

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042419\
 Data File : BF113961.D
 Acq On : 24 Apr 2019 15:10
 Operator : JU/SJ
 Sample : K2542-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 25 01:23:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	140909	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	528907	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	265159	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	499871	20.00	ng	0.00
76) Chrysene-d12	14.06	240	330835	20.00	ng	0.00
87) Perylene-d12	15.57	264	405004	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	765062	92.86	ng	0.00
7) Phenol-d6	6.52	99	976120	94.44	ng	0.00
23) Nitrobenzene-d5	7.45	82	592581	69.18	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	265885	82.31	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1063632	62.74	ng	0.00
79) Terphenyl-d14	13.00	244	1070191	66.32	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.78	88	260	0.067	ng	# 26
6) Aniline	6.67	93	1207	0.085	ng	# 1
8) 2-Chlorophenol	6.68	128	244	0.026	ng	# 1
9) Benzaldehyde	6.52	77	1484	Below Cal		# 3
10) Phenol	6.53	94	2320	0.188	ng	# 58
11) bis(2-Chloroethyl)ether	6.67	93	1207	0.130	ng	# 1
15) Benzyl Alcohol	7.05	79	9563	1.374	ng	# 48
19) n-Nitroso-di-n-propylamine	7.45	70	77906	11.639	ng	# 78
22) Acetophenone	7.29	105	167	0.014	ng	# 58
24) Nitrobenzene	7.45	77	1658	0.175	ng	# 39
25) Isophorone	7.45	82	592576	33.808	ng	# 65
27) 2,4-Dimethylphenol	7.91	122	1128	0.160	ng	# 4
31) Naphthalene	8.19	128	232	0.009	ng	# 68
32) Benzoic acid	7.95	122	112	0.024	ng	# 1
38) 1-Methylnaphthalene	9.25	142	285	0.017	ng	# 34
46) 1,1'-Biphenyl	9.35	154	1920	0.095	ng	# 90
47) 2-Chloronaphthalene	9.64	162	1115	0.068	ng	# 1
48) 2-Nitroaniline	9.64	65	1387	0.321	ng	# 1
49) Acenaphthylene	9.79	152	287	0.011	ng	# 59
50) Dimethylphthalate	9.64	163	197658	10.307	ng	# 99
51) 2,6-Dinitrotoluene	9.64	165	1908	0.464	ng	# 23
52) Acenaphthene	9.96	154	130	0.009	ng	# 6
57) 2,4-Dinitrotoluene	9.93	165	33746	6.498	ng	# 29
58) Fluorene	10.72	166	10924	0.636	ng	# 92
60) Diethylphthalate	10.34	149	548	0.030	ng	# 57
63) Azobenzene	10.72	77	953	0.054	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.72	198	327	7.429	ng	# 1
66) n-Nitrosodiphenylamine	10.72	169	6555	0.437	ng	# 38
67) 4-Bromophenyl-phenylether	10.72	248	16654	2.758	ng	# 1
71) Phenanthrene	11.44	178	6422	0.256	ng	# 95
72) Anthracene	11.49	178	1019	0.040	ng	# 59
73) Carbazole	11.65	167	824	0.036	ng	# 59
74) Di-n-butylphthalate	11.97	149	2016	0.076	ng	# 88
75) Fluoranthene	12.63	202	20796	0.759	ng	# 96

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

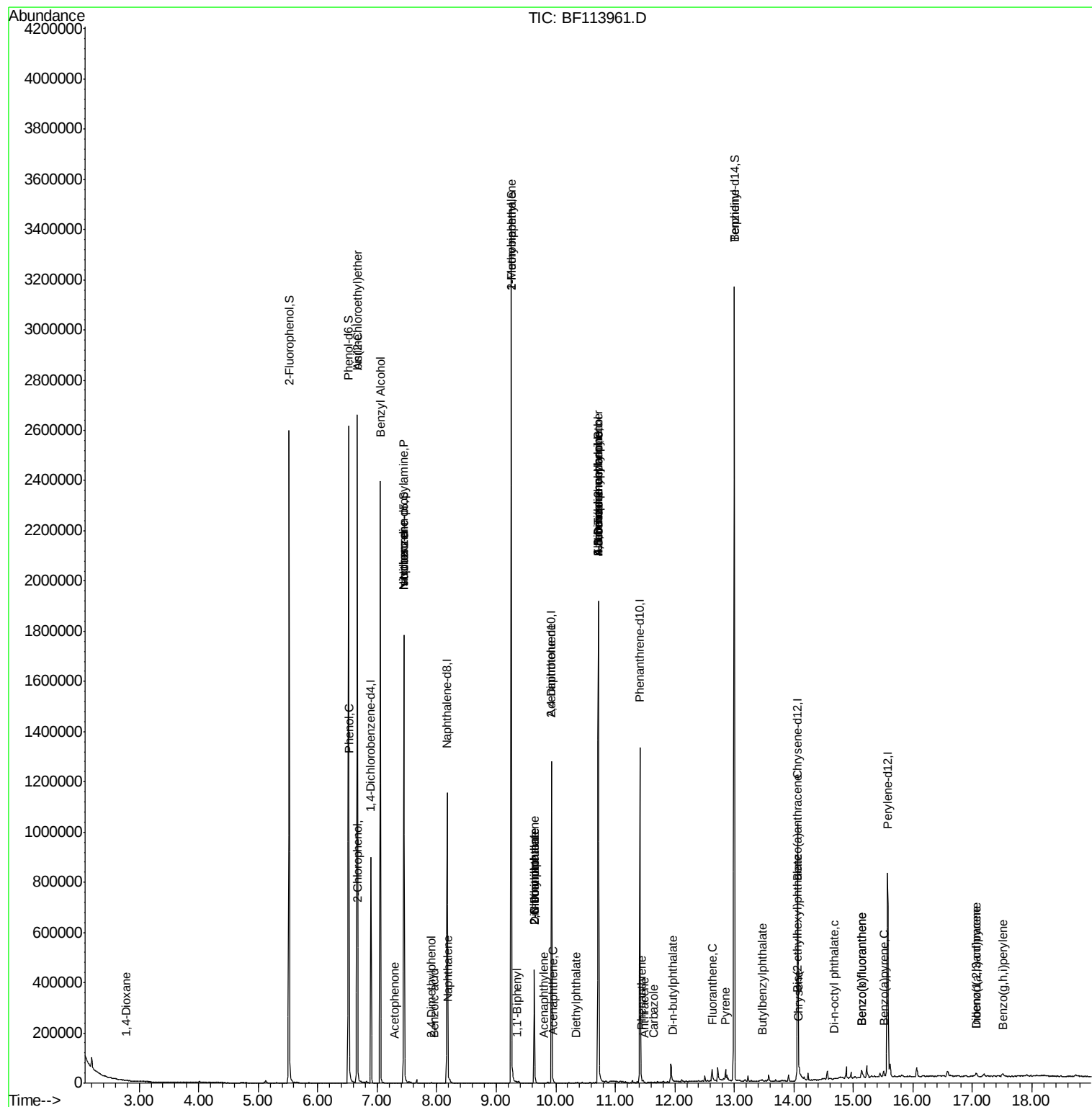
77) Benzidine	13.00	184	12233	1.241	nq	# 96
78) Pyrene	12.85	202	17097	0.739	nq	99
80) Butylbenzylphthalate	13.47	149	757	0.083	nq	# 66
81) Benzo(a)anthracene	14.05	228	10316	0.529	nq	99
83) Chrysene	14.09	228	11560	0.609	nq	97
84) Bis(2-ethylhexyl)phthalate	14.04	149	2070	0.179	nq	# 89
85) Di-n-octyl phthalate	14.68	149	131	0.007	nq	# 1
86) Indeno(1,2,3-cd)pyrene	17.06	276	9461	0.526	nq	93
88) Benzo(b)fluoranthene	15.14	252	22980	0.897	nq	# 95
89) Benzo(k)fluoranthene	15.14	252	22980	1.043	nq	# 96
90) Benzo(a)pyrene	15.51	252	11393	0.514	nq	94
91) Dibenzo(a,h)anthracene	17.07	278	2686	0.129	nq	# 57
92) Benzo(a,h,i)perylene	17.51	276	8773	0.418	nq	95

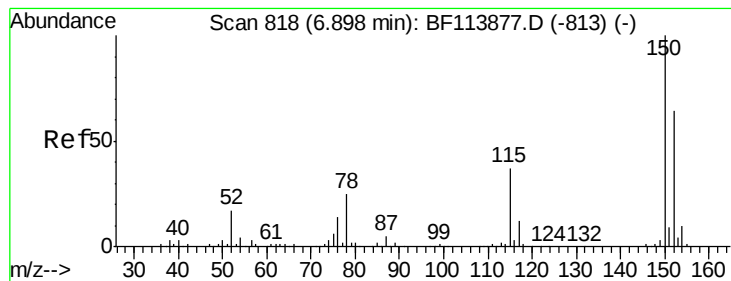
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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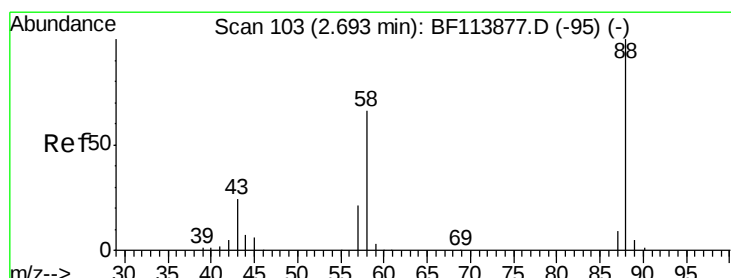
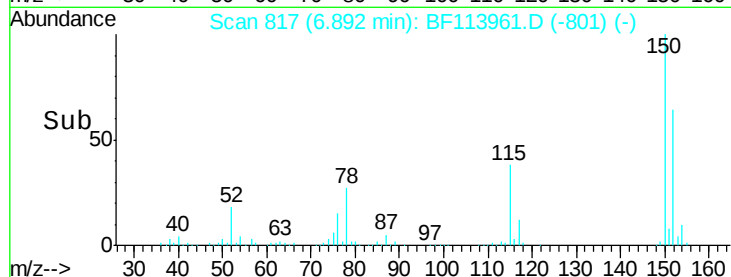
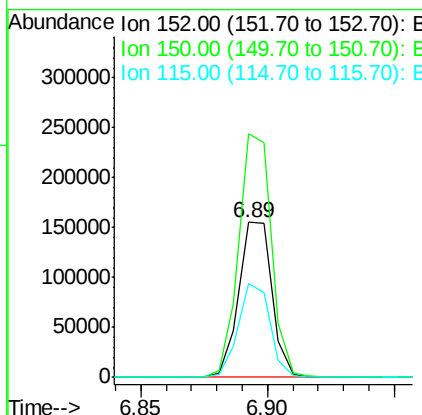
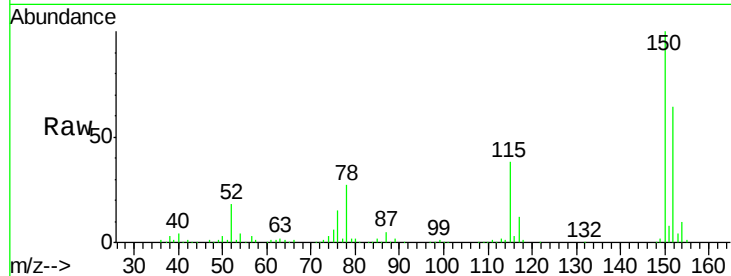


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Instrument :
BNA_F
ClientSampleId :

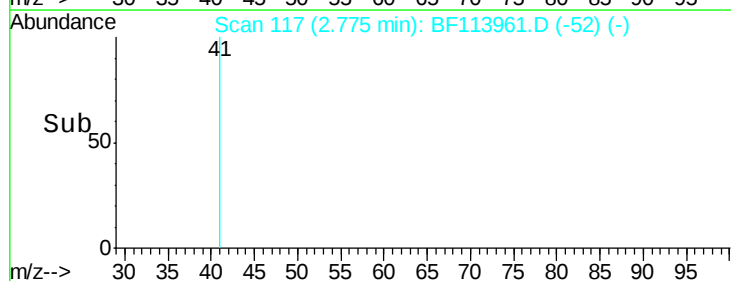
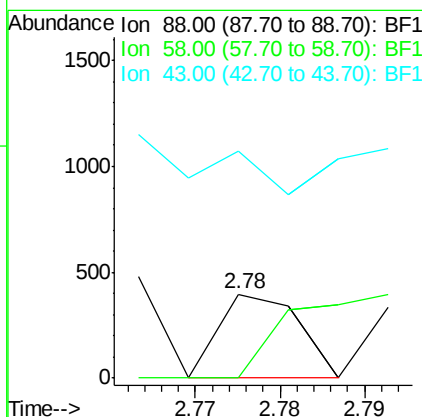
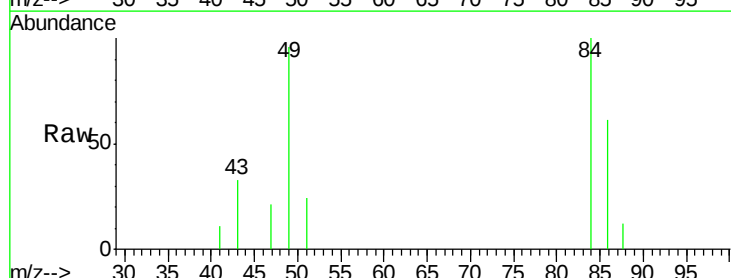
Tot Ion	152	Resp	140909
Ion Ratio	100	Lower	Upper
152	100		
150	157.1	125.9	188.9
115	60.3	45.9	68.9

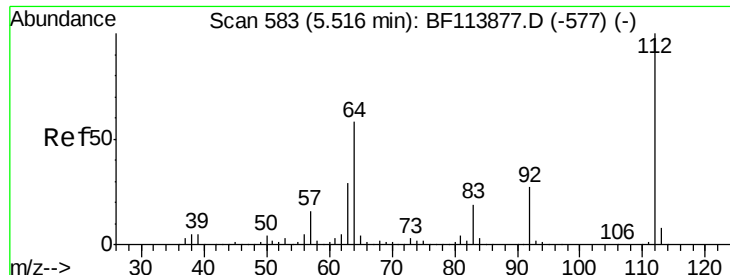


#2

1,4-Dioxane
Concen: 0.067 ng
RT: 2.78 min Scan# 117
Delta R.T. 0.08 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion	88	Resp	260
Ion Ratio	100	Lower	Upper
88	100		
58	0.0	53.3	79.9#
43	0.0	19.0	28.4#





#5

2-Fluorophenol

Concen: 92.863 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampled :

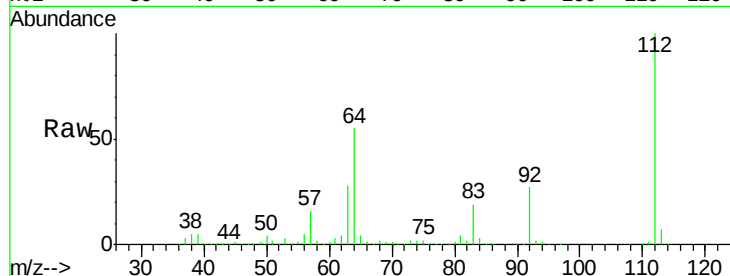
Tot Ion:112 Resp: 765062

Ion Ratio Lower Upper

112 100

64 55.4 46.6 69.8

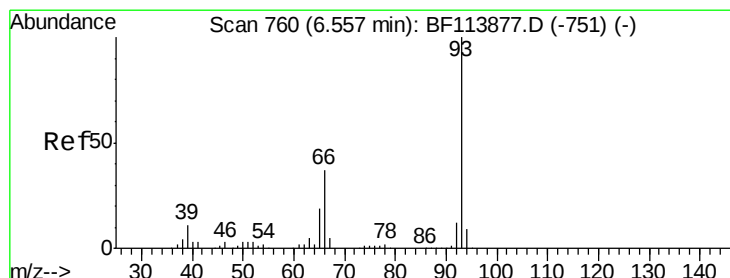
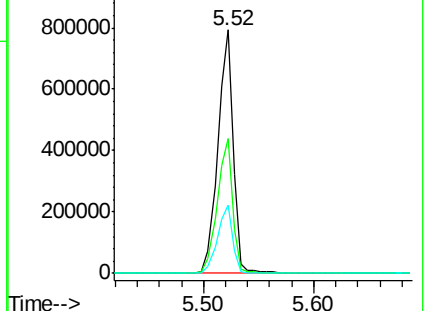
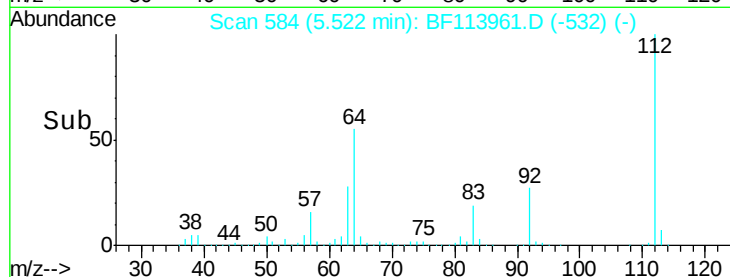
63 28.0 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.085 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.11 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

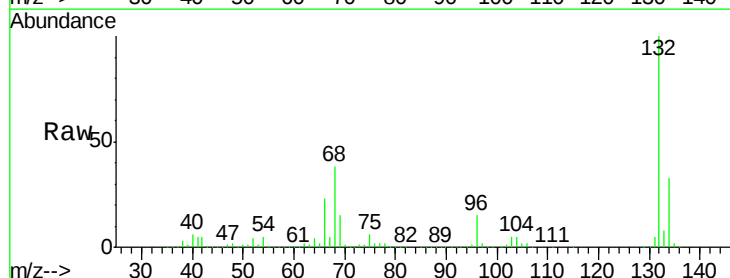
Tgt Ion: 93 Resp: 1207

Ion Ratio Lower Upper

93 100

66 14854.8 29.8 44.6#

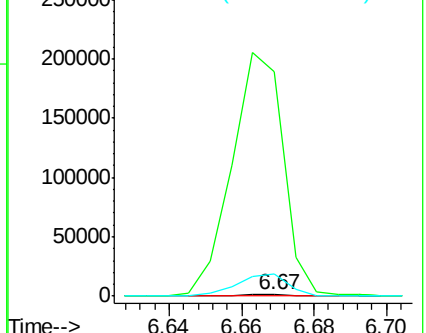
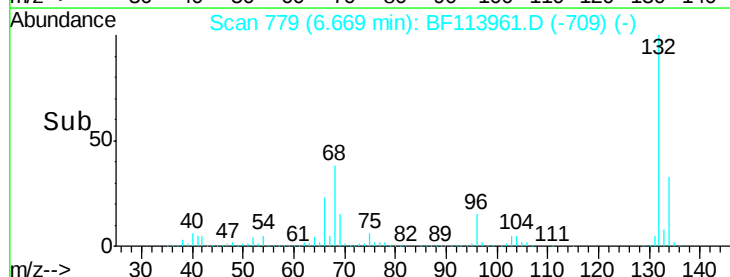
65 1496.6 14.9 22.3#

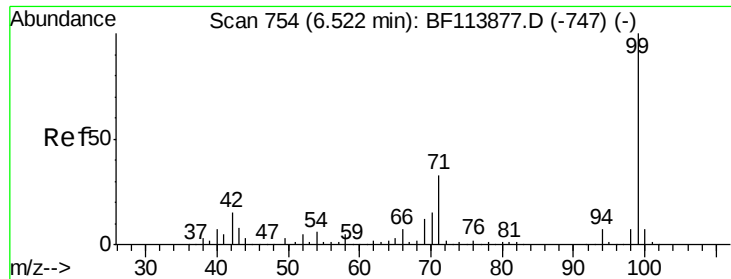


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 94.436 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampled :

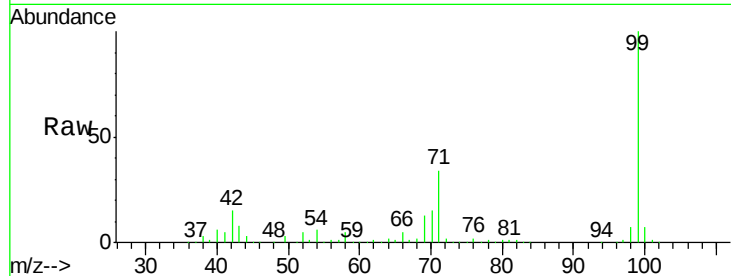
Tot Ion: 99 Resp: 976120

Ion Ratio Lower Upper

99 100

42 15.2 12.5 18.7

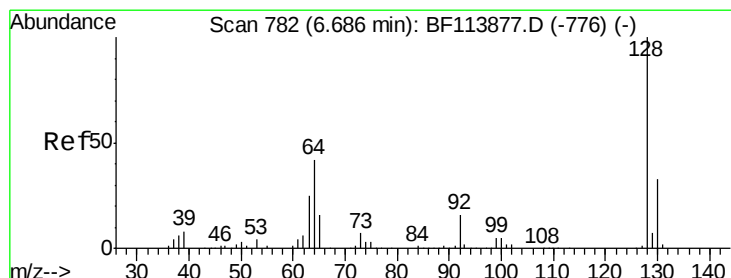
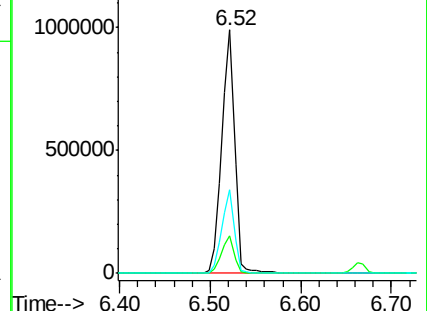
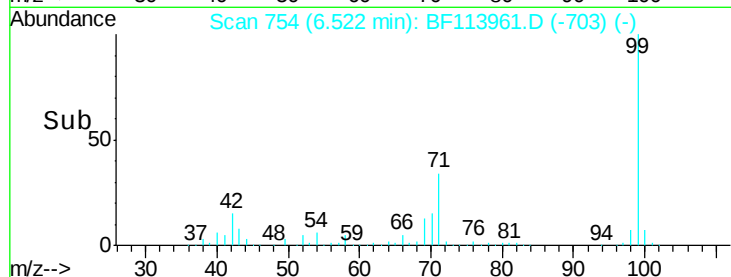
71 34.4 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.026 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

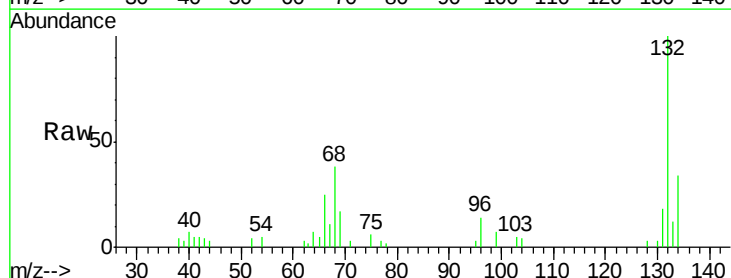
Tgt Ion: 128 Resp: 244

Ion Ratio Lower Upper

128 100

130 89.5 12.3 52.3#

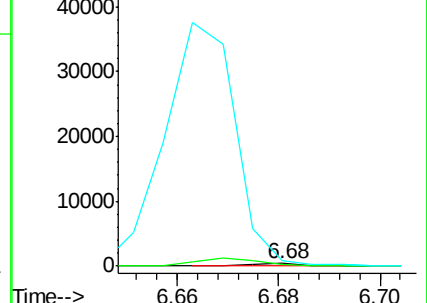
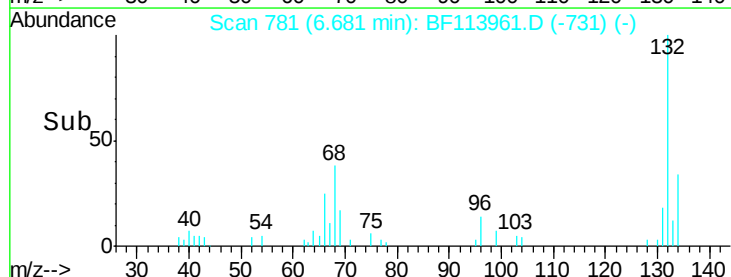
64 234.8 26.1 66.1#

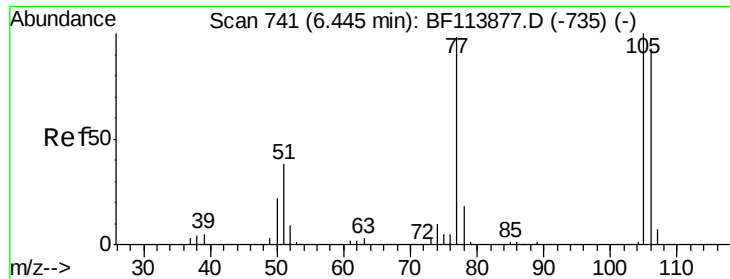


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: Below Cal

RT: 6.52 min Scan# 754

Delta R.T. 0.08 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

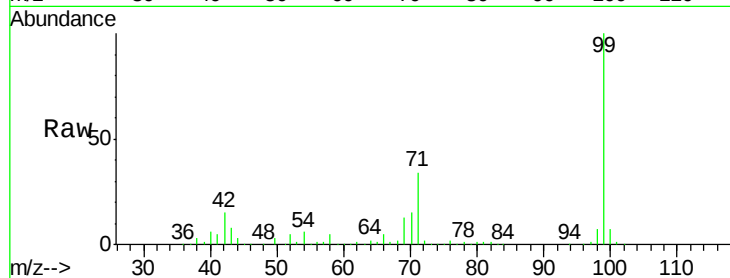
Tot Ion: 77 Resp: 1484

Ion Ratio Lower Upper

77 100

105 0.0 74.1 114.1#

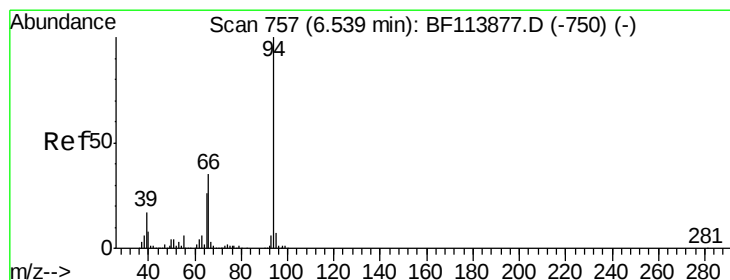
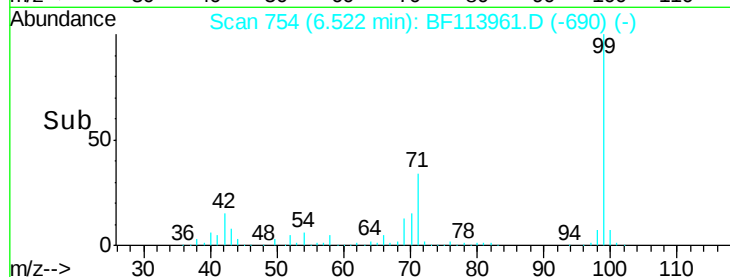
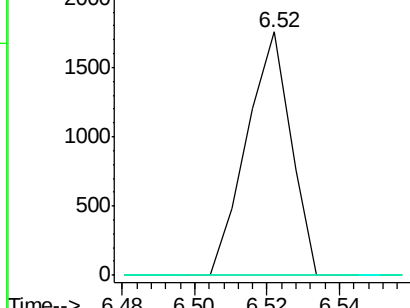
106 0.0 70.3 110.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.188 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

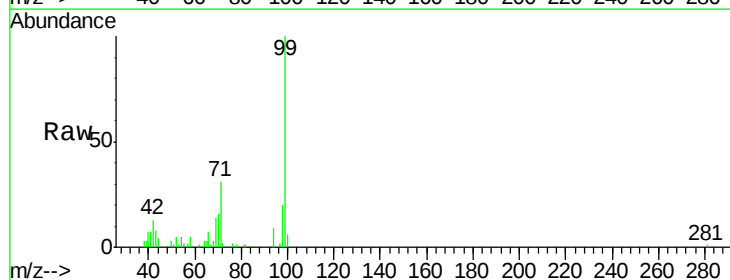
Tgt Ion: 94 Resp: 2320

Ion Ratio Lower Upper

94 100

65 33.5 8.1 48.1

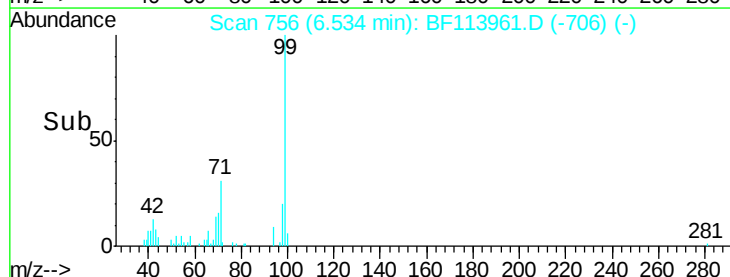
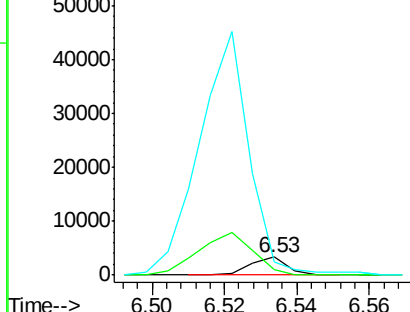
66 76.4 16.6 56.6#

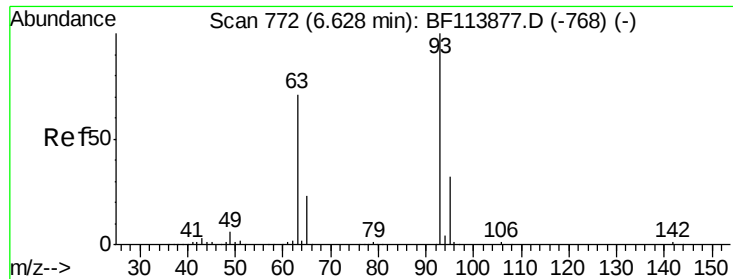


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

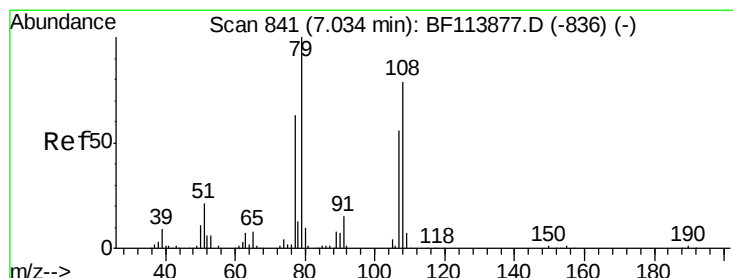
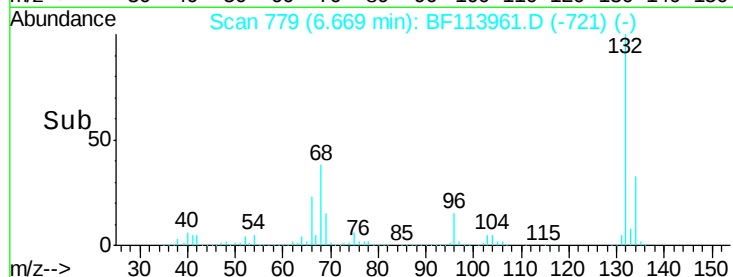
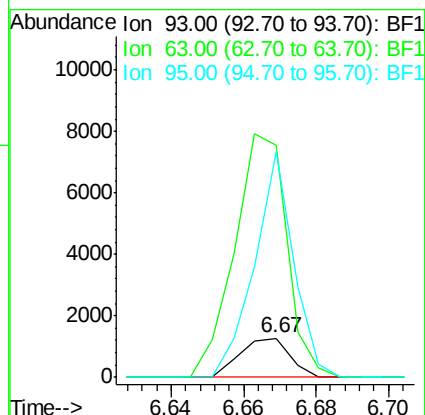
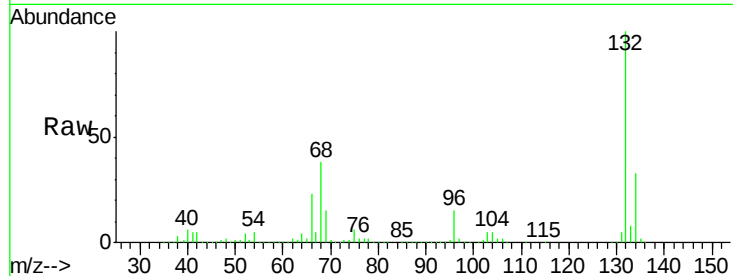




#11
bis(2-Chloroethyl)ether
Concen: 0.130 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.04 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

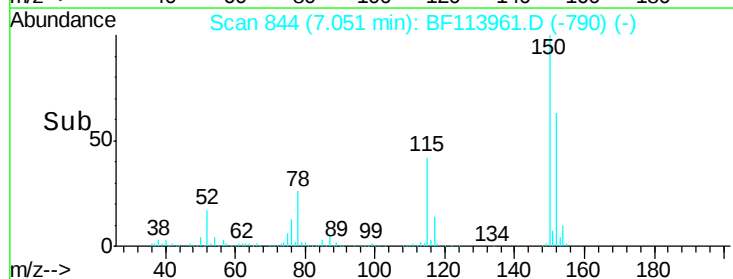
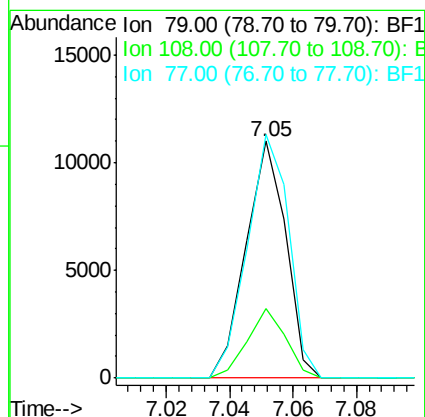
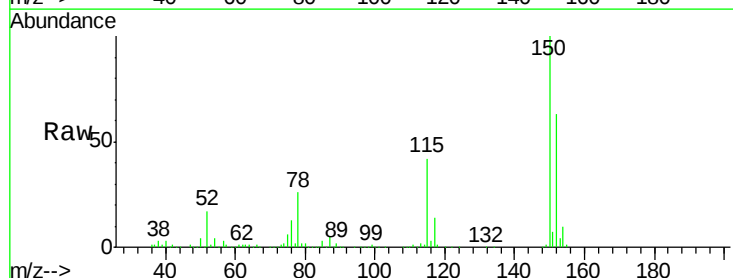
Instrument :
BNA_F
ClientSampled :

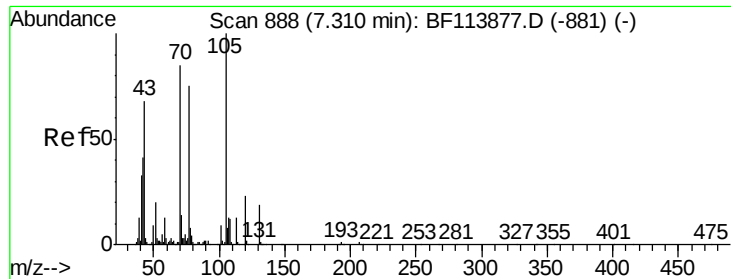
Tot Ion: 93 Resp: 1207
Ion Ratio Lower Upper
93 100
63 589.8 50.7 90.7#
95 575.0 12.3 52.3#



#15
Benzyl Alcohol
Concen: 1.374 ng
RT: 7.05 min Scan# 844
Delta R.T. 0.02 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion: 79 Resp: 9563
Ion Ratio Lower Upper
79 100
108 29.3 61.4 92.0#
77 102.9 51.6 77.4#

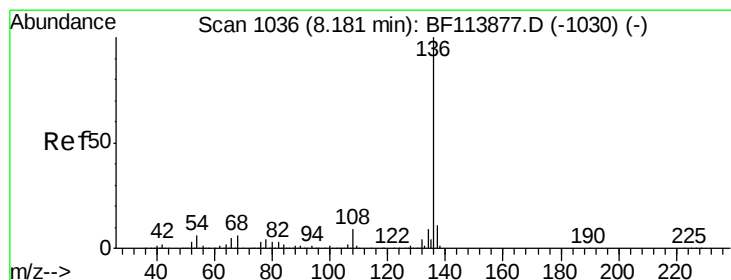
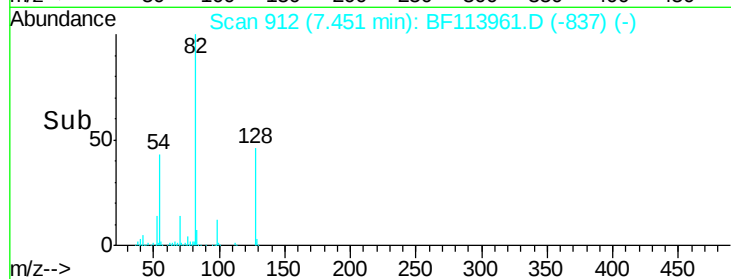
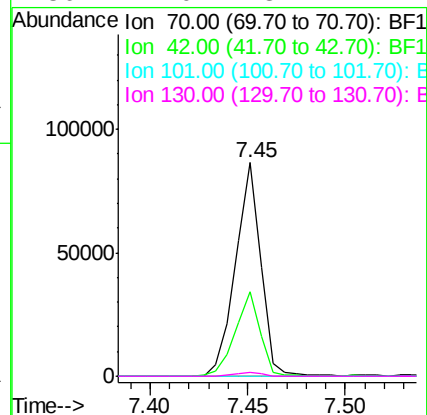
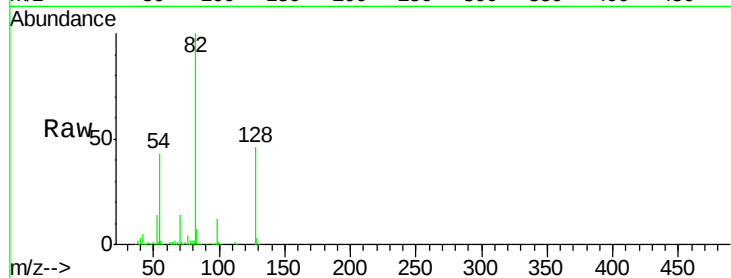




#19
n-Nitroso-di-n-propylamine
Concen: 11.639 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

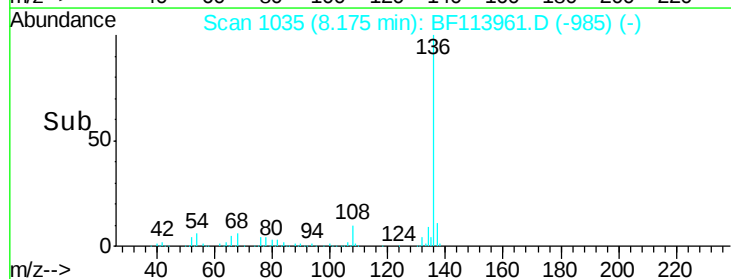
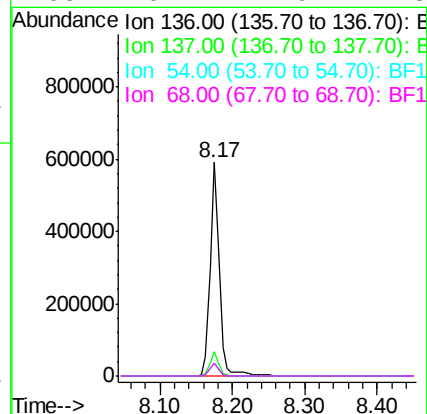
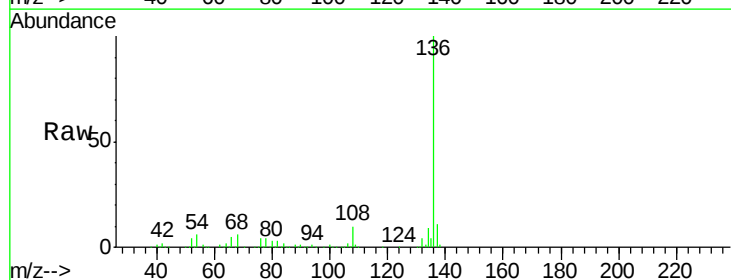
Instrument :
BNA_F
ClientSampleId :

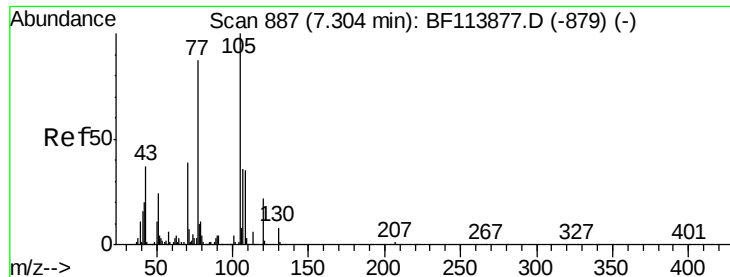
Tot Ion: 70 Resp: 77906
Ion Ratio Lower Upper
70 100
42 39.5 37.3 55.9
101 0.0 7.8 11.8#
130 2.0 18.2 27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion: 136 Resp: 528907
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.3 5.0 7.6
68 6.1 4.9 7.3





#22

Acetophenone

Concen: 0.014 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF113961.D

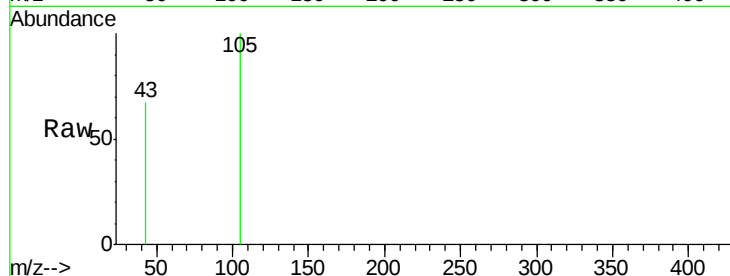
Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	167
Ion	Ratio	Lower	Upper
105	100		
71	0.0	6.1	9.1#
51	0.0	16.8	25.2#
120	0.0	17.6	26.4#

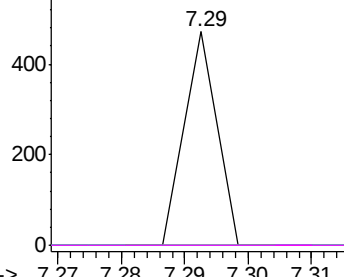


Abundance Ion 105.00 (104.70 to 105.70): E

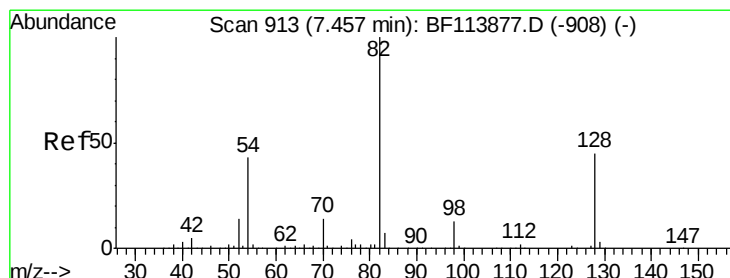
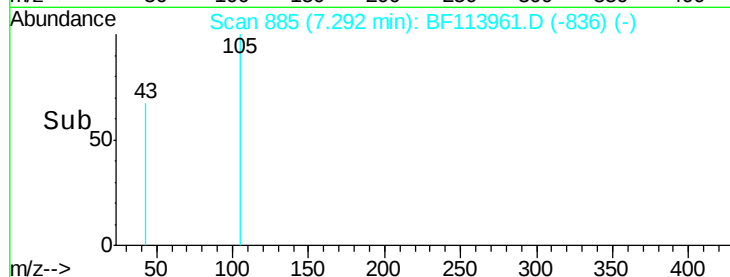
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->



#23

Nitrobenzene-d5

Concen: 69.177 ng

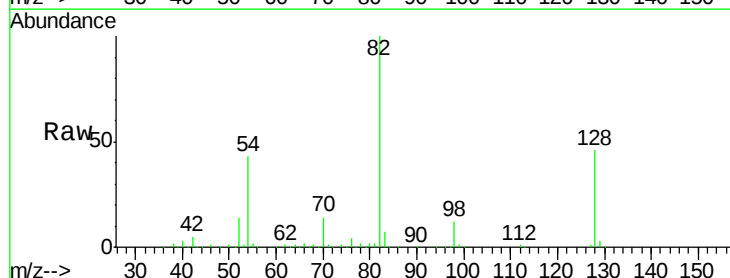
RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

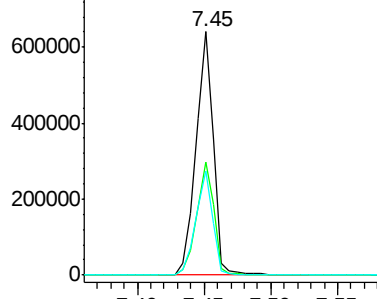
Tgt Ion:	82	Resp:	592581
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.8	55.2
54	42.8	33.8	50.6



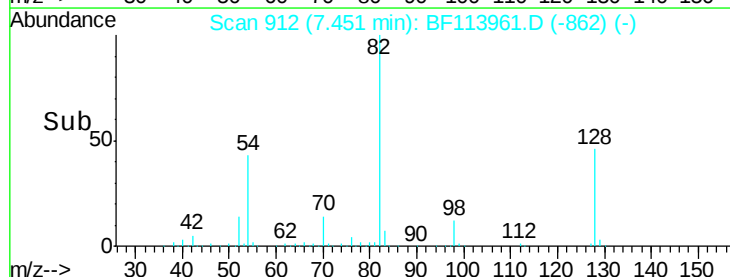
Abundance Ion 82.00 (81.70 to 82.70): BF1

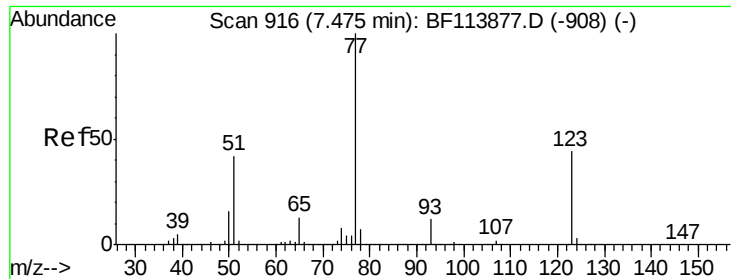
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#24

Nitrobenzene

Concen: 0.175 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampled :

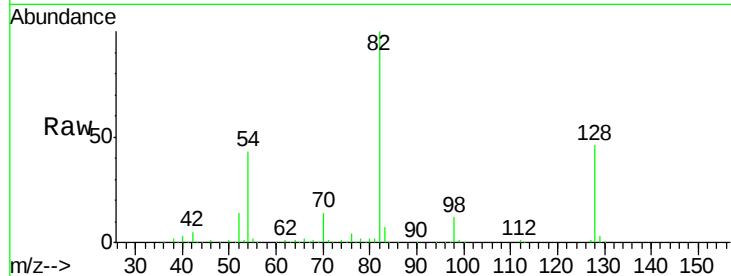
Tot Ion: 77 Resp: 1658

Ion Ratio Lower Upper

77 100

123 0.0 36.3 54.5#

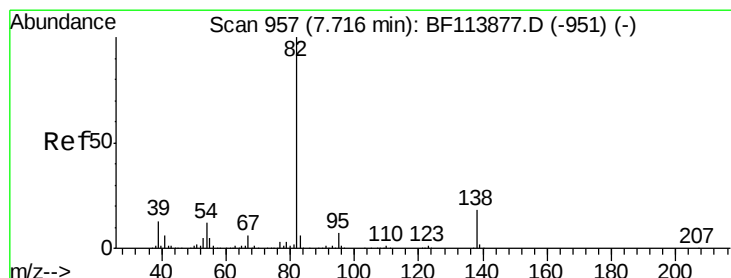
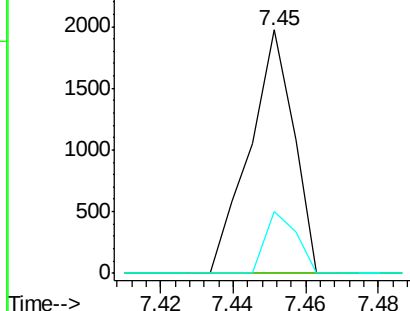
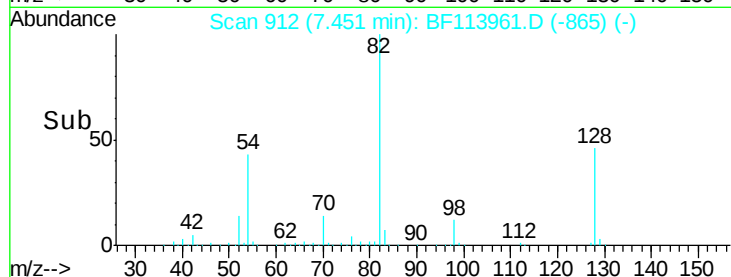
65 25.5 10.3 15.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 33.808 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

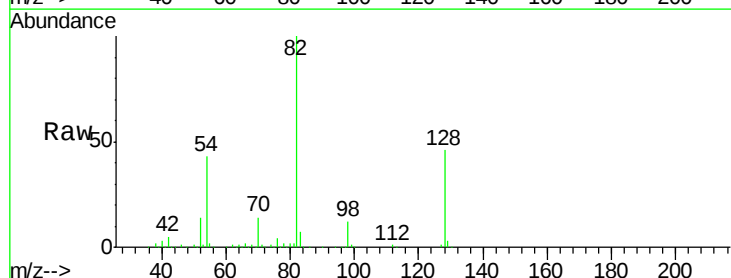
Tgt Ion: 82 Resp: 592576

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

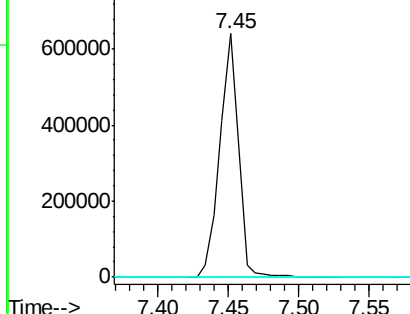
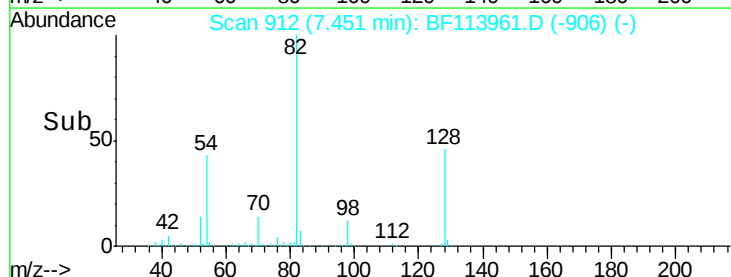
138 0.0 14.6 22.0#

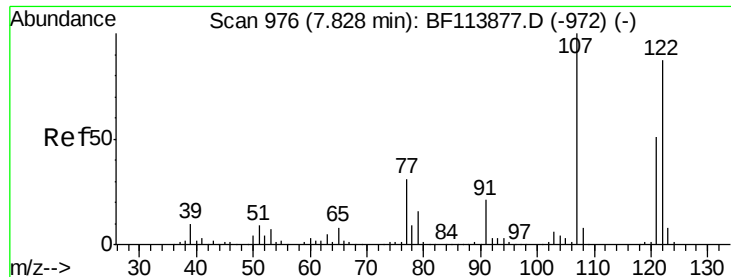


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 0.160 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.08 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

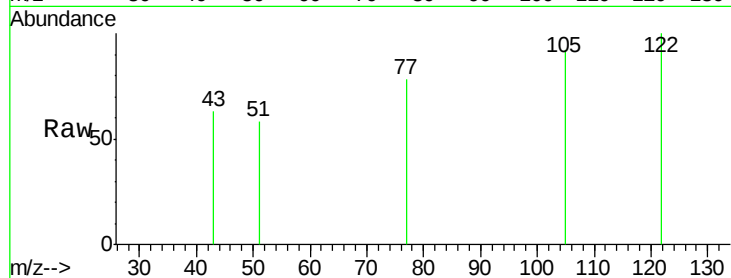
Tot Ion:122 Resp: 1128

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

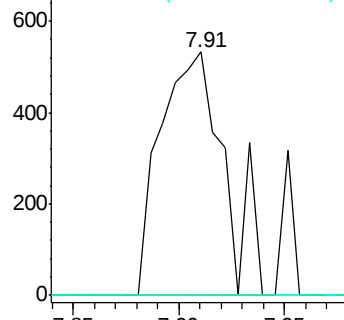
121 0.0 46.4 69.6#



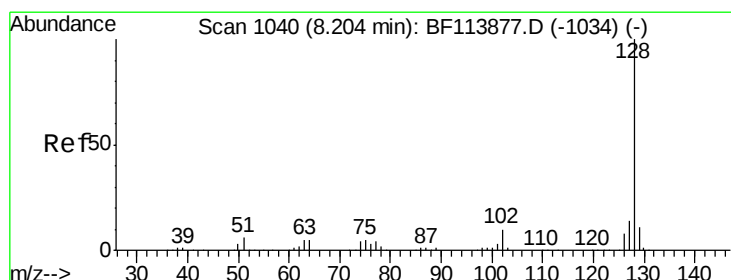
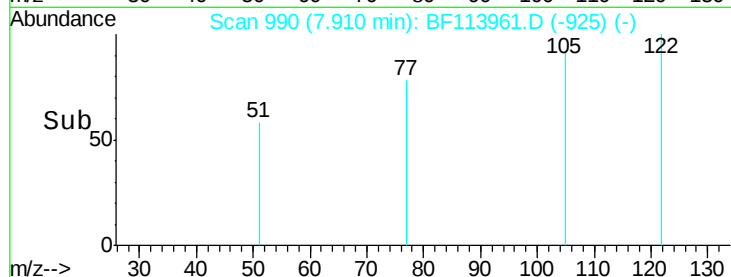
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



Time-->



#31

Naphthalene

Concen: 0.009 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

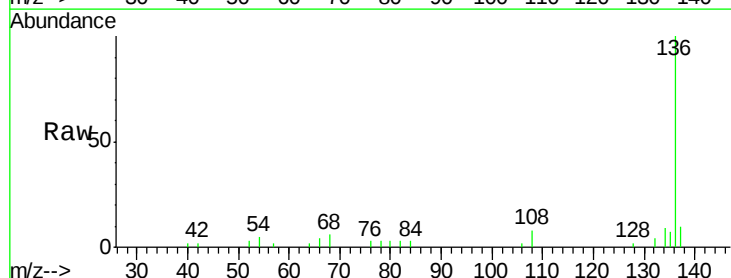
Tgt Ion:128 Resp: 232

Ion Ratio Lower Upper

128 100

129 0.0 9.4 14.0#

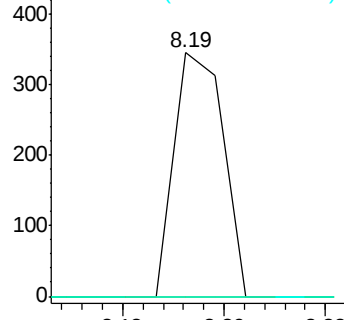
127 0.0 10.8 16.2#



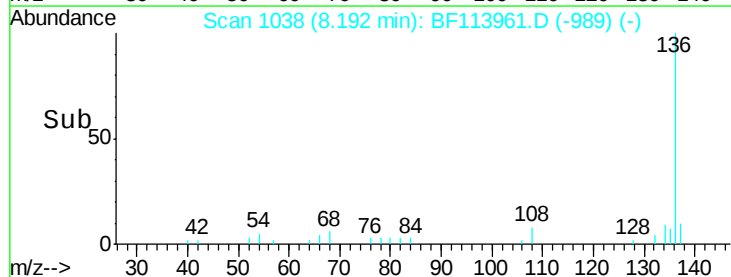
Abundance Ion 128.00 (127.70 to 128.70): E

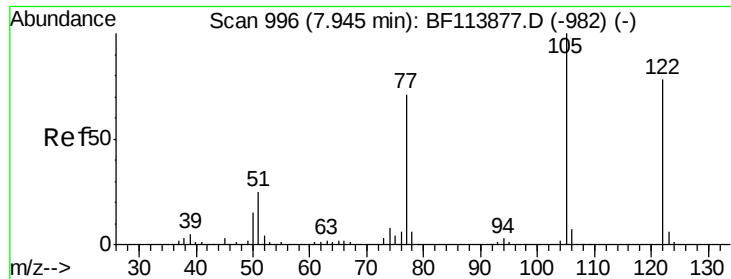
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->

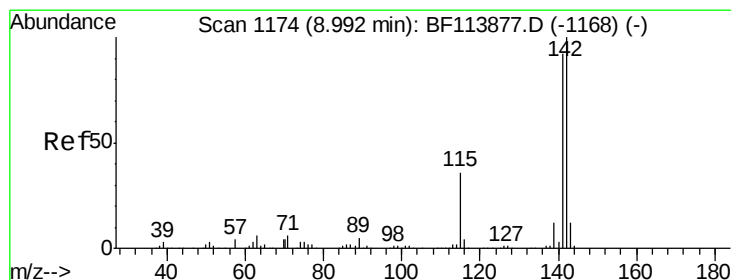
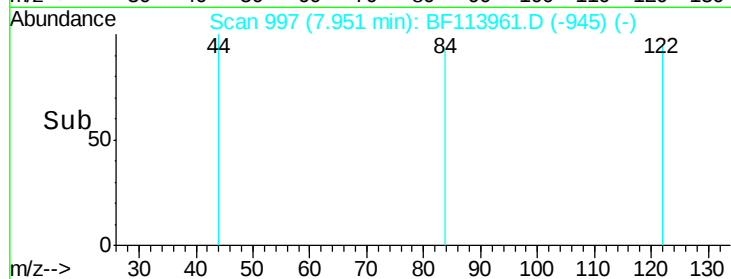
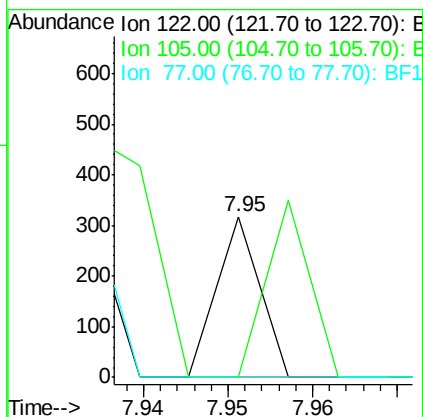
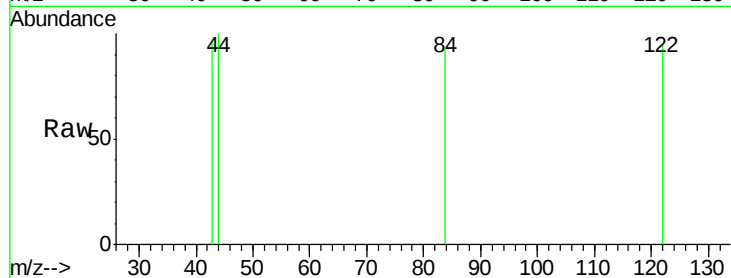




#32
Benzoic acid
Concen: 0.024 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

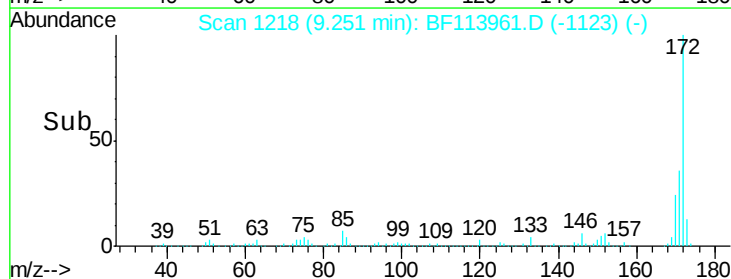
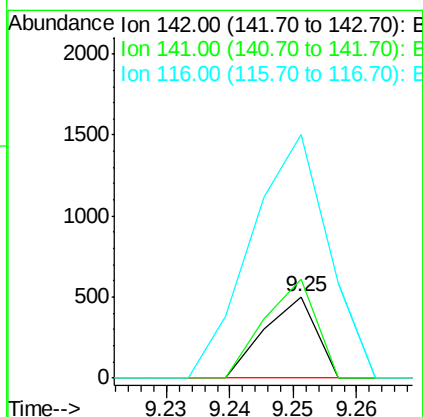
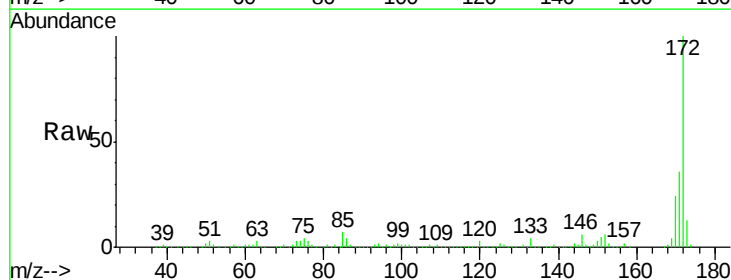
Instrument :
BNA_F
ClientSampleId :

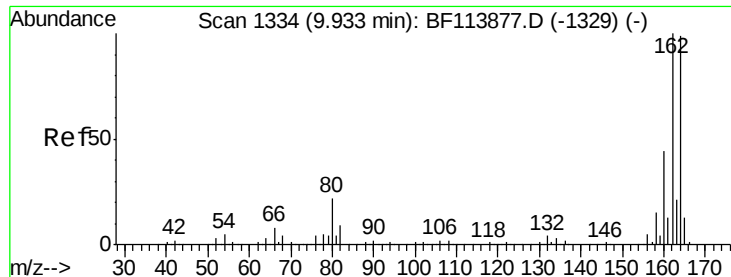
Tot Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 0.0 104.3 144.3#
77 0.0 70.4 110.4#



#38
1-Methylnaphthalene
Concen: 0.017 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.26 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:142 Resp: 285
Ion Ratio Lower Upper
142 100
141 121.0 72.3 108.5#
116 298.2 3.0 4.4#

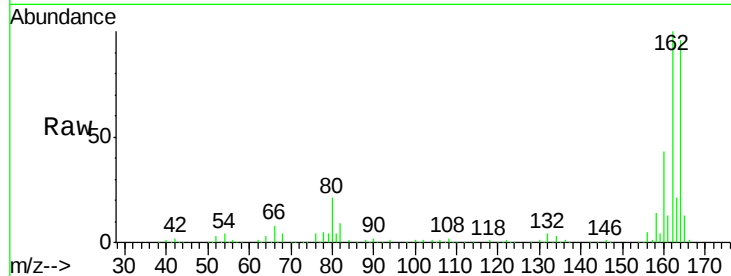




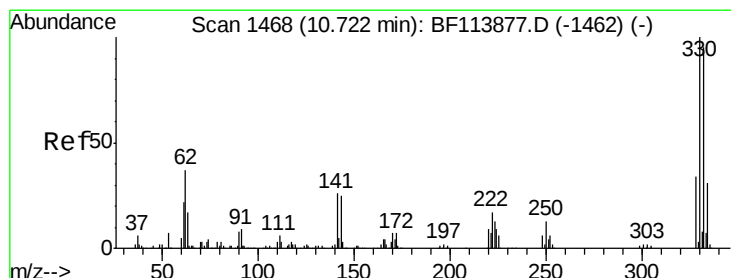
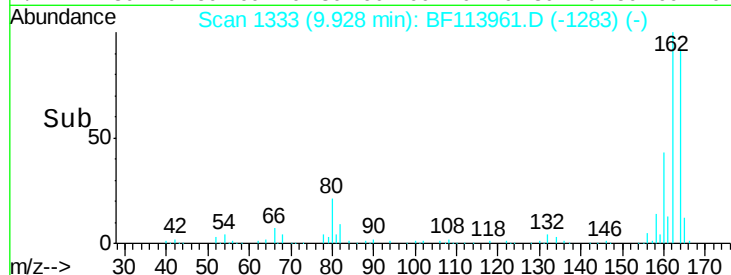
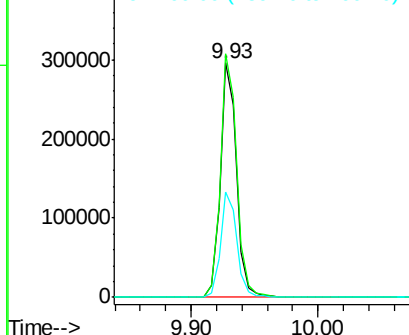
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 265159
Ion Ratio Lower Upper
164 100
162 103.8 81.1 121.7
160 44.7 35.8 53.6

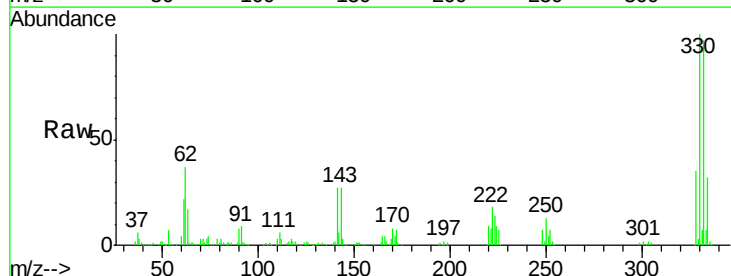


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

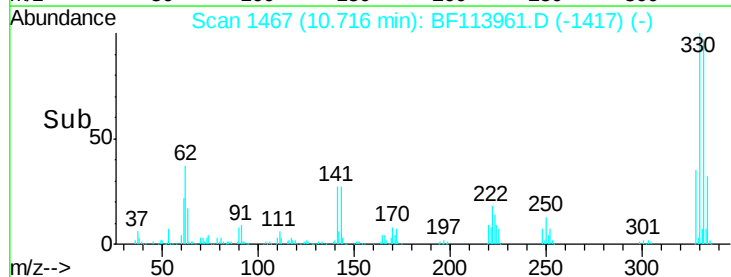
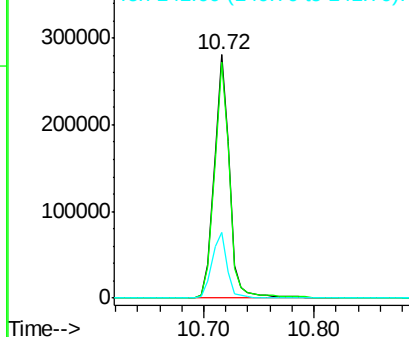


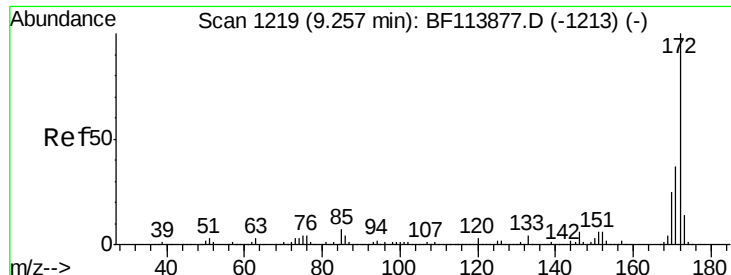
#42
2,4,6-Tribromophenol
Concen: 82.313 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:330 Resp: 265885
Ion Ratio Lower Upper
330 100
332 97.5 77.5 116.3
141 27.1 22.2 33.2



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

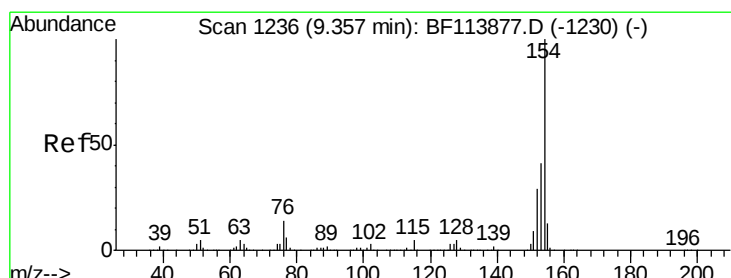
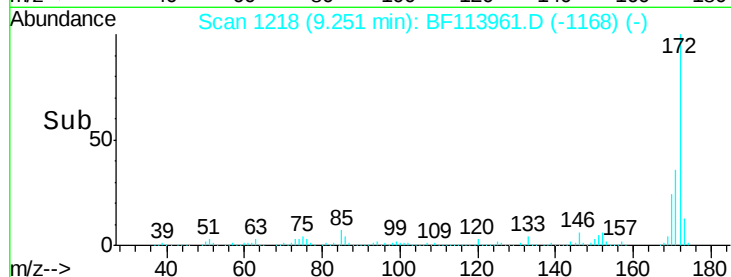
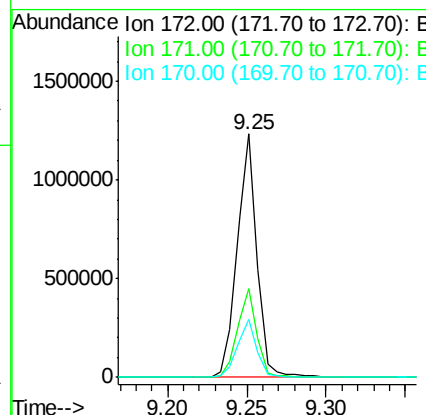
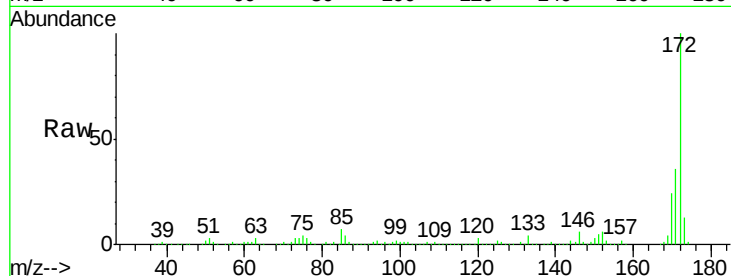




#45
2-Fluorobiphenyl
Concen: 62.738 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

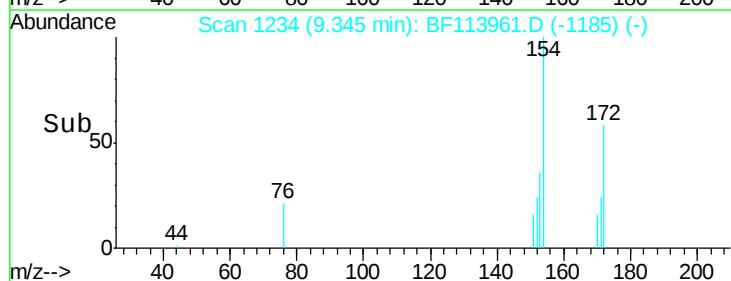
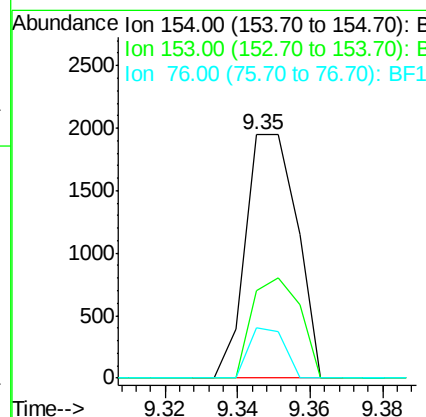
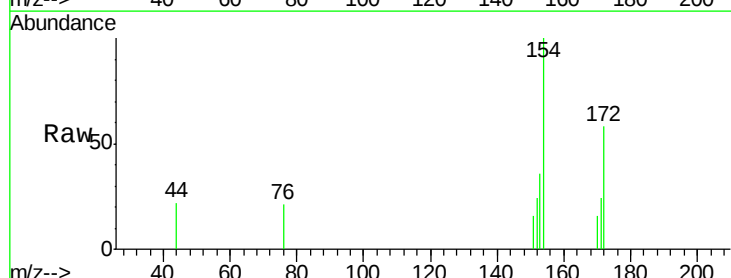
Instrument :
BNA_F
ClientSampleId :

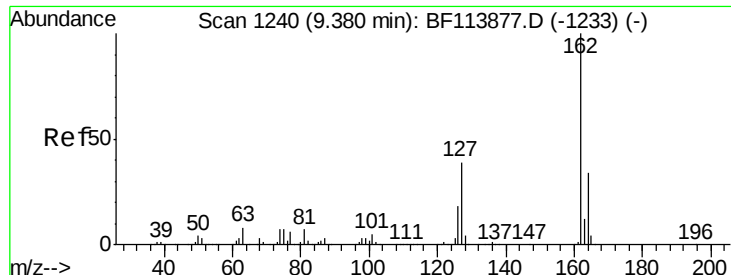
Tot Ion:172 Resp: 1063632
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.0 19.9 29.9



#46
1,1'-Biphenyl
Concen: 0.095 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:154 Resp: 1920
Ion Ratio Lower Upper
154 100
153 35.7 20.8 60.8
76 20.7 0.0 35.2

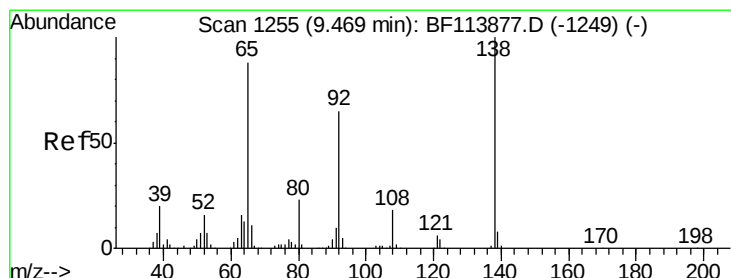
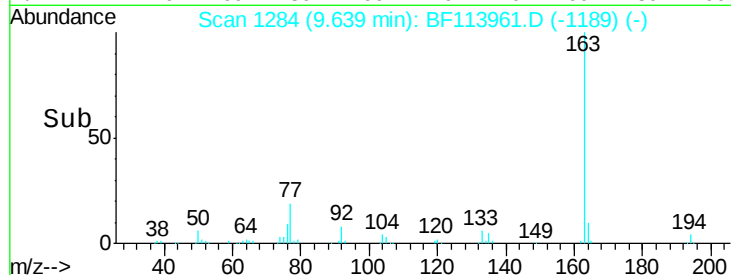
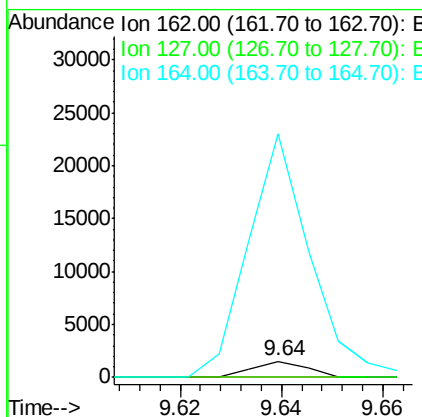
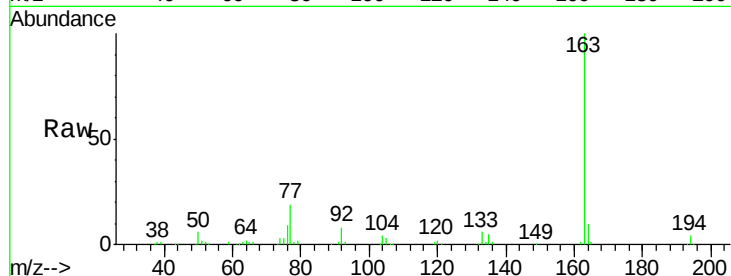




#47
 2-Chloronaphthalene
 Concen: 0.068 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.26 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

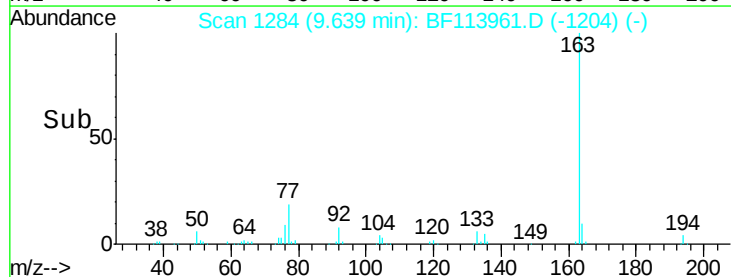
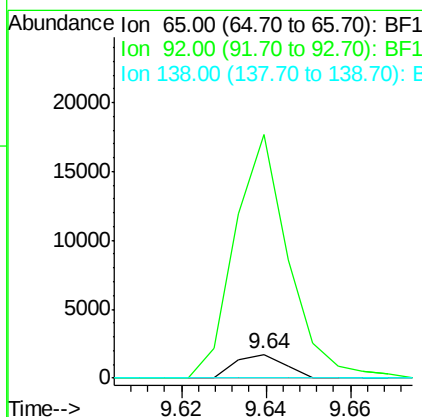
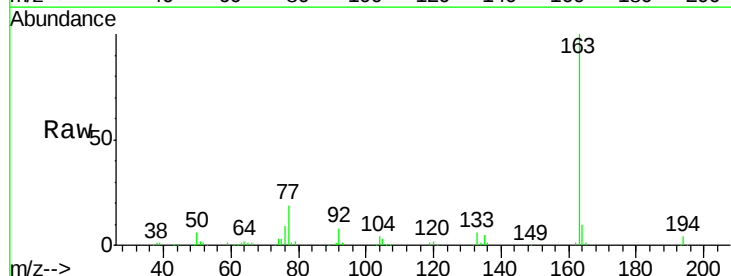
Instrument :
 BNA_F
 ClientSampleId :

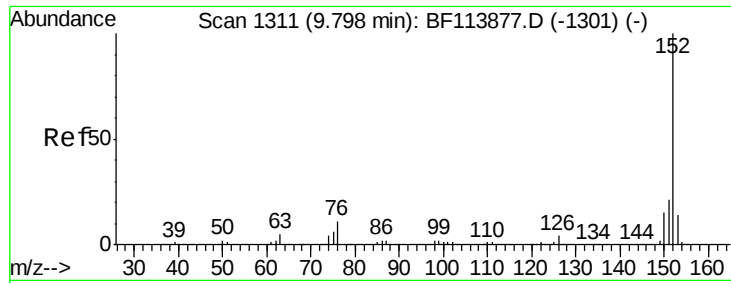
Tot Ion:162 Resp: 1115
 Ion Ratio Lower Upper
 162 100
 127 0.0 29.3 43.9#
 164 1541.1 27.1 40.7#



#48
 2-Nitroaniline
 Concen: 0.321 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. 0.17 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Tgt Ion: 65 Resp: 1387
 Ion Ratio Lower Upper
 65 100
 92 1017.4 57.4 86.0#
 138 0.0 85.4 128.0#





#49

Acenaphthylene

Concen: 0.011 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

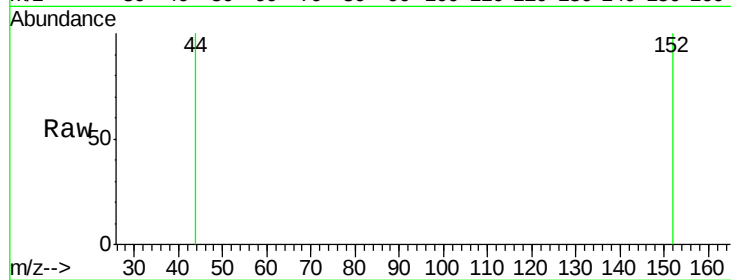
Tot Ion:152 Resp: 287

Ion Ratio Lower Upper

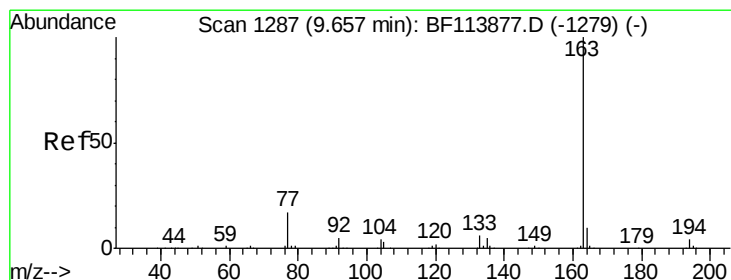
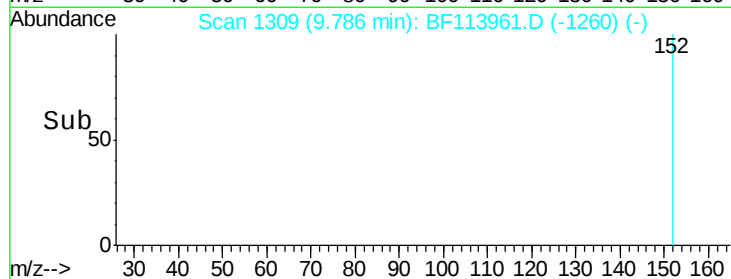
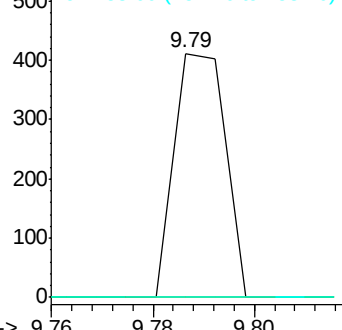
152 100

151 0.0 17.0 25.4#

153 0.0 11.0 16.6#



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



#50

Dimethylphthalate

Concen: 10.307 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

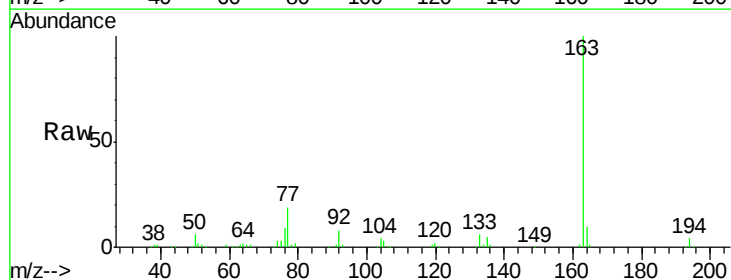
Tgt Ion:163 Resp: 197658

Ion Ratio Lower Upper

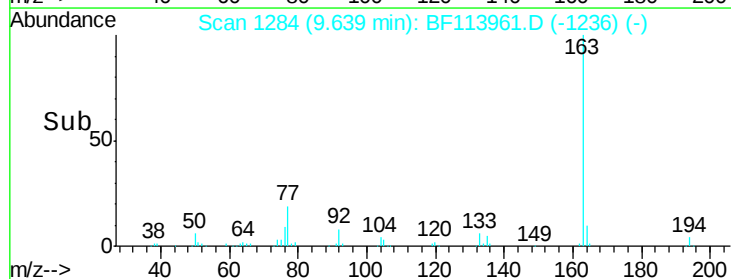
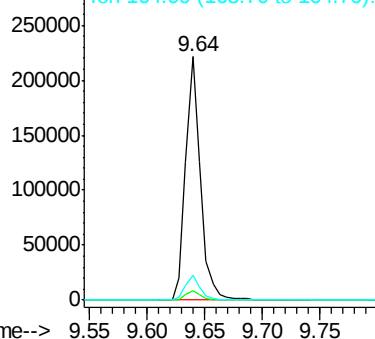
163 100

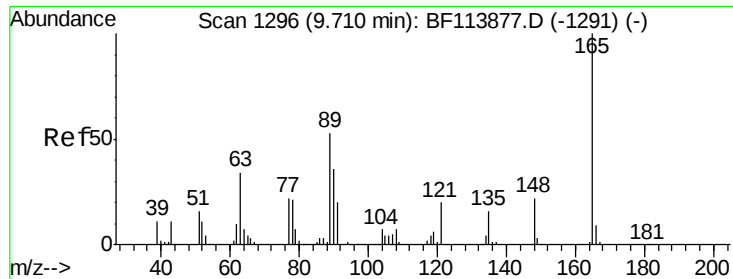
194 3.9 3.4 5.2

164 10.4 8.5 12.7



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





#51

2,6-Dinitrotoluene

Concen: 0.464 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.07 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

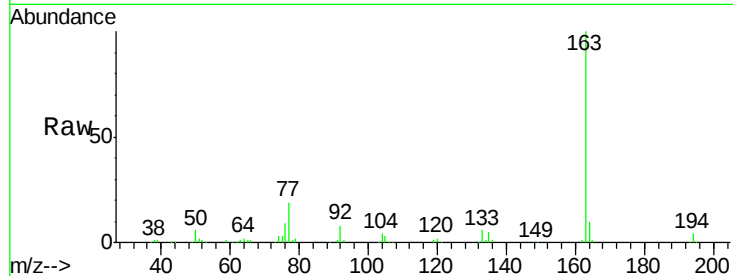
Tot Ion:165 Resp: 1908

Ion Ratio Lower Upper

165 100

63 112.0 33.8 50.8#

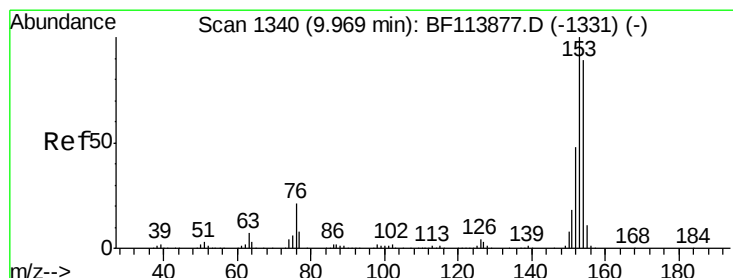
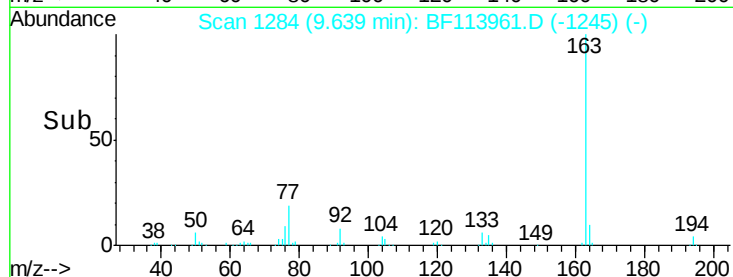
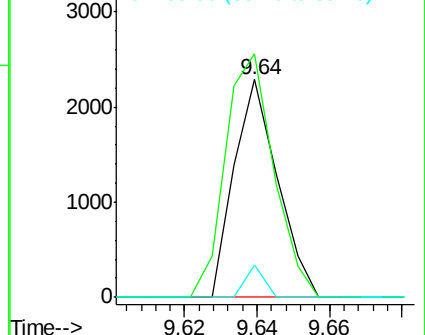
89 15.2 38.2 57.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 0.009 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

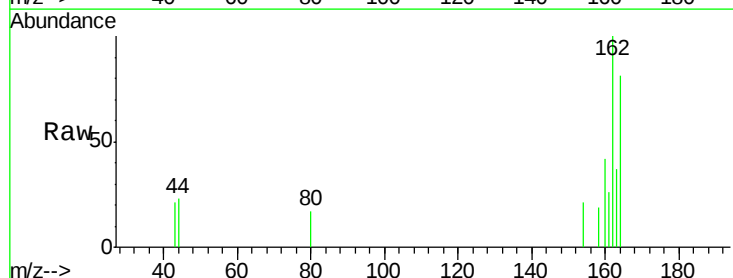
Tgt Ion:154 Resp: 130

Ion Ratio Lower Upper

154 100

153 0.0 87.2 130.8#

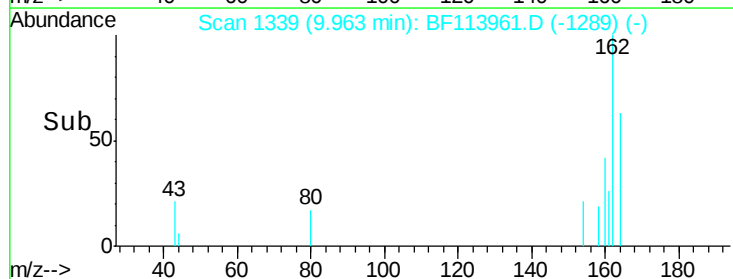
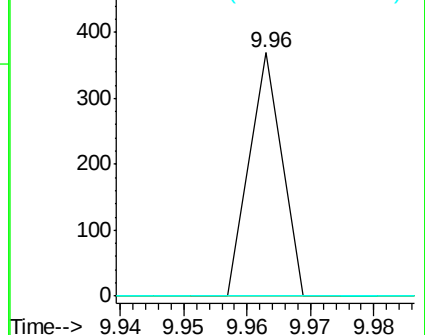
152 0.0 42.3 63.5#

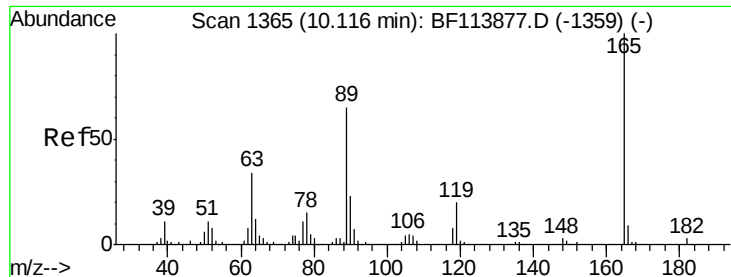


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

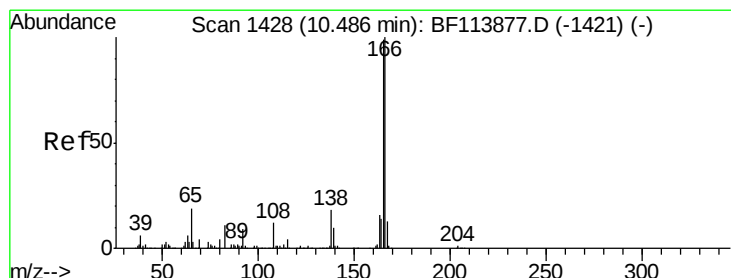
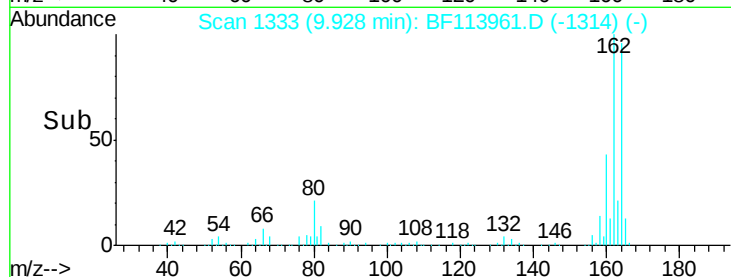
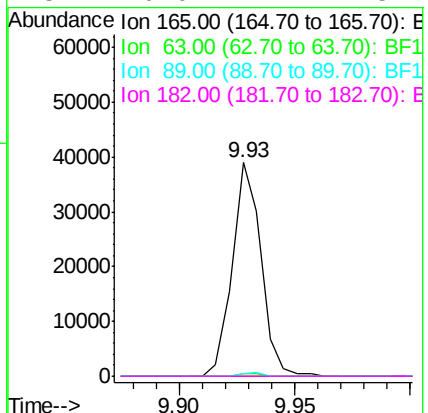
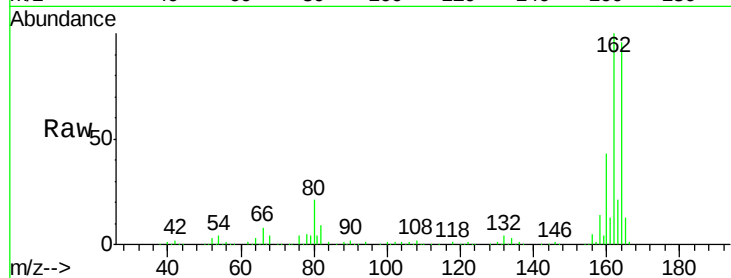




#57
2,4-Dinitrotoluene
Concen: 6.498 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

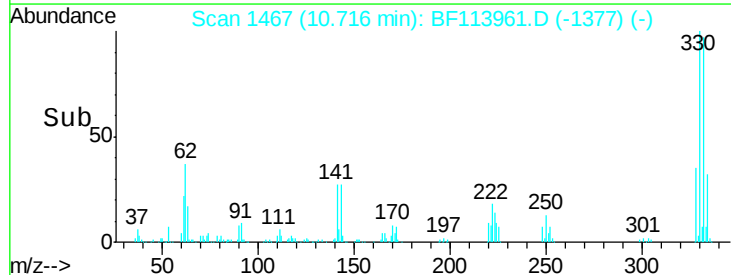
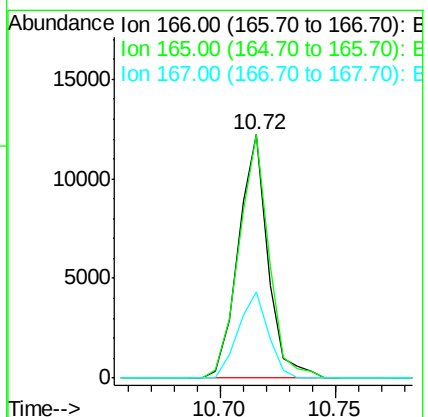
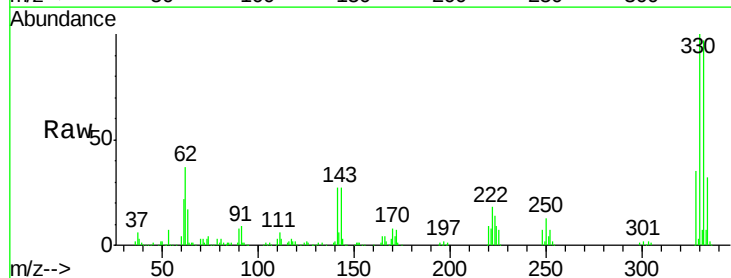
Instrument :
BNA_F
ClientSampleId :

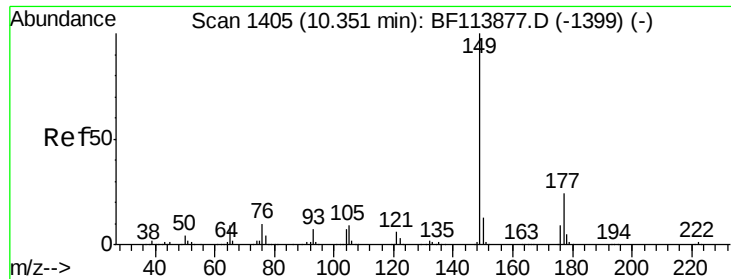
Tot Ion:165 Resp: 33746
Ion Ratio Lower Upper
165 100
63 1.2 27.4 41.0#
89 1.1 51.8 77.6#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 0.636 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.23 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:166 Resp: 10924
Ion Ratio Lower Upper
166 100
165 100.1 78.4 117.6
167 35.3 10.9 16.3#

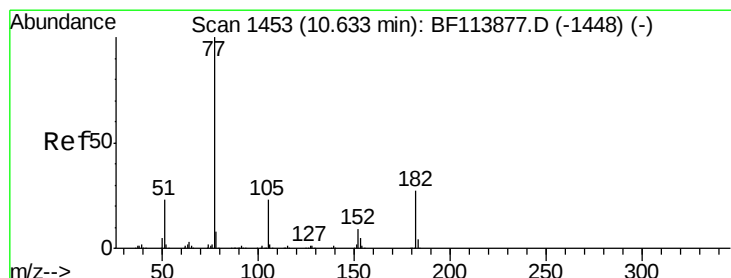
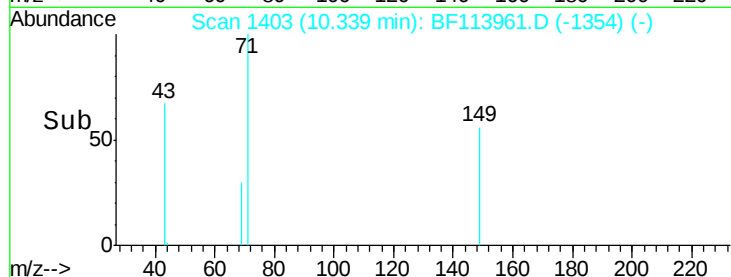
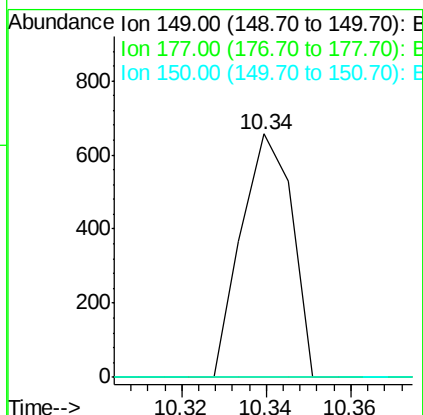
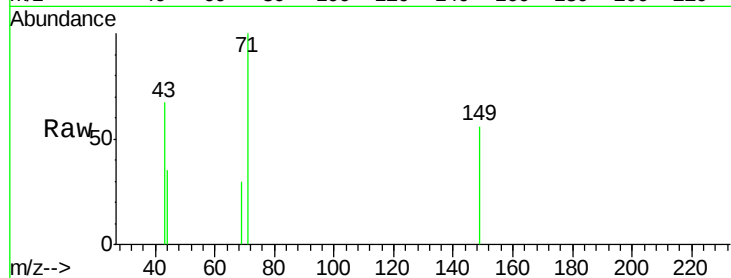




#60
Diethylphthalate
Concen: 0.030 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

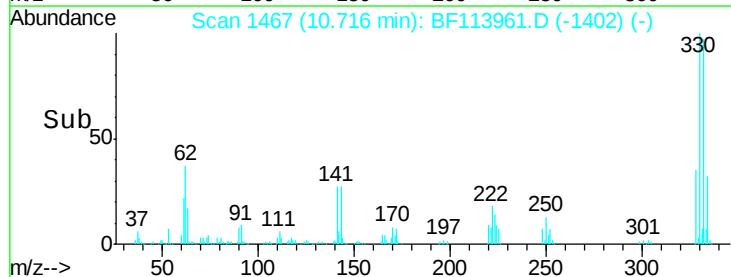
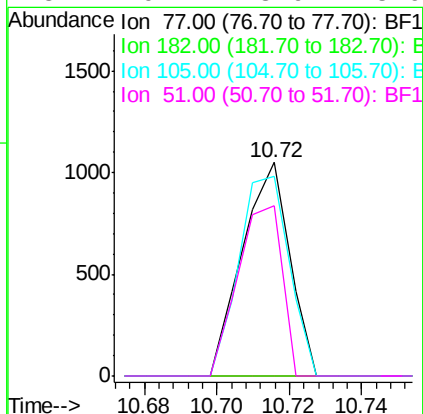
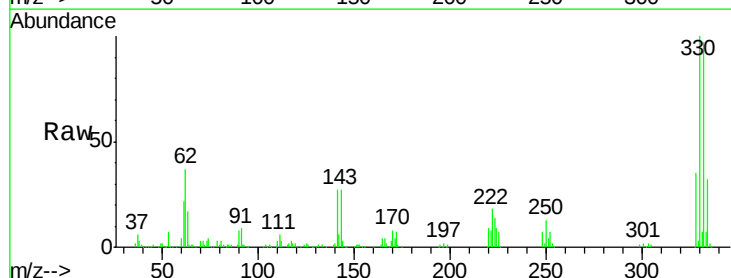
Instrument :
BNA_F
ClientSampleId :

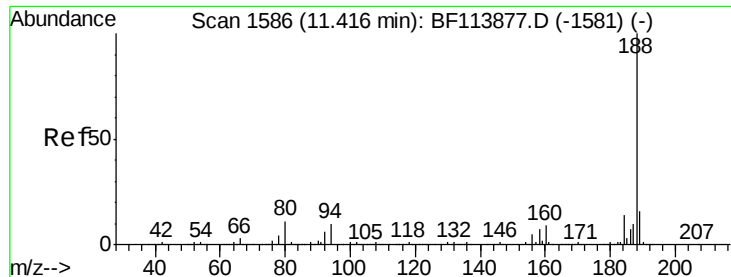
Tot Ion:149 Resp: 548
Ion Ratio Lower Upper
149 100
177 0.0 19.2 28.8#
150 0.0 10.3 15.5#



#63
Azobenzene
Concen: 0.054 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.08 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion: 77 Resp: 953
Ion Ratio Lower Upper
77 100
182 0.0 4.4 44.4#
105 93.4 2.2 42.2#
51 79.4 3.9 43.9#

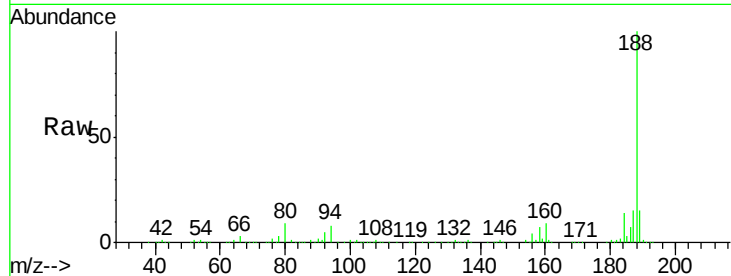




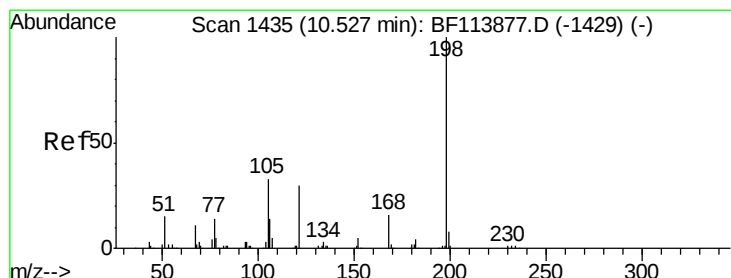
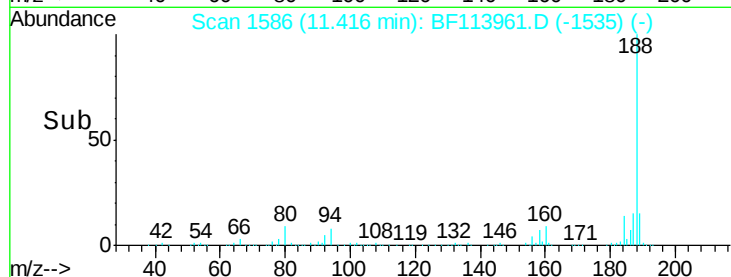
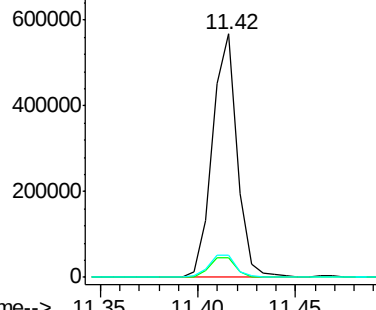
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 499871
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.2 12.4#
 80 9.3 9.0 13.6

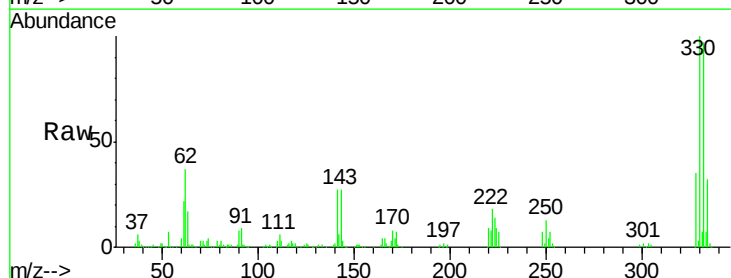


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

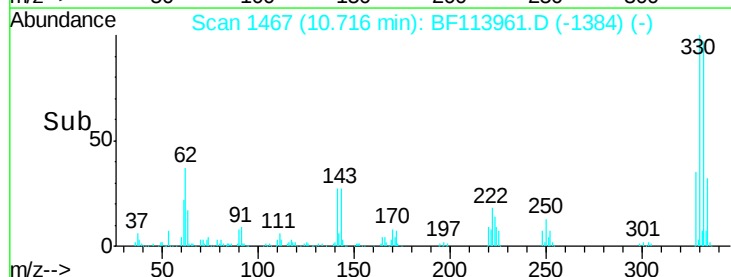
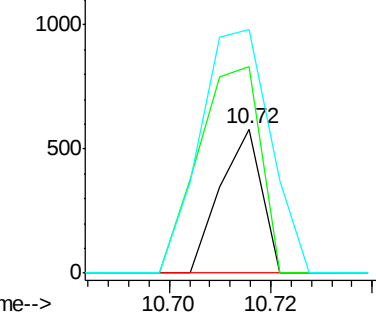


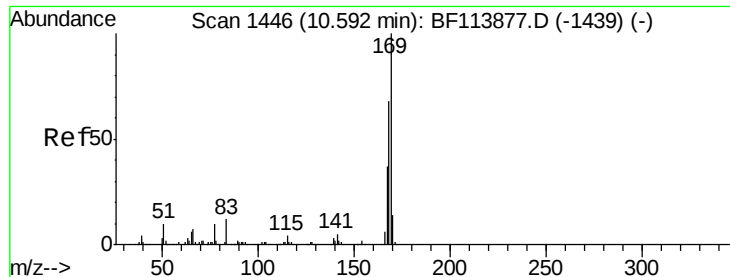
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.429 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Tgt Ion:198 Resp: 327
 Ion Ratio Lower Upper
 198 100
 51 143.8 11.1 51.1#
 105 169.1 20.7 60.7#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

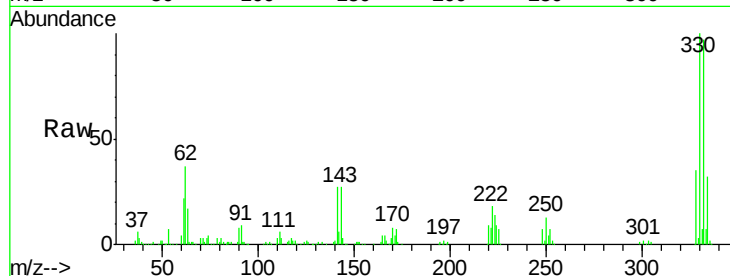




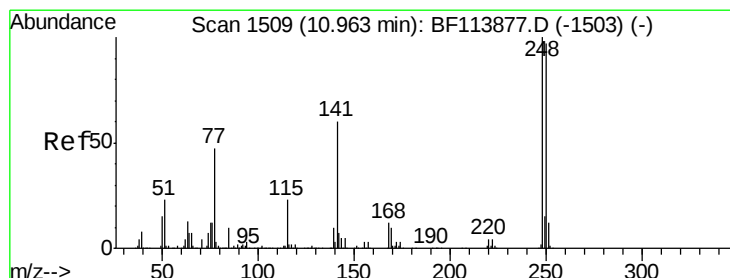
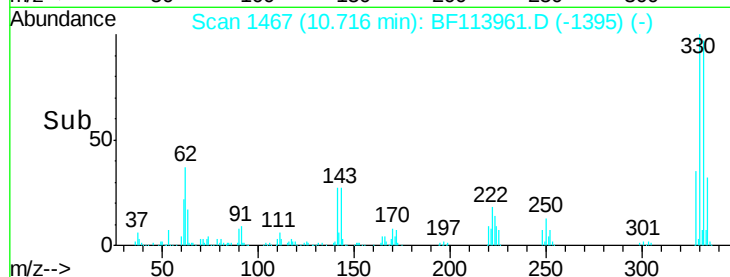
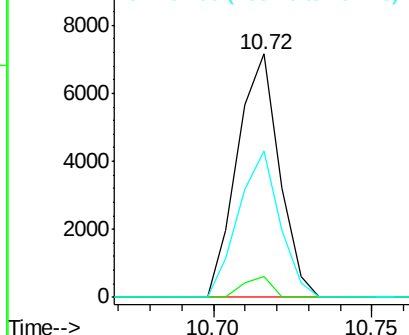
#66
 n-Nitrosodiphenylamine
 Concen: 0.437 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.12 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		6555		
168	8.3	54.3		81.5#	
167	60.2	29.4		44.0#	

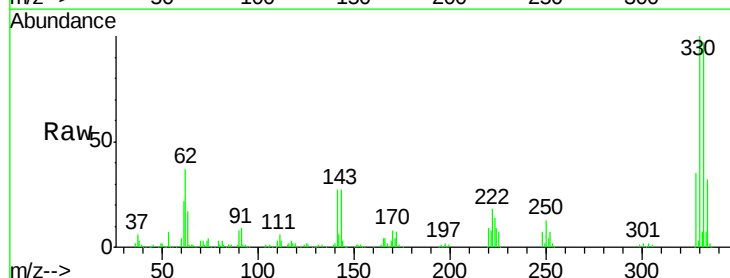


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

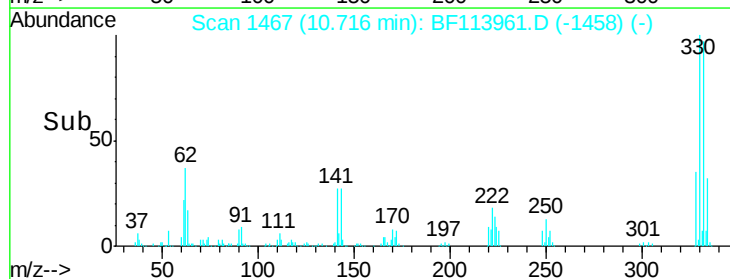
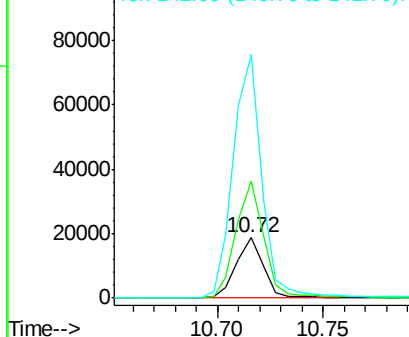


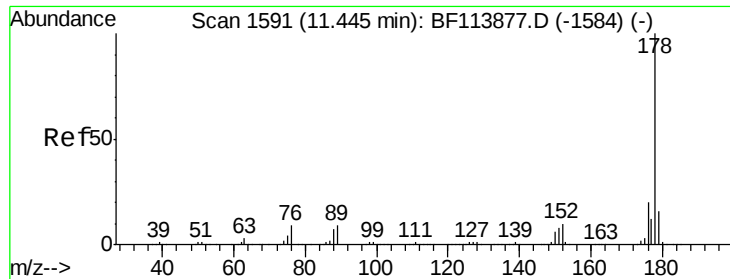
#67
 4-Bromophenyl-phenylether
 Concen: 2.758 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		16654		
250	193.8	75.8		113.6#	
141	404.0	50.2		75.4#	



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

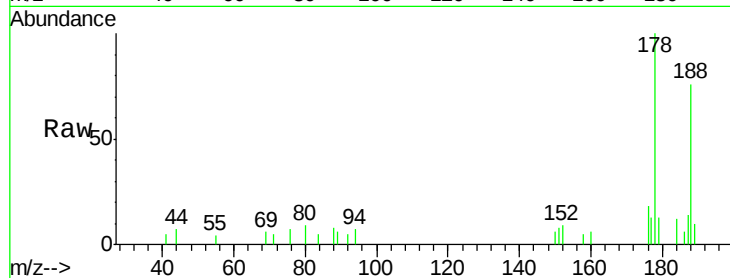




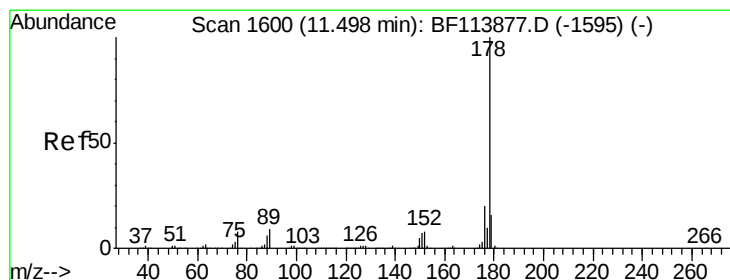
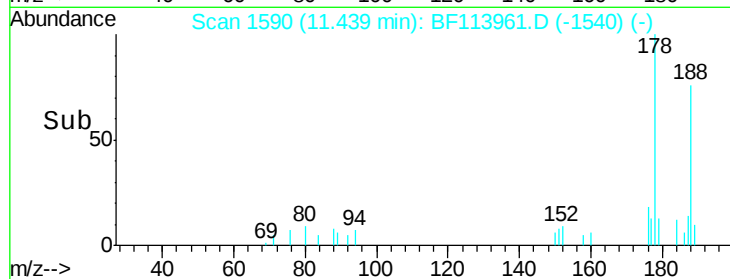
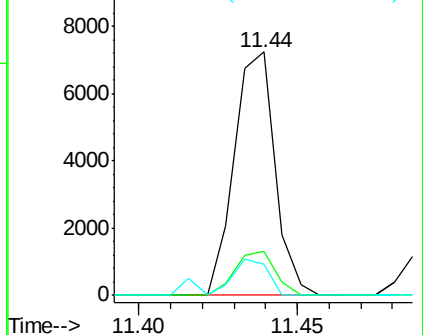
#71
Phenanthrene
Concen: 0.256 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 6422
Ion Ratio Lower Upper
178 100
176 18.3 16.1 24.1
179 12.9 12.8 19.2

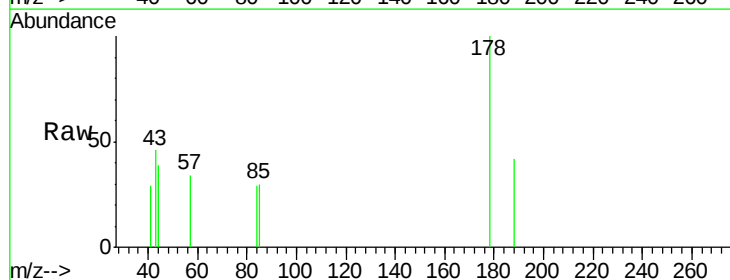


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

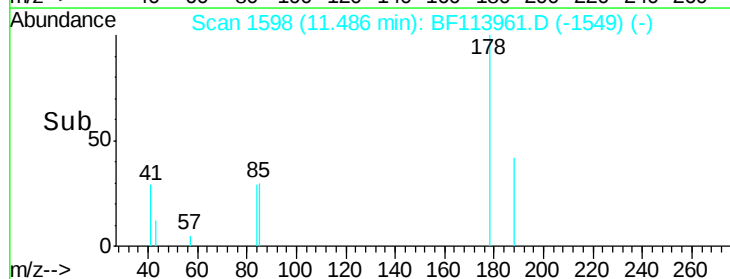
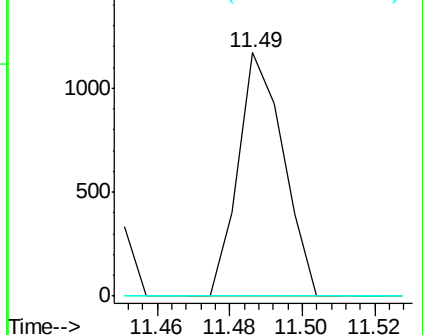


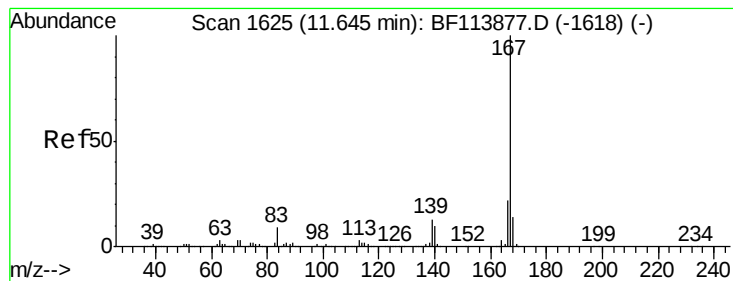
#72
Anthracene
Concen: 0.040 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:178 Resp: 1019
Ion Ratio Lower Upper
178 100
176 0.0 15.7 23.5#
179 0.0 13.0 19.4#



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





#73

Carbazole

Concen: 0.036 ng

RT: 11.65 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

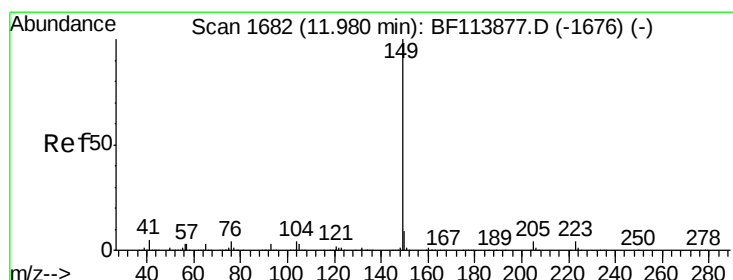
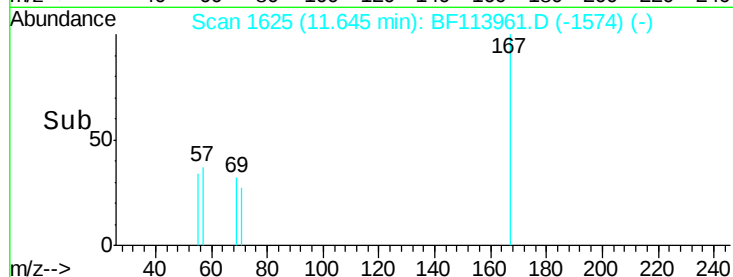
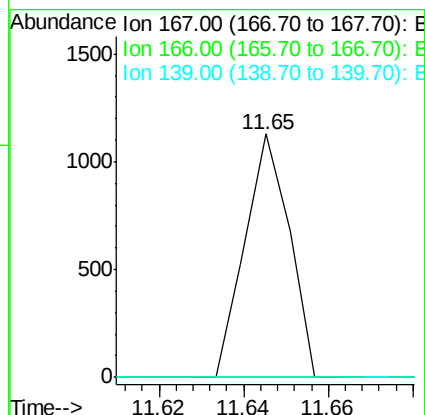
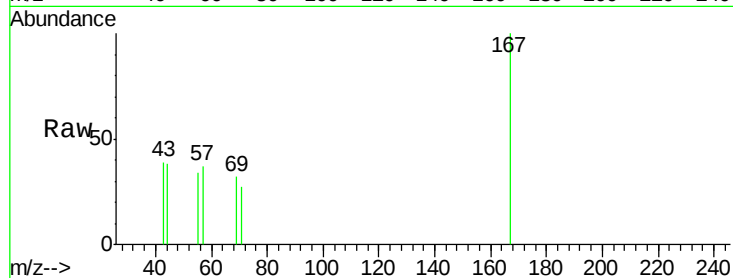
Tot Ion:167 Resp: 824

Ion Ratio Lower Upper

167 100

166 0.0 17.7 26.5#

139 0.0 10.0 15.0#



#74

Di-n-butylphthalate

Concen: 0.076 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

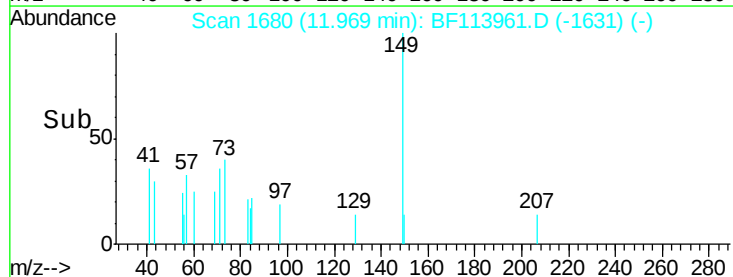
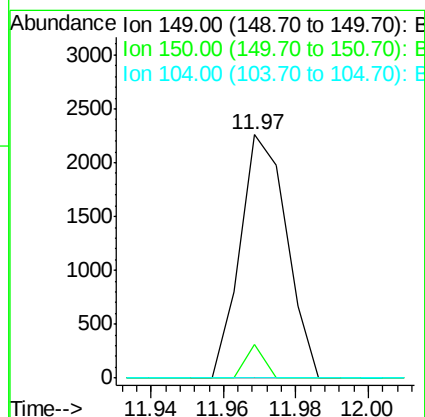
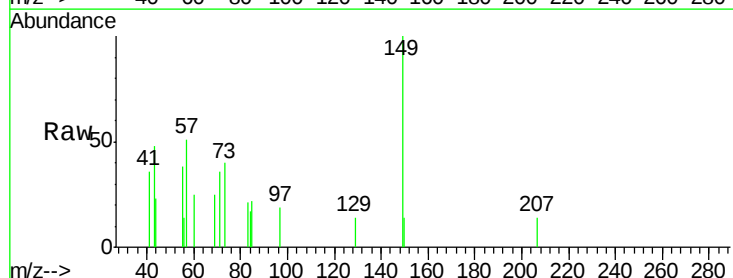
Tgt Ion:149 Resp: 2016

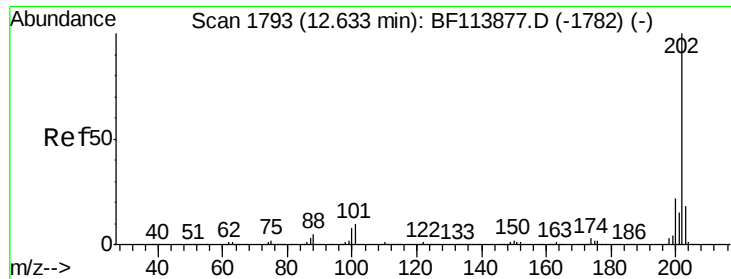
Ion Ratio Lower Upper

149 100

150 13.9 7.8 11.8#

104 0.0 3.8 5.8#

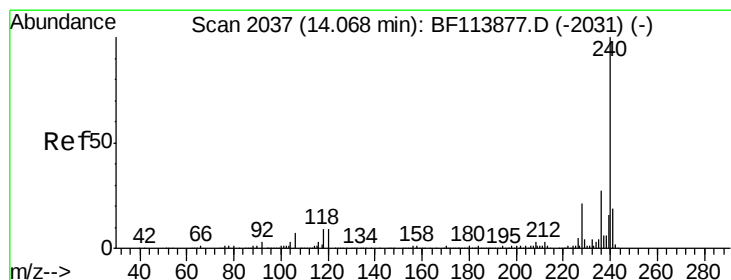
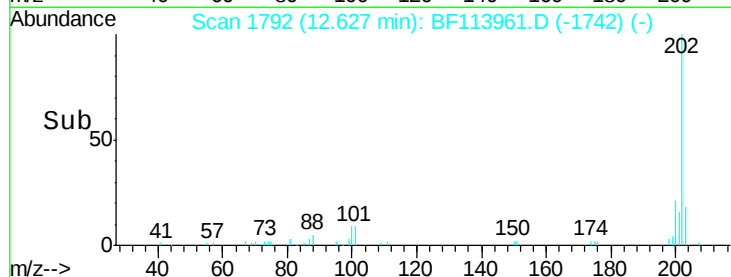
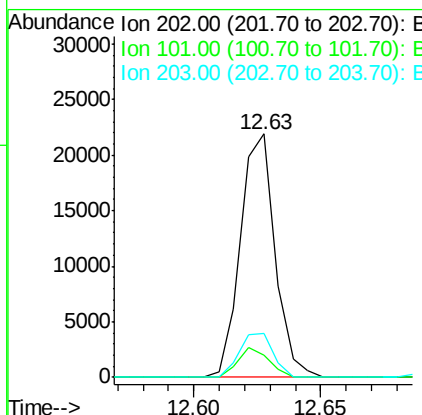
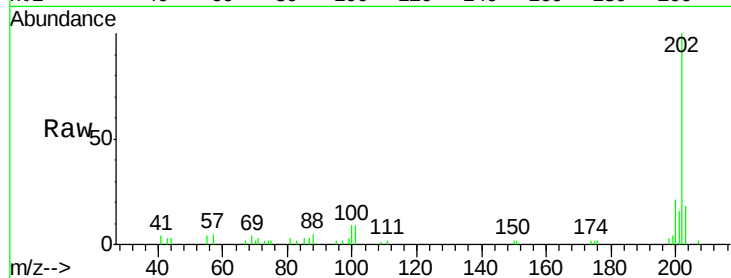




#75
 Fluoranthene
 Concen: 0.759 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

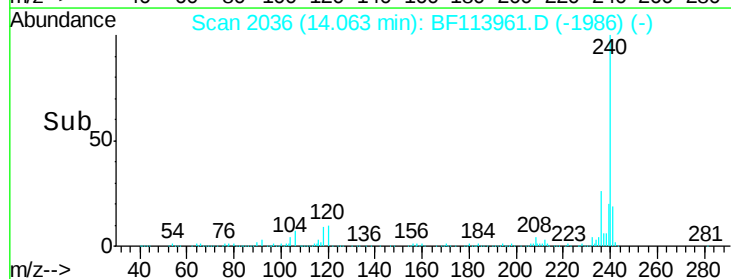
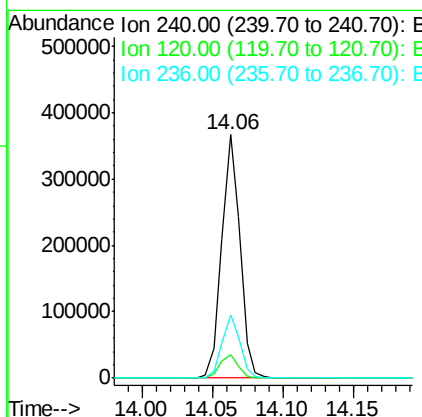
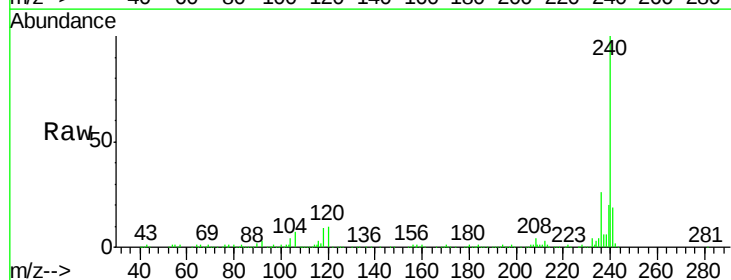
Instrument :
 BNA_F
 ClientSampleId :

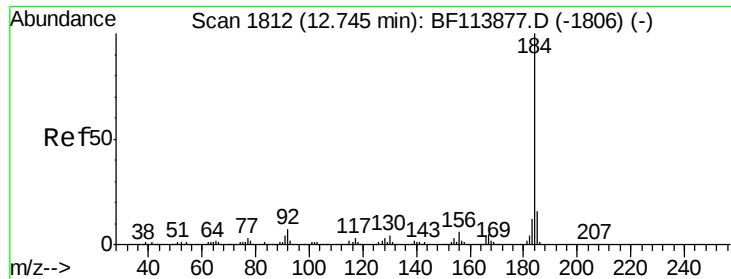
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	32.9
203	17.8	0.0	38.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.3	13.9
236	25.8	21.2	31.8

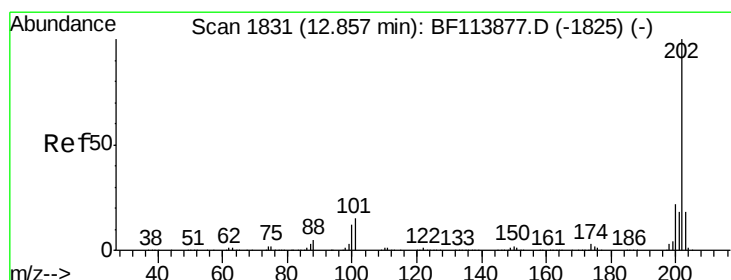
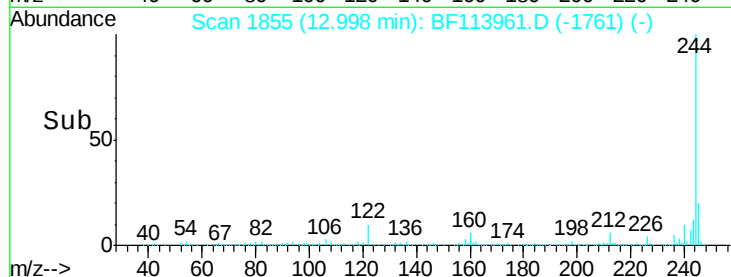
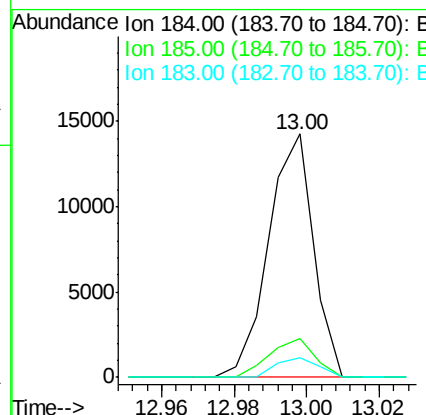
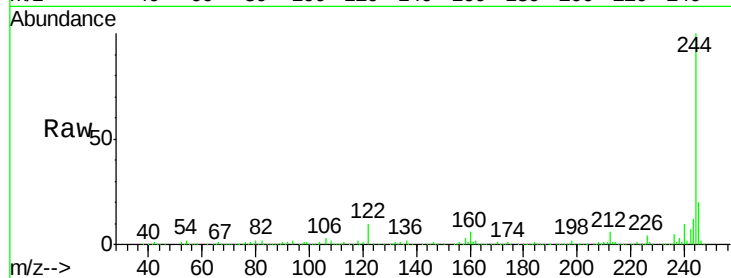




#77
Benzidine
Concen: 1.241 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

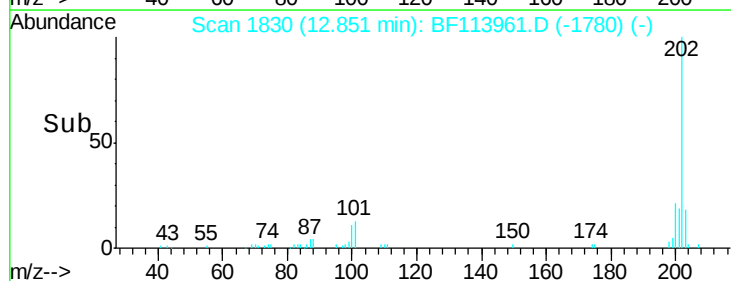
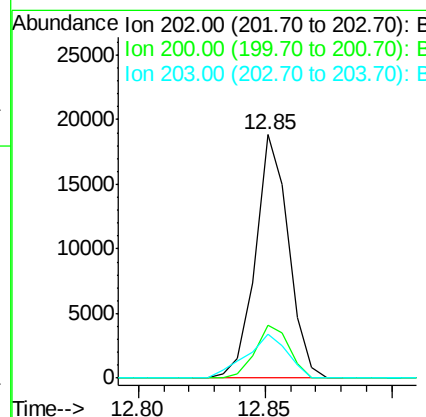
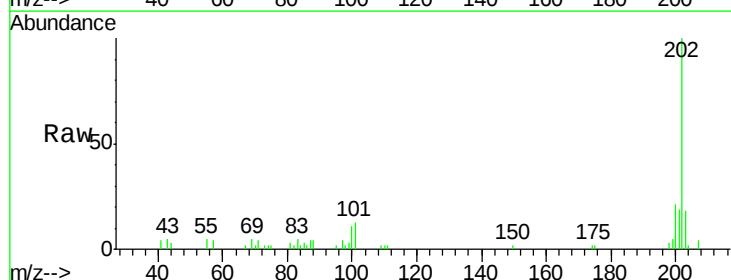
Instrument :
BNA_F
ClientSampleId :

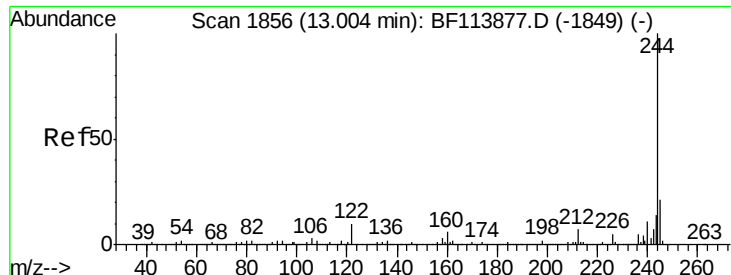
Tot Ion:184 Resp: 12233
Ion Ratio Lower Upper
184 100
185 16.2 13.0 19.6
183 8.0 9.4 14.0#



#78
Pyrene
Concen: 0.739 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:202 Resp: 17097
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 18.0 15.0 22.6





#79

Terphenyl-d14

Concen: 66.318 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

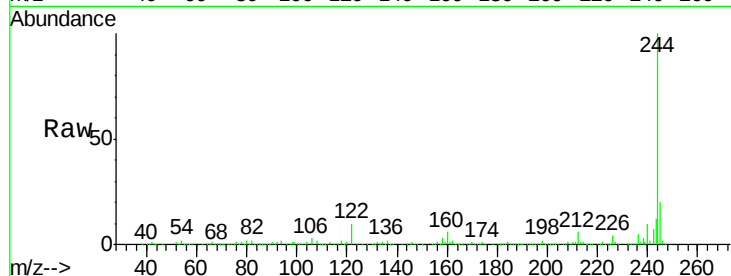
Tot Ion:244 Resp: 1070191

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

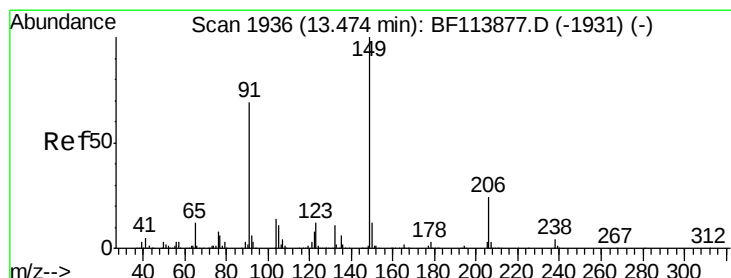
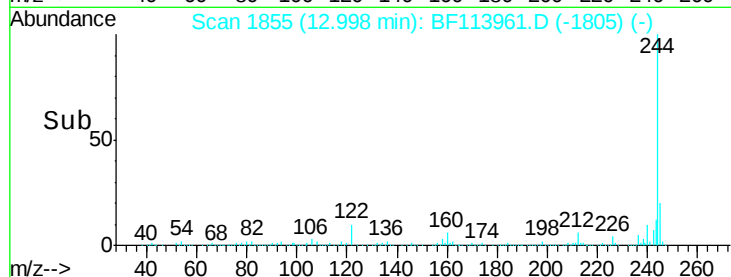
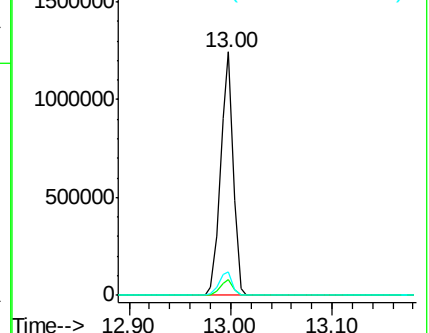
122 9.6 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.083 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

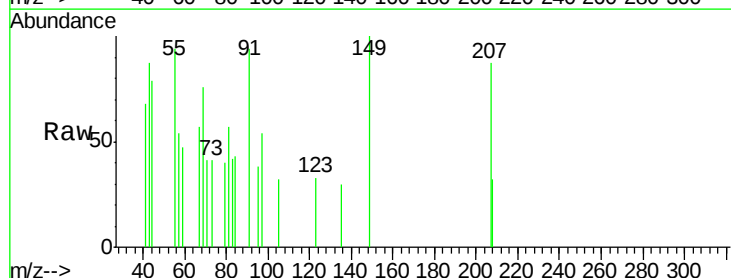
Tgt Ion:149 Resp: 757

Ion Ratio Lower Upper

149 100

91 94.4 56.3 84.5#

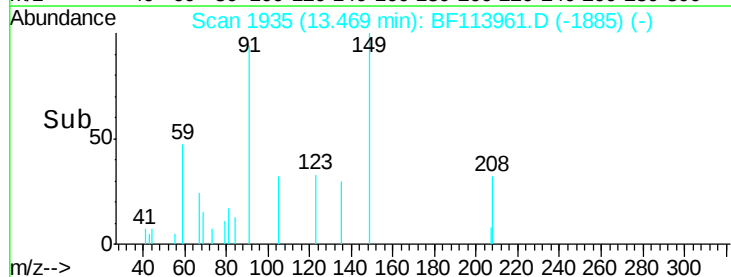
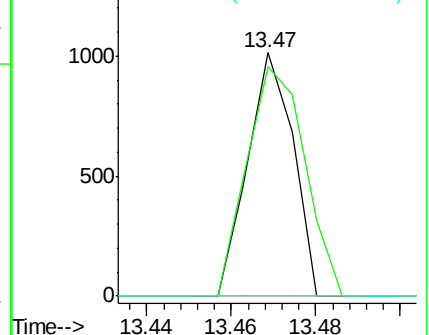
206 0.0 19.0 28.6#

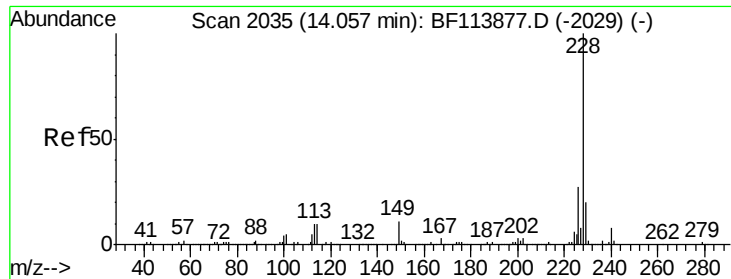


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

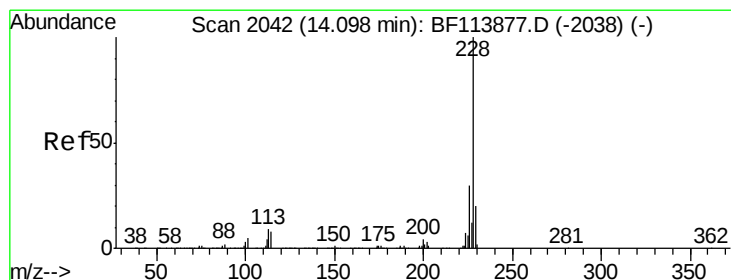
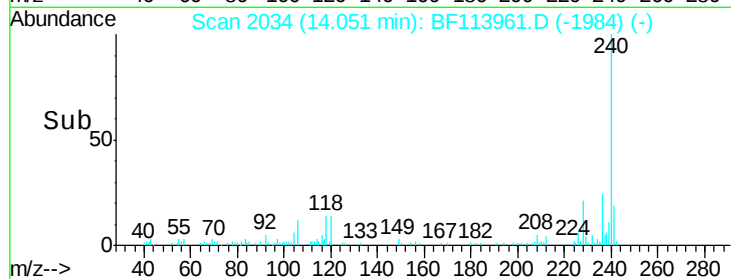
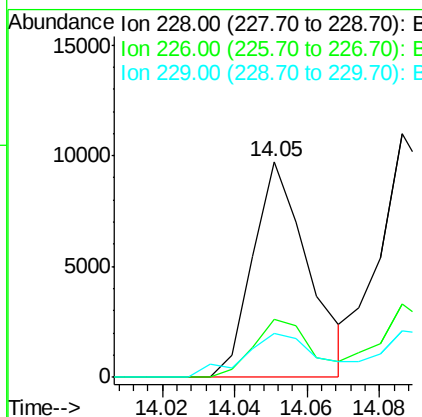
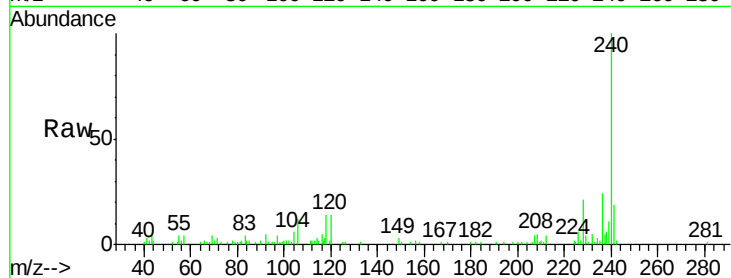




#81
Benzo(a)anthracene
Concen: 0.529 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

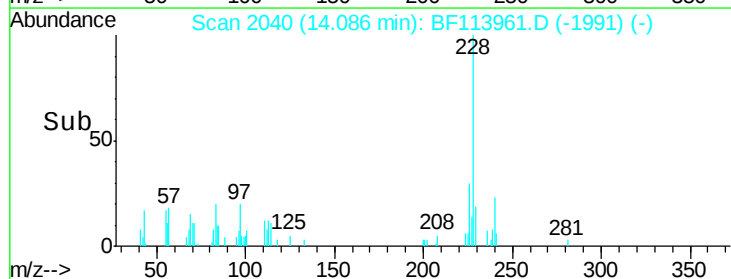
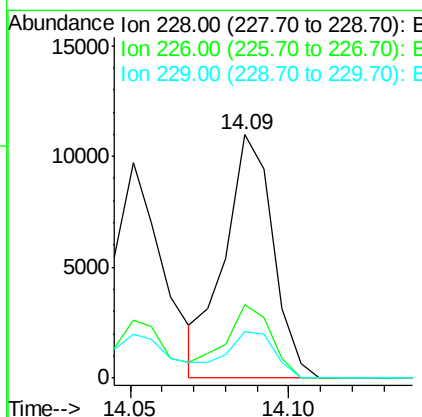
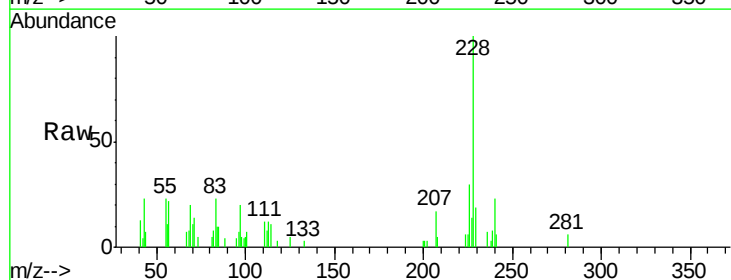
Instrument :
BNA_F
ClientSampleId :

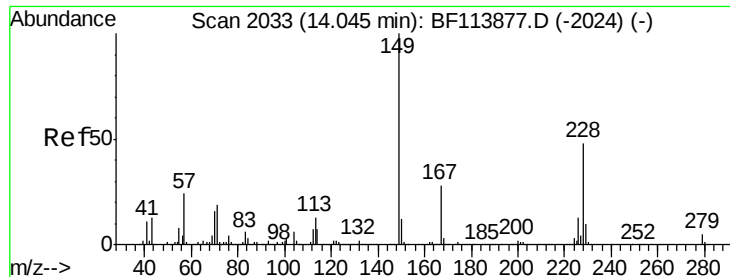
Tot Ion:228 Resp: 10316
Ion Ratio Lower Upper
228 100
226 27.0 22.2 33.2
229 20.2 16.0 24.0



#83
Chrysene
Concen: 0.609 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:228 Resp: 11560
Ion Ratio Lower Upper
228 100
226 29.9 25.2 37.8
229 19.3 16.7 25.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.179 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

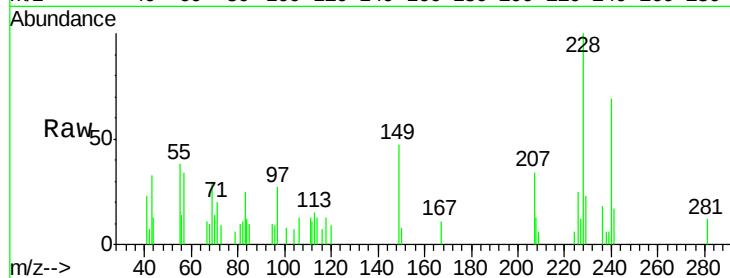
Tot Ion:149 Resp: 2070

Ion Ratio Lower Upper

149 100

167 23.5 22.9 34.3

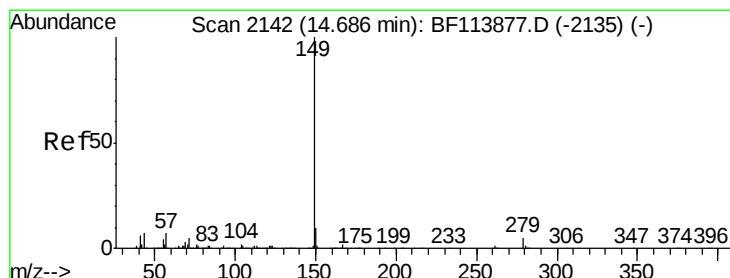
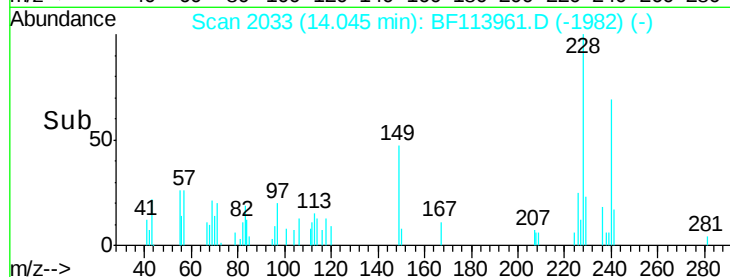
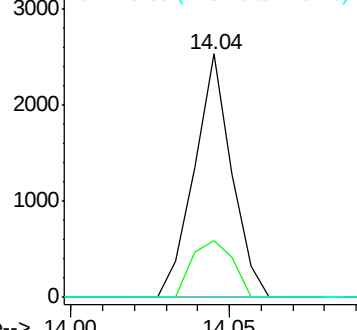
279 0.0 4.2 6.2#



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



#85

Di-n-octyl phthalate

Concen: 0.007 ng

RT: 14.68 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

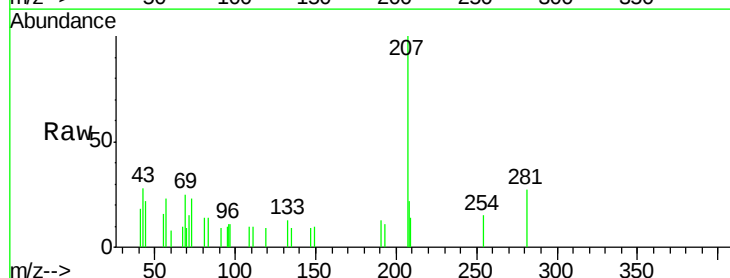
Tgt Ion:149 Resp: 131

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

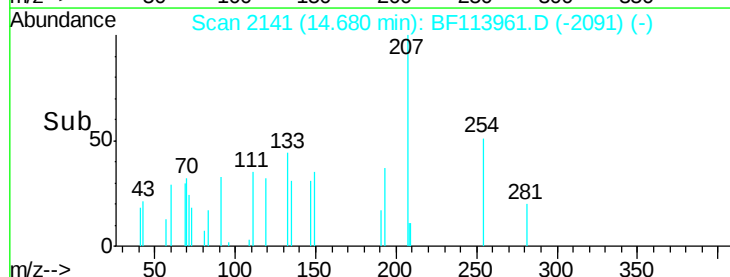
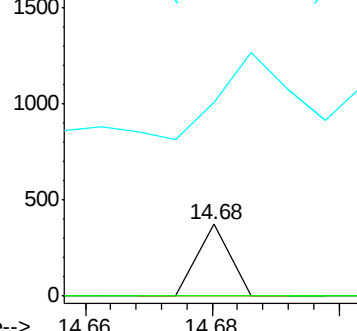
43 730.5 6.6 10.0#

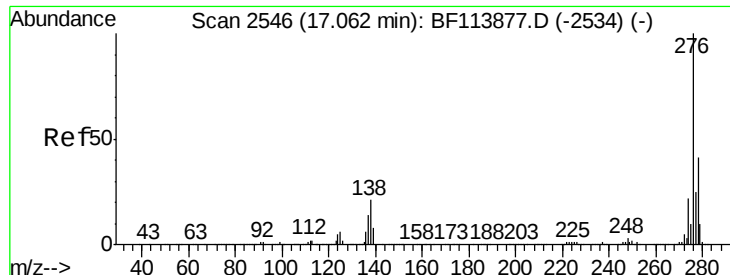


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

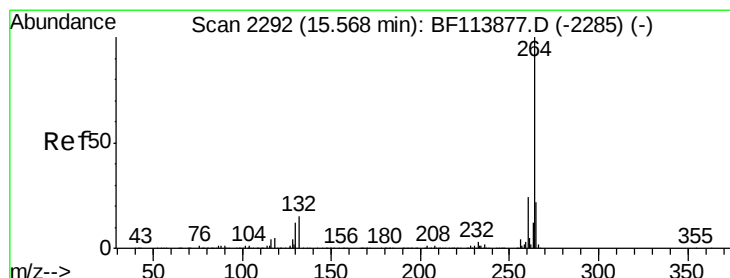
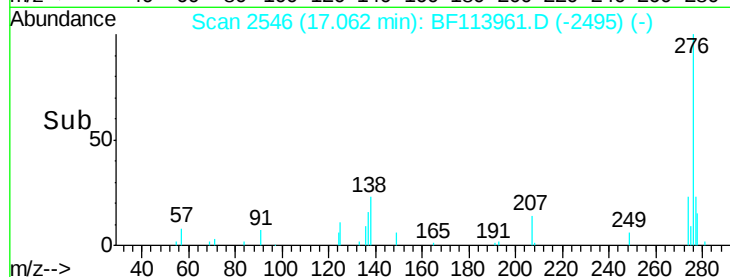
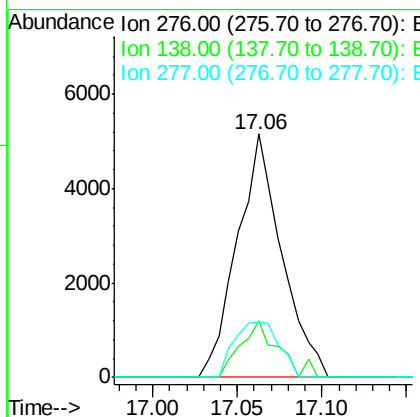
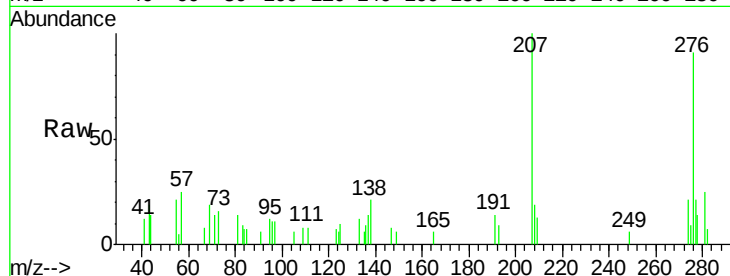




#86
Indeno(1,2,3-cd)pyrene
Concen: 0.526 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.00 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

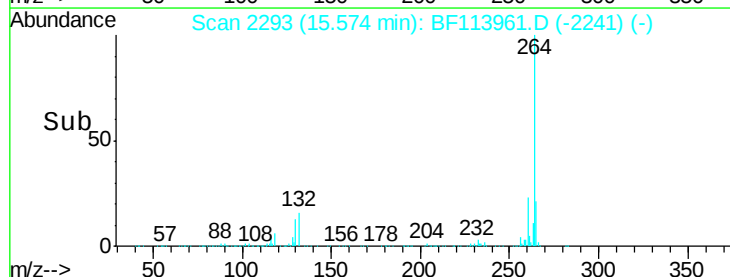
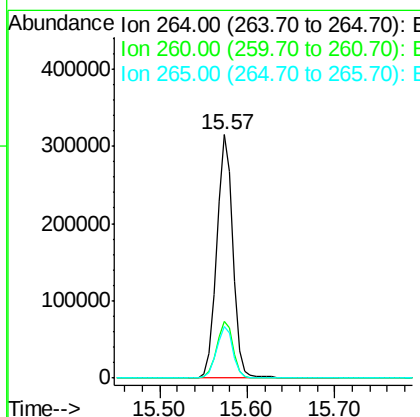
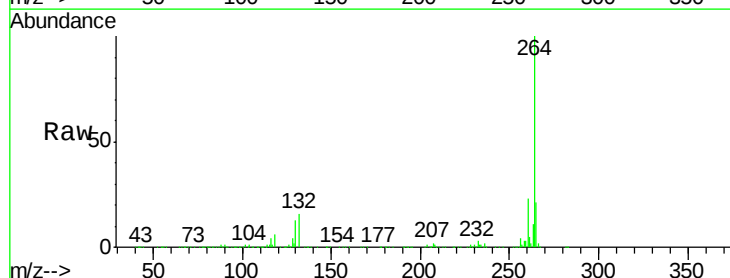
Instrument :
BNA_F
ClientSampleId :

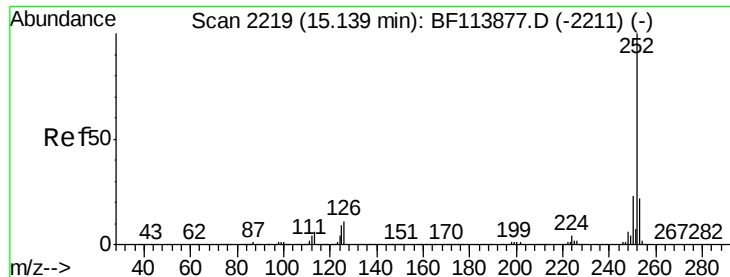
Tot Ion:276 Resp: 9461
Ion Ratio Lower Upper
276 100
138 19.7 19.6 29.4
277 22.9 20.2 30.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:264 Resp: 405004
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 21.1 17.3 25.9

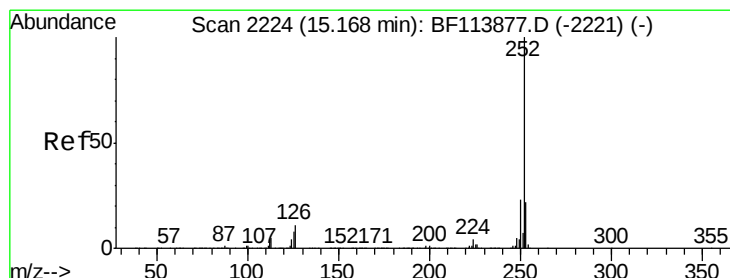
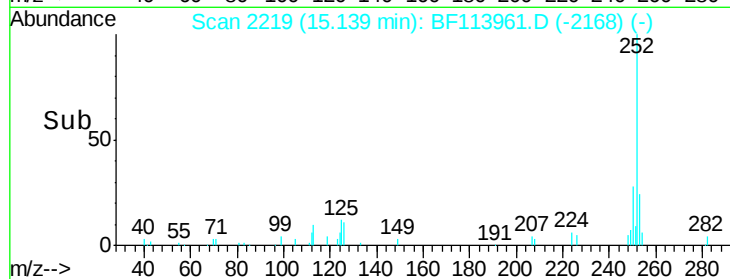
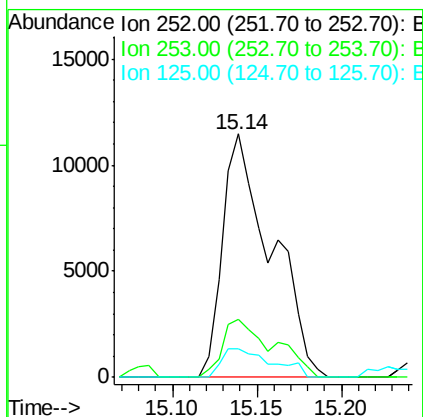
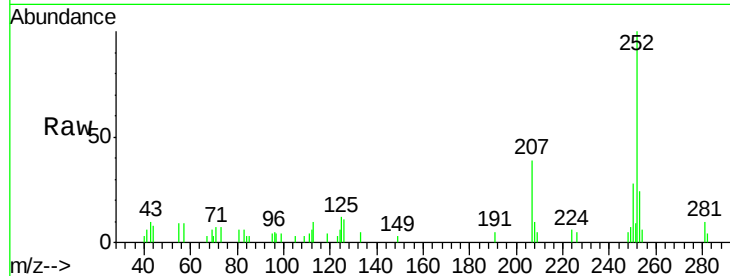




#88
Benzo(b)fluoranthene
Concen: 0.897 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

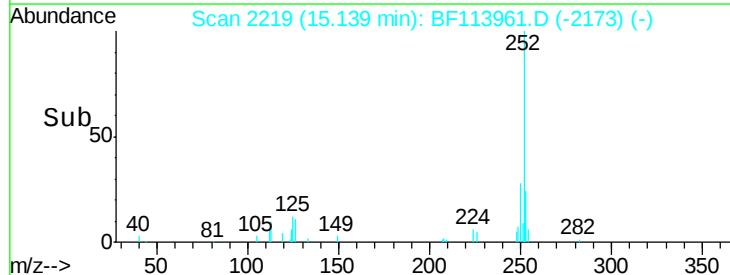
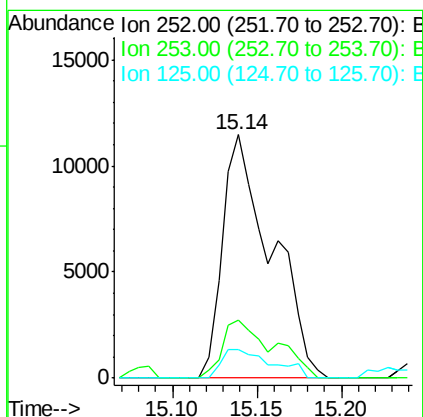
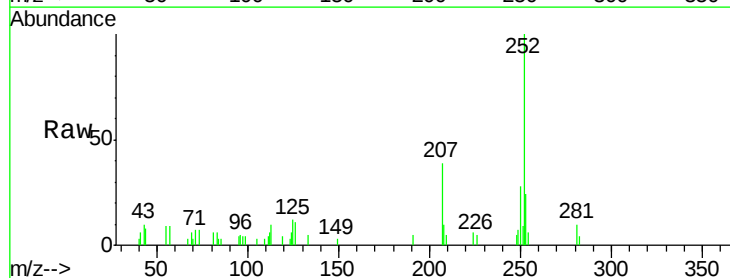
Instrument :
BNA_F
ClientSampleId :

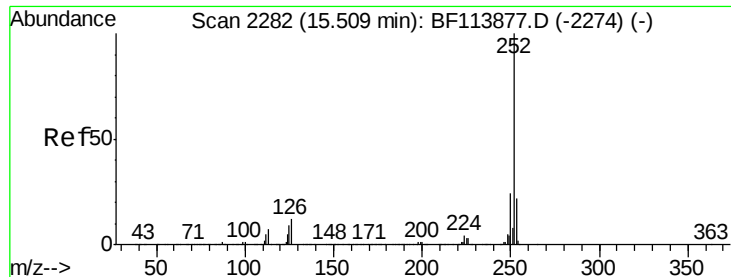
Tot Ion:252 Resp: 22980
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 11.8 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 1.043 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF113961.D
Acq: 24 Apr 2019 15:10

Tgt Ion:252 Resp: 22980
Ion Ratio Lower Upper
252 100
253 23.9 18.2 27.2
125 11.8 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 0.514 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

Instrument :

BNA_F

ClientSampleId :

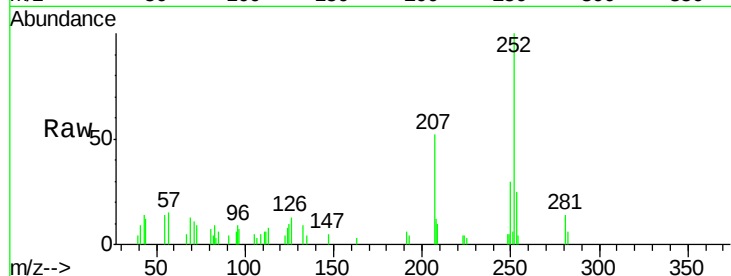
Tot Ion:252 Resp: 11393

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

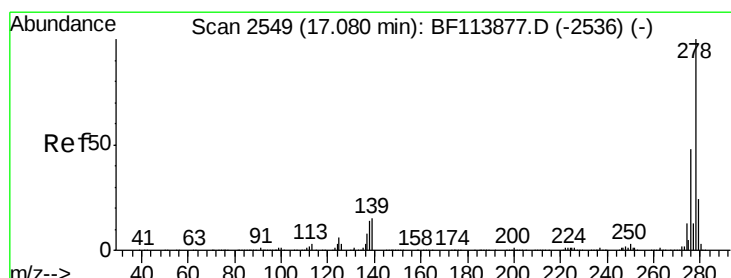
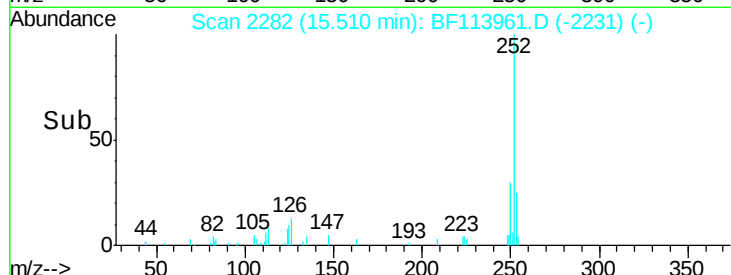
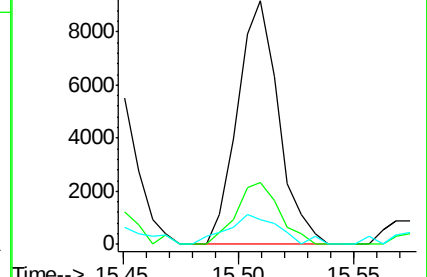
125 10.1 8.5 12.7



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



#91

Dibenzo(a,h)anthracene

Concen: 0.129 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BF113961.D

Acq: 24 Apr 2019 15:10

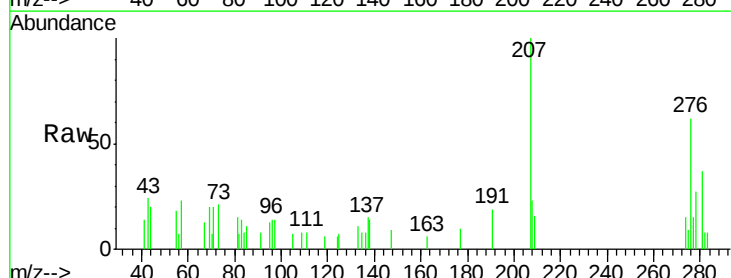
Tgt Ion:278 Resp: 2686

Ion Ratio Lower Upper

278 100

139 0.0 11.6 17.4#

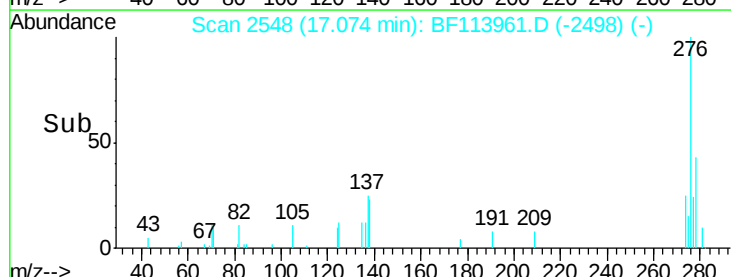
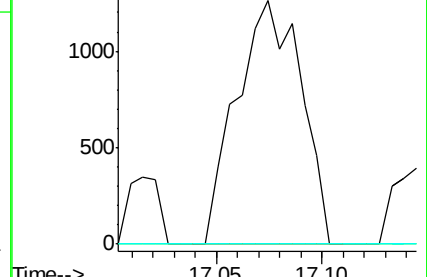
279 0.0 19.0 28.6#

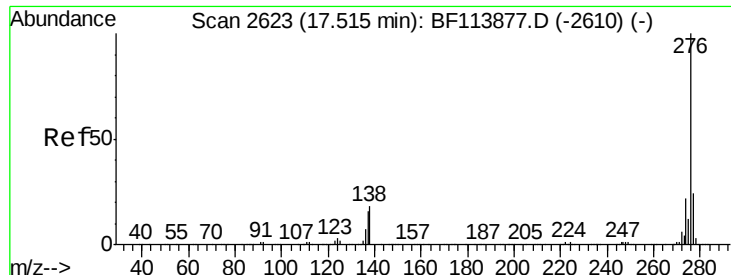


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

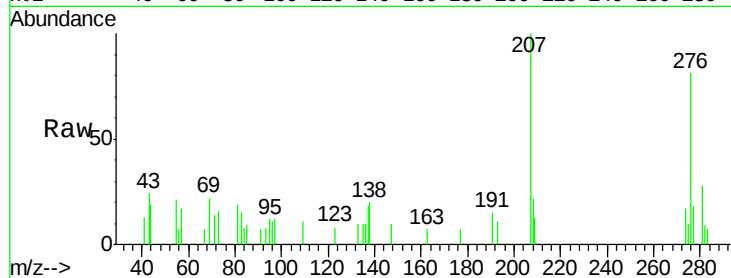




#92
 Benzo(a,h,i)perylene
 Concen: 0.418 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: BF113961.D
 Acq: 24 Apr 2019 15:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 8773
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.0 28.4
 138 24.4 16.6 25.0



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

