

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117223.D
 Acq On : 24 Sep 2019 18:47
 Operator : JU
 Sample : K5008-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:38:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	25349	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	102139	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	63999	20.00	ng	0.02
64) Phenanthrene-d10	11.36	188	88057	20.00	ng	0.03
76) Chrysene-d12	13.97	240	59286	20.00	ng	0.00
87) Perylene-d12	15.43	264	68027	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	158525	97.64	ng	0.00
7) Phenol-d6	6.45	99	220006	104.85	ng	0.00
23) Nitrobenzene-d5	7.38	82	144309	74.24	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	51185	95.69	ng	0.03
45) 2-Fluorobiphenyl	9.19	172	249037	60.84	ng	0.01
79) Terphenyl-d14	12.92	244	228529	72.05	ng	0.00

Target Compounds

					Qvalue	
9) Benzaldehyde	6.35	77	1884	Below Cal	#	17
10) Phenol	6.46	94	11307	4.888 ng	#	71
15) Benzyl Alcohol	6.97	79	5620	3.493 ng	#	48
18) Hexachloroethane	7.35	117	60227	78.050 ng	#	1
19) n-Nitroso-di-n-propylamine	7.25	70	11985	9.380 ng	#	71
22) Acetophenone	7.21	105	6344	2.445 ng	#	1
24) Nitrobenzene	7.39	77	14008	7.297 ng	#	40
25) Isophorone	7.63	82	34719	10.087 ng	#	1
26) 2-Nitrophenol	7.73	139	3324	4.031 ng	#	1
27) 2,4-Dimethylphenol	7.76	122	8284	6.335 ng	#	1
28) bis(2-Chloroethoxy)methane	7.85	93	8909	4.201 ng	#	1
29) 2,4-Dichlorophenol	7.96	162	6074	4.433 ng	#	23
31) Naphthalene	8.13	128	260217	52.973 ng	#	94
32) Benzoic acid	7.90	122	5879	11.730 ng	#	15
35) Caprolactam	8.55	113	72107	155.483 ng	#	44
36) 4-Chloro-3-methylphenol	8.64	107	14146	8.854 ng	#	34
37) 2-Methylnaphthalene	8.84	142	1183350	357.737 ng		99
38) 1-Methylnaphthalene	8.84	142	1183350	381.961 ng		98
44) 2,4,5-Trichlorophenol	9.15	196	3900	3.255 ng	#	1
46) 1,1'-Biphenyl	9.29	154	109824	21.877 ng		98
48) 2-Nitroaniline	9.42	65	4749	3.737 ng	#	1
49) Acenaphthylene	9.75	152	41833	7.048 ng	#	1
50) Dimethylphthalate	9.59	163	41600	9.180 ng	#	72
51) 2,6-Dinitrotoluene	9.65	165	7505	8.132 ng	#	22
52) Acenaphthene	9.91	154	77710	22.087 ng	#	75
53) 3-Nitroaniline	9.83	138	6878	5.907 ng	#	32
54) 2,4-Dinitrophenol	9.92	184	779	10.897 ng	#	1
55) Dibenzofuran	10.09	168	107424	20.694 ng	#	4
56) 4-Nitrophenol	9.99	139	63031	83.520 ng	#	61
57) 2,4-Dinitrotoluene	10.09	165	32773	27.357 ng	#	53
58) Fluorene	10.43	166	187537	44.849 ng	#	93
62) 4-Nitroaniline	10.42	138	5158	4.259 ng	#	60
63) Azobenzene	10.57	77	20382	4.476 ng	#	1
65) 4,6-Dinitro-2-methylphenol	10.50	198	2171	11.535 ng	#	1

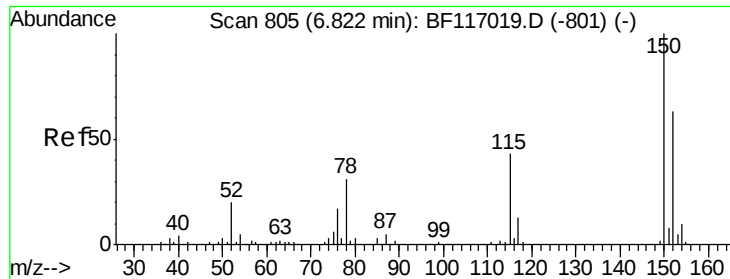
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117223.D
Acq On : 24 Sep 2019 18:47
Operator : JU
Sample : K5008-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 25 02:38:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) n-Nitrosodiphenylamine	10.54	169	233305	76.717	nq	# 53
71) Phenanthrene	11.39	178	578164	115.596	nq	97
72) Anthracene	11.44	178	47661	9.334	nq	# 73
73) Carbazole	11.59	167	9908	2.044	nq	# 1
75) Fluoranthene	12.56	202	14240	2.771	nq	75
78) Pyrene	12.79	202	35567	7.150	nq	# 93

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

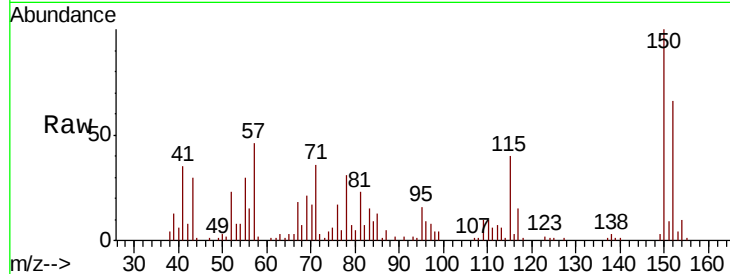


#1

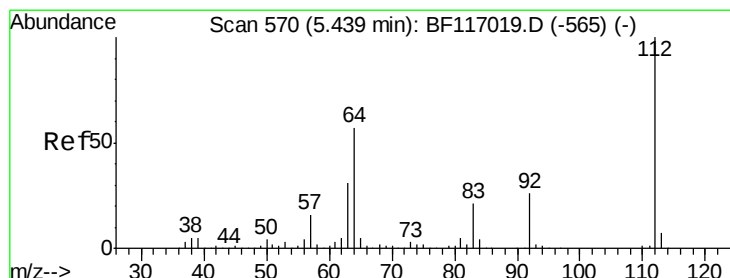
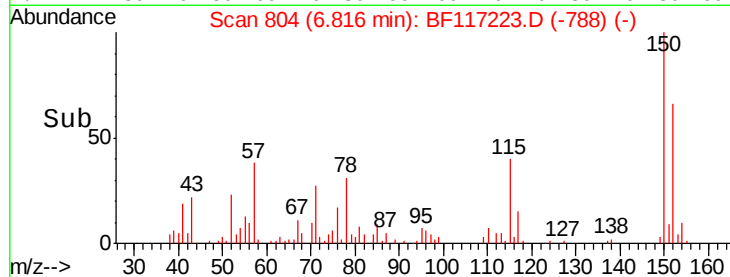
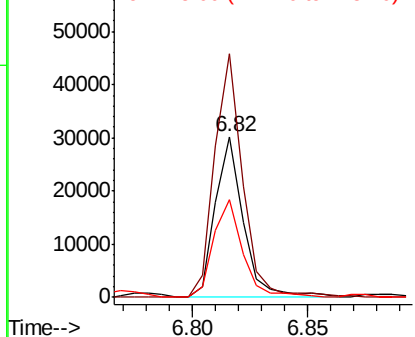
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 25349
Ion Ratio Lower Upper
152 100
150 151.8 127.5 191.3
115 60.9 55.0 82.4



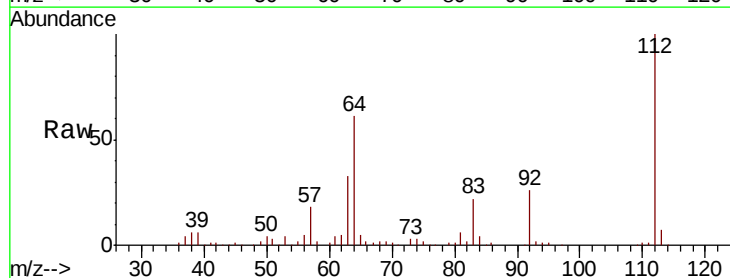
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



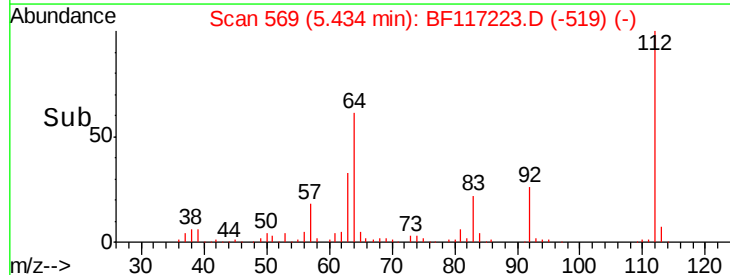
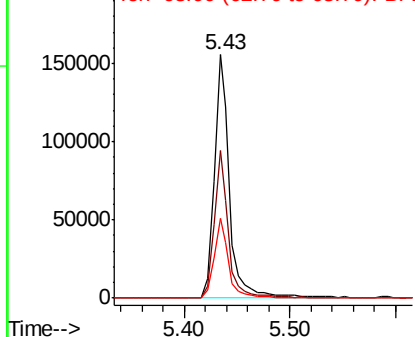
#5

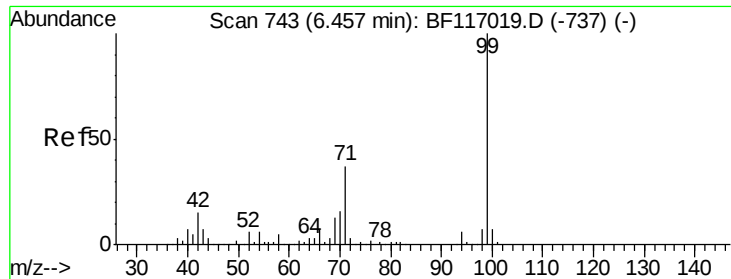
2-Fluorophenol
Concen: 97.636 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:112 Resp: 158525
Ion Ratio Lower Upper
112 100
64 60.6 45.7 68.5
63 33.0 24.9 37.3



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





#7

Phenol-d6

Concen: 104.848 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampled :

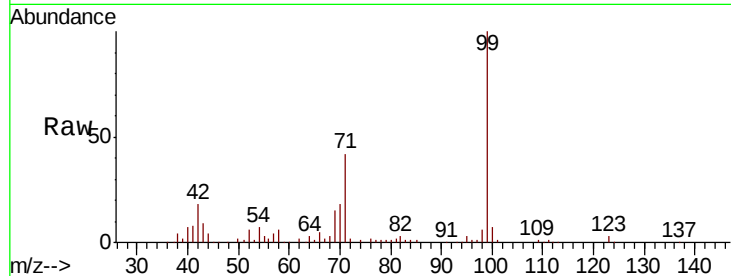
Tot Ion: 99 Resp: 220006

Ion Ratio Lower Upper

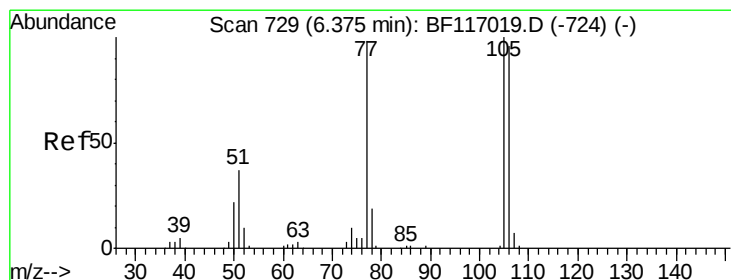
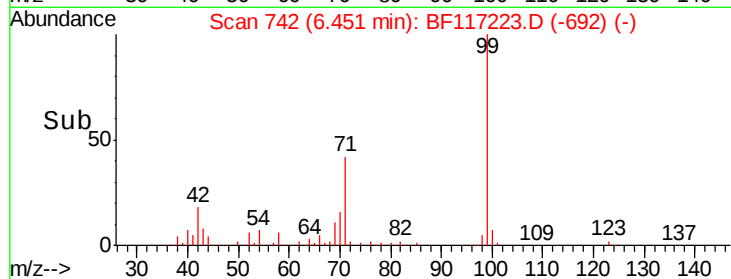
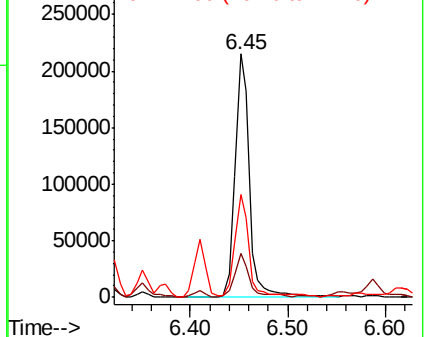
99 100

42 18.1 12.2 18.2

71 42.4 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

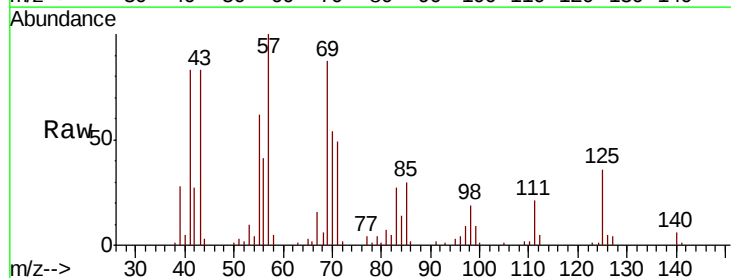
Tgt Ion: 77 Resp: 1884

Ion Ratio Lower Upper

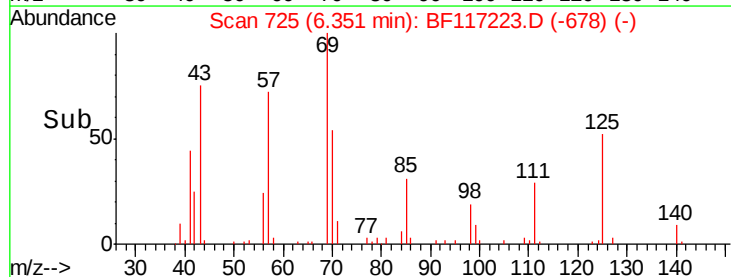
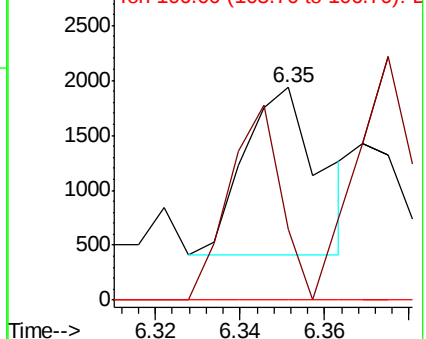
77 100

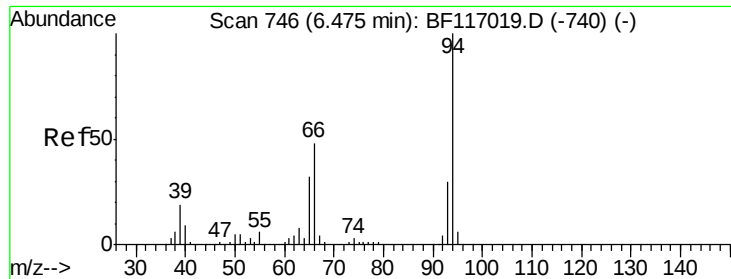
105 33.6 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.888 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

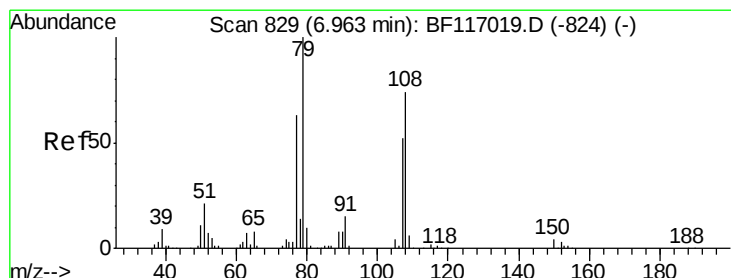
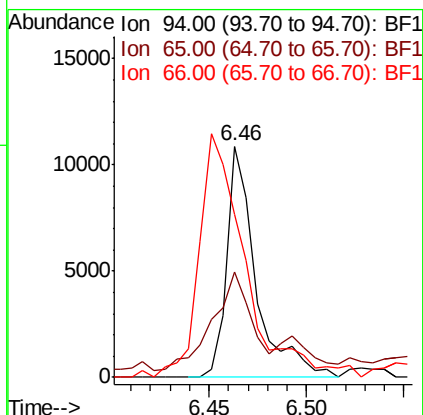
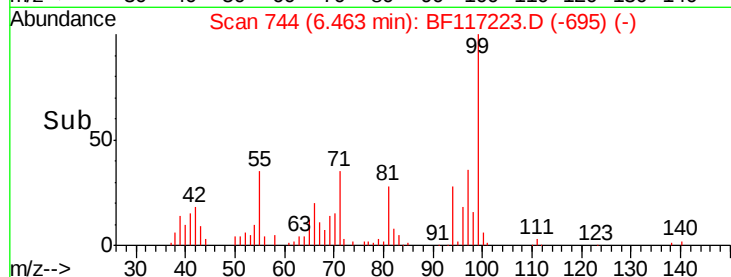
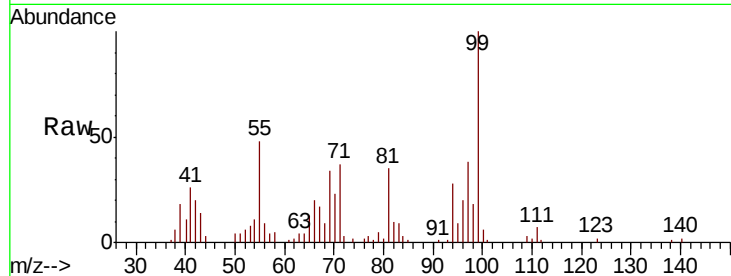
Tot Ion: 94 Resp: 11307

Ion Ratio Lower Upper

94 100

65 45.9 12.5 52.5

66 70.7 28.9 68.9#



#15

Benzyl Alcohol

Concen: 3.493 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

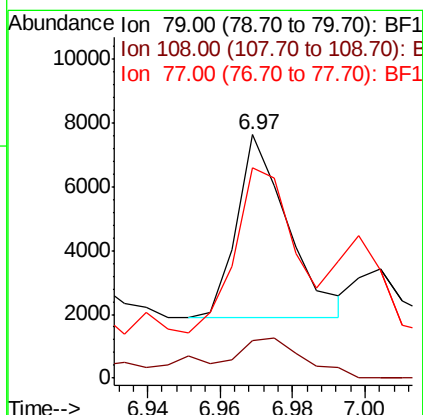
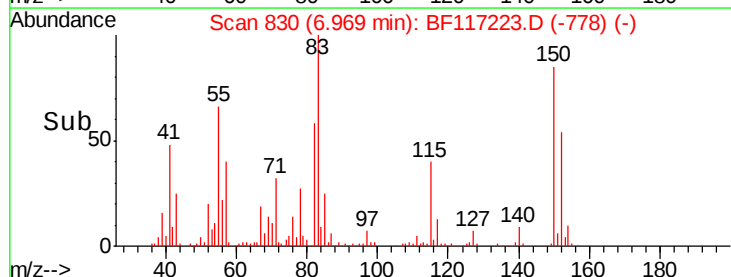
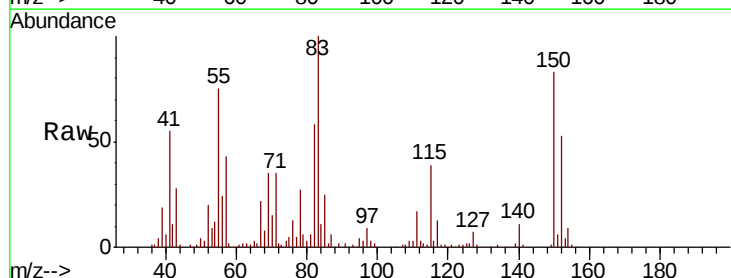
Tgt Ion: 79 Resp: 5620

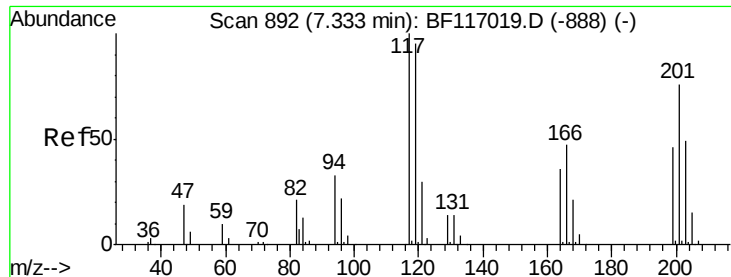
Ion Ratio Lower Upper

79 100

108 15.3 59.4 89.0#

77 86.2 50.2 75.2#

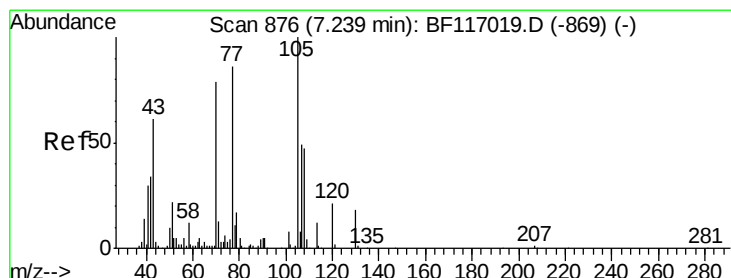
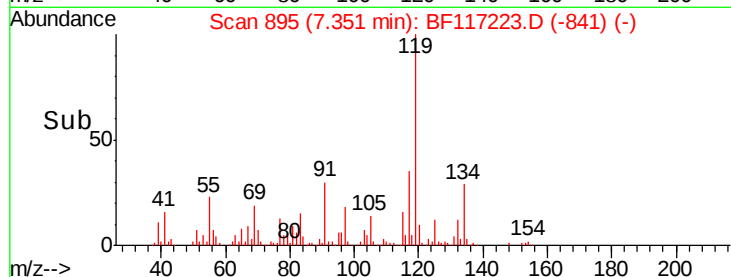
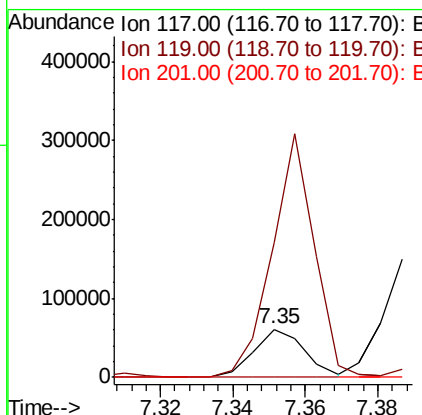
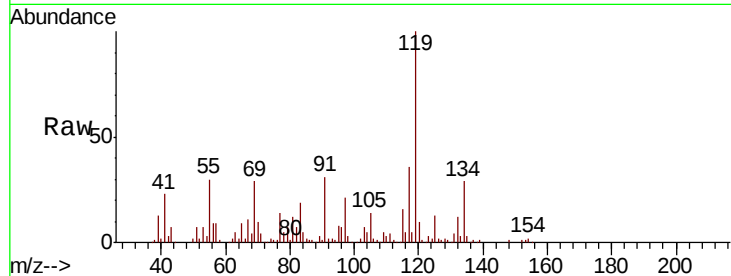




#18
Hexachloroethane
Concen: 78.050 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

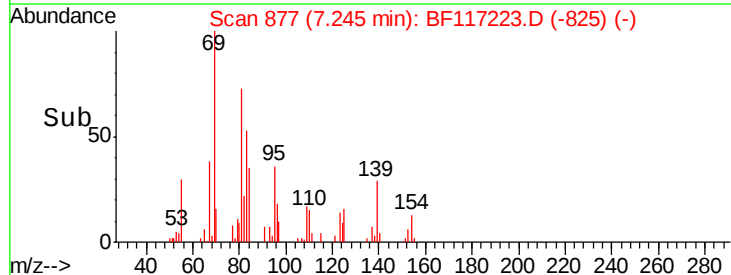
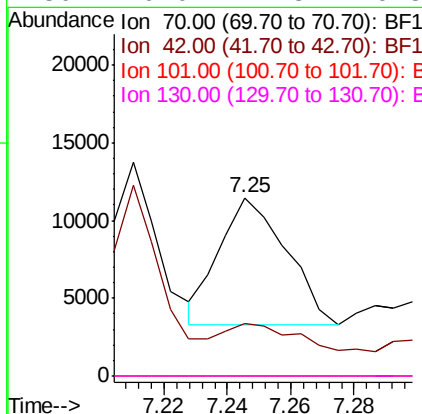
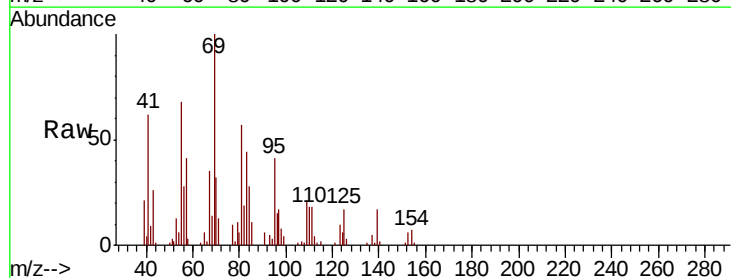
Instrument :
BNA_F
ClientSampleId :

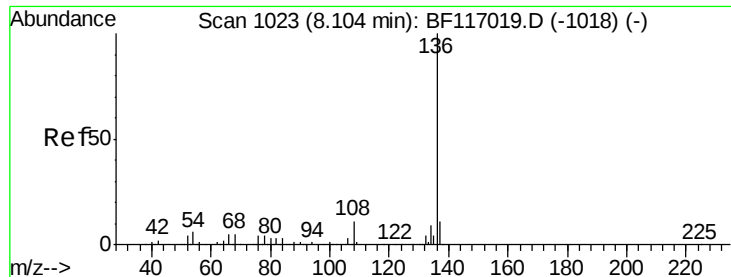
Tot Ion:117 Resp: 60227
Ion Ratio Lower Upper
117 100
119 280.2 75.8 113.8#
201 0.0 60.9 91.3#



#19
n-Nitroso-di-n-propylamine
Concen: 9.380 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion: 70 Resp: 11985
Ion Ratio Lower Upper
70 100
42 29.3 34.0 51.0#
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#

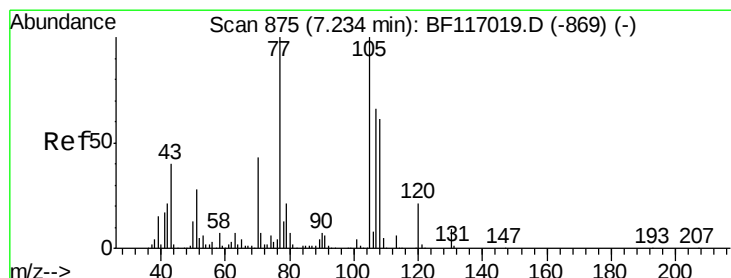
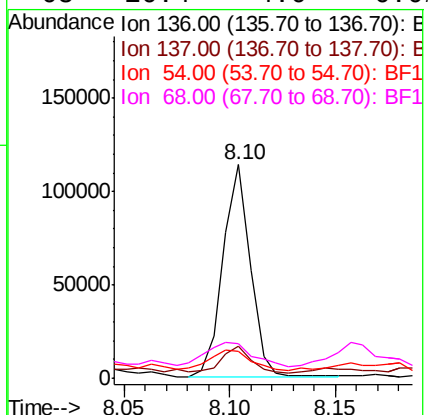
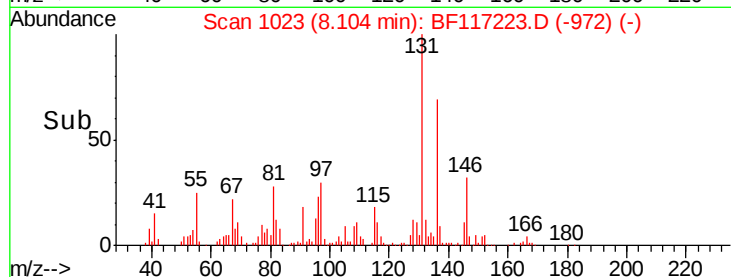
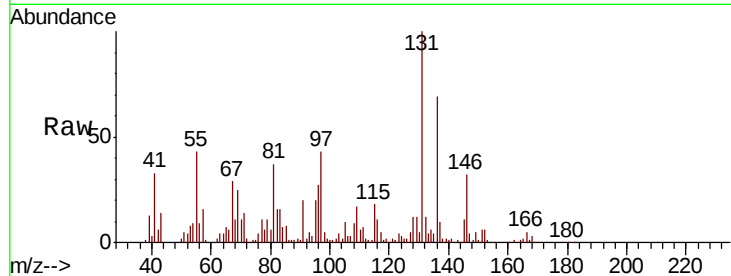




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

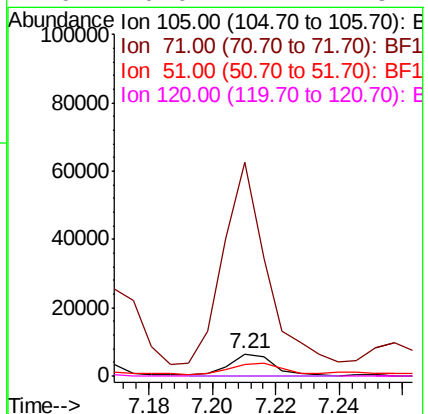
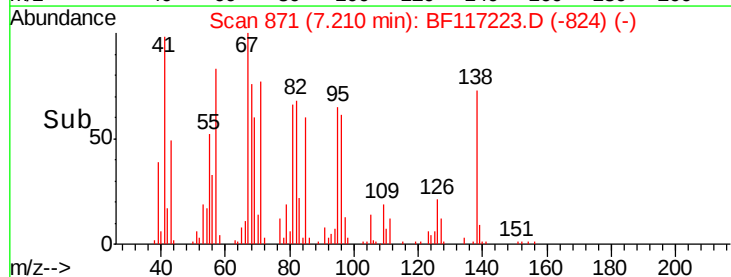
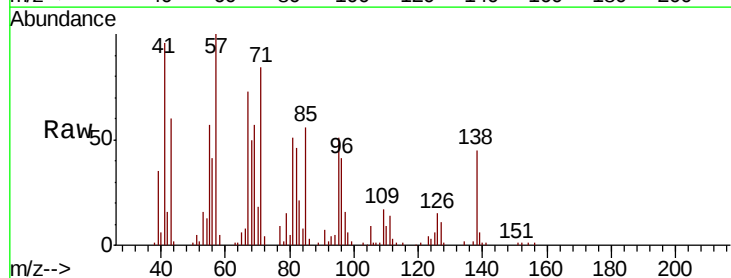
Instrument :
BNA_F
ClientSampleId :

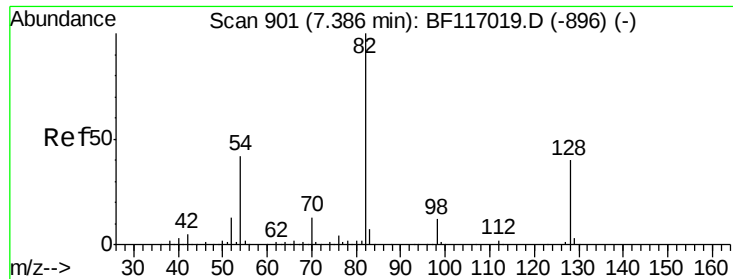
Tot Ion:136	Resp:	102139
Ion	Ratio	Lower Upper
136	100	
137	14.9	9.0 13.4#
54	12.6	4.5 6.7#
68	16.4	4.0 6.0#



#22
Acetophenone
Concen: 2.445 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:105	Resp:	6344
Ion	Ratio	Lower Upper
105	100	
71	980.4	5.7 8.5#
51	54.6	22.1 33.1#
120	0.0	17.1 25.7#

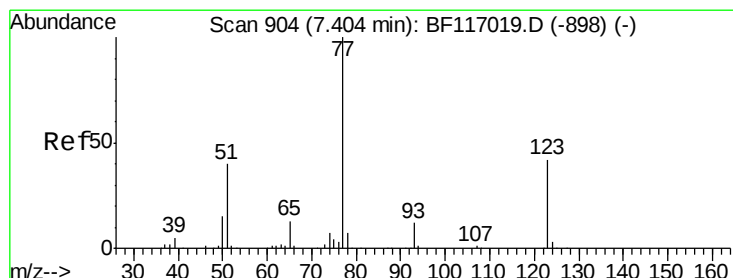
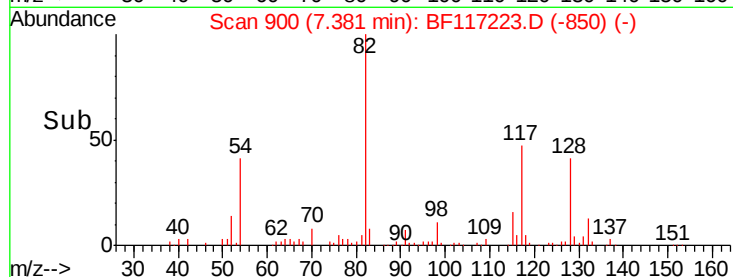
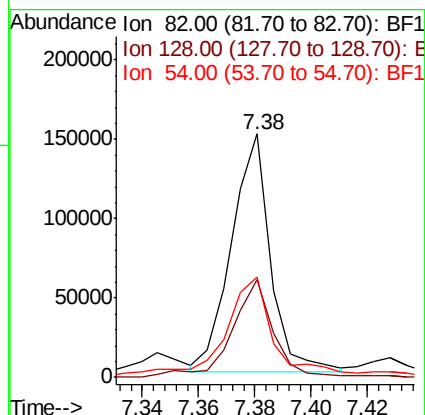
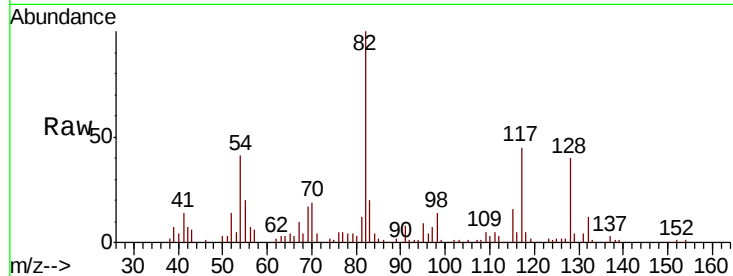




#23
Nitrobenzene-d5
Concen: 74.236 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

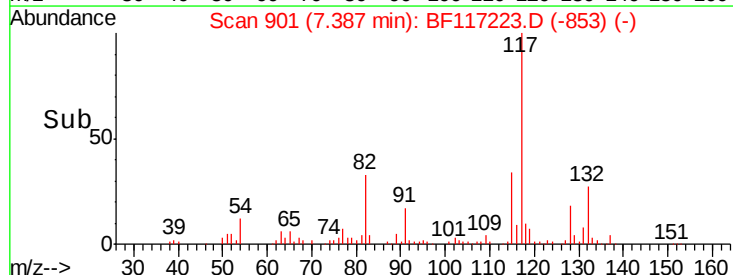
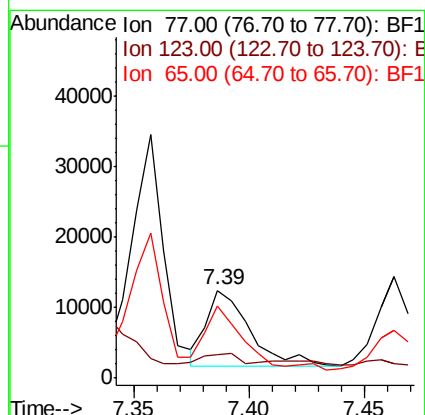
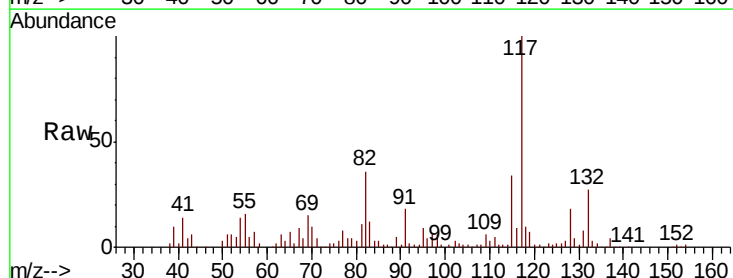
Instrument :
BNA_F
ClientSampled :

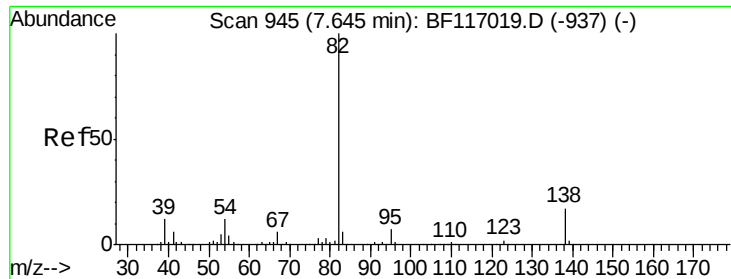
Tot Ion	82	Resp	144309
Ion Ratio	Lower	Upper	
82	100		
128	39.9	32.3	48.5
54	41.0	33.3	49.9



#24
Nitrobenzene
Concen: 7.297 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion	77	Resp	14008
Ion Ratio	Lower	Upper	
77	100		
123	26.6	33.5	50.3#
65	81.8	10.5	15.7#





#25

Isophorone

Concen: 10.087 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

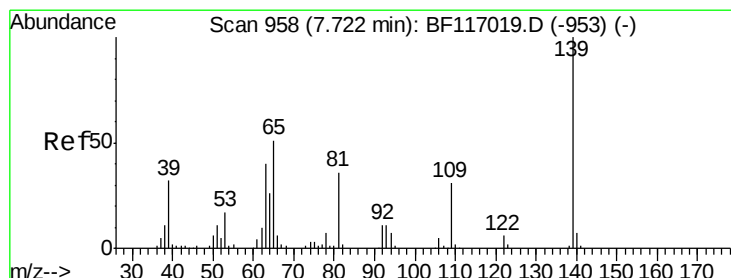
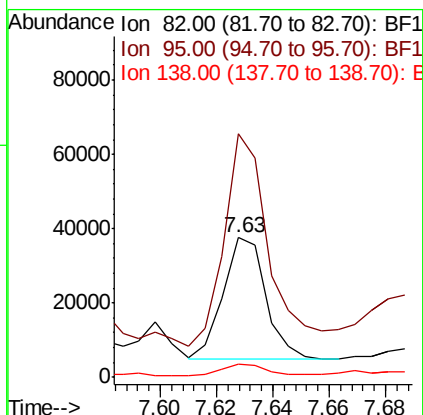
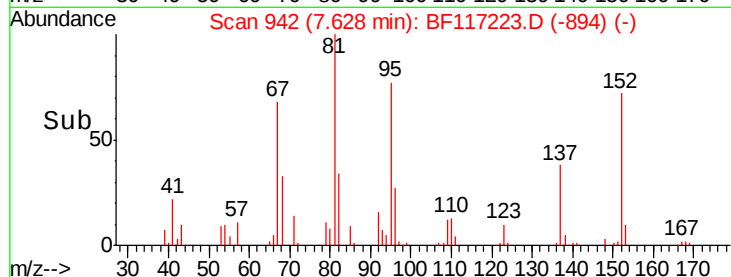
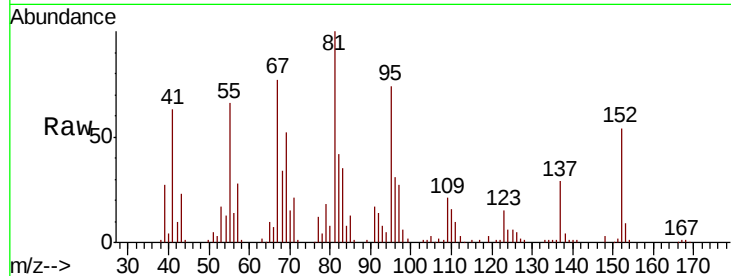
Tot Ion: 82 Resp: 34719

Ion Ratio Lower Upper

82 100

95 174.4 5.8 8.6#

138 9.3 13.5 20.3#



#26

2-Nitrophenol

Concen: 4.031 ng

RT: 7.73 min Scan# 959

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

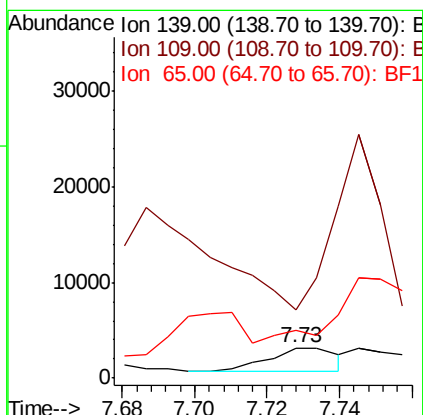
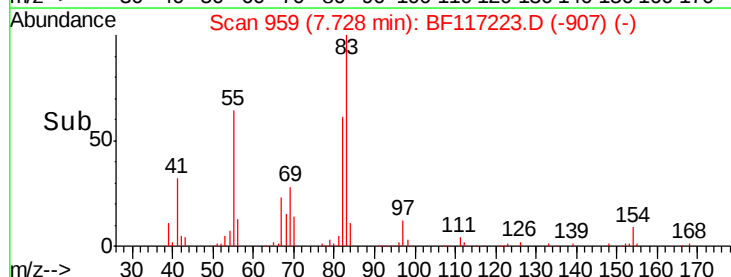
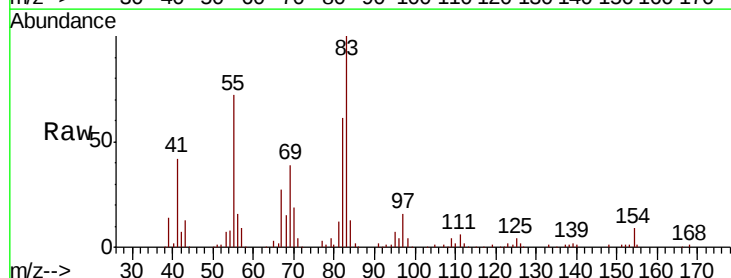
Tgt Ion: 139 Resp: 3324

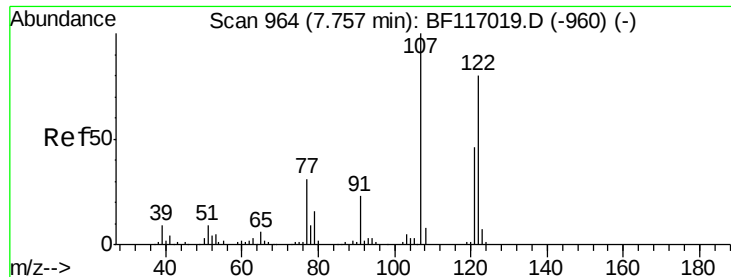
Ion Ratio Lower Upper

139 100

109 225.8 24.6 36.8#

65 159.5 40.9 61.3#

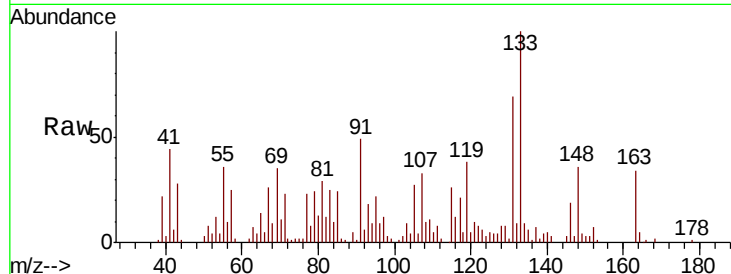




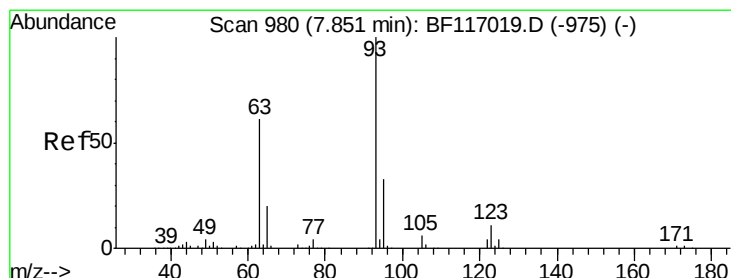
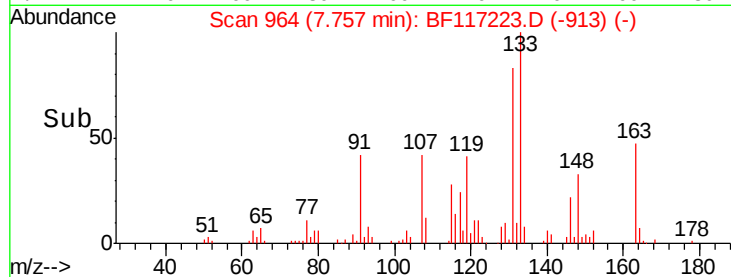
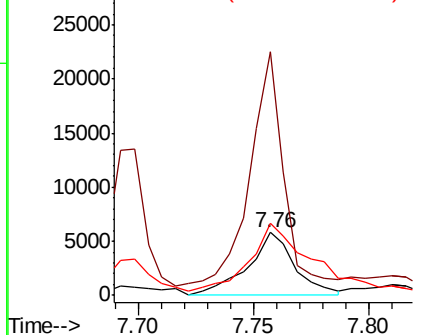
#27
 2,4-Dimethylphenol
 Concen: 6.335 ng
 RT: 7.76 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:122 Resp: 8284
 Ion Ratio Lower Upper
 122 100
 107 389.3 98.9 148.3#
 121 115.5 45.3 67.9#

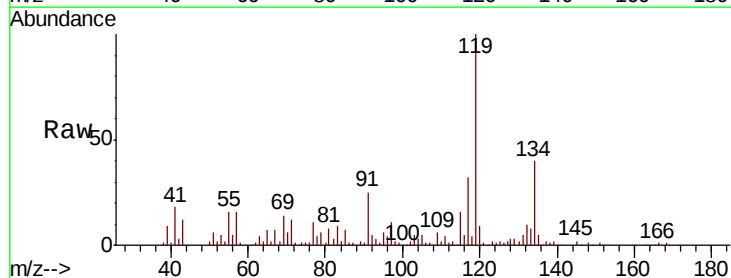


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

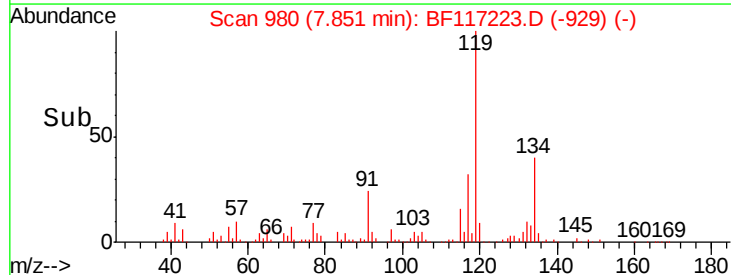
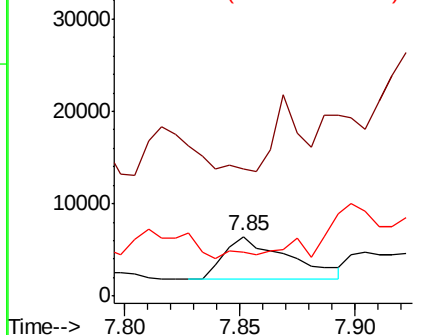


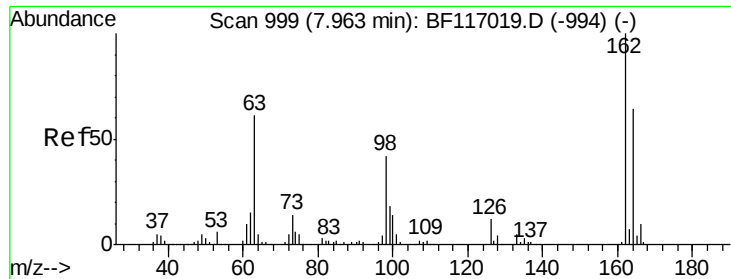
#28
 bis(2-Chloroethoxy)methane
 Concen: 4.201 ng
 RT: 7.85 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Tgt Ion: 93 Resp: 8909
 Ion Ratio Lower Upper
 93 100
 95 213.4 26.2 39.4#
 123 74.8 9.0 13.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E

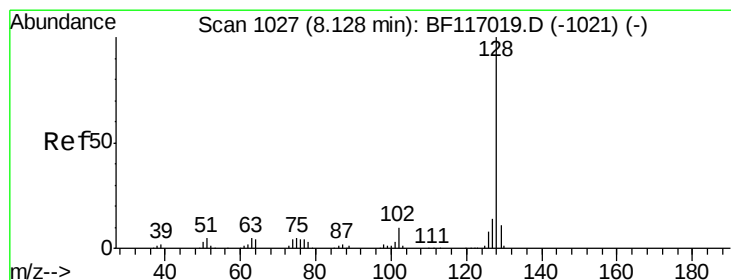
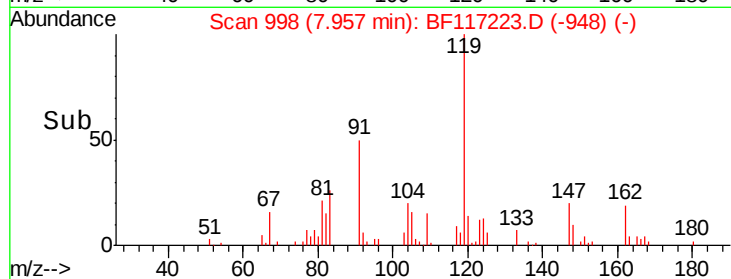
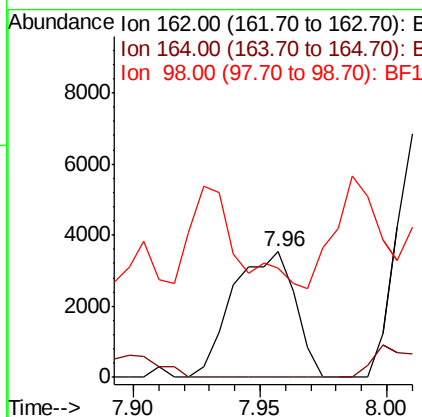
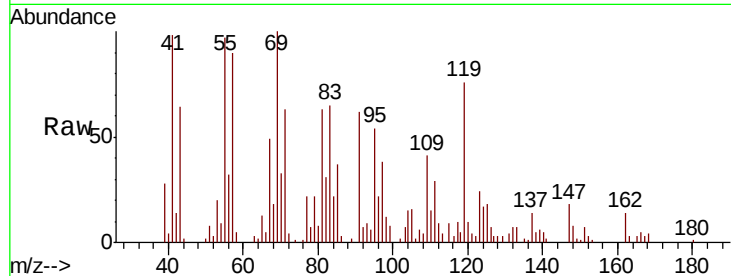




#29
2,4-Dichlorophenol
Concen: 4.433 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

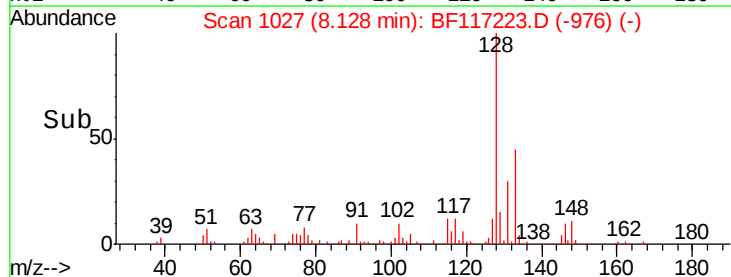
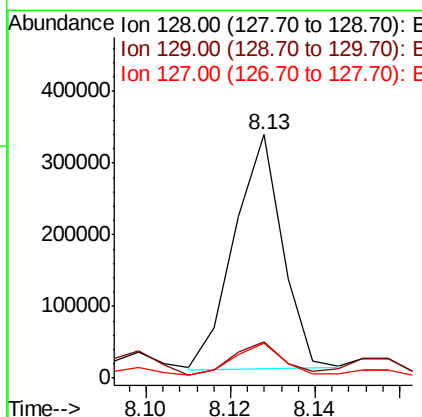
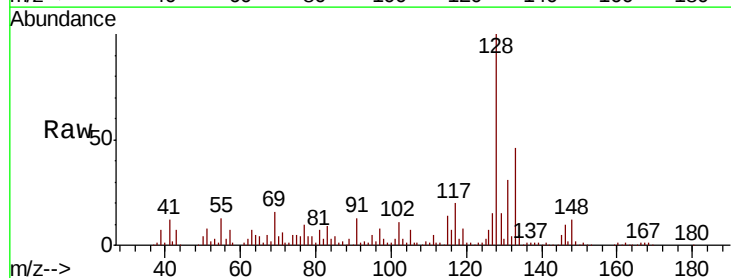
Instrument :
BNA_F
ClientSampleId :

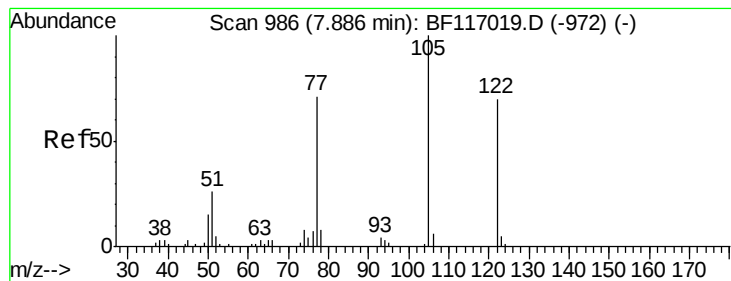
Tot Ion:162 Resp: 6074
Ion Ratio Lower Upper
162 100
164 0.0 43.8 83.8#
98 86.8 22.1 62.1#



#31
Naphthalene
Concen: 52.973 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:128 Resp: 260217
Ion Ratio Lower Upper
128 100
129 15.0 9.0 13.4#
127 14.6 10.8 16.2





#32

Benzoic acid

Concen: 11.730 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

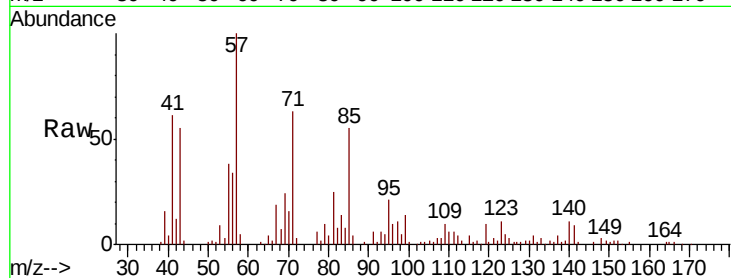
Tot Ion:122 Resp: 5879

Ion Ratio Lower Upper

122 100

105 97.9 114.8 154.8#

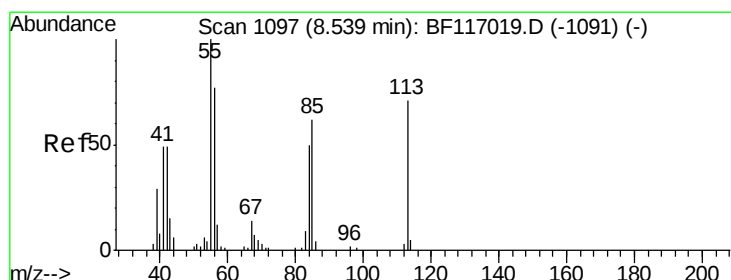
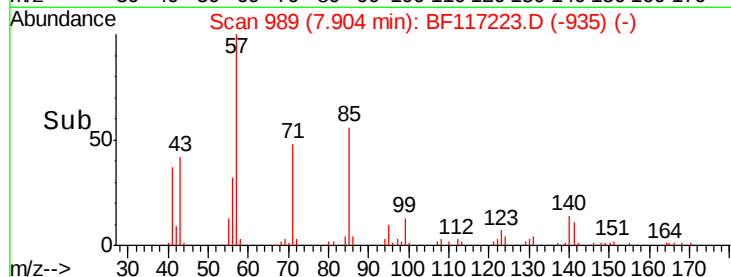
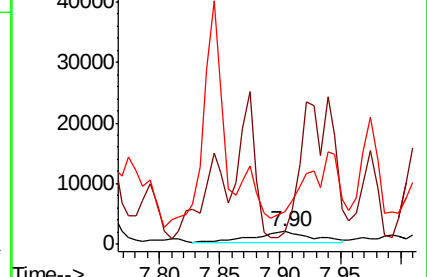
77 255.2 78.7 118.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 155.483 ng

RT: 8.55 min Scan# 1098

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

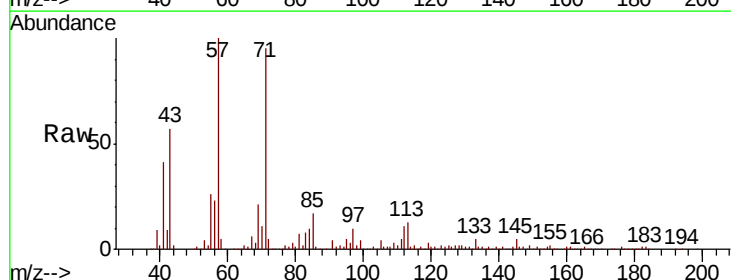
Tgt Ion:113 Resp: 72107

Ion Ratio Lower Upper

113 100

55 202.2 120.6 160.6#

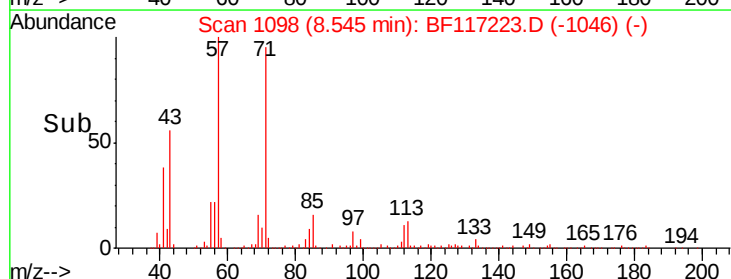
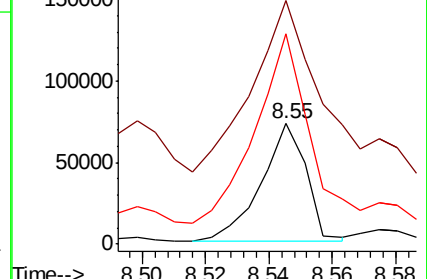
56 174.9 88.8 128.8#

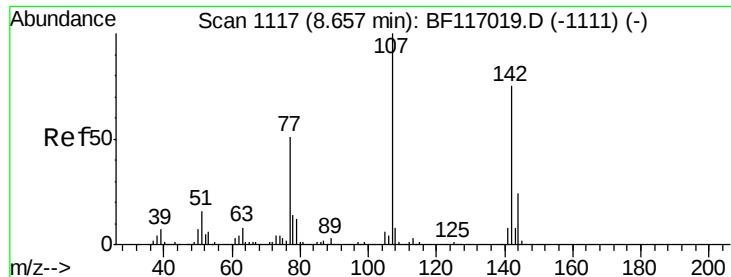


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

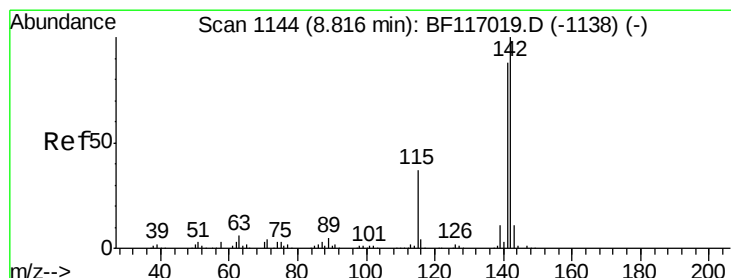
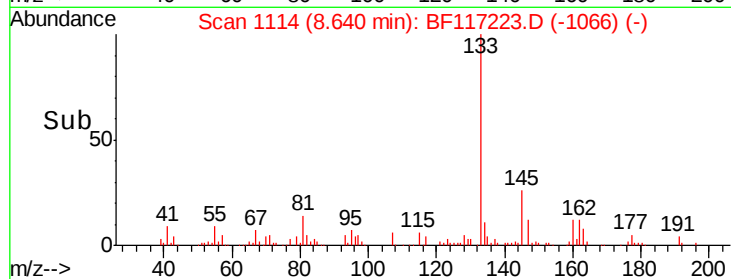
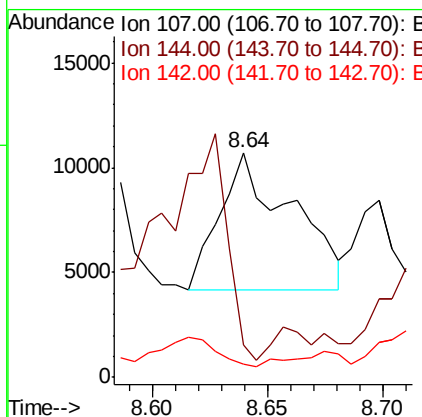
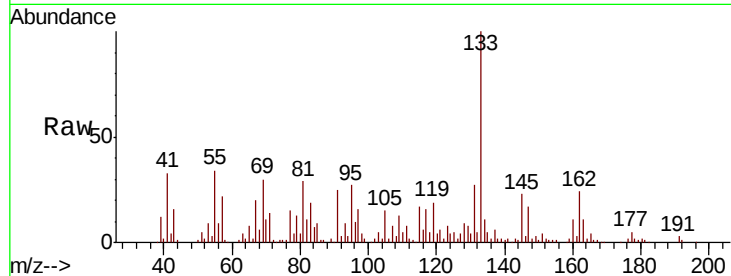




#36
 4-Chloro-3-methylphenol
 Concen: 8.854 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. -0.02 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

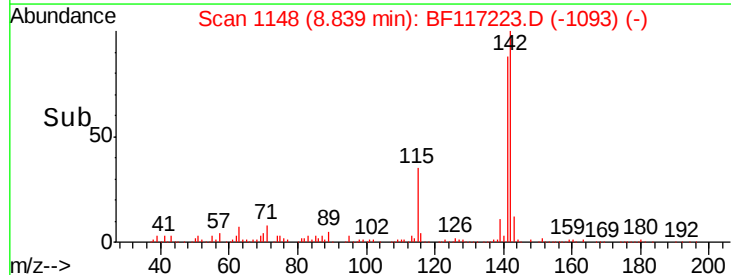
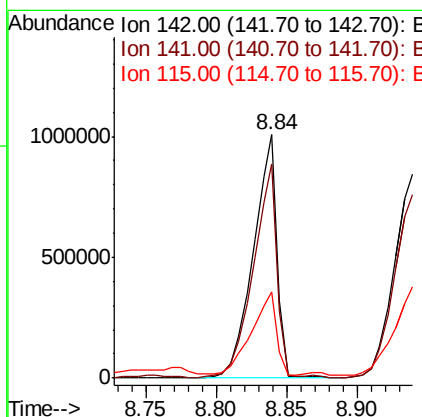
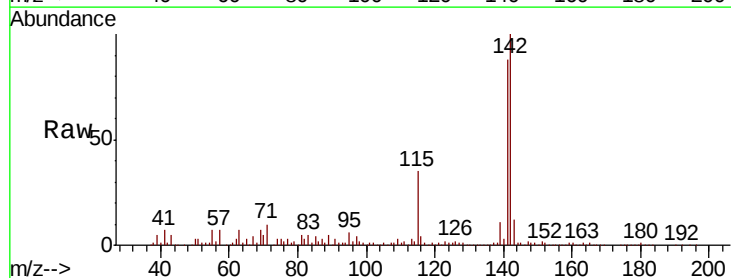
Instrument :
 BNA_F
 ClientSampled :

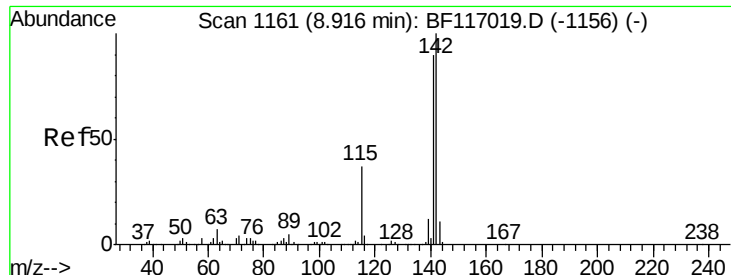
Tot Ion:107 Resp: 14146
 Ion Ratio Lower Upper
 107 100
 144 14.1 19.2 28.8#
 142 5.7 59.6 89.4#



#37
 2-Methylnaphthalene
 Concen: 357.737 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. 0.02 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Tgt Ion:142 Resp: 1183350
 Ion Ratio Lower Upper
 142 100
 141 88.1 70.7 106.1
 115 35.3 29.4 44.0

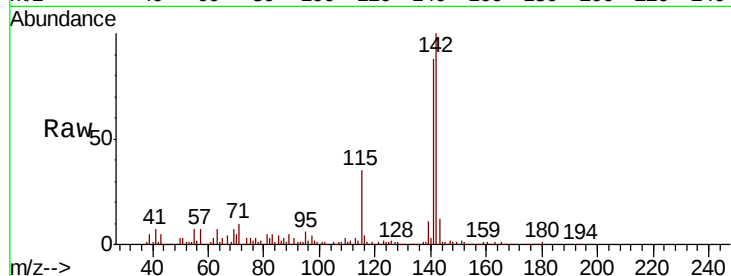




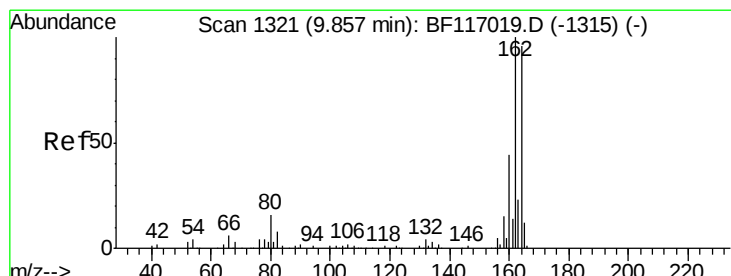
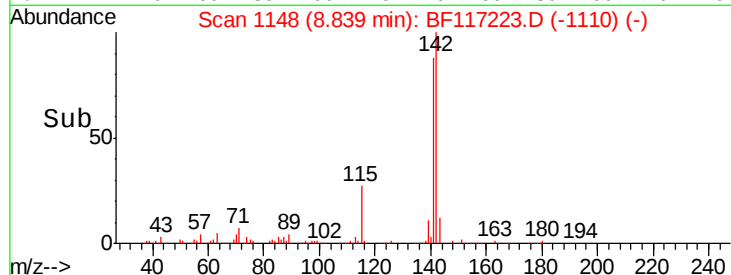
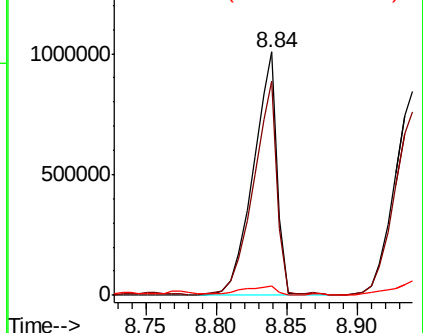
#38
1-Methylnaphthalene
Concen: 381.961 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.08 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 1183350
Ion Ratio Lower Upper
142 100
141 88.1 71.9 107.9
116 3.8 3.2 4.8

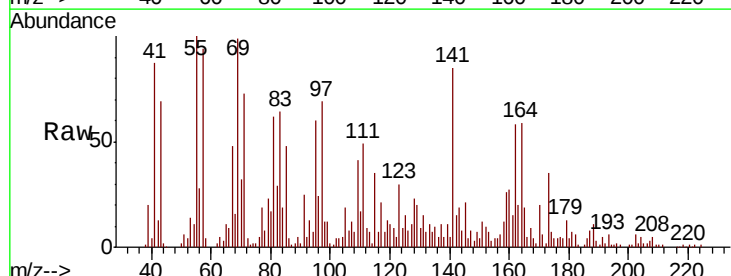


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

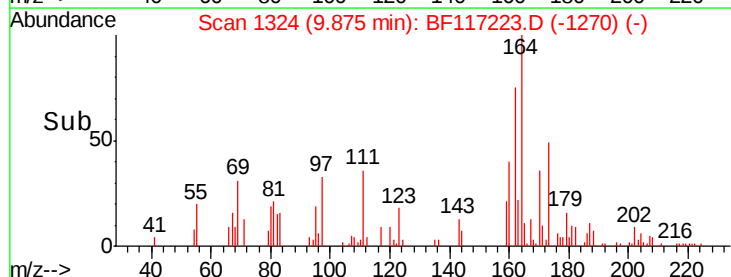
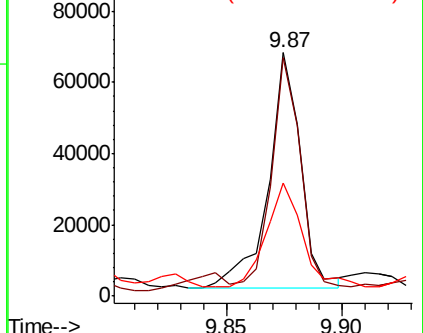


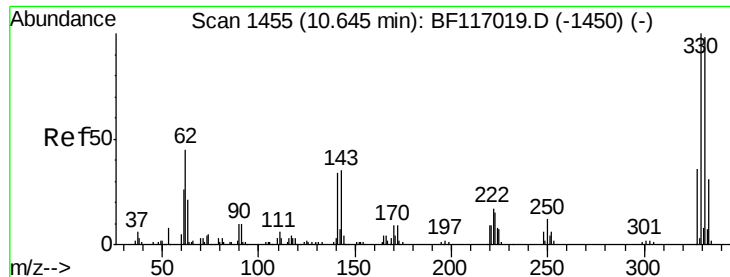
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:164 Resp: 63999
Ion Ratio Lower Upper
164 100
162 97.8 83.4 125.2
160 46.5 36.4 54.6



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

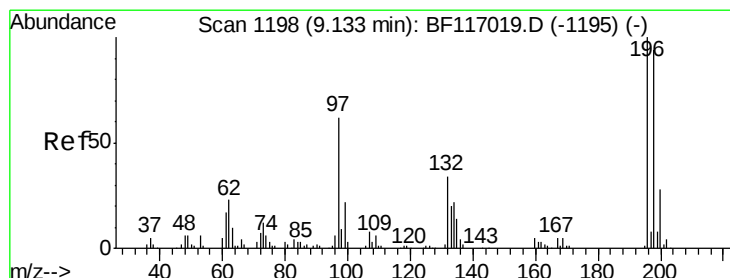
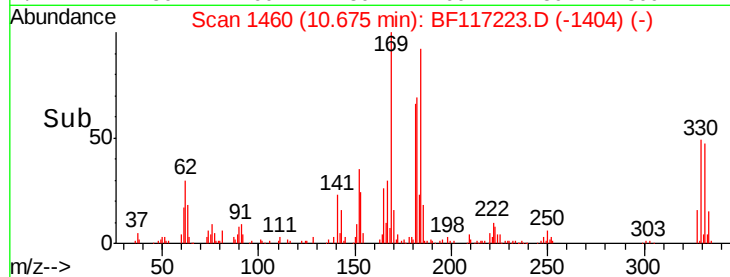
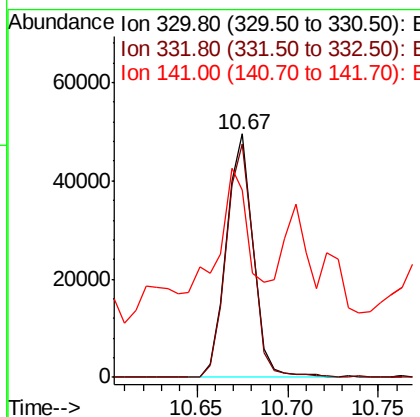
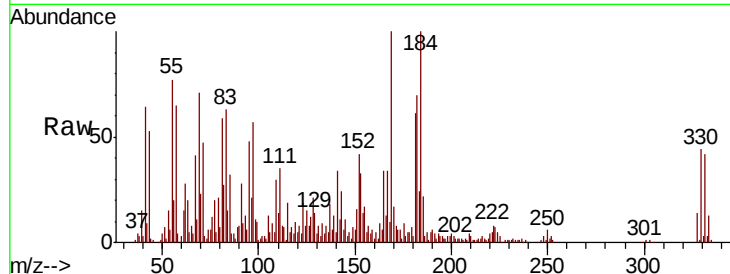




#42
 2,4,6-Tribromophenol
 Concen: 95.693 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.03 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

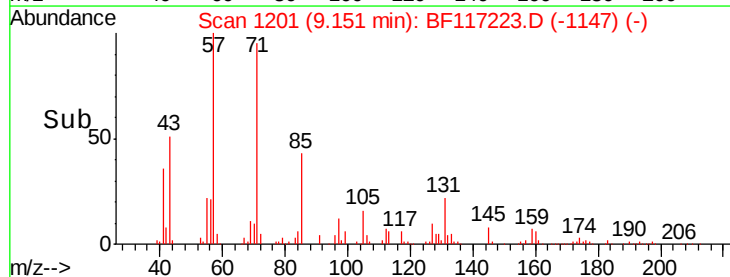
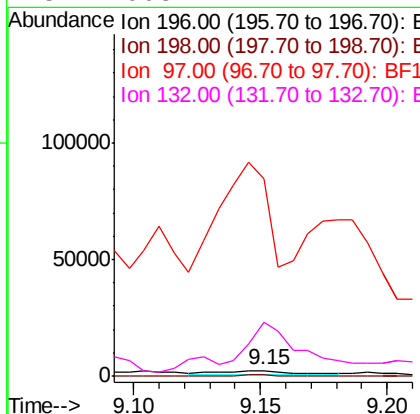
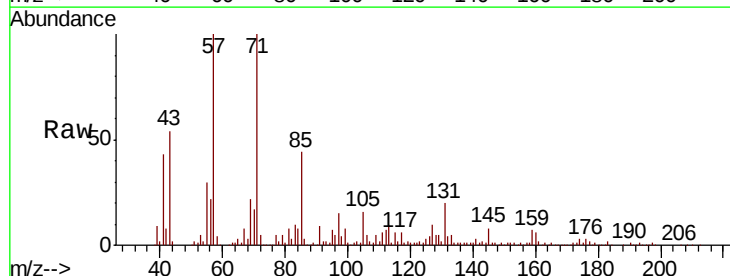
Instrument :
 BNA_F
 ClientSampleId :

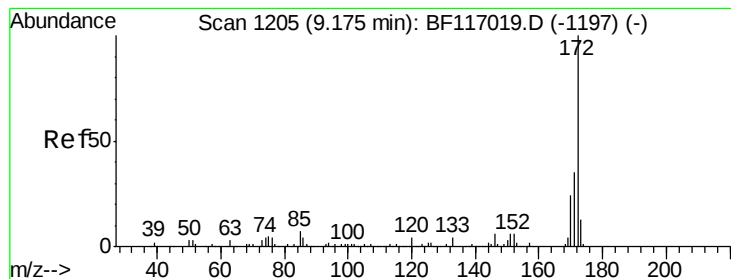
Tot Ion:330 Resp: 51185
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.0 117.0
 141 53.5 35.8 53.6



#44
 2,4,5-Trichlorophenol
 Concen: 3.255 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.02 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Tgt Ion:196 Resp: 3900
 Ion Ratio Lower Upper
 196 100
 198 17.1 74.6 112.0#
 97 3742.4 49.5 74.3#
 132 1008.1 27.4 41.2#





#45

2-Fluorobiphenyl

Concen: 60.843 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampled :

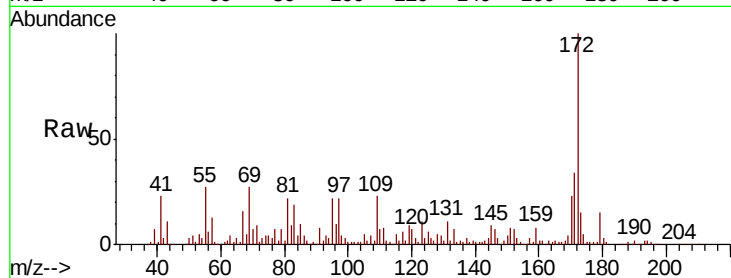
Tot Ion:172 Resp: 249037

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

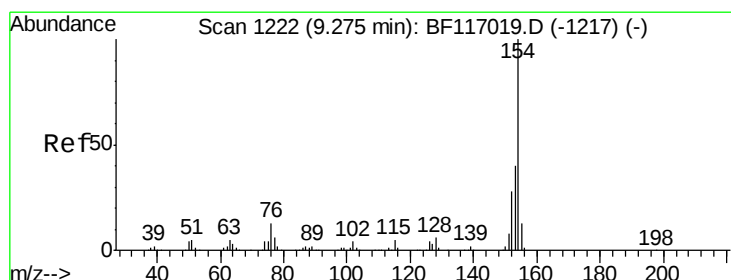
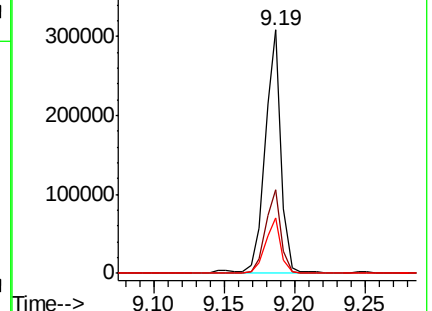
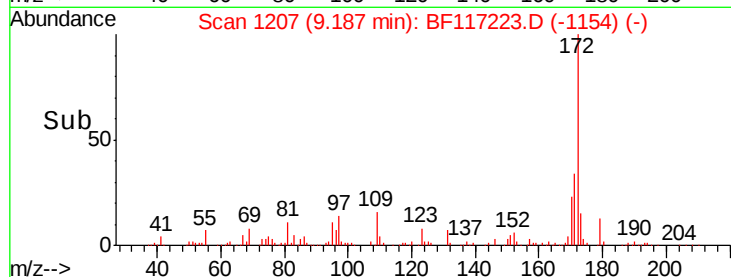
170 22.7 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 21.877 ng

RT: 9.29 min Scan# 1224

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

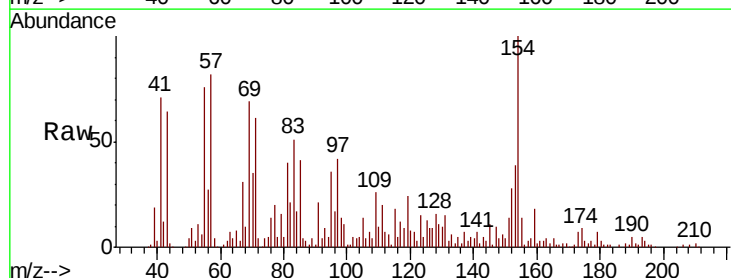
Tgt Ion:154 Resp: 109824

Ion Ratio Lower Upper

154 100

153 39.0 20.0 60.0

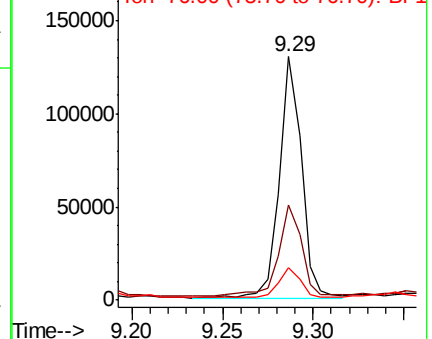
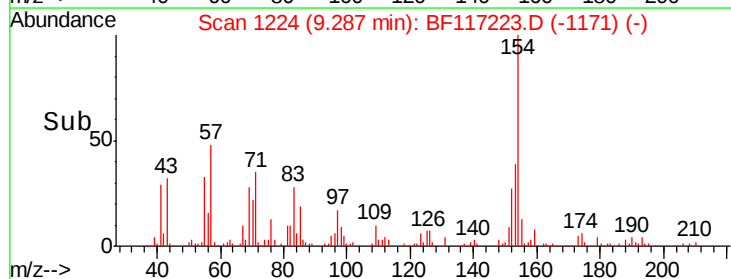
76 13.6 0.0 32.7

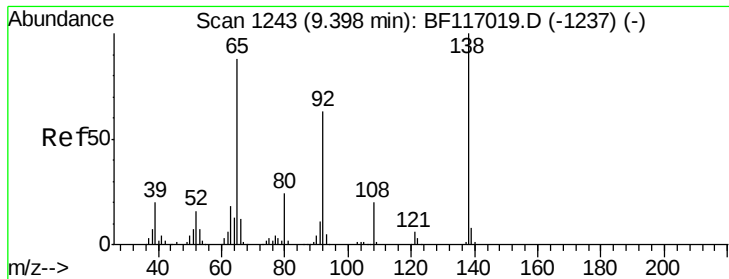


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

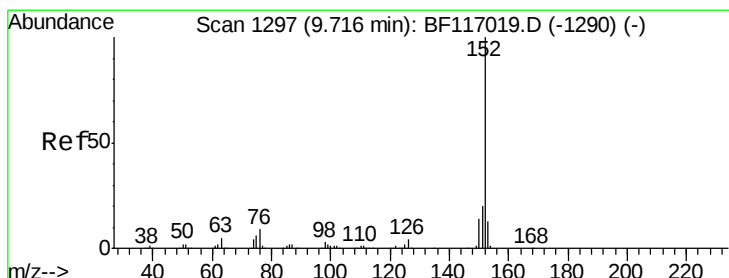
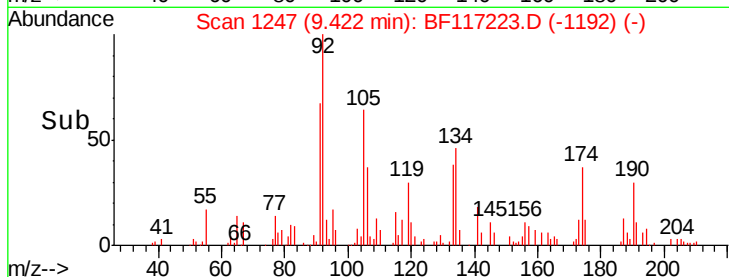
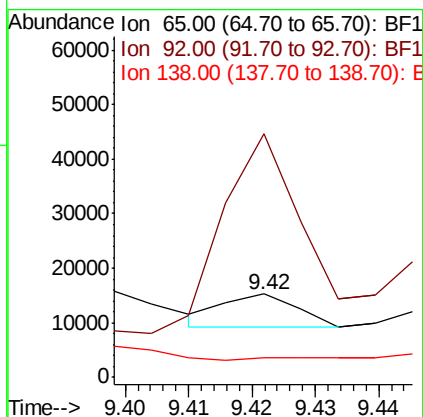
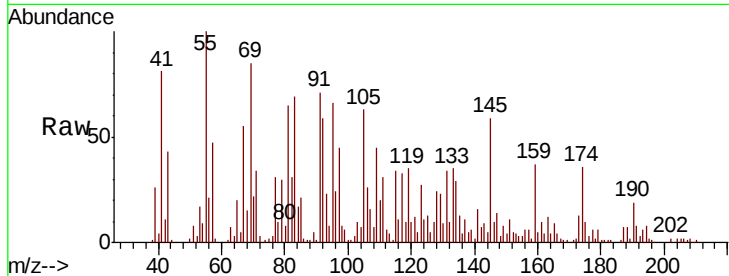




#48
2-Nitroaniline
Concen: 3.737 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

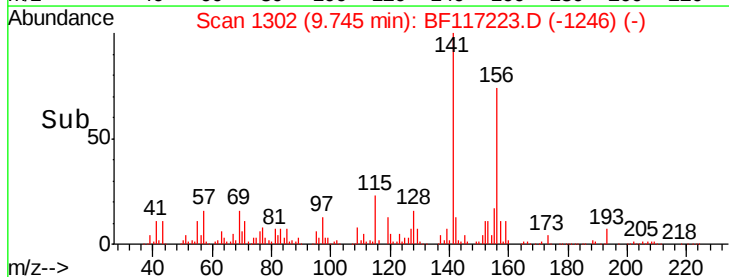
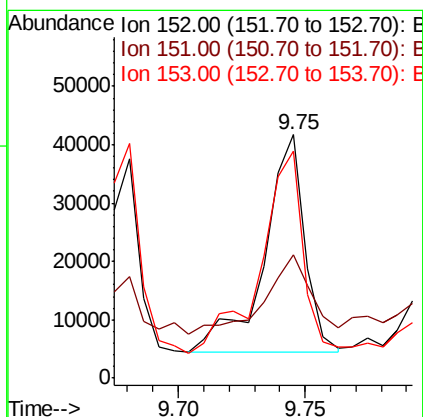
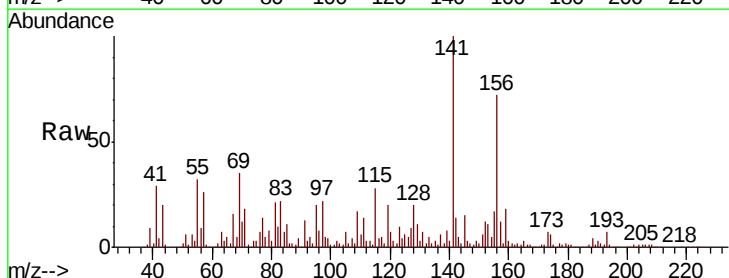
Instrument :
BNA_F
ClientSampled :

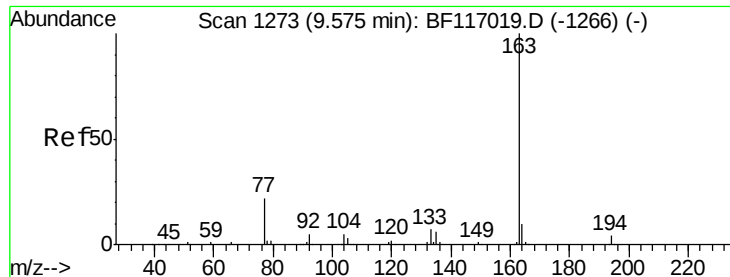
Tot Ion: 65 Resp: 4749
Ion Ratio Lower Upper
65 100
92 292.9 57.5 86.3#
138 22.9 90.6 136.0#



#49
Acenaphthylene
Concen: 7.048 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.03 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion: 152 Resp: 41833
Ion Ratio Lower Upper
152 100
151 50.6 16.2 24.2#
153 93.1 10.2 15.4#

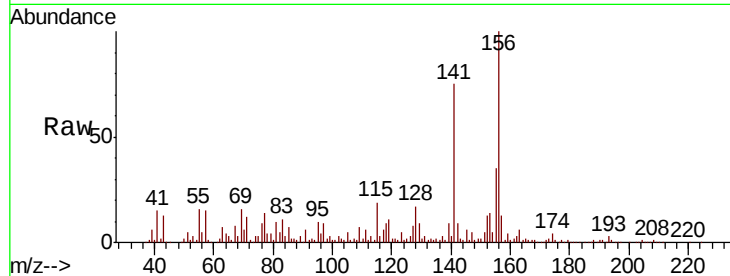




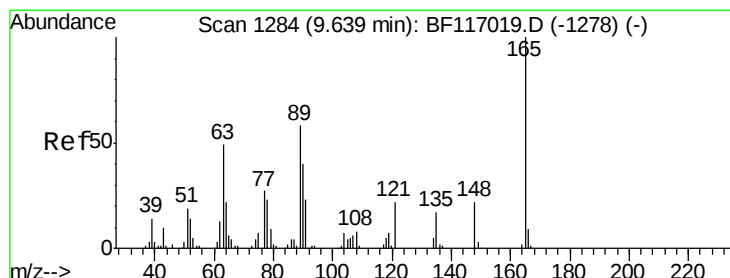
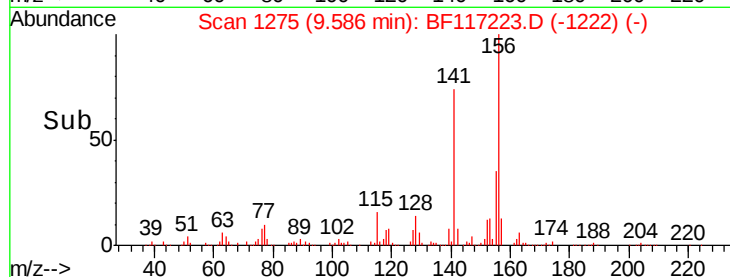
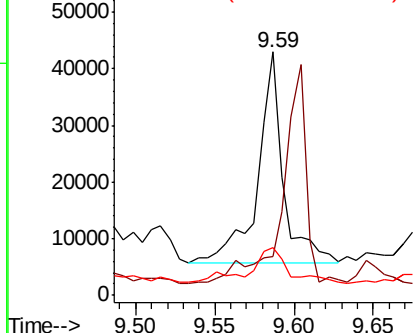
#50
Dimethylphthalate
Concen: 9.180 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 41600
Ion Ratio Lower Upper
163 100
194 16.2 2.9 4.3#
164 19.4 8.2 12.4#

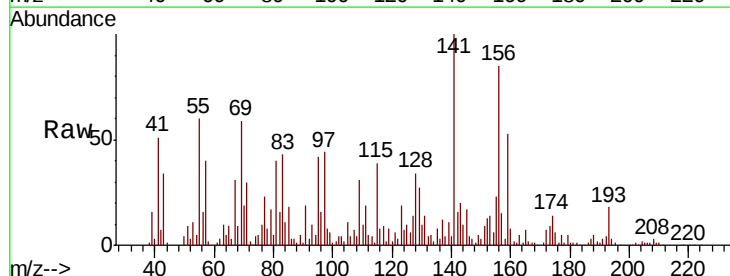


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

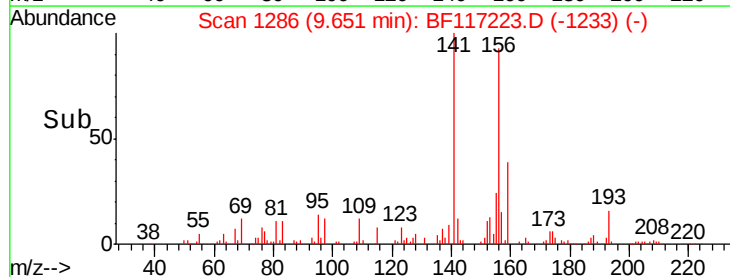
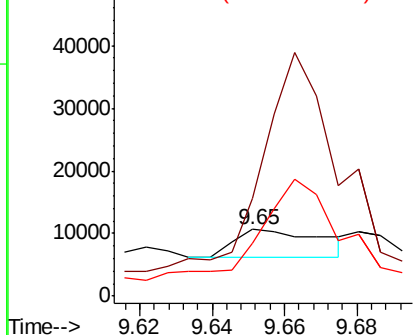


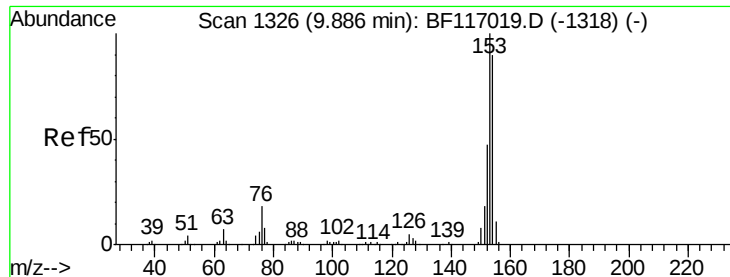
#51
2,6-Dinitrotoluene
Concen: 8.132 ng
RT: 9.65 min Scan# 1286
Delta R.T. 0.01 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:165 Resp: 7505
Ion Ratio Lower Upper
165 100
63 146.0 41.8 62.8#
89 78.7 46.5 69.7#



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: 22.087 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

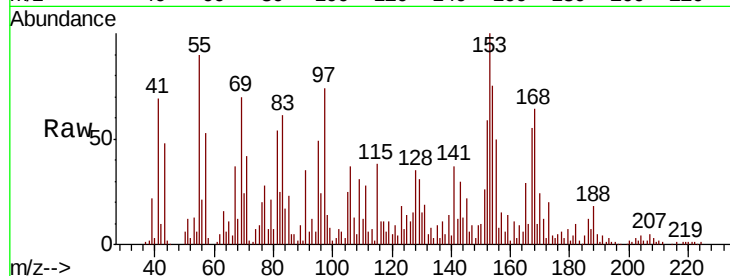
Tot Ion:154 Resp: 77710

Ion Ratio Lower Upper

154 100

153 132.5 89.0 133.6

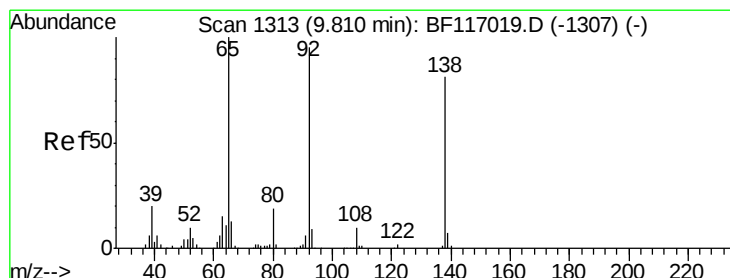
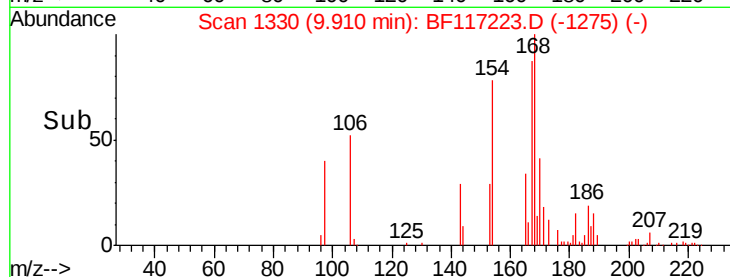
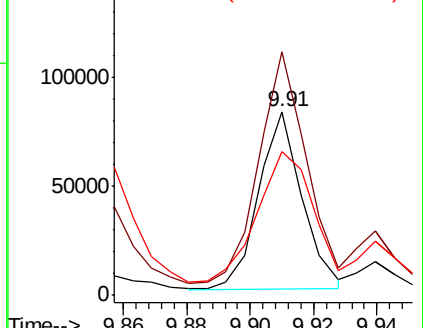
152 78.6 41.9 62.9#



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



#53

3-Nitroaniline

Concen: 5.907 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

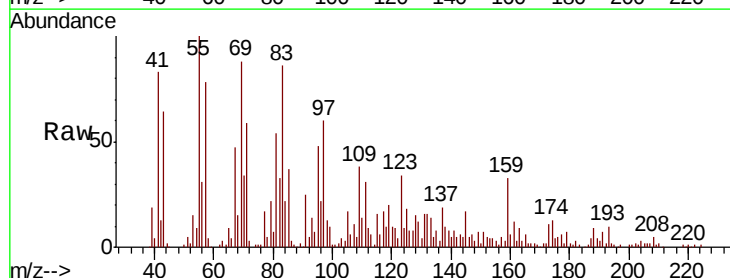
Tgt Ion:138 Resp: 6878

Ion Ratio Lower Upper

138 100

108 53.4 9.5 14.3#

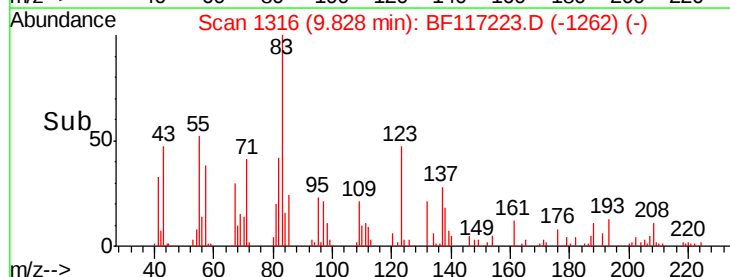
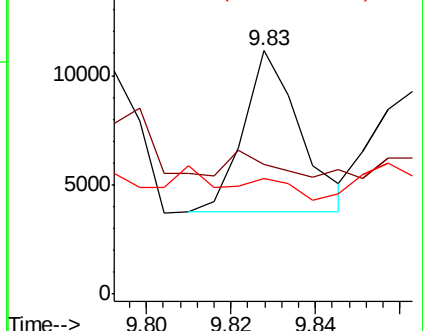
92 47.4 94.1 141.1#

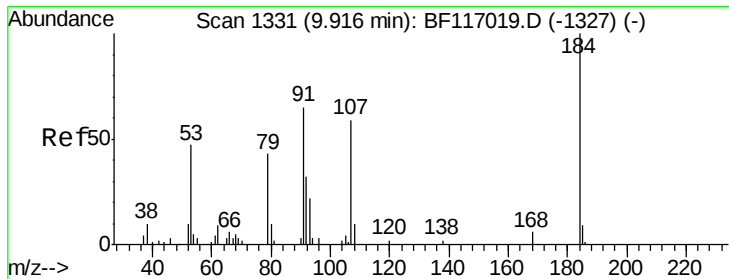


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 10.897 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

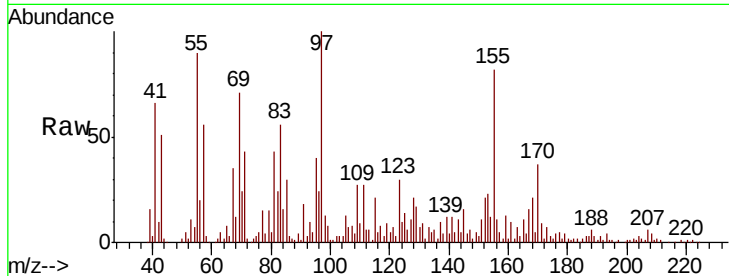
Tot Ion:184 Resp: 779

Ion Ratio Lower Upper

184 100

63 1061.9 63.8 95.6#

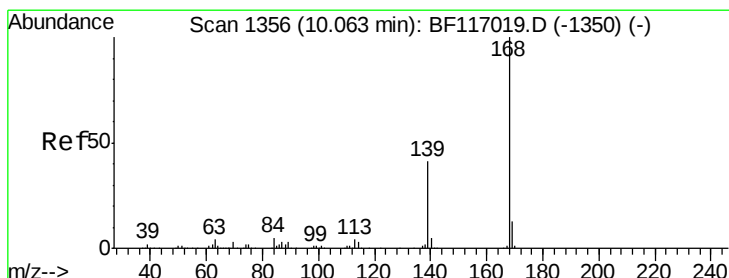
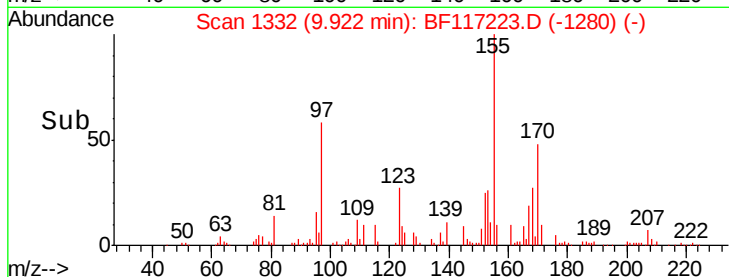
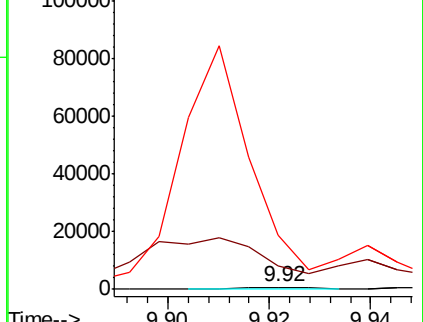
154 2414.5 60.4 90.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#55

Dibenzofuran

Concen: 20.694 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

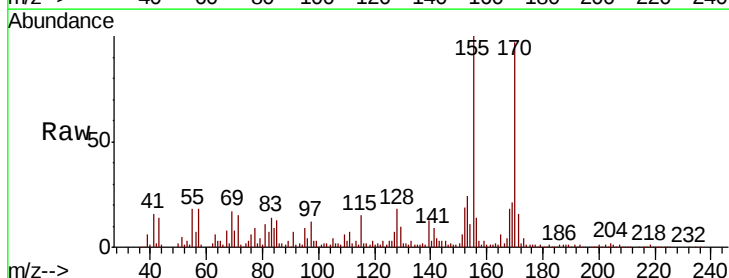
Tgt Ion:168 Resp: 107424

Ion Ratio Lower Upper

168 100

139 70.4 32.8 49.2#

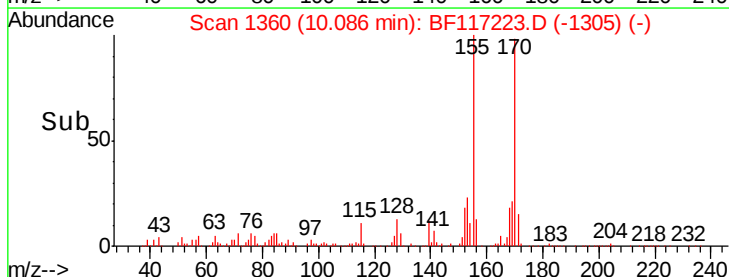
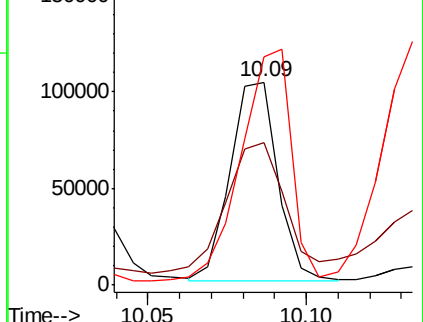
169 112.6 10.5 15.7#

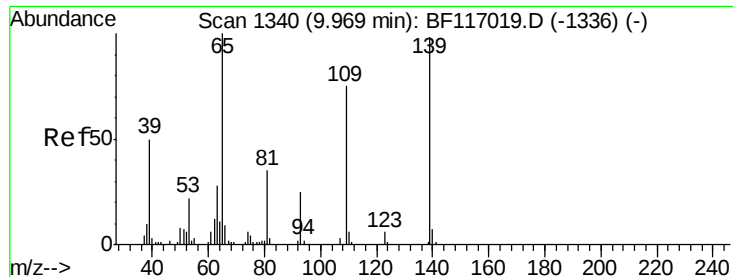


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

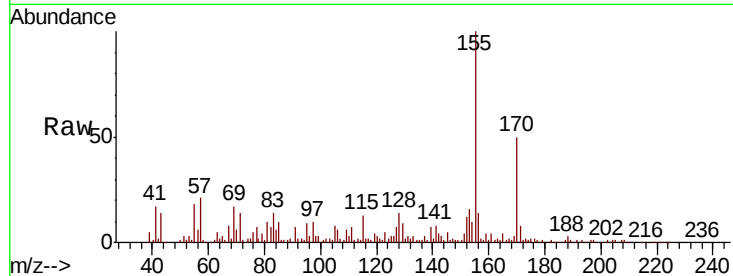




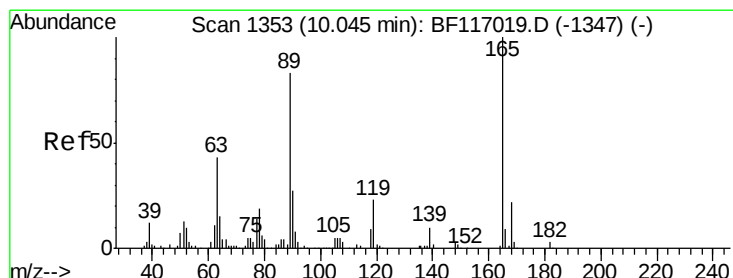
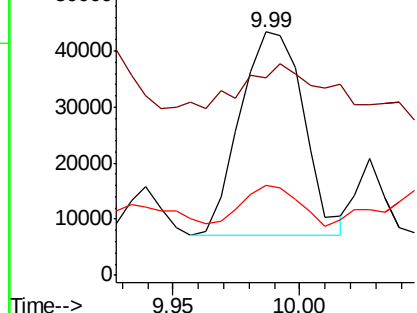
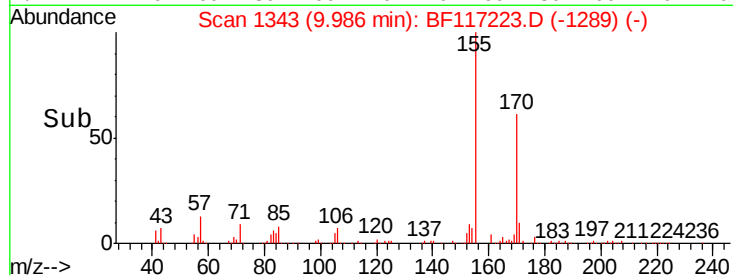
#56
4-Nitrophenol
Concen: 83.520 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 63031
Ion Ratio Lower Upper
139 100
109 81.1 56.4 96.4
65 36.9 82.5 122.5#

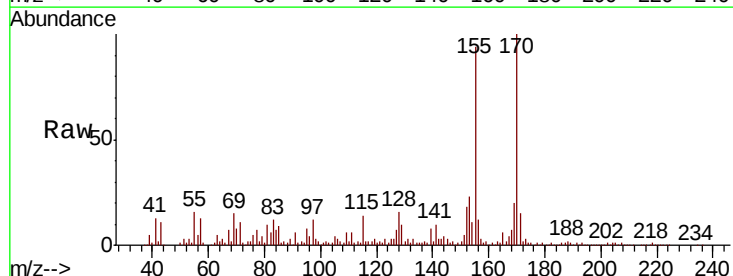


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

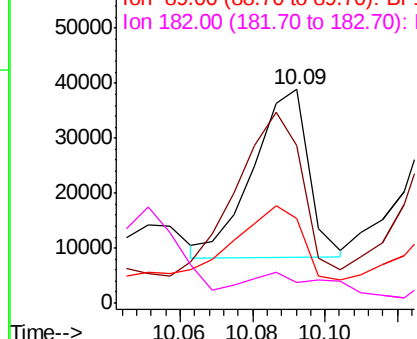
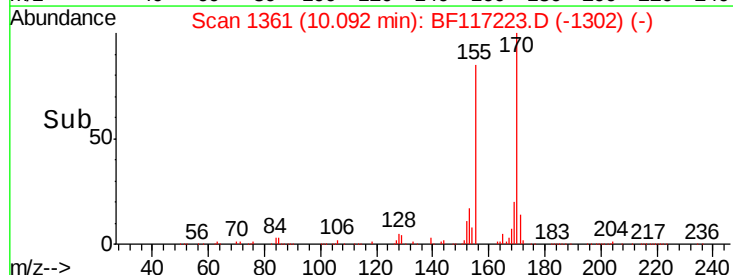


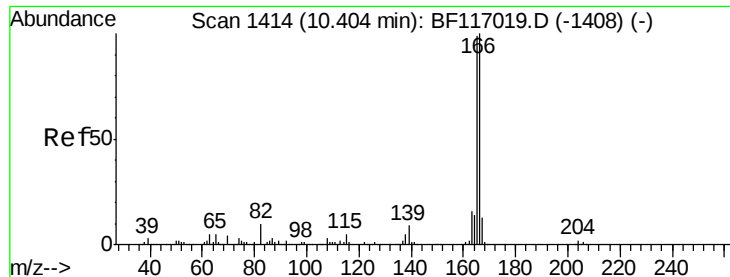
#57
2,4-Dinitrotoluene
Concen: 27.357 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.05 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:165 Resp: 32773
Ion Ratio Lower Upper
165 100
63 73.4 35.0 52.4#
89 39.5 66.1 99.1#
182 9.5 2.0 3.0#



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
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 44.849 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampled :

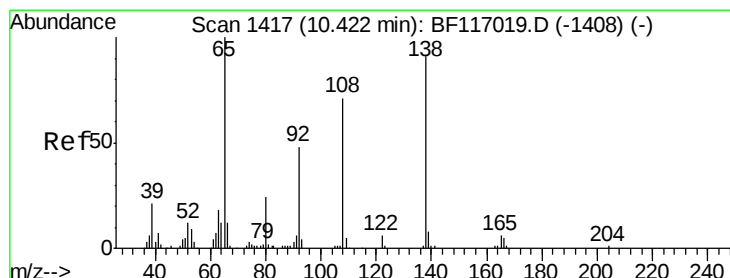
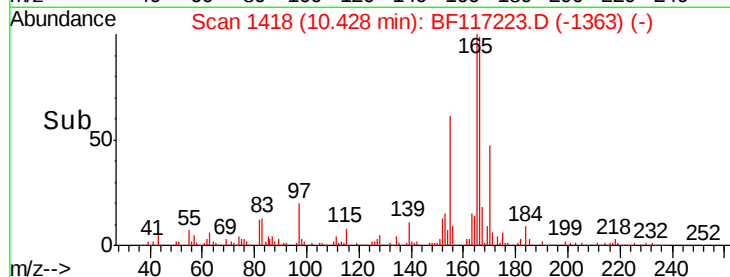
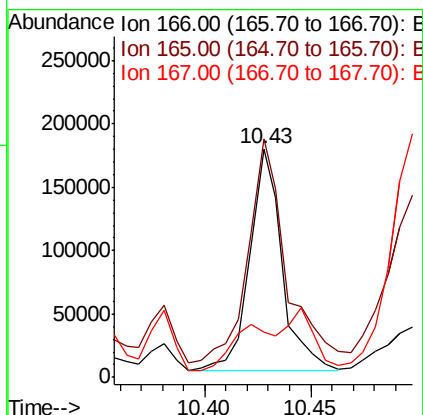
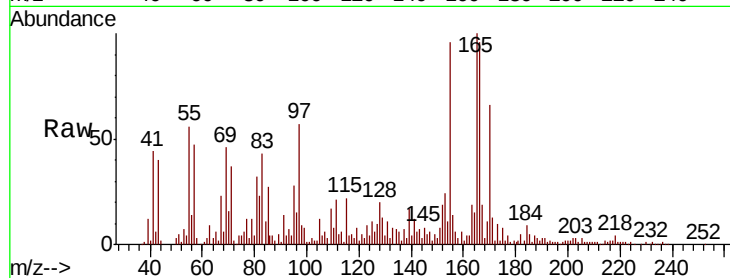
Tot Ion:166 Resp: 187537

Ion Ratio Lower Upper

166 100

165 104.2 78.9 118.3

167 19.7 10.6 15.8#



#62

4-Nitroaniline

Concen: 4.259 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

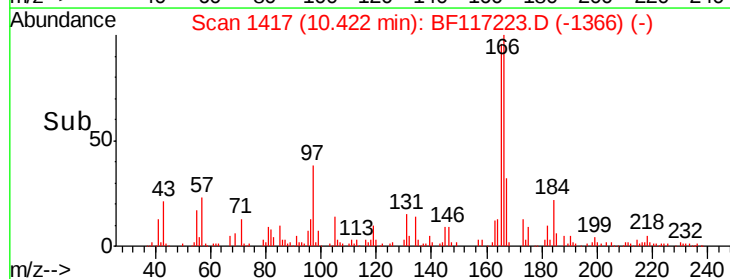
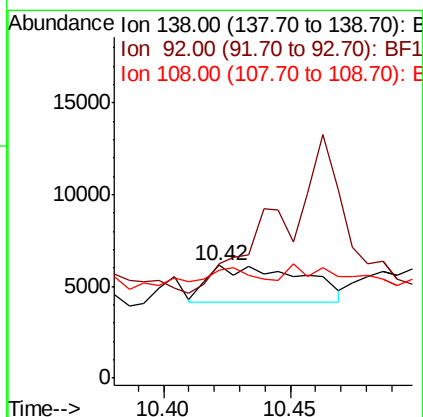
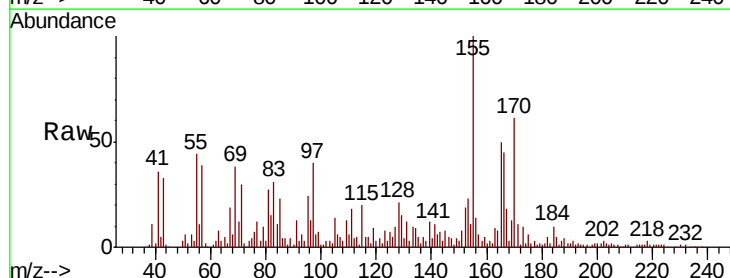
Tgt Ion:138 Resp: 5158

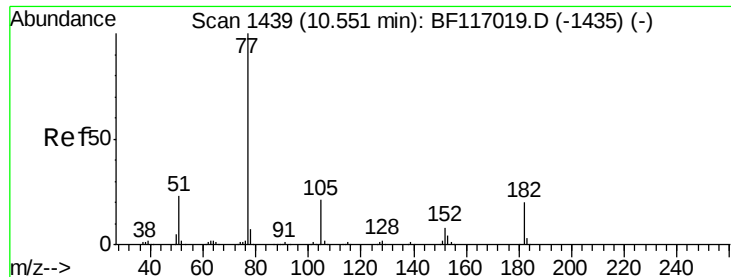
Ion Ratio Lower Upper

138 100

92 102.0 32.9 72.9#

108 96.4 58.3 98.3





#63

Azobenzene

Concen: 4.476 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 20382

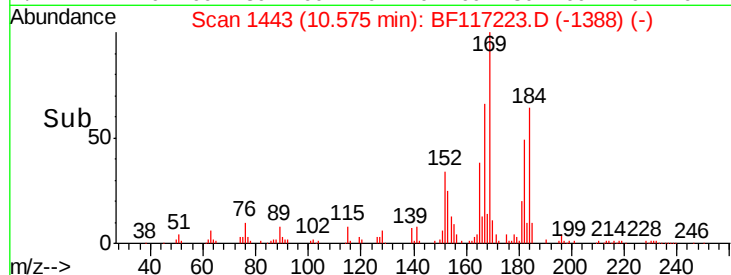
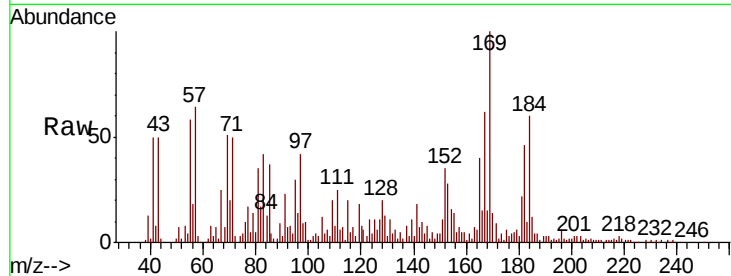
Ion Ratio Lower Upper

77 100

182 270.5 0.4 40.4#

105 71.7 0.9 40.9#

51 39.6 2.8 42.8

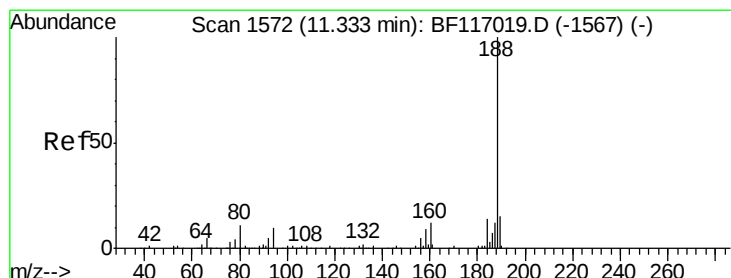
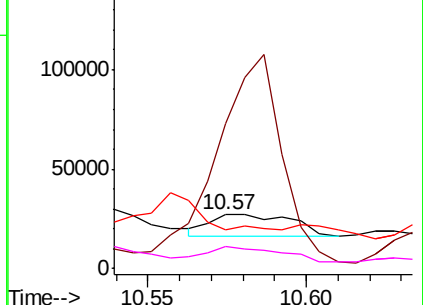


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. 0.03 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

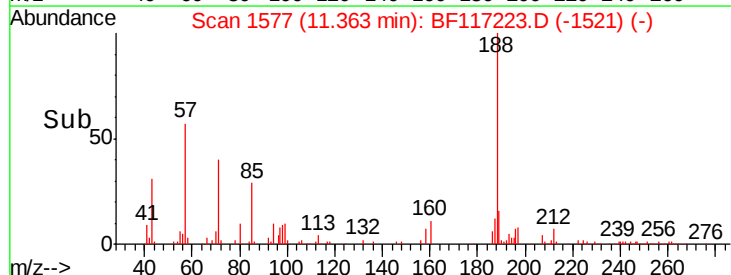
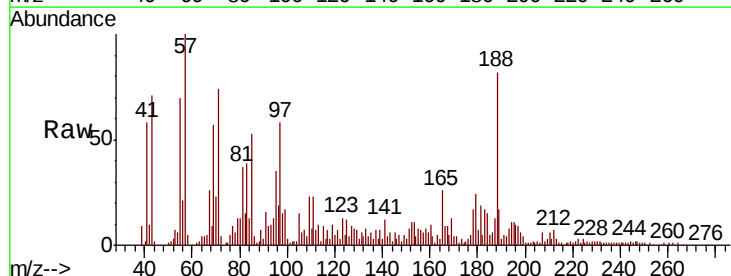
Tgt Ion: 188 Resp: 88057

Ion Ratio Lower Upper

188 100

94 15.5 8.2 12.2#

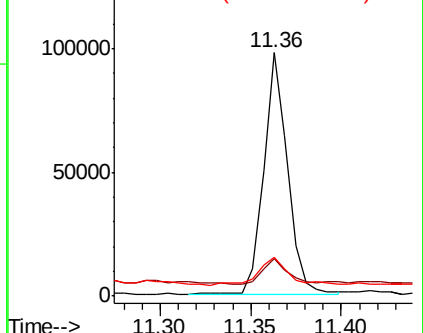
80 16.1 9.0 13.6#

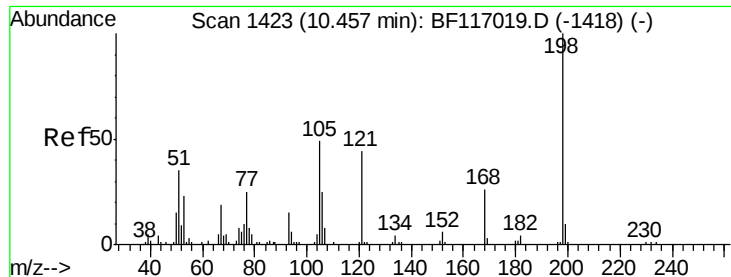


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

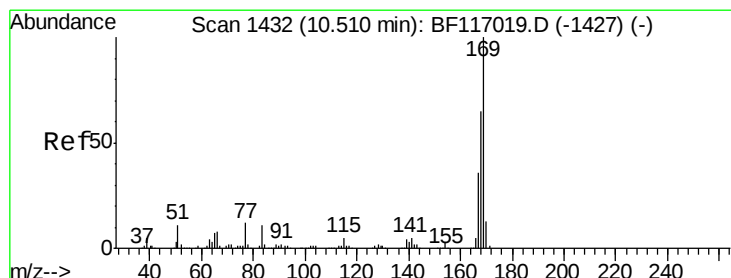
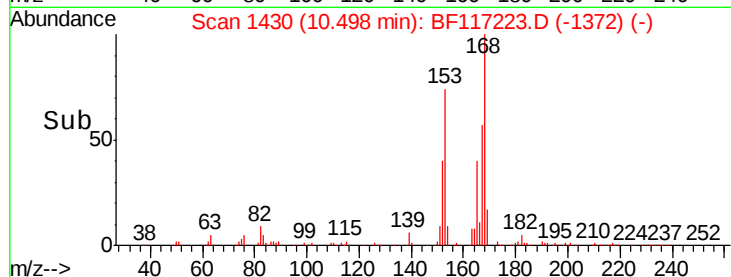
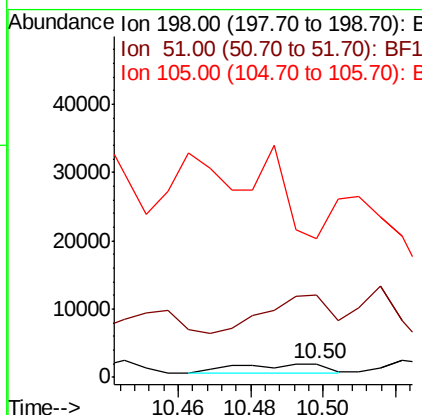
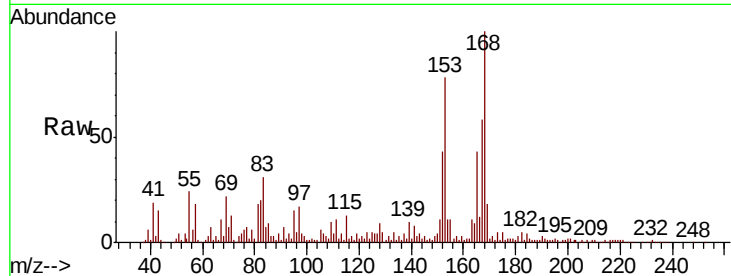




#65
4,6-Dinitro-2-methylphenol
Concen: 11.535 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.04 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

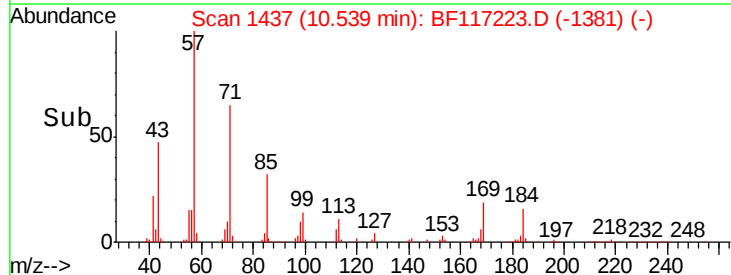
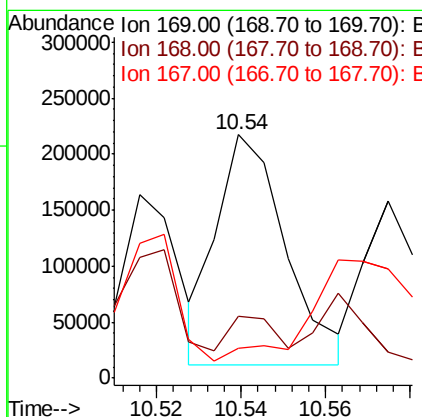
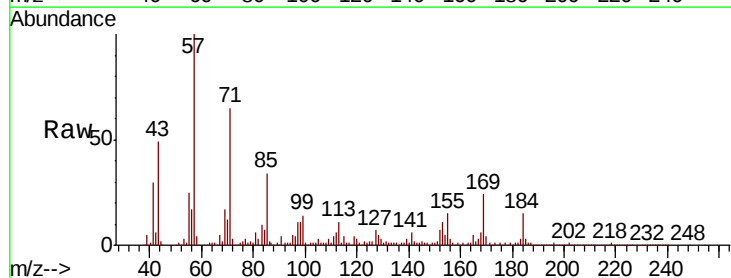
Instrument :
BNA_F
ClientSampleId :

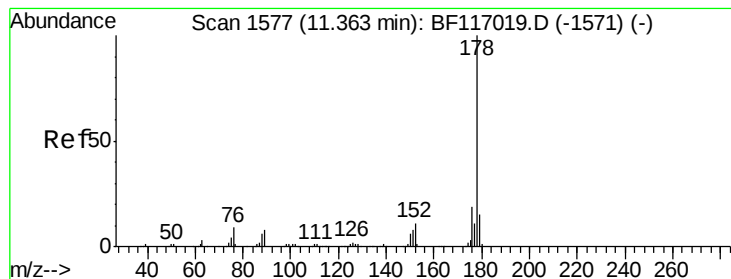
Tot Ion:198 Resp: 2171
Ion Ratio Lower Upper
198 100
51 611.6 18.7 58.7#
105 1032.9 30.2 70.2#



#66
n-Nitrosodiphenylamine
Concen: 76.717 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.03 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:169 Resp: 233305
Ion Ratio Lower Upper
169 100
168 25.1 52.2 78.2#
167 12.5 28.8 43.2#





#71

Phenanthrene

Concen: 115.596 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.03 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

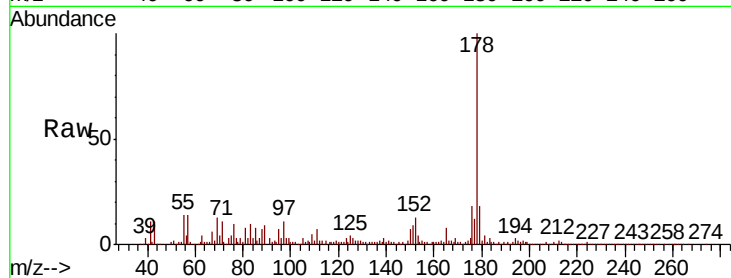
Tot Ion:178 Resp: 578164

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

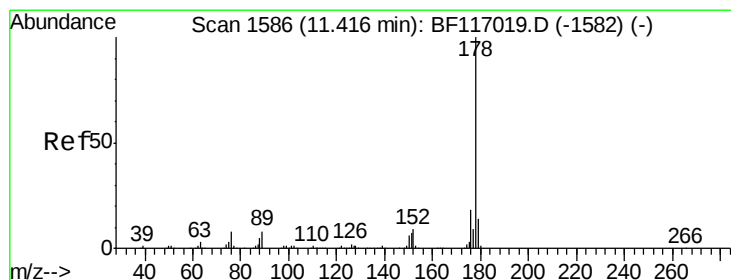
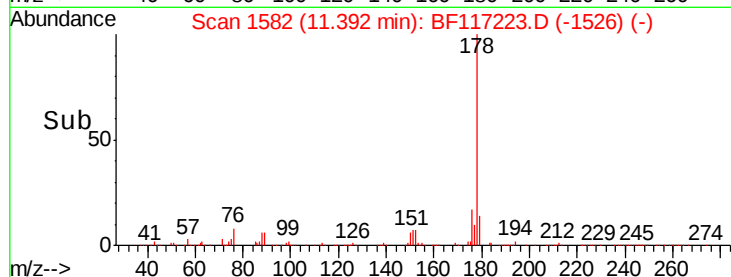
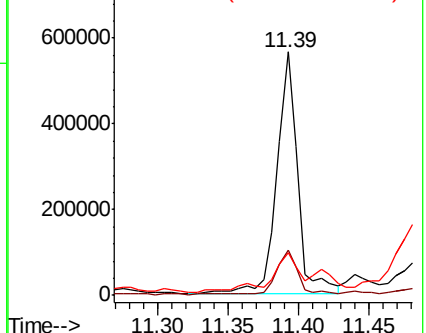
179 17.7 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.334 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.02 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

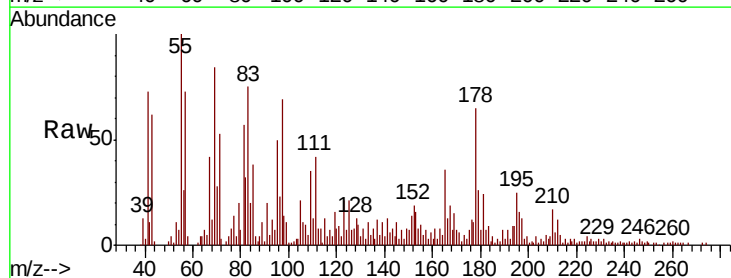
Tgt Ion:178 Resp: 47661

Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

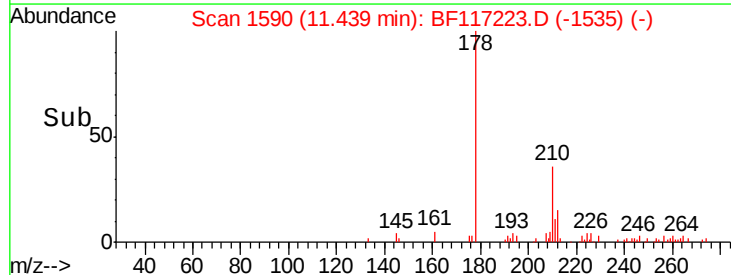
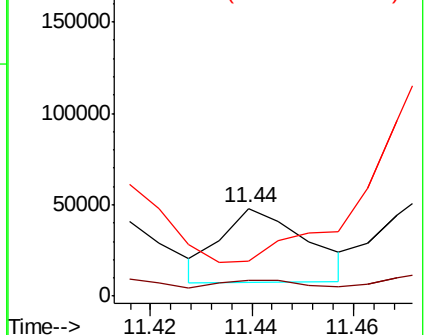
179 39.6 11.6 17.4#

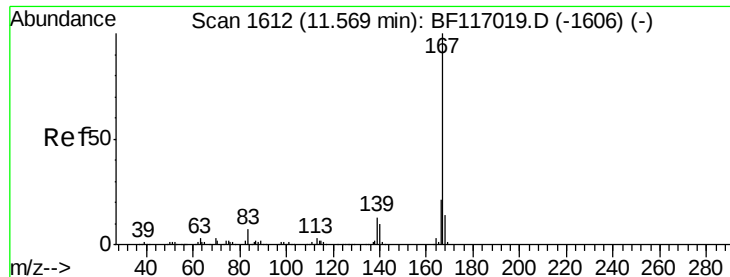


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

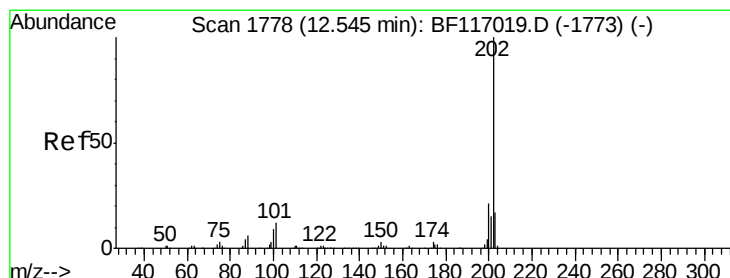
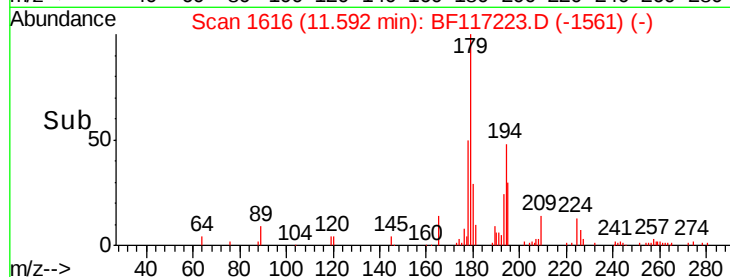
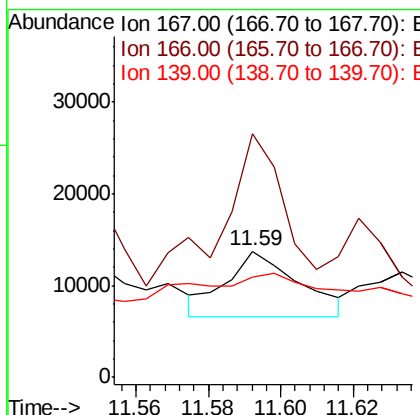
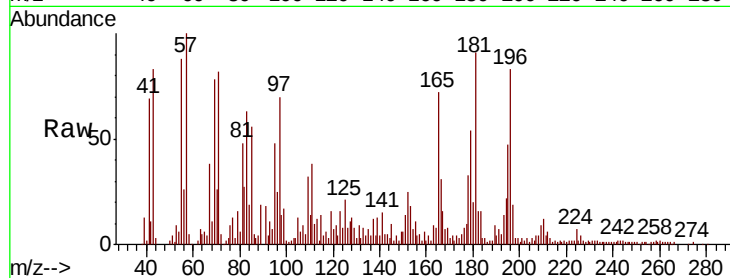




#73
 Carbazole
 Concen: 2.044 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.02 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

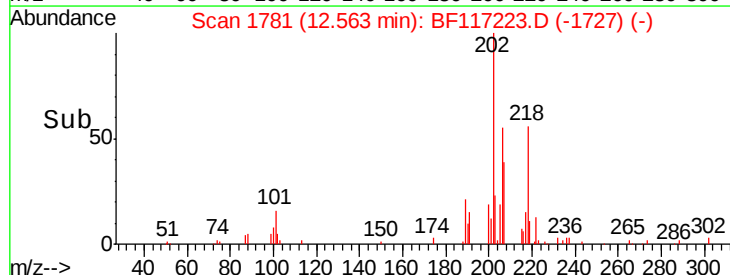
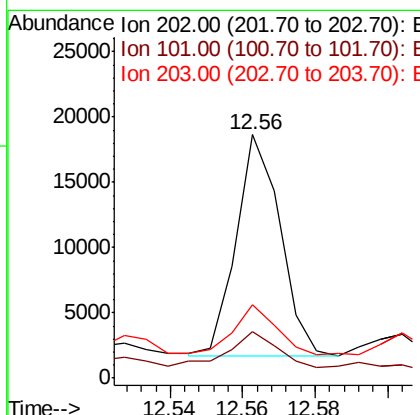
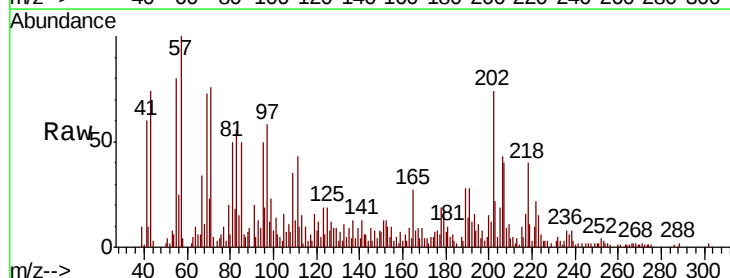
Instrument :
 BNA_F
 ClientSampleId :

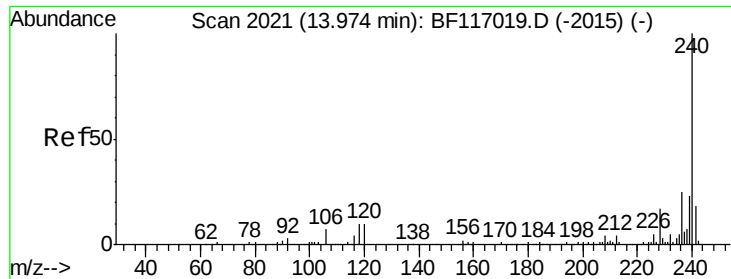
Tot Ion:167 Resp: 9908
 Ion Ratio Lower Upper
 167 100
 166 192.5 17.2 25.8#
 139 79.4 10.6 16.0#



#75
 Fluoranthene
 Concen: 2.771 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. 0.02 min
 Lab File: BF117223.D
 Acq: 24 Sep 2019 18:47

Tgt Ion:202 Resp: 14240
 Ion Ratio Lower Upper
 202 100
 101 19.3 0.0 32.3
 203 30.0 0.0 37.1

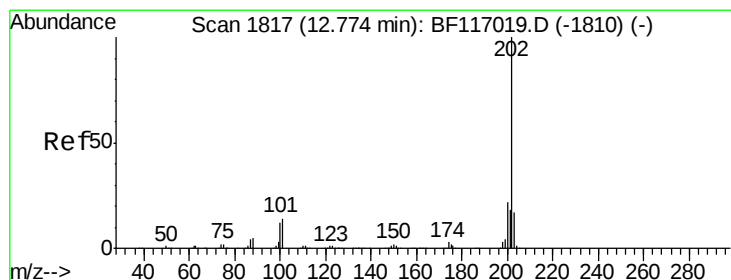
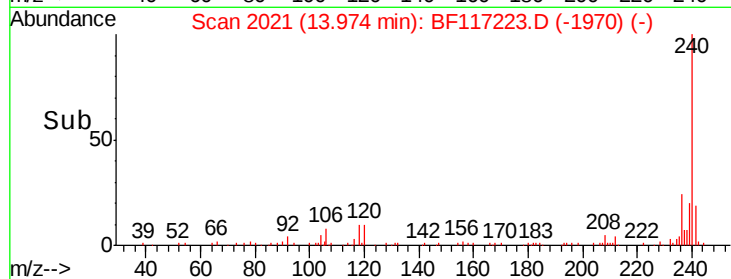
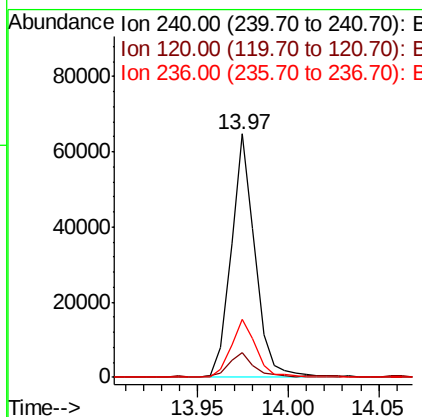
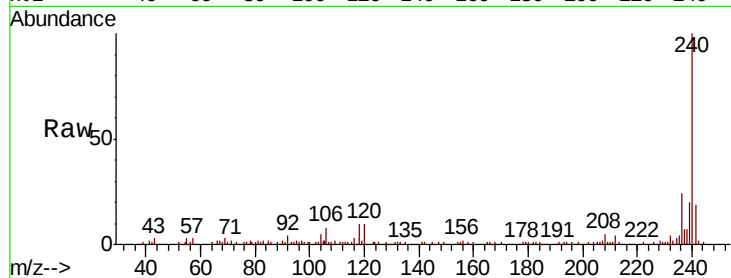




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

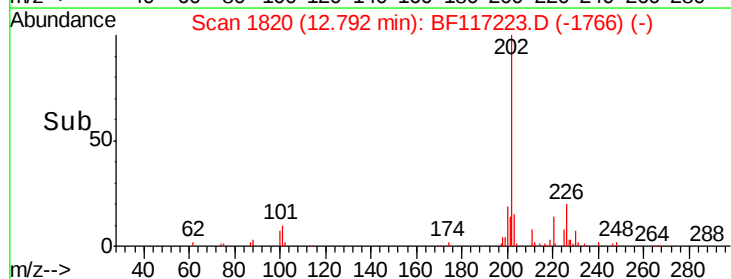
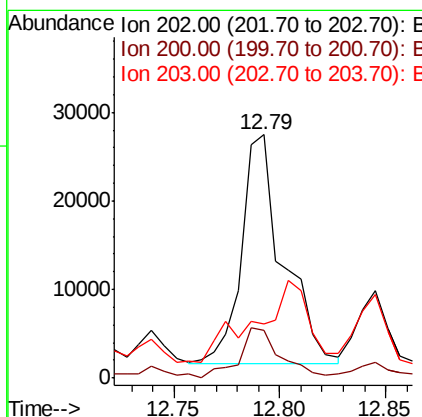
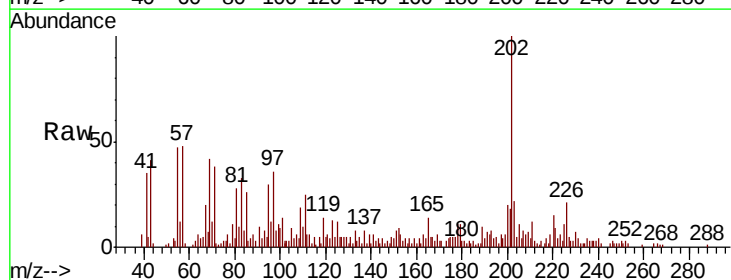
Instrument :
BNA_F
ClientSampleId :

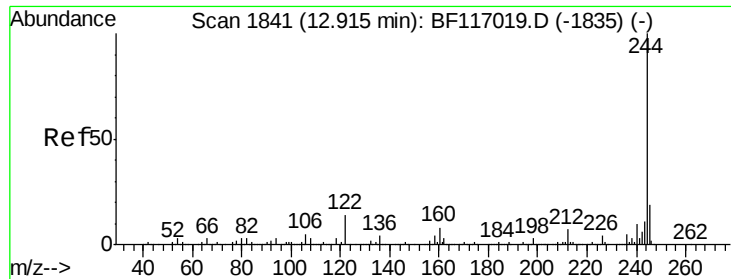
Tot Ion:240 Resp: 59286
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 23.8 20.3 30.5



#78
Pyrene
Concen: 7.150 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.02 min
Lab File: BF117223.D
Acq: 24 Sep 2019 18:47

Tgt Ion:202 Resp: 35567
Ion Ratio Lower Upper
202 100
200 19.7 17.2 25.8
203 22.4 14.0 21.0#





#79

Terphenyl-d14

Concen: 72.053 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

Instrument :

BNA_F

ClientSampleId :

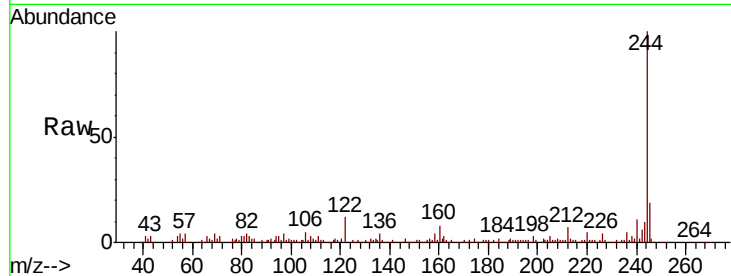
Tot Ion:244 Resp: 228529

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

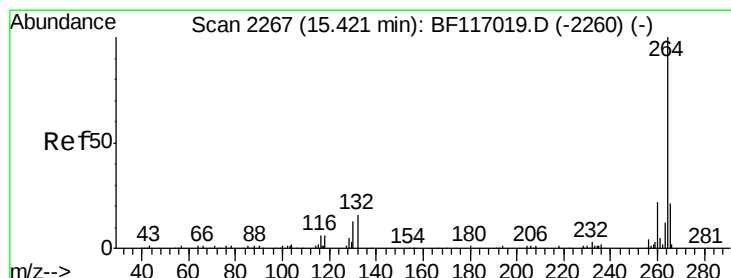
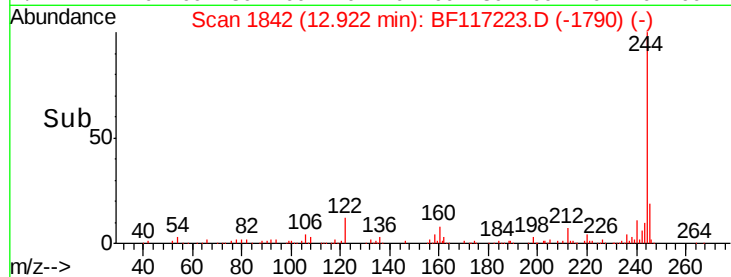
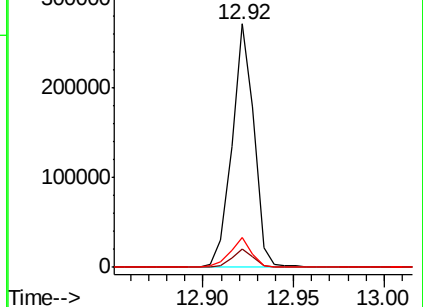
122 12.4 11.3 16.9



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117223.D

Acq: 24 Sep 2019 18:47

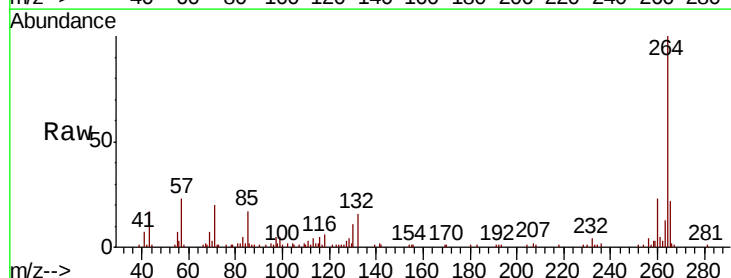
Tgt Ion:264 Resp: 68027

Ion Ratio Lower Upper

264 100

260 23.1 17.6 26.4

265 21.8 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

