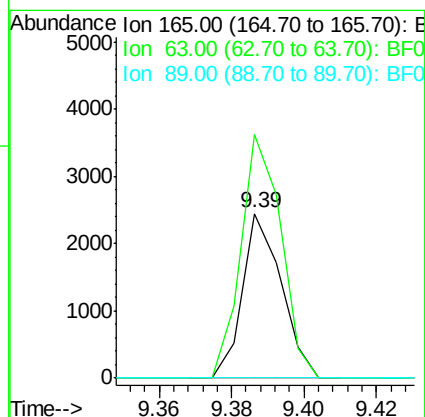
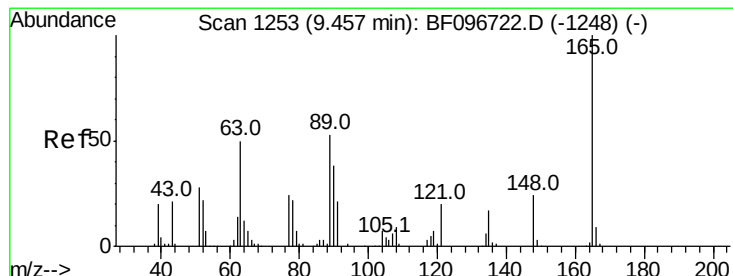
Instrument :
BNA_F
ClientSampleId :

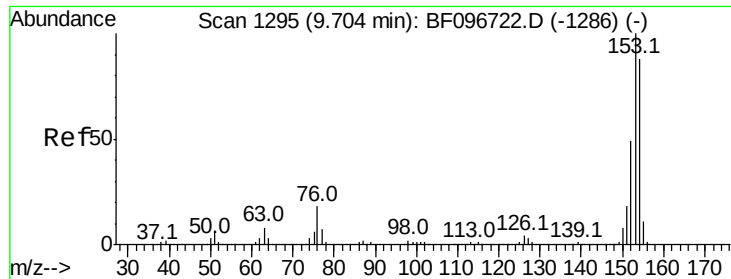
Tot Ion:163 Resp: 170937
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.5 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 0.525 ng
RT: 9.39 min Scan# 1258
Delta R.T. -0.07 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion:165 Resp: 1820
Ion Ratio Lower Upper
165 100
63 147.7 34.3 51.5#
89 0.0 37.1 55.7#





#51

Acenaphthene

Concen: 0.068 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.04 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

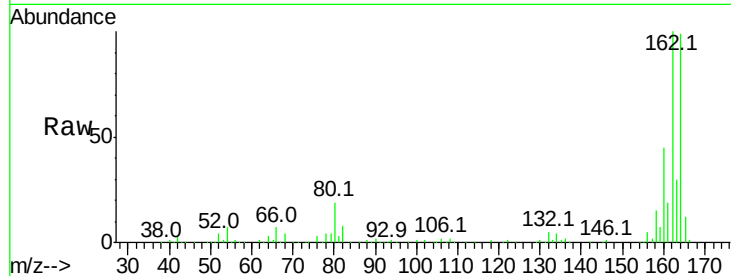
Tot Ion:154 Resp: 862

Ion Ratio Lower Upper

154 100

153 0.0 90.5 135.7#

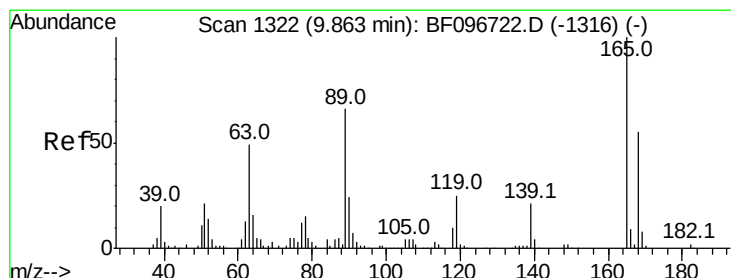
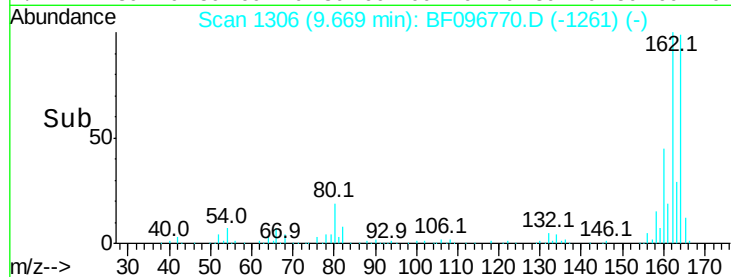
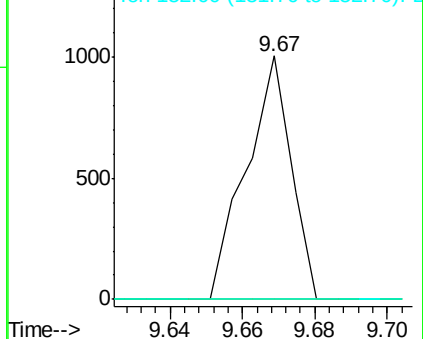
152 0.0 43.6 65.4#



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



#56

2,4-Dinitrotoluene

Concen: 5.971 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.19 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Tgt Ion:165 Resp: 26578

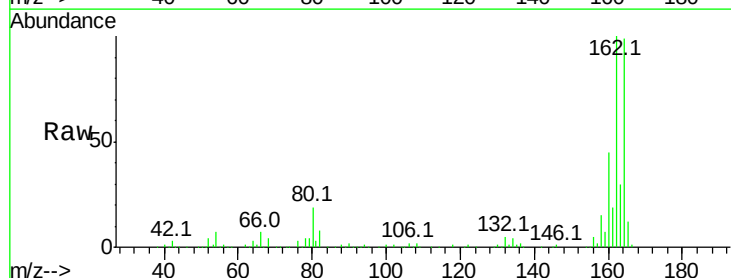
Ion Ratio Lower Upper

165 100

63 1.0 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

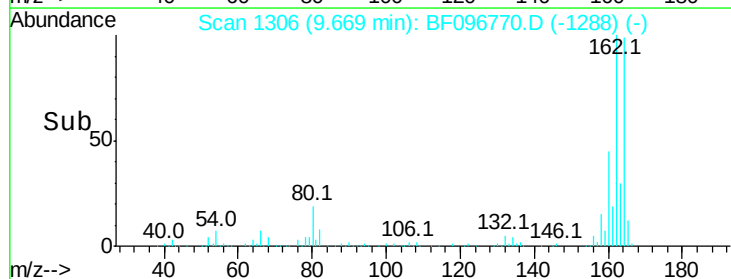
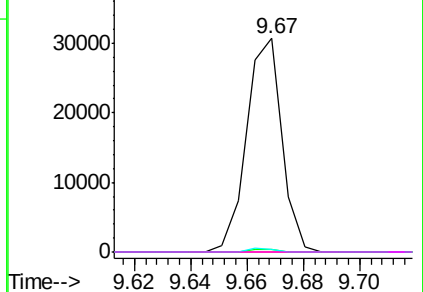


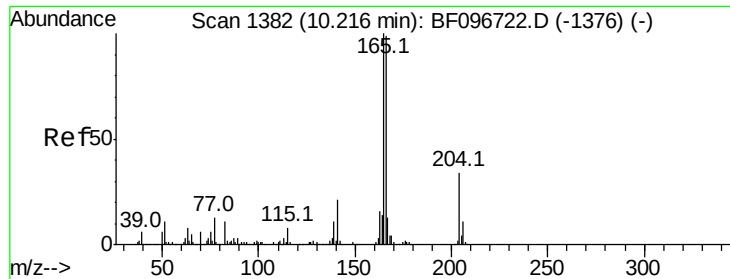
Abundance Ion 165.00 (164.70 to 165.70): E

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

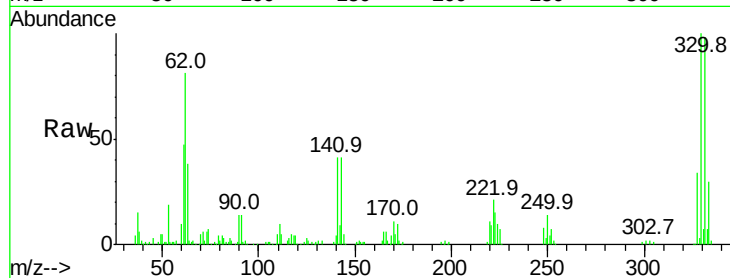




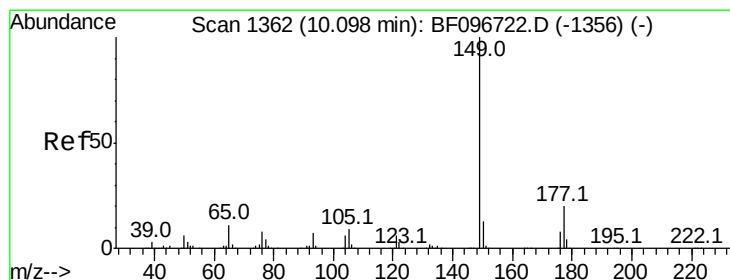
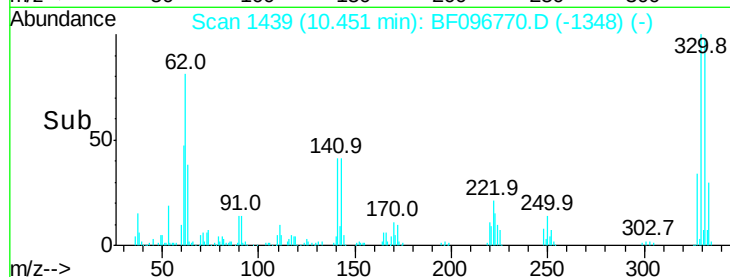
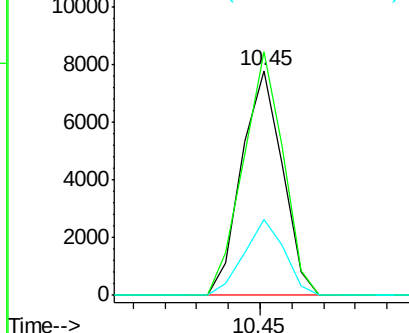
#57
 Fluorene
 Concen: 0.532 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. 0.24 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 6952
 Ion Ratio Lower Upper
 166 100
 165 108.2 78.8 118.2
 167 33.6 10.6 16.0#

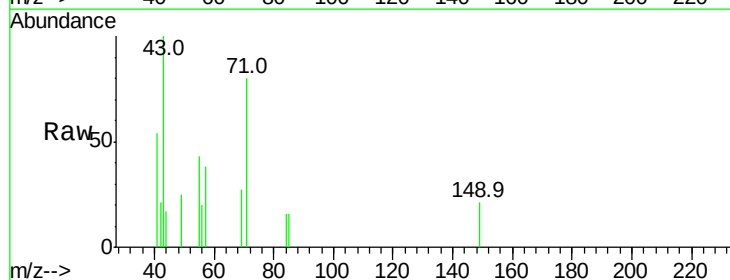


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

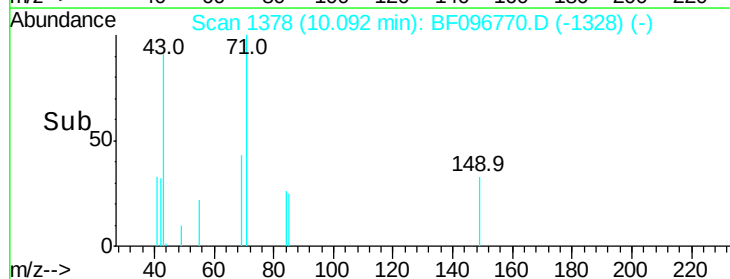
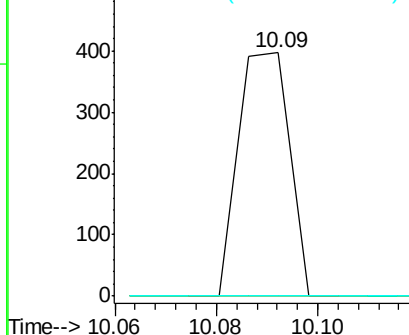


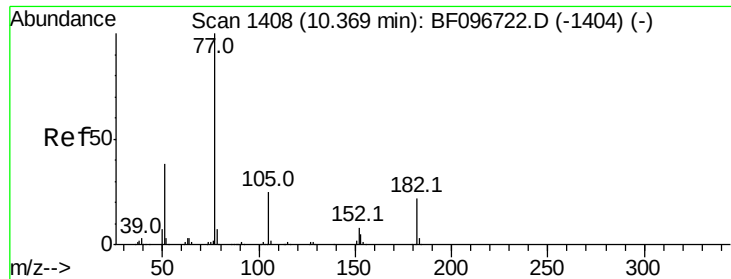
#59
 Diethylphthalate
 Concen: 0.018 ng
 RT: 10.09 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion:149 Resp: 279
 Ion Ratio Lower Upper
 149 100
 177 0.0 16.7 25.1#
 150 0.0 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.055 ng

RT: 10.45 min Scan# 1439

Delta R.T. 0.08 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 752

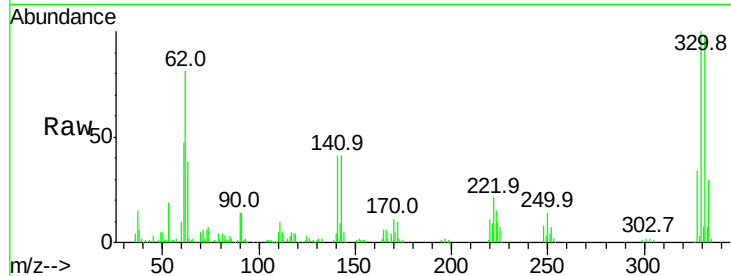
Ion Ratio Lower Upper

77 100

182 0.0 0.1 40.1#

105 93.2 3.6 43.6#

51 150.8 9.4 49.4#

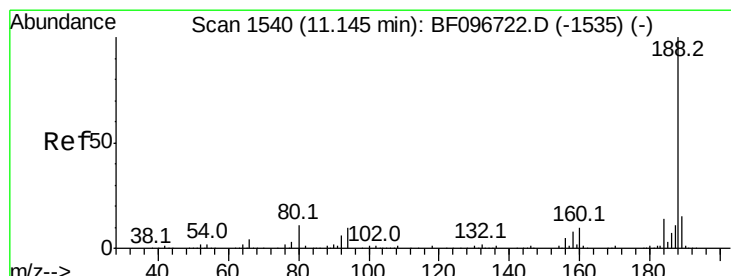
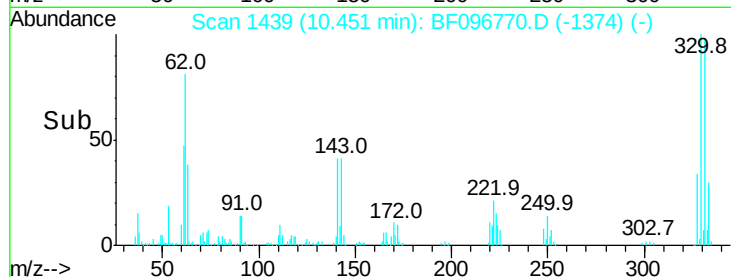
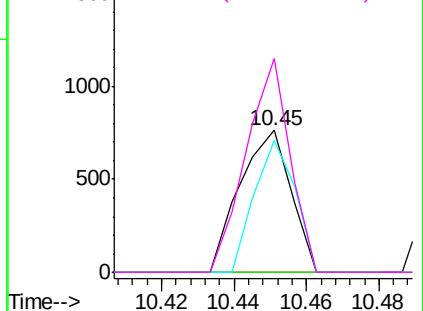


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

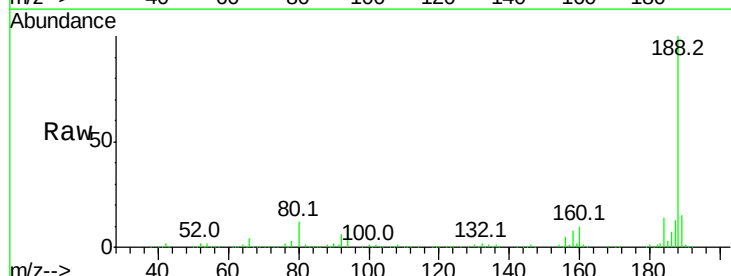
Tgt Ion: 188 Resp: 304142

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

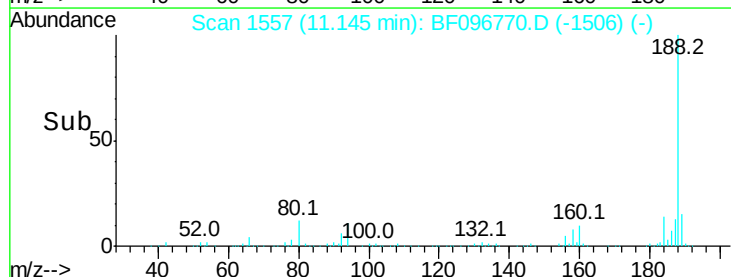
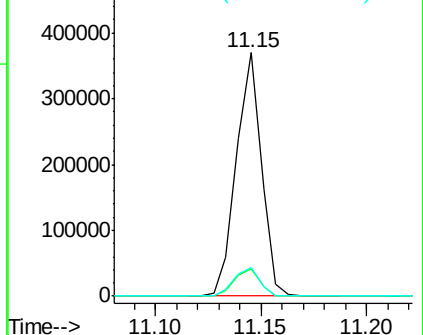
80 11.5 10.2 15.2

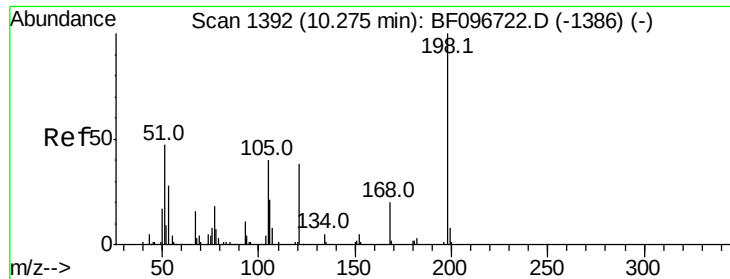


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

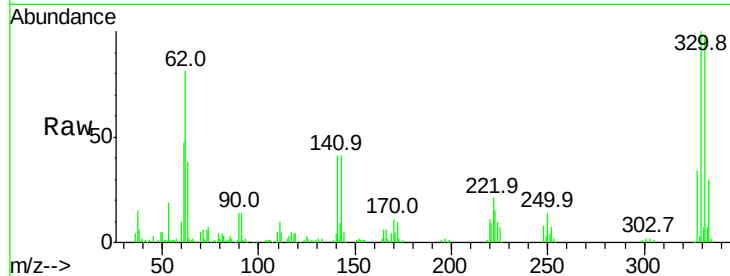




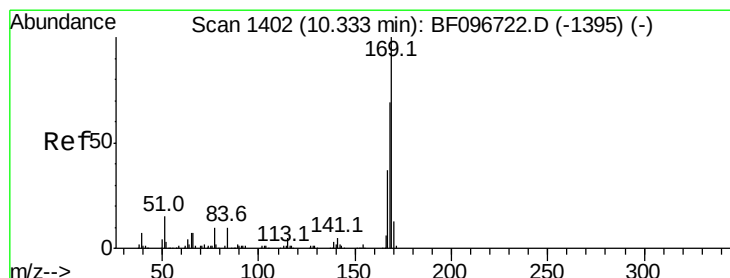
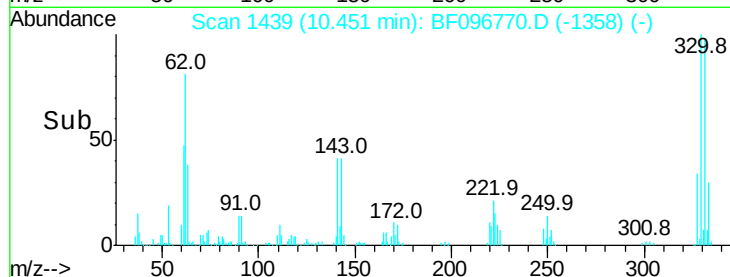
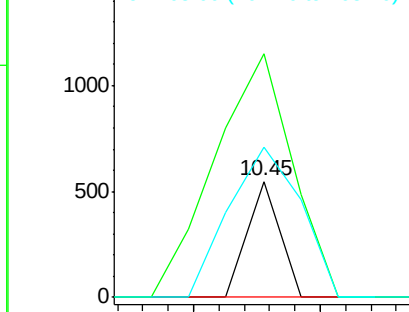
#64
4,6-Dinitro-2-methylphenol
Concen: 0.102 ng
RT: 10.45 min Scan# 1439
Delta R.T. 0.18 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	198	Resp	194
Ion Ratio	Lower	Upper	
198	100		
51	209.3	53.2	93.2#
105	129.3	45.8	85.8#

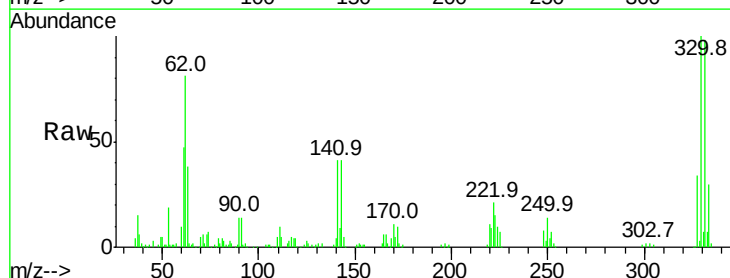


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

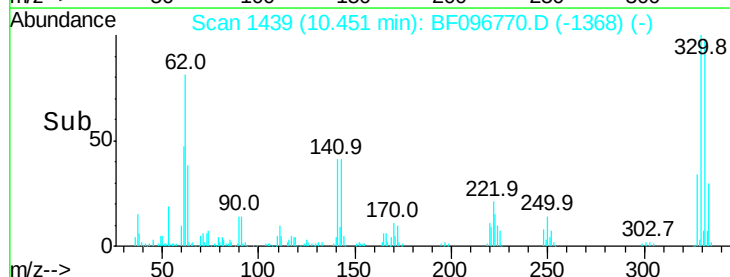
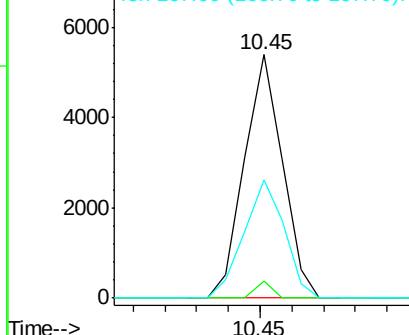


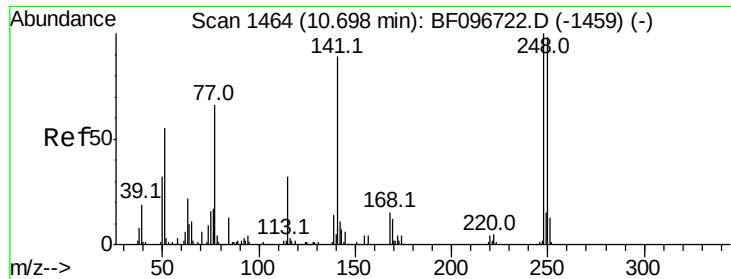
#65
n-Nitrosodiphenylamine
Concen: 0.415 ng
RT: 10.45 min Scan# 1439
Delta R.T. 0.12 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion	169	Resp	4508
Ion Ratio	Lower	Upper	
169	100		
168	7.2	53.2	79.8#
167	48.7	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

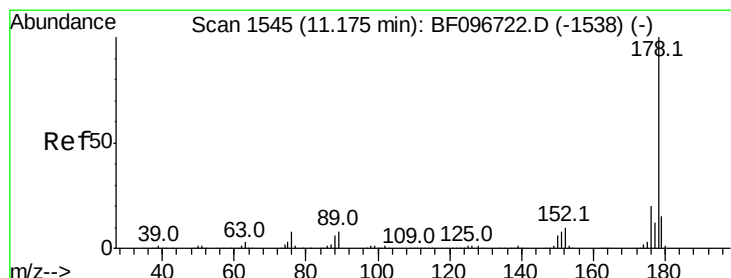
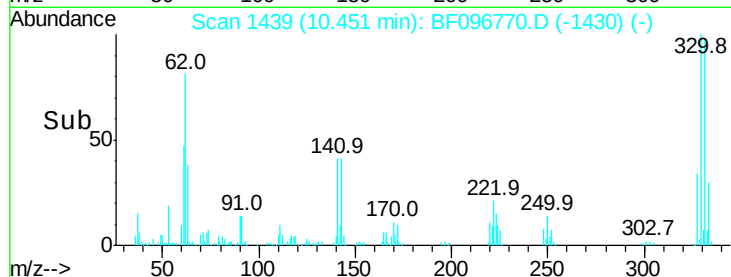
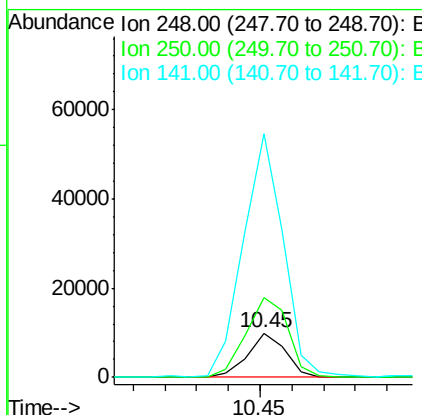
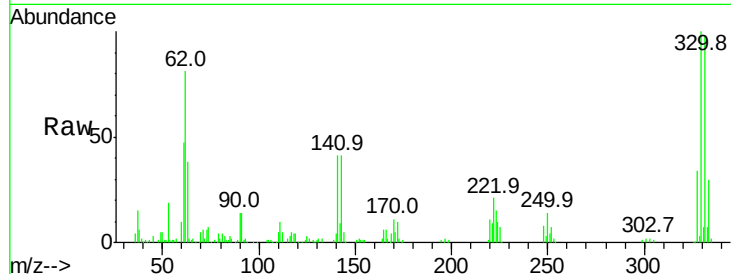




#66
 4-Bromophenyl-phenylether
 Concen: 2.626 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

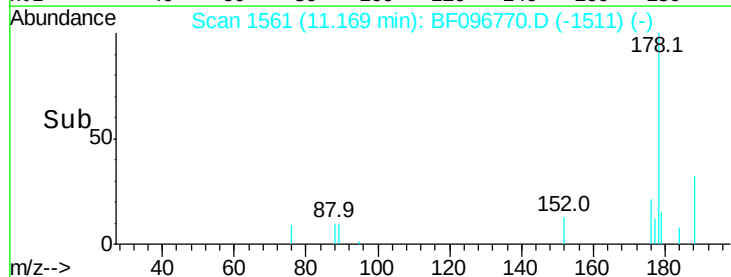
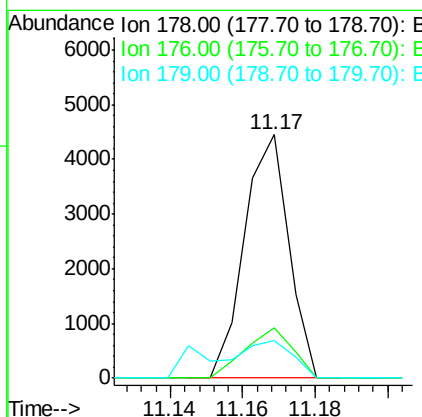
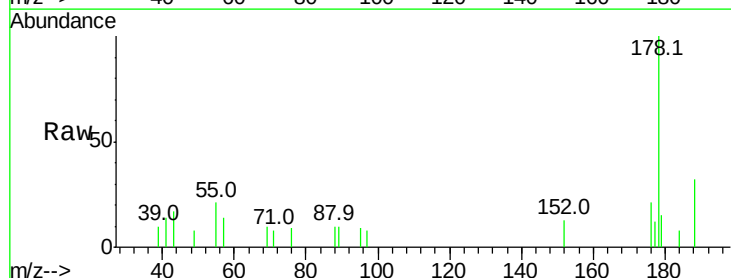
Instrument :
 BNA_F
 ClientSampleId :

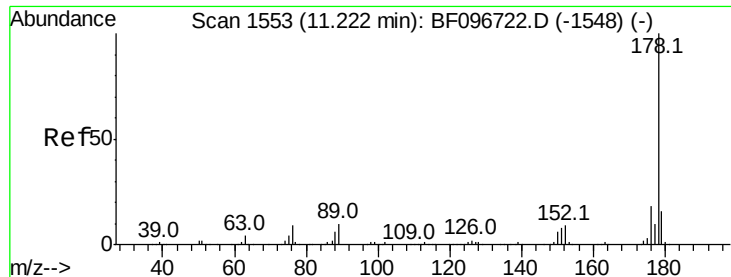
Tot Ion:248 Resp: 8155
 Ion Ratio Lower Upper
 248 100
 250 182.1 76.8 115.2#
 141 551.9 68.6 103.0#



#70
 Phenanthrene
 Concen: 0.227 ng
 RT: 11.17 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion:178 Resp: 3760
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.2 24.4
 179 15.2 12.6 19.0

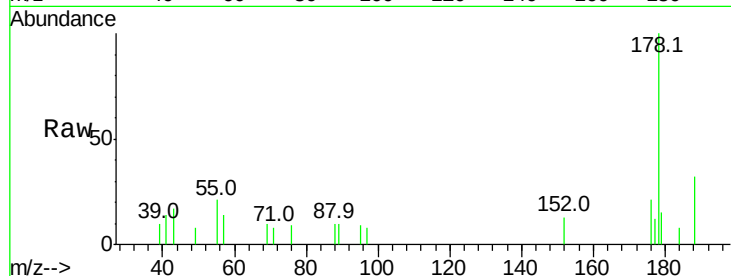




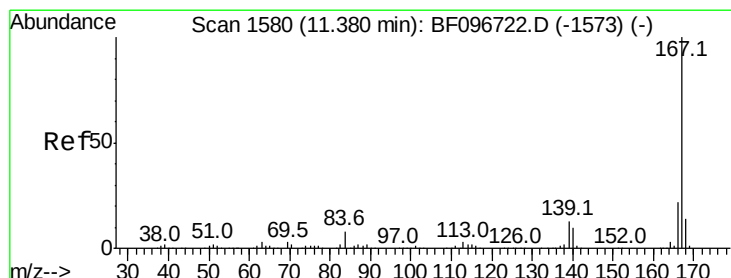
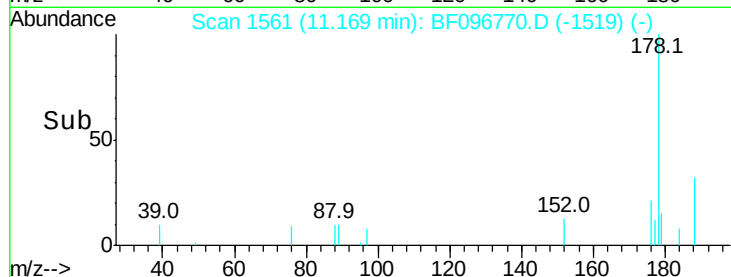
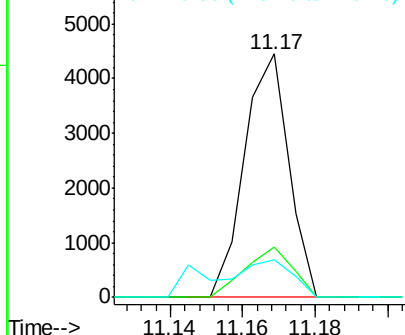
#71
 Anthracene
 Concen: 0.225 ng
 RT: 11.17 min Scan# 1561
 Delta R.T. -0.05 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 3760
 Ion Ratio Lower Upper
 178 100
 176 20.7 15.8 23.8
 179 15.2 12.7 19.1

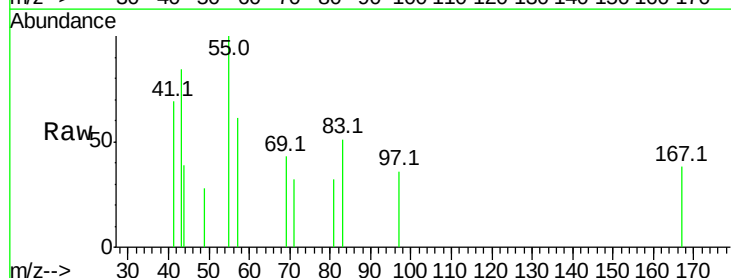


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

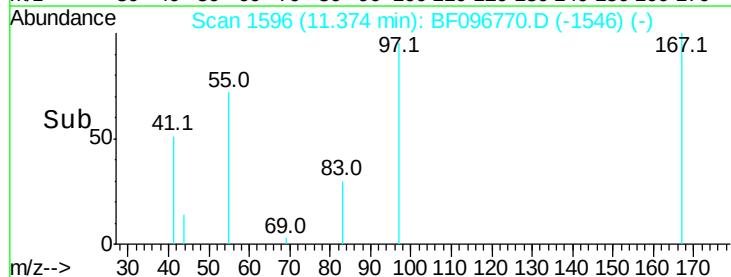
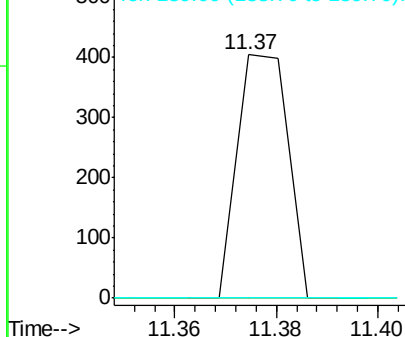


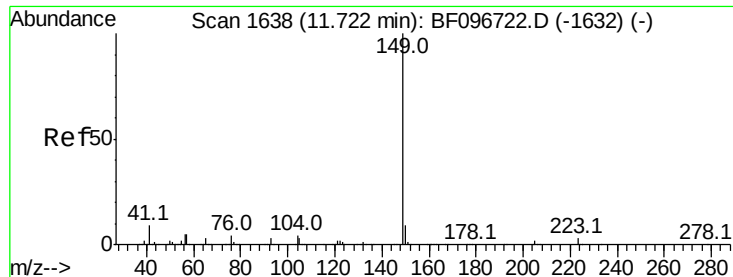
#72
 Carbazole
 Concen: 0.017 ng
 RT: 11.37 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF096770.D
 Acq: 14 Jul 2017 12:41

Tgt Ion:167 Resp: 283
 Ion Ratio Lower Upper
 167 100
 166 0.0 18.1 27.1#
 139 0.0 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: 0.028 ng

RT: 11.71 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampled :

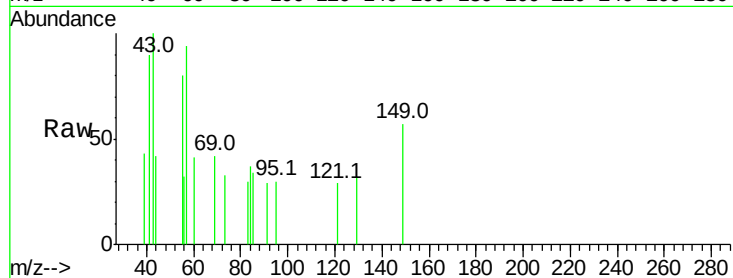
Tot Ion:149 Resp: 560

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

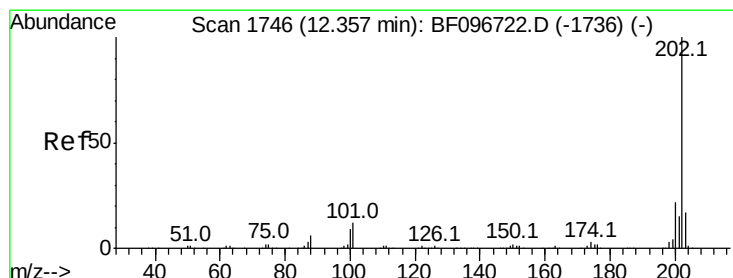
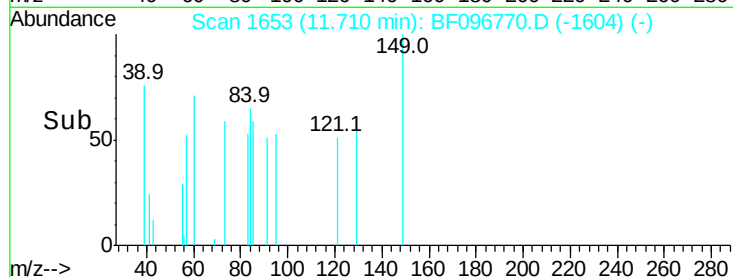
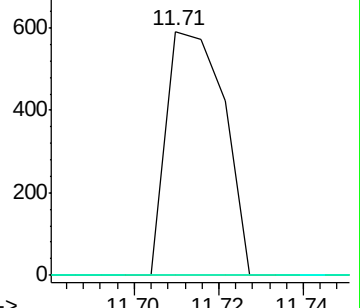
104 0.0 4.0 6.0#



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



#74

Fluoranthene

Concen: 0.465 ng

RT: 12.35 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

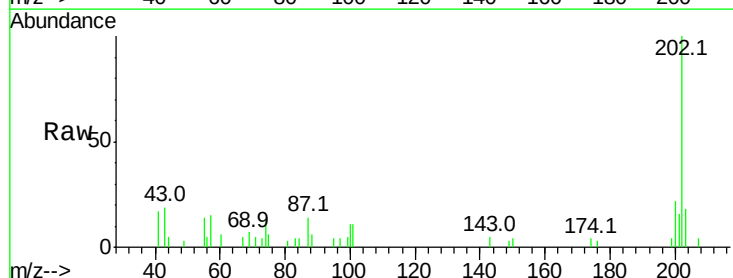
Tgt Ion:202 Resp: 7366

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.2

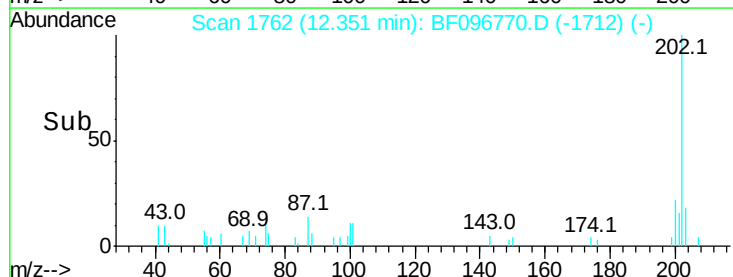
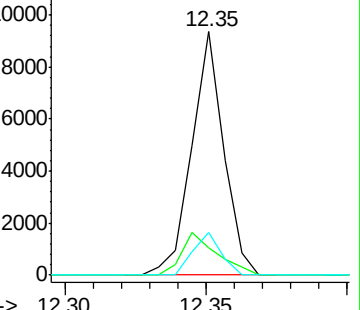
203 17.6 0.0 38.1

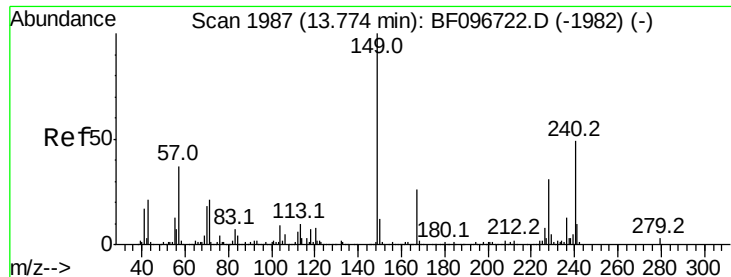


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

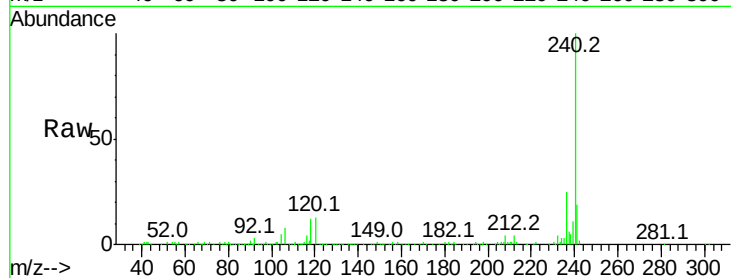
Tot Ion:240 Resp: 205907

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

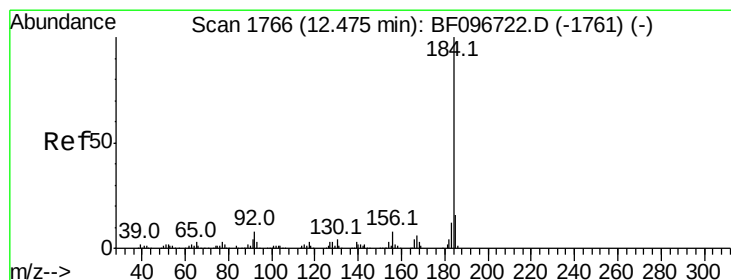
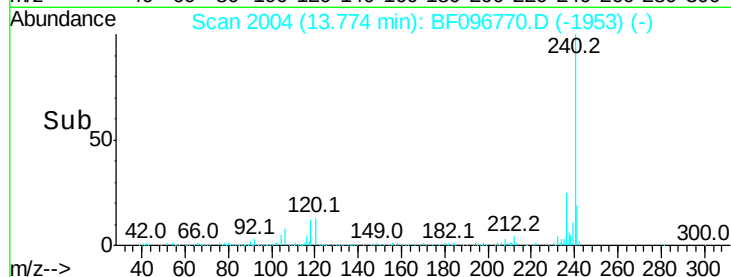
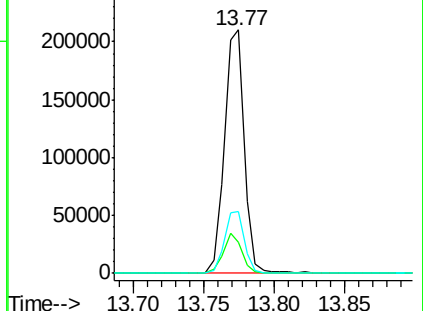
236 25.4 20.5 30.7



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: 0.889 ng

RT: 12.73 min Scan# 1826

Delta R.T. 0.25 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

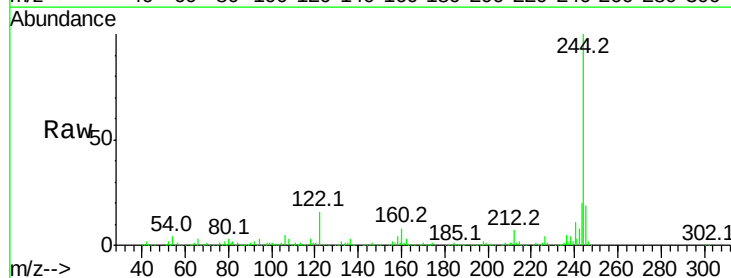
Tgt Ion:184 Resp: 5995

Ion Ratio Lower Upper

184 100

185 21.3 15.5 23.3

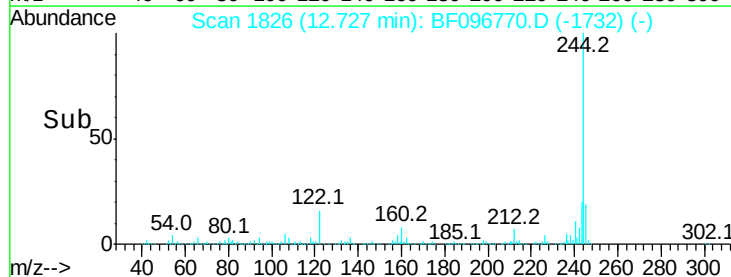
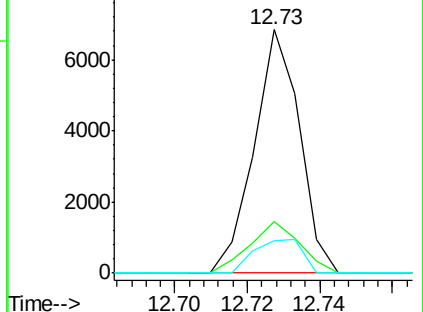
183 13.5 9.8 14.6

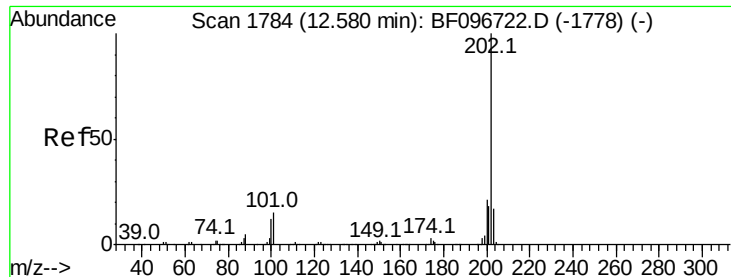


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.336 ng

RT: 12.57 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

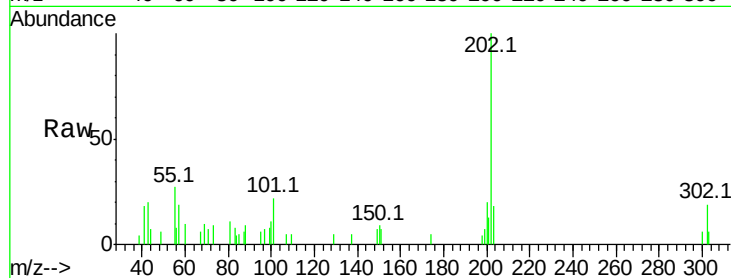
Tot Ion:202 Resp: 6270

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

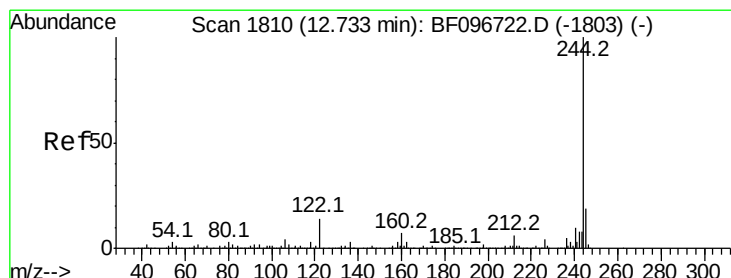
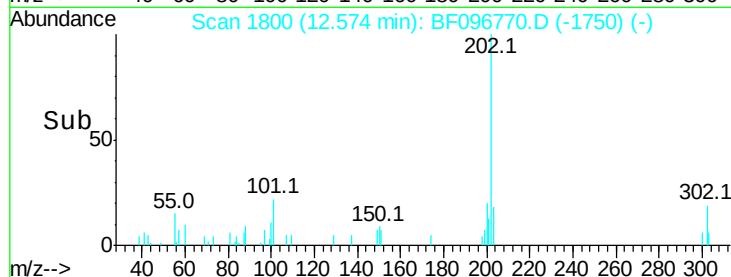
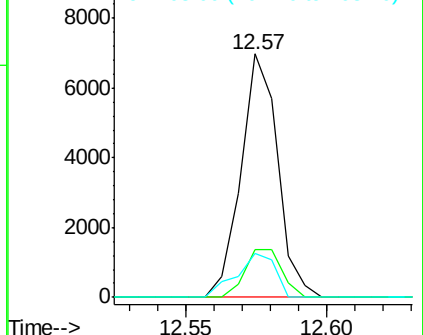
203 17.9 14.4 21.6



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: 41.231 ng

RT: 12.73 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

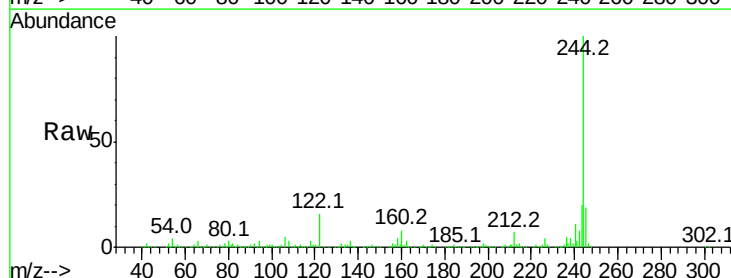
Tgt Ion:244 Resp: 489527

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

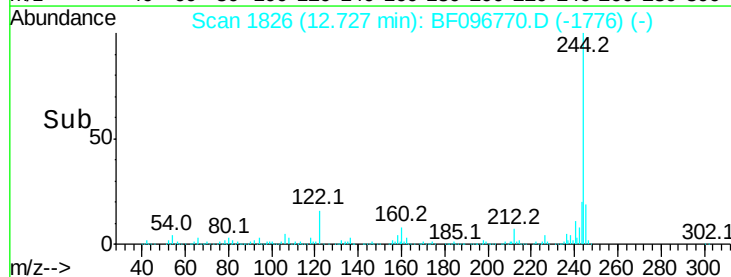
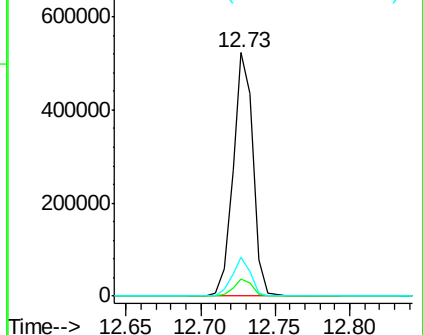
122 15.9 10.3 15.5#

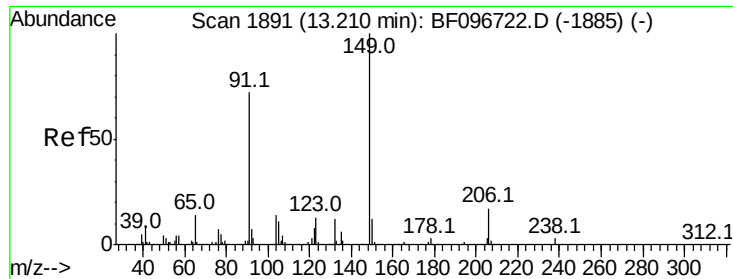


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

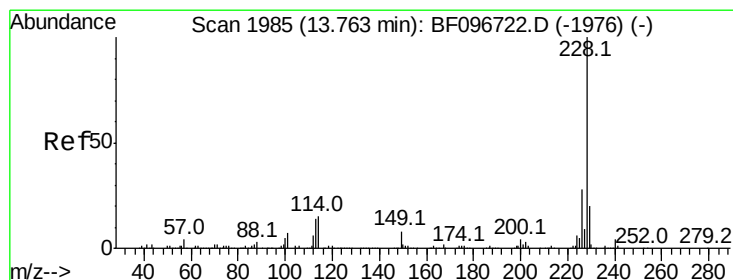
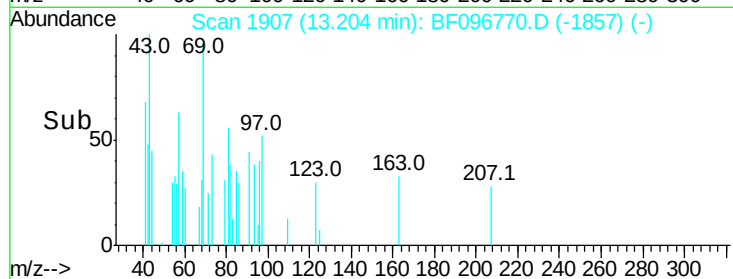
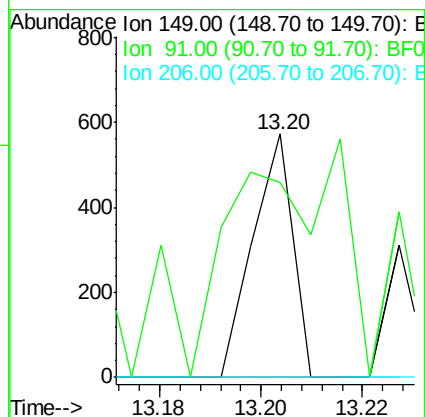
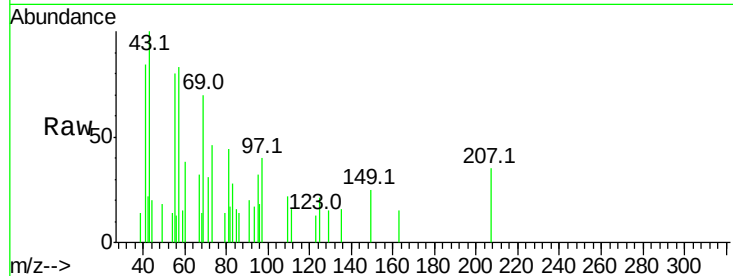




#79
Butylbenzylphthalate
Concen: 0.070 ng
RT: 13.20 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

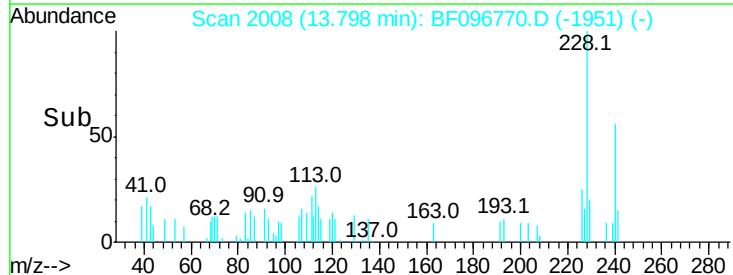
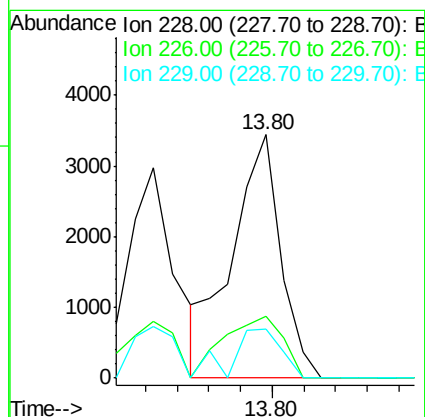
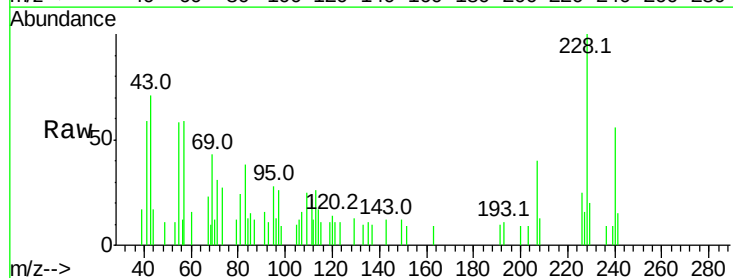
Instrument :
BNA_F
ClientSampled :

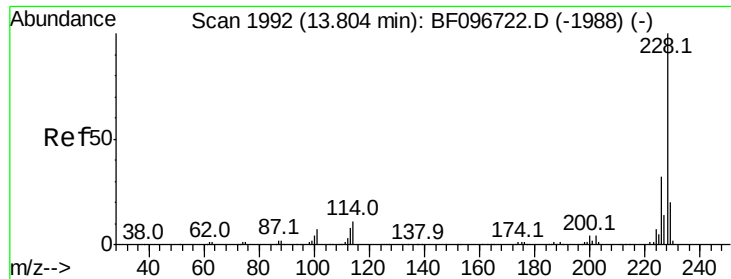
Tot Ion:149 Resp: 311
Ion Ratio Lower Upper
149 100
91 80.3 45.0 67.4#
206 0.0 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 0.285 ng
RT: 13.80 min Scan# 2008
Delta R.T. 0.04 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion:228 Resp: 3656
Ion Ratio Lower Upper
228 100
226 25.4 22.6 33.8
229 20.2 16.3 24.5





#82

Chrysene

Concen: 0.289 ng

RT: 13.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

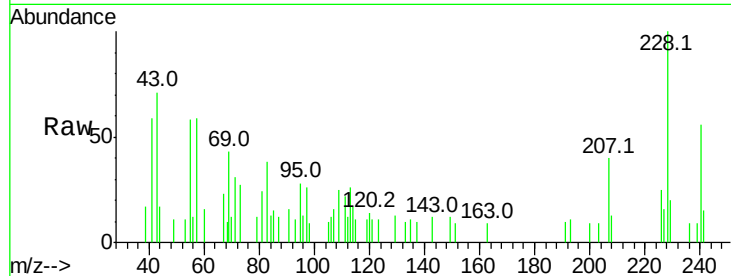
Tot Ion:228 Resp: 3656

Ion Ratio Lower Upper

228 100

226 25.4 24.9 37.3

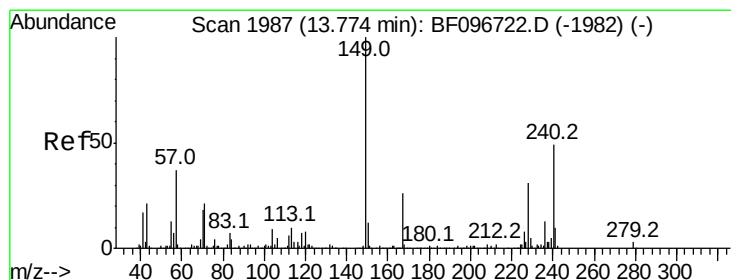
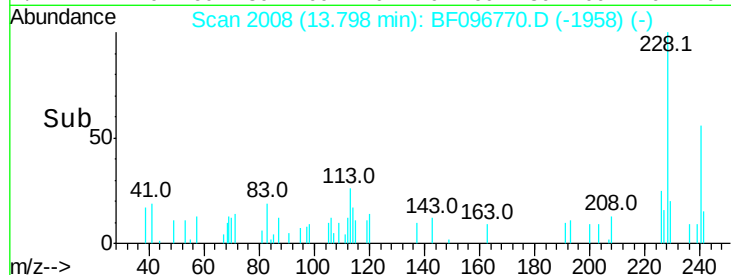
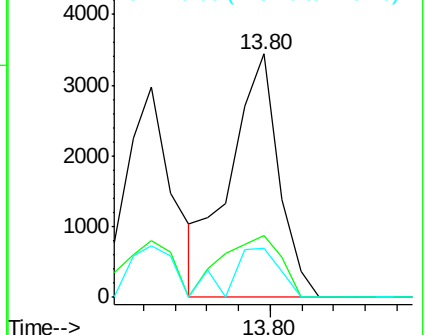
229 20.2 15.8 23.6



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: 0.219 ng

RT: 13.77 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

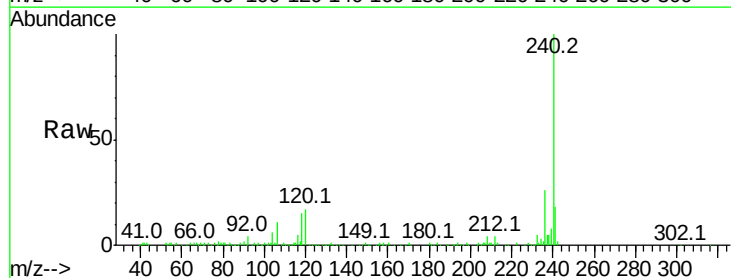
Tgt Ion:149 Resp: 2369

Ion Ratio Lower Upper

149 100

167 0.0 21.0 31.4#

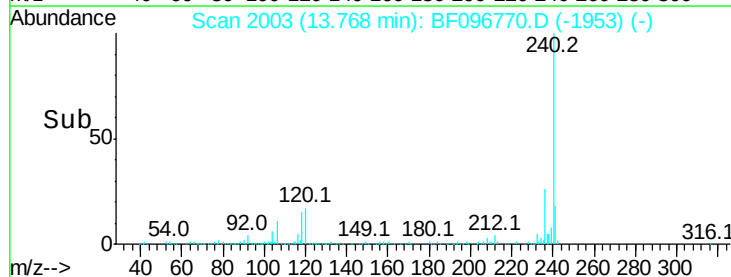
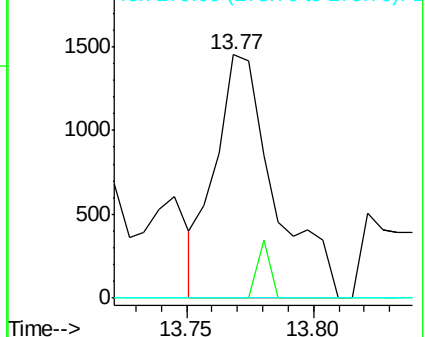
279 0.0 1.9 2.9#

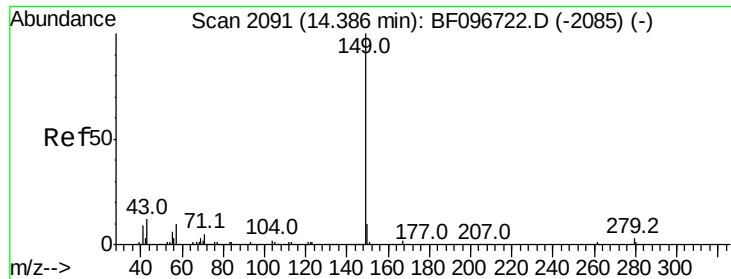


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.083 ng

RT: 14.38 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

Instrument :

BNA_F

ClientSampleId :

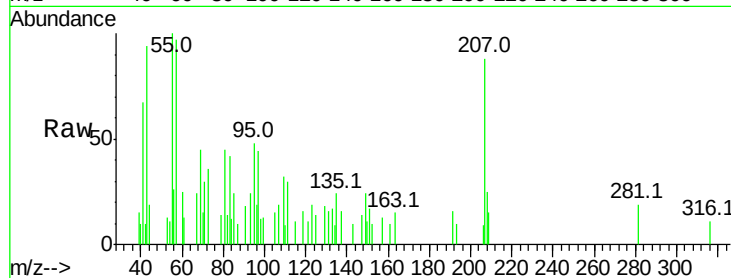
Tot Ion:149 Resp: 1487

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

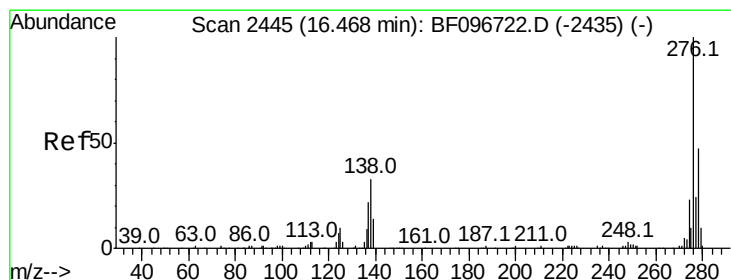
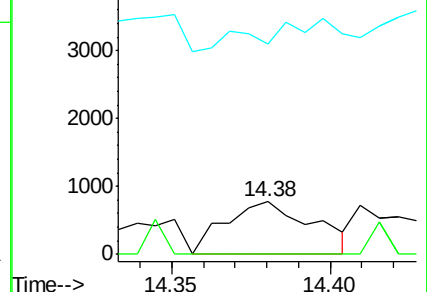
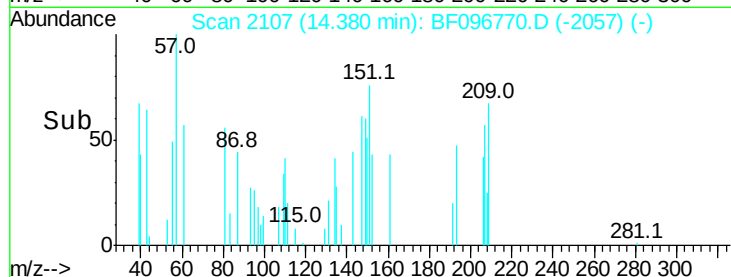
43 12.4 8.5 12.7



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: 3.581 ng

RT: 16.46 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BF096770.D

Acq: 14 Jul 2017 12:41

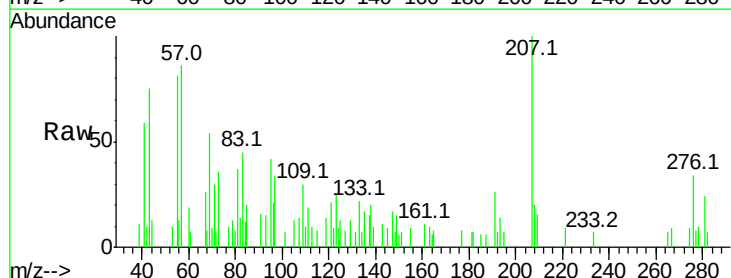
Tgt Ion:276 Resp: 3070

Ion Ratio Lower Upper

276 100

138 58.5 27.8 41.6#

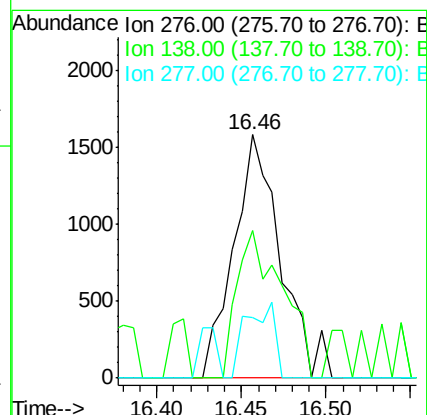
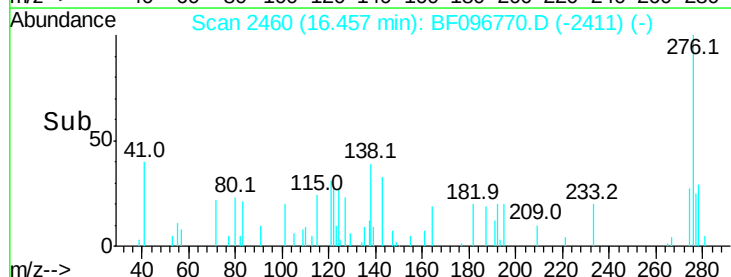
277 19.1 20.2 30.4#

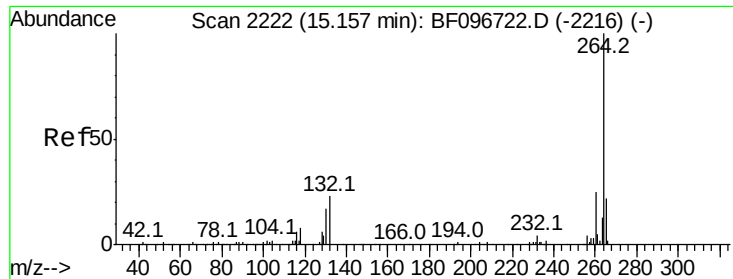


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

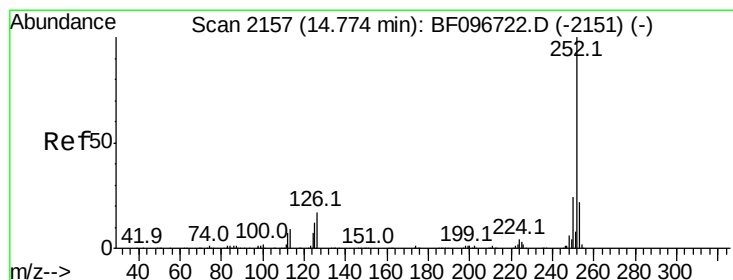
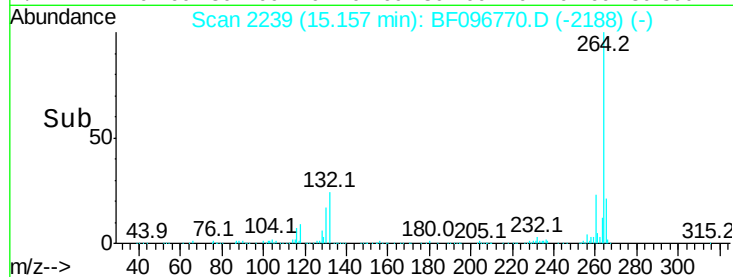
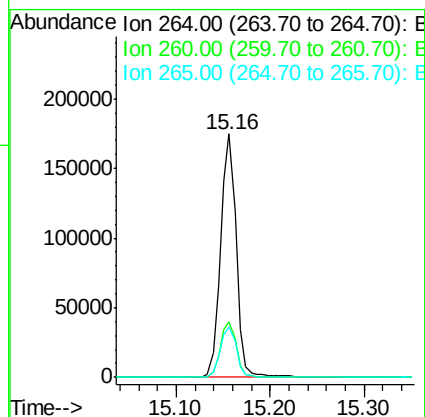
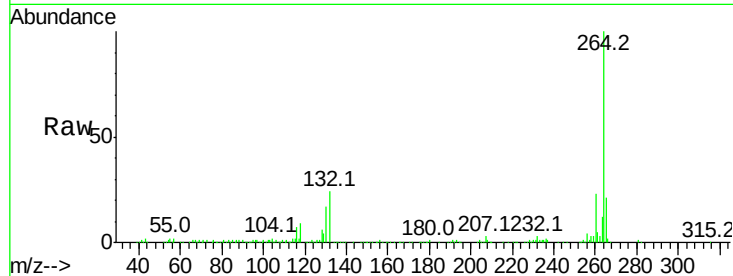




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

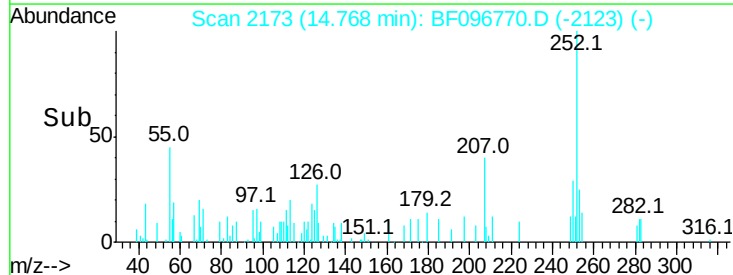
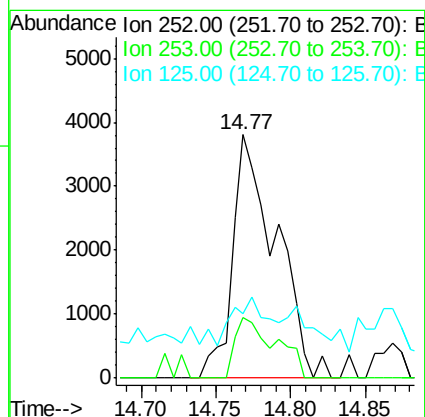
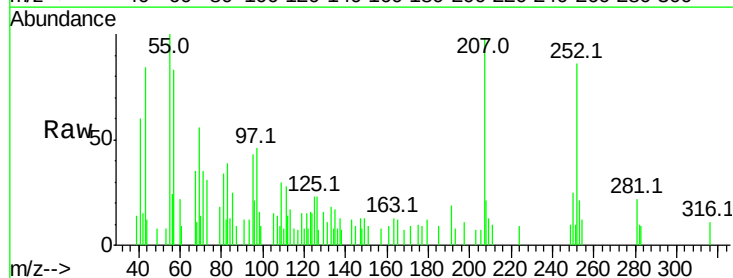
Instrument :
BNA_F
ClientSampleId :

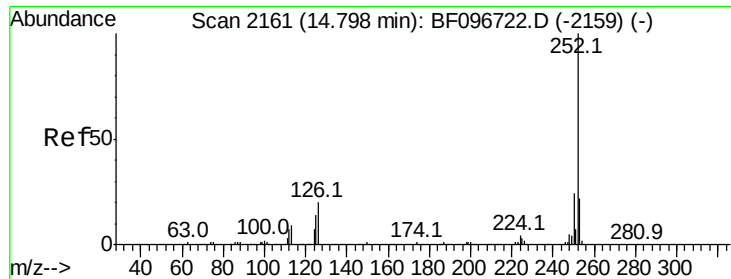
Tot Ion:264 Resp: 204656
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 20.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 0.626 ng
RT: 14.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion:252 Resp: 7726
Ion Ratio Lower Upper
252 100
253 25.1 18.1 27.1
125 26.7 9.8 14.8#

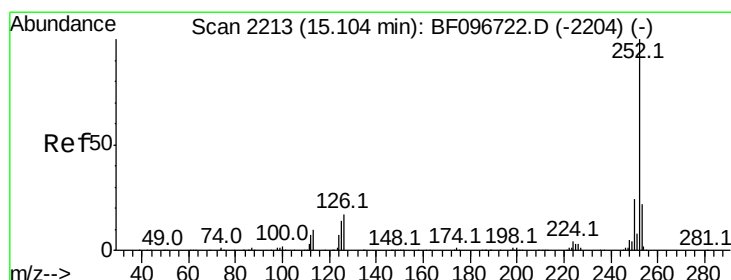
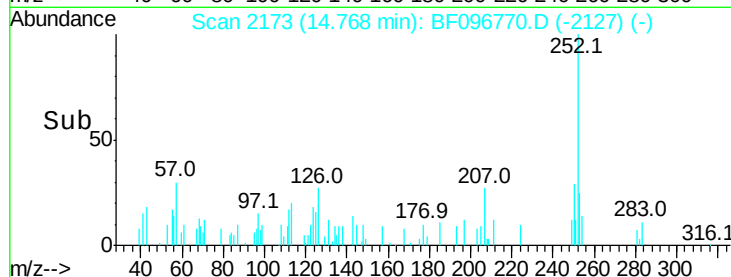
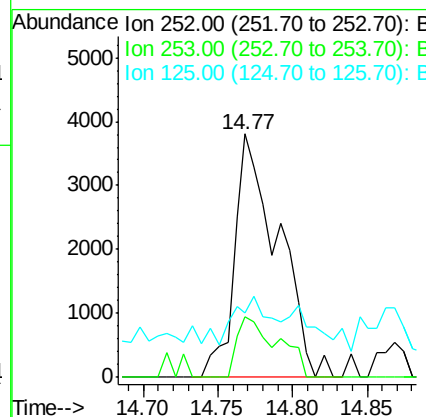
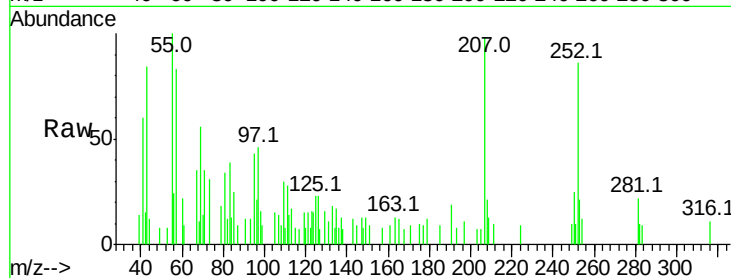




#88
Benzo(k)fluoranthene
Concen: 0.661 ng
RT: 14.77 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

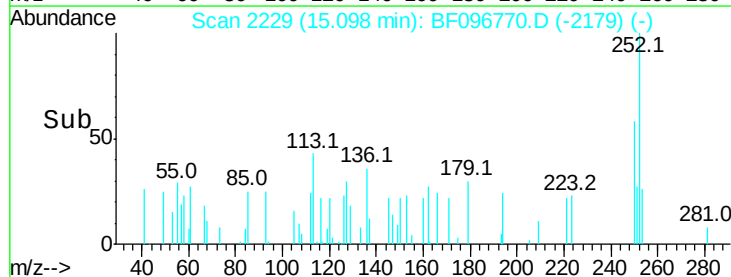
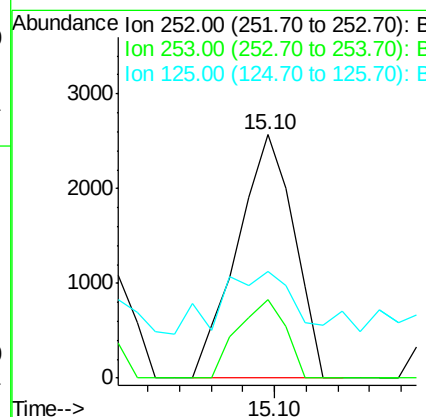
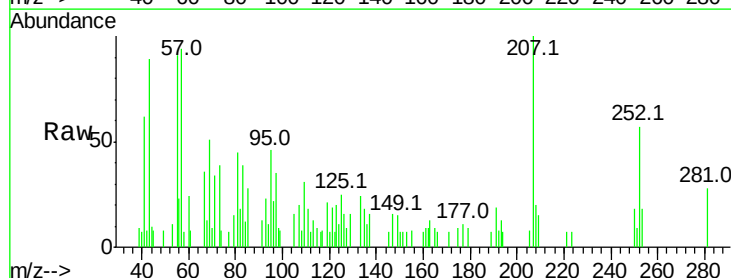
Instrument :
BNA_F
ClientSampleId :

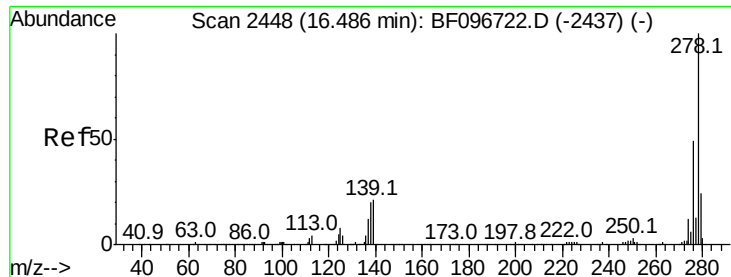
Tot Ion:252 Resp: 7726
Ion Ratio Lower Upper
252 100
253 25.1 18.4 27.6
125 26.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 0.283 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion:252 Resp: 3202
Ion Ratio Lower Upper
252 100
253 32.3 17.5 26.3#
125 43.8 11.0 16.4#

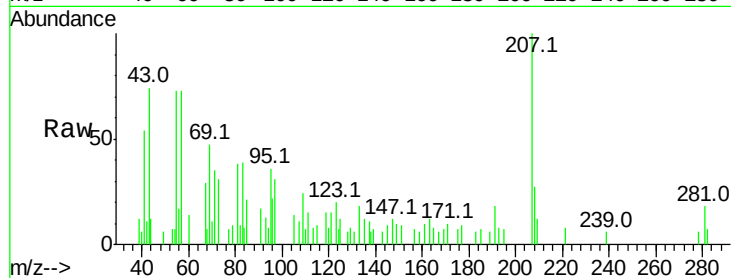




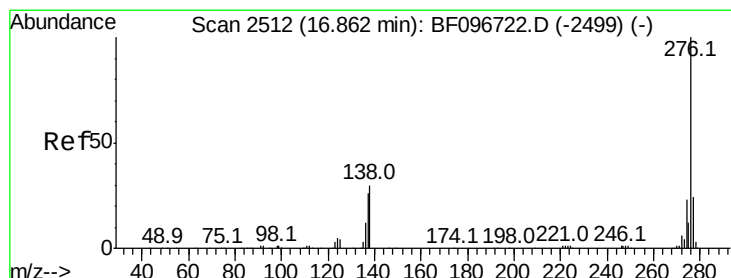
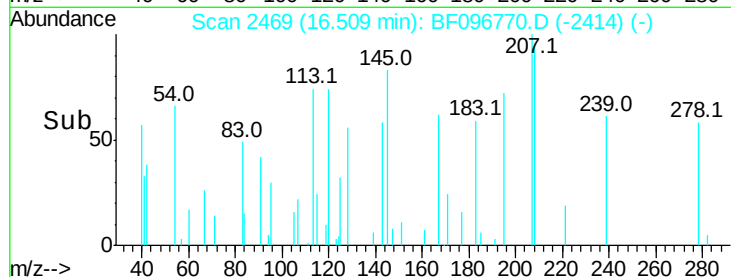
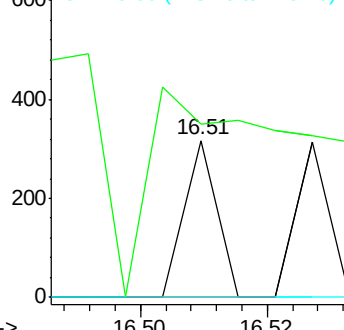
#90
Dibenzo(a,h)anthracene
Concen: 0.011 ng
RT: 16.51 min Scan# 2469
Delta R.T. 0.02 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 112
Ion Ratio Lower Upper
278 100
139 110.1 16.6 24.8#
279 0.0 19.3 28.9#

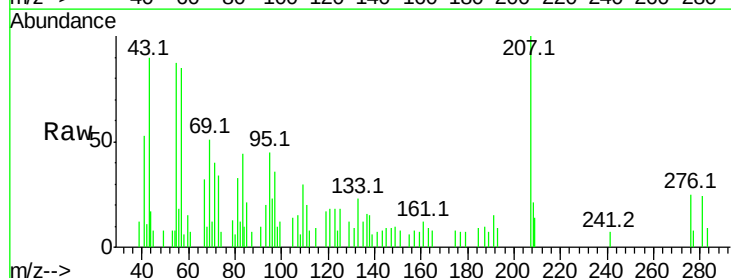


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 0.246 ng
RT: 16.86 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF096770.D
Acq: 14 Jul 2017 12:41

Tgt Ion:276 Resp: 2741
Ion Ratio Lower Upper
276 100
277 30.5 18.6 28.0#
138 61.3 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

