

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112045.D
 Acq On : 12 Jan 2019 5:20
 Operator : JU/SJ
 Sample : K1071-05DL 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 05:47:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	9227	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	32229	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	16097	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	30211	20.00	ng	0.00
76) Chrysene-d12	14.04	240	23356	20.00	ng	0.00
87) Perylene-d12	15.52	264	18686	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	19166	35.54	ng	0.00
7) Phenol-d6	6.52	99	25968	37.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	35926	59.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	5083	24.28	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	23302	21.11	ng	0.00
79) Terphenyl-d14	12.98	244	31761	25.81	ng	0.00

Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.40	42	1059	3.482	ng	# 1
6) Aniline	6.55	93	4246	5.052	ng	# 1
9) Benzaldehyde	6.42	77	14123	34.688	ng	# 5
10) Phenol	6.53	94	3003	3.975	ng	# 1
13) 1,4-Dichlorobenzene	6.89	146	8235	11.689	ng	# 49
15) Benzyl Alcohol	7.03	79	11272	20.494	ng	# 42
17) 2-Methylphenol	7.12	107	2458	5.107	ng	# 1
18) Hexachloroethane	7.41	117	91372	371.458	ng	# 1
19) n-Nitroso-di-n-propylamine	7.31	70	48295	106.928	ng	# 60
20) 3+4-Methylphenols	7.28	107	5012	8.367	ng	# 1
22) Acetophenone	7.22	105	53439	65.494	ng	# 58
24) Nitrobenzene	7.45	77	18066	29.616	ng	# 63
25) Isophorone	7.69	82	103769	106.267	ng	# 1
26) 2-Nitrophenol	7.79	139	10168	33.853	ng	# 1
27) 2,4-Dimethylphenol	7.82	122	15699	36.149	ng	# 35
28) bis(2-Chloroethoxy)methane	7.90	93	8167	12.530	ng	# 1
29) 2,4-Dichlorophenol	8.00	162	12355	24.741	ng	# 12
31) Naphthalene	8.19	128	19795	12.939	ng	# 1
32) Benzoic acid	7.96	122	11747	41.682	ng	# 26
33) 4-Chloroaniline	8.24	127	5767	8.720	ng	# 1
35) Caprolactam	8.62	113	10297	63.110	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	6365	12.819	ng	# 26
38) 1-Methylnaphthalene	8.99	142	12158	13.371	ng	# 1
43) 2,4,6-Trichlorophenol	9.15	196	6298	18.094	ng	# 12
44) 2,4,5-Trichlorophenol	9.19	196	5007	13.730	ng	# 1
46) 1,1'-Biphenyl	9.07	154	7732	5.742	ng	# 91
48) 2-Nitroaniline	9.47	65	2722	8.425	ng	# 1
49) Acenaphthylene	9.78	152	13934	8.919	ng	# 1
50) Dimethylphthalate	9.62	163	7172	5.931	ng	# 6
51) 2,6-Dinitrotoluene	9.69	165	5066	18.735	ng	# 76
52) Acenaphthene	9.95	154	85876	85.261	ng	# 93
53) 3-Nitroaniline	9.87	138	3313	11.441	ng	# 47
54) 2,4-Dinitrophenol	9.99	184	247	2.157	ng	# 1
55) Dibenzofuran	10.12	168	95561	65.238	ng	# 83

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 Misc :
 ALS Vial : 36 Sample Multiplier: 1

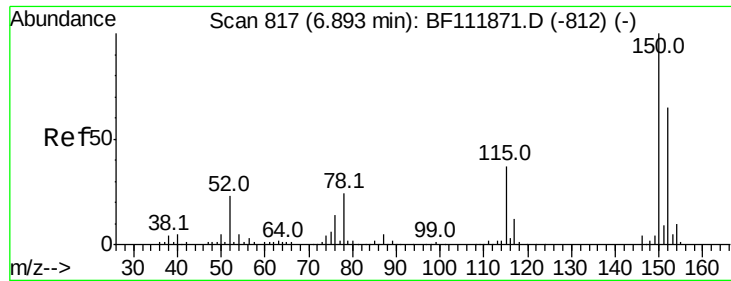
Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 12 05:47:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

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

56) 4-Nitrophenol	10.02	139	5936	29.011	nq	# 11
57) 2,4-Dinitrotoluene	10.09	165	4326	12.381	nq	# 66
58) Fluorene	10.46	166	103196	96.820	nq	96
62) 4-Nitroaniline	10.46	138	2326	8.468	nq	90
63) Azobenzene	10.61	77	3572	3.195	nq	# 1
65) 4,6-Dinitro-2-methylphenol	10.53	198	486	2.607	nq	# 1
66) n-Nitrosodiphenylamine	10.57	169	38769	38.241	nq	# 52
71) Phenanthrene	11.42	178	323085	200.024	nq	99
72) Anthracene	11.47	178	47331	28.866	nq	98
75) Fluoranthene	12.62	202	176963	106.721	nq	99
78) Pyrene	12.84	202	128944	80.237	nq	98
81) Benzo(a)anthracene	14.03	228	30160	22.438	nq	# 86
82) 3,3'-Dichlorobenzidine	13.97	252	1047	2.110	nq	# 1
83) Chrysene	14.07	228	27388	21.370	nq	# 87
84) Bis(2-ethylhexyl)phthalate	14.02	149	115322	129.248	nq	# 99
86) Indeno(1,2,3-cd)pyrene	17.02	276	7359	7.876	nq	# 94
88) Benzo(b)fluoranthene	15.09	252	23052	20.623	nq	# 22
89) Benzo(k)fluoranthene	15.09	252	23052	21.940	nq	# 25
90) Benzo(a)pyrene	15.46	252	12998	13.225	nq	# 16
91) Dibenzo(a,h)anthracene	17.02	278	3789	4.793	nq	# 1
92) Benzo(g,h,i)perylene	17.46	276	7451	9.637	nq	# 48

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

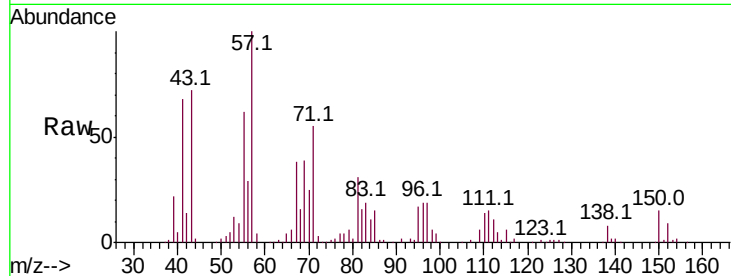


#1

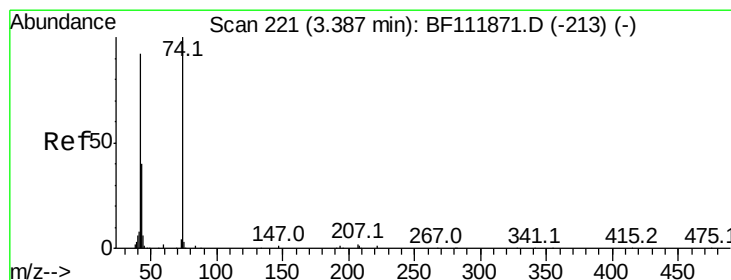
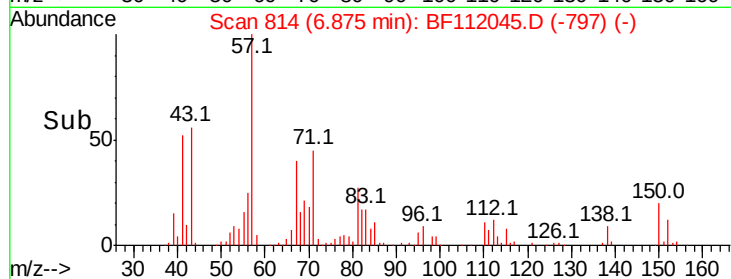
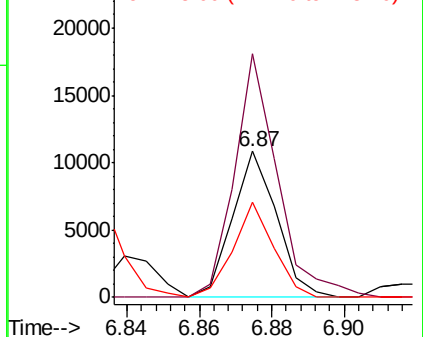
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 9227
Ion Ratio Lower Upper
152 100
150 167.0 122.7 184.1
115 65.0 45.2 67.8



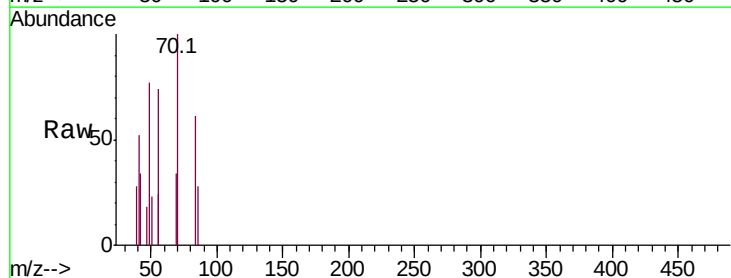
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



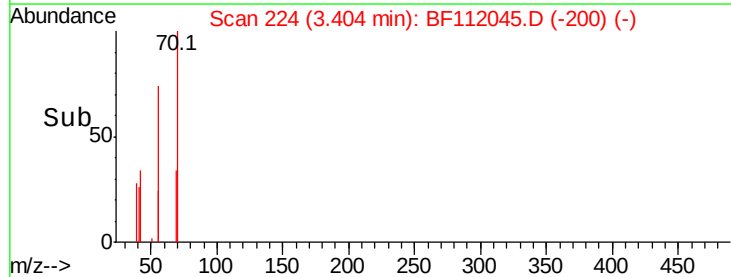
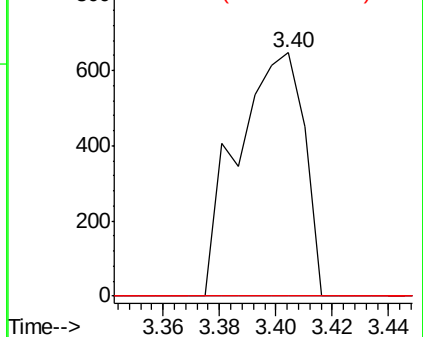
#4

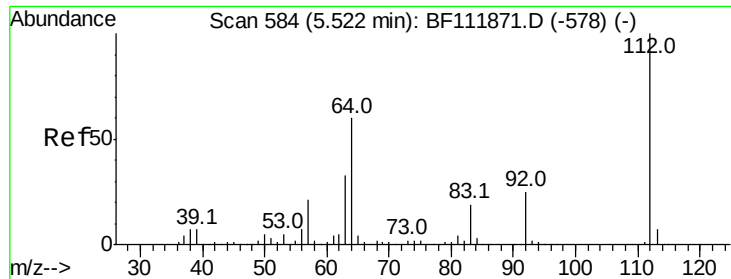
n-Nitrosodimethylamine
Concen: 3.482 ng
RT: 3.40 min Scan# 224
Delta R.T. 0.04 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion: 42 Resp: 1059
Ion Ratio Lower Upper
42 100
74 0.0 87.0 130.6#
44 0.0 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 35.536 ng

RT: 5.50 min Scan# 581

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

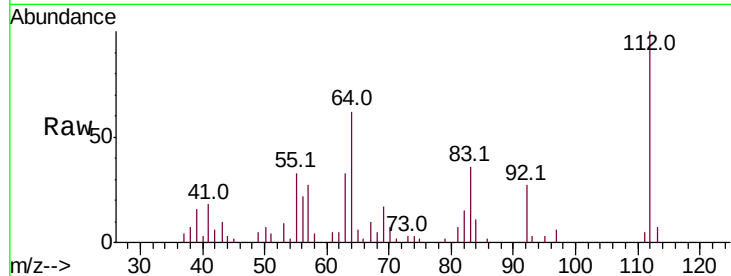
Tot Ion:112 Resp: 19166

Ion Ratio Lower Upper

112 100

64 61.8 48.3 72.5

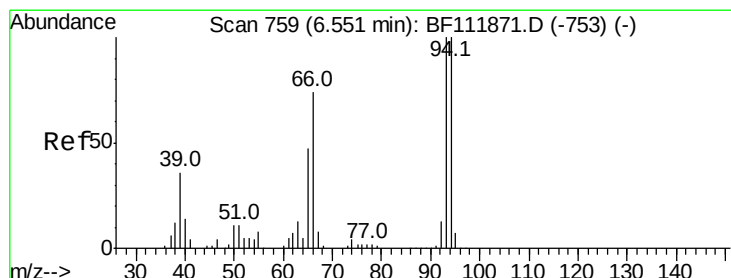
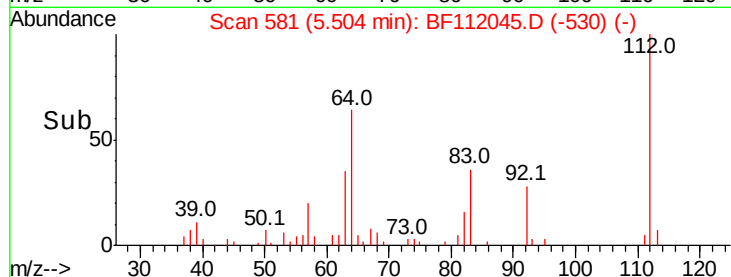
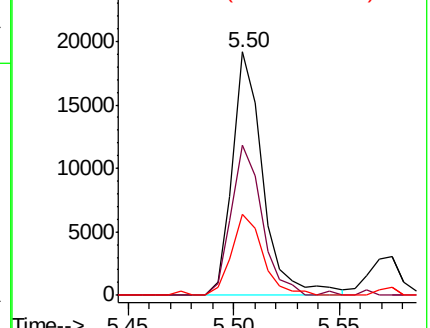
63 33.2 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 5.052 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.02 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

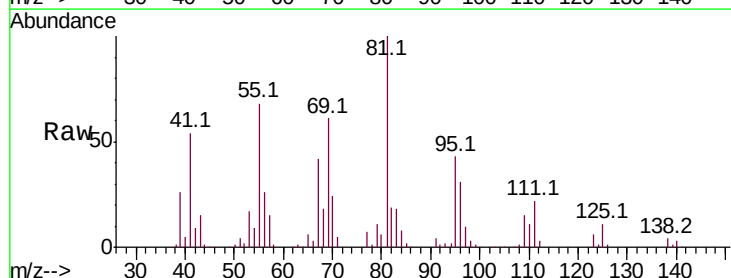
Tgt Ion: 93 Resp: 4246

Ion Ratio Lower Upper

93 100

66 131.3 60.0 90.0#

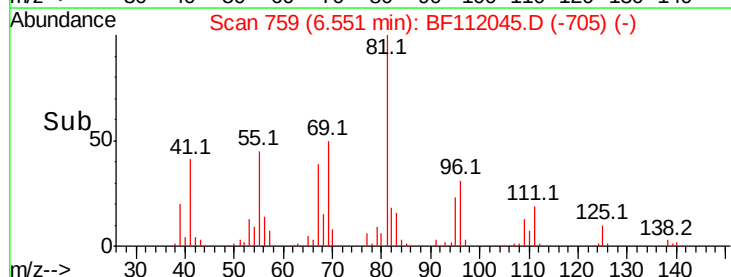
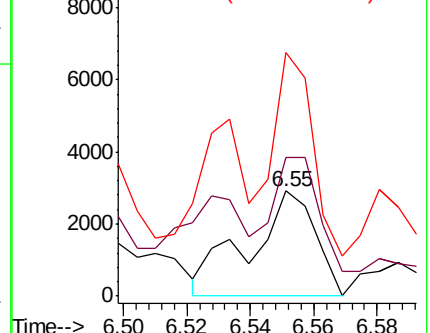
65 231.4 37.5 56.3#

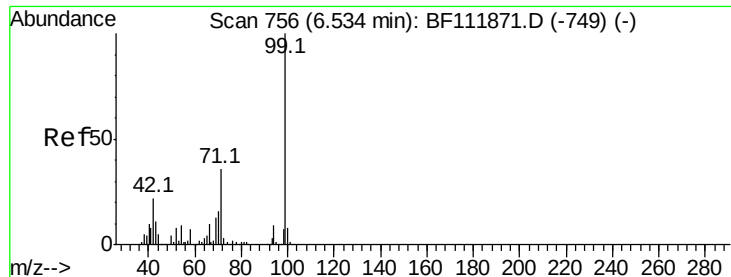


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 37.357 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

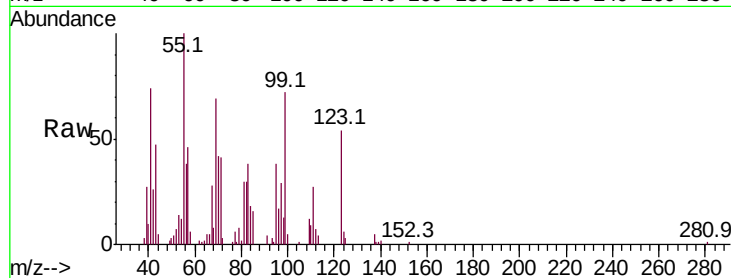
Tot Ion: 99 Resp: 25968

Ion Ratio Lower Upper

99 100

42 35.7 17.9 26.9#

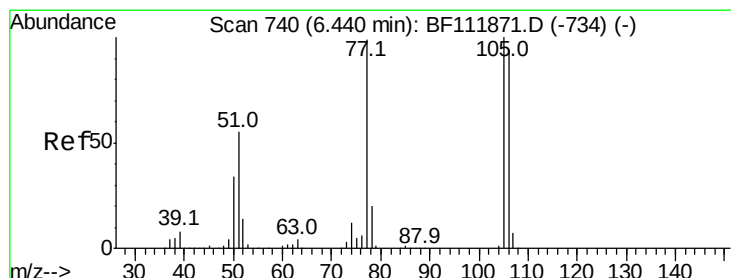
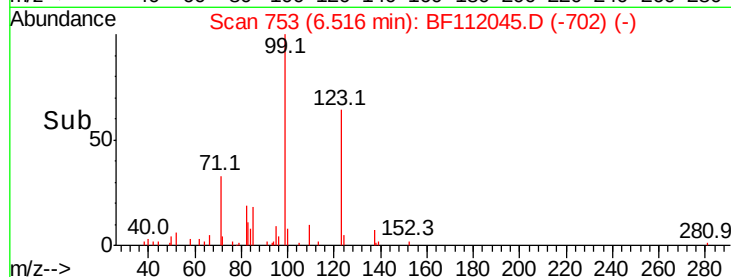
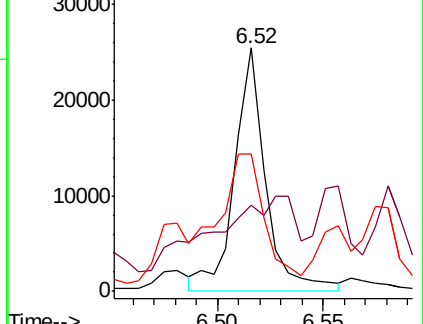
71 56.6 28.7 43.1#



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: 34.688 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

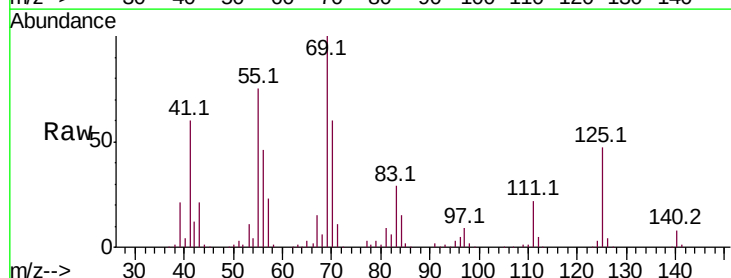
Tgt Ion: 77 Resp: 14123

Ion Ratio Lower Upper

77 100

105 7.7 80.6 120.6#

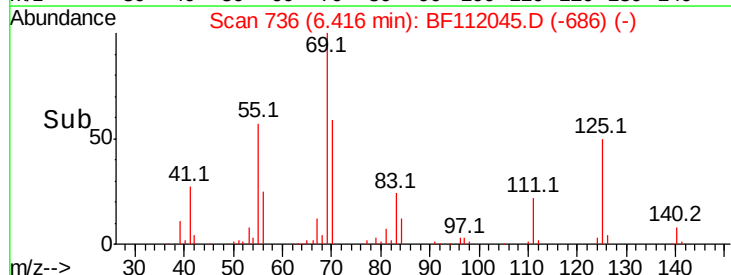
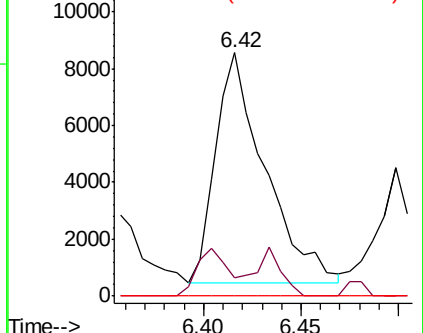
106 0.0 74.6 114.6#

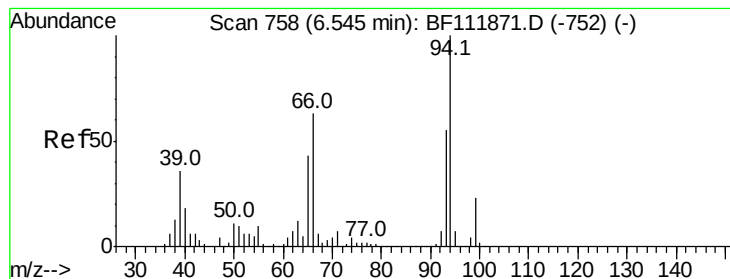


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.975 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

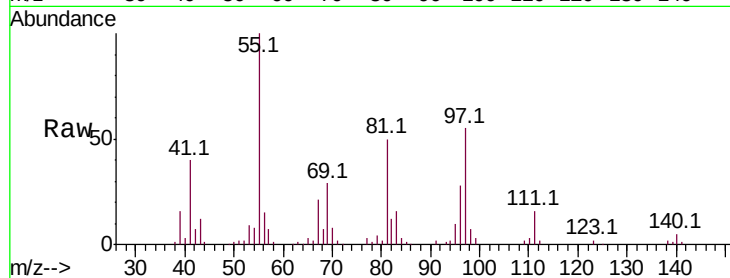
Tot Ion: 94 Resp: 3003

Ion Ratio Lower Upper

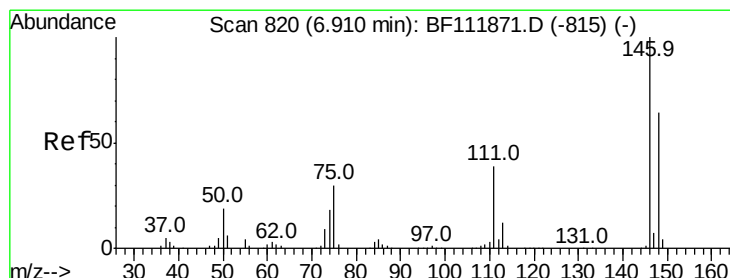
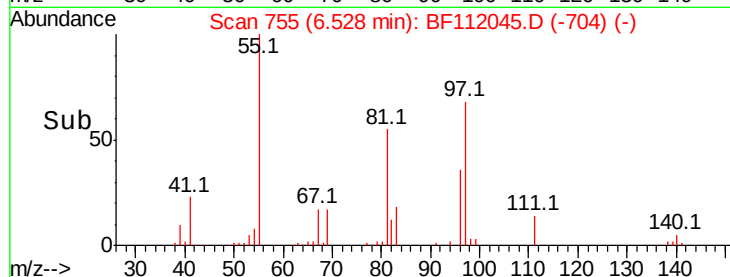
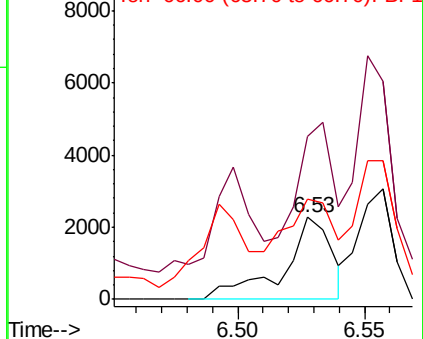
94 100

65 198.4 22.8 62.8#

66 122.8 43.3 83.3#



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



#13

1,4-Dichlorobenzene

Concen: 11.689 ng

RT: 6.89 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

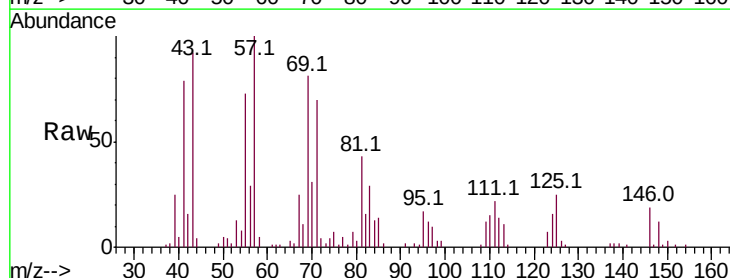
Tgt Ion: 146 Resp: 8235

Ion Ratio Lower Upper

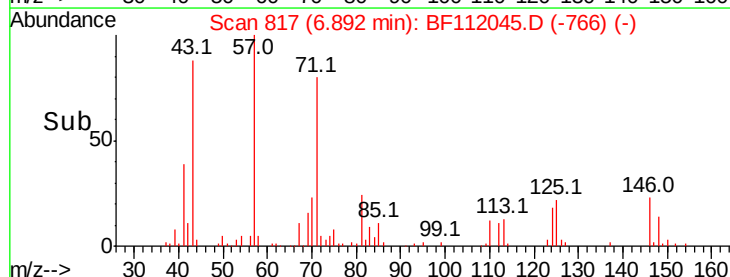
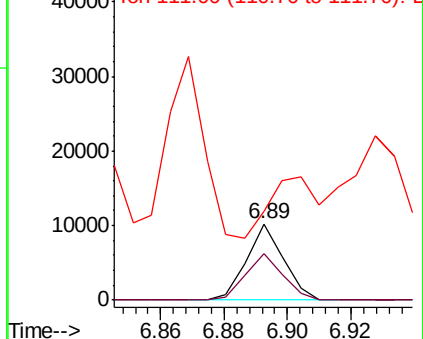
146 100

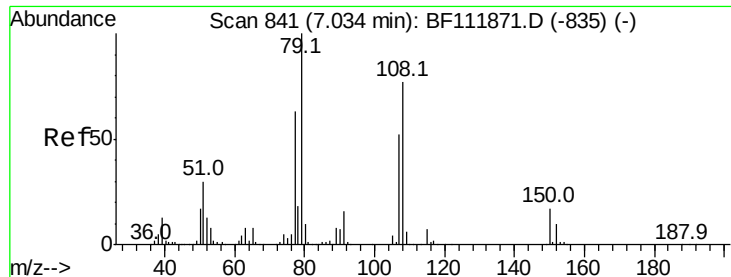
148 60.2 51.2 76.8

111 116.6 31.5 47.3#



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





#15

Benzyl Alcohol

Concen: 20.494 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

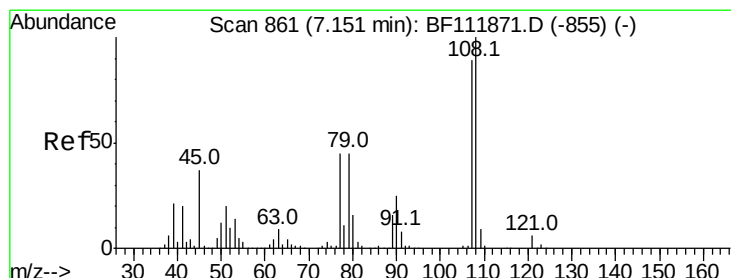
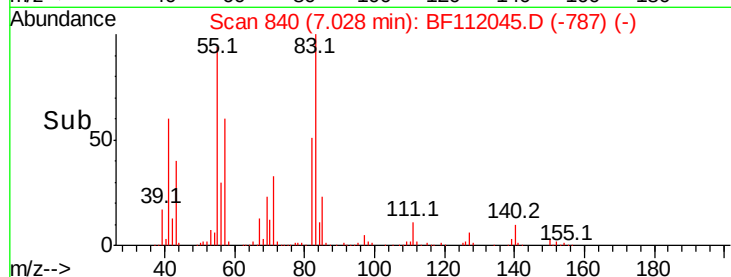
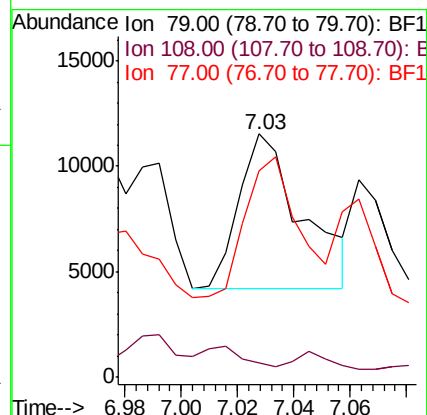
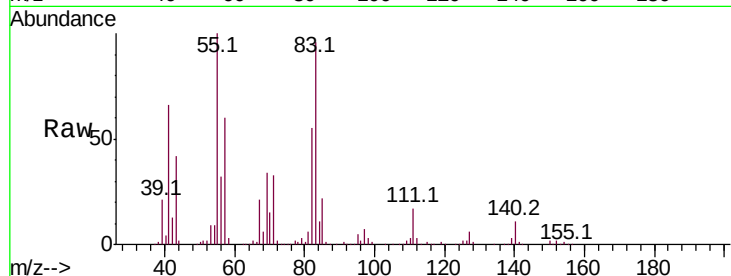
Tot Ion: 79 Resp: 11272

Ion Ratio Lower Upper

79 100

108 5.7 61.4 92.0#

77 85.0 50.4 75.6#



#17

2-Methylphenol

Concen: 5.107 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Tgt Ion: 107 Resp: 2458

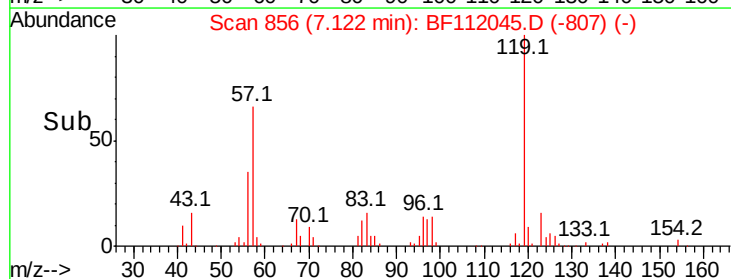
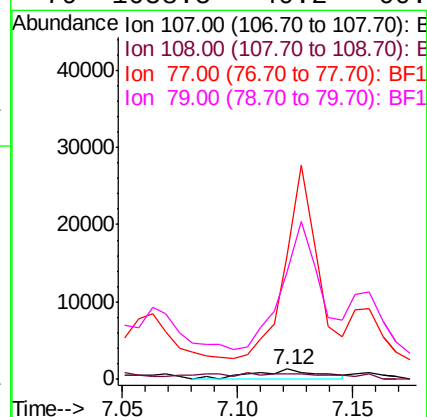
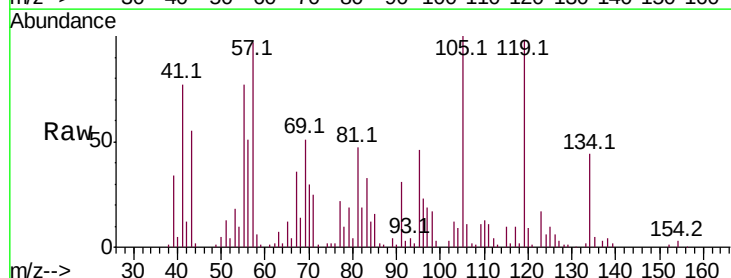
Ion Ratio Lower Upper

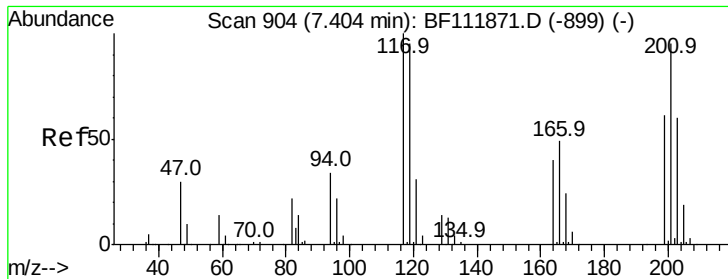
107 100

108 45.7 89.7 134.5#

77 1223.1 40.6 60.8#

79 1058.5 40.2 60.2#





#18

Hexachloroethane

Concen: 371.458 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.02 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

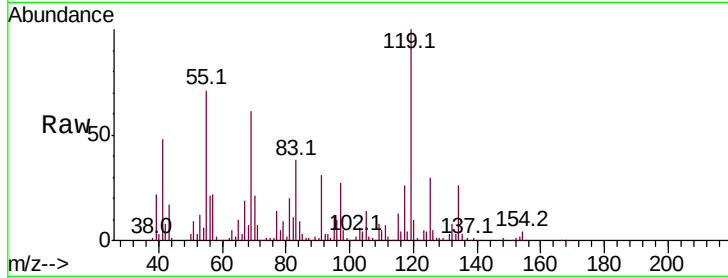
Tot Ion:117 Resp: 91372

Ion Ratio Lower Upper

117 100

119 378.0 76.2 114.2#

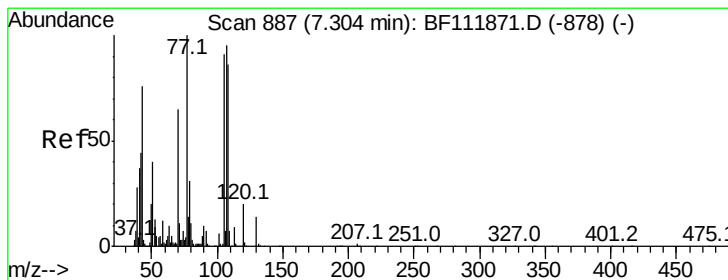
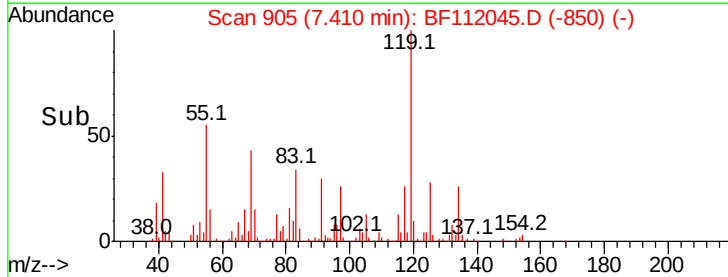
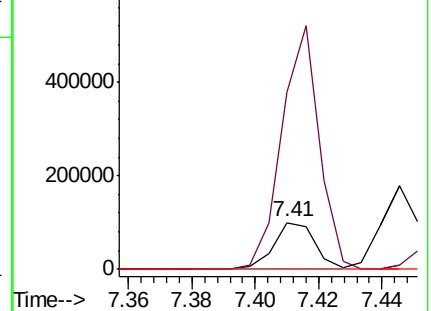
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 106.928 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.02 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Tgt Ion: 70 Resp: 48295

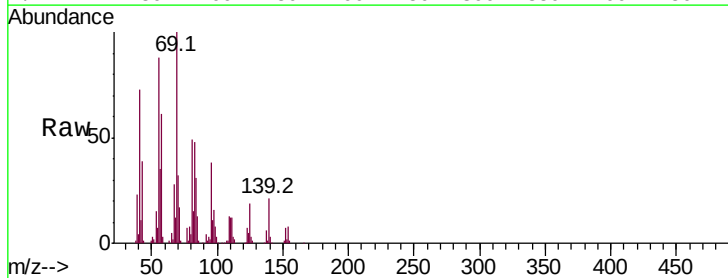
Ion Ratio Lower Upper

70 100

42 35.1 53.6 80.4#

101 0.0 7.3 10.9#

130 0.0 16.8 25.2#

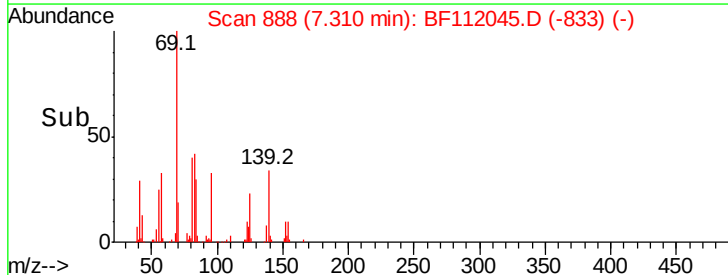
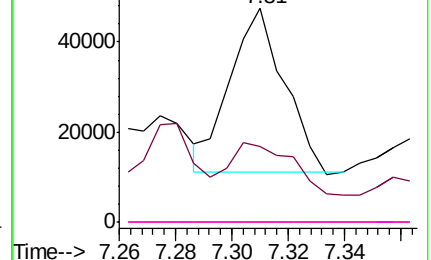


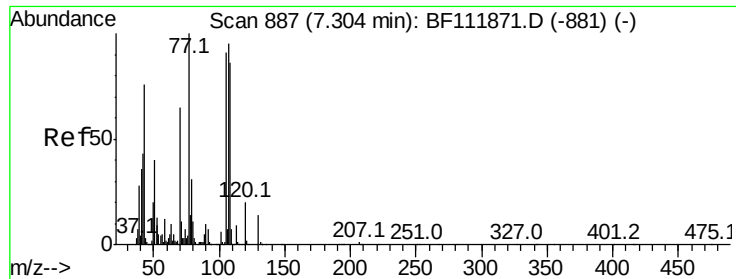
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

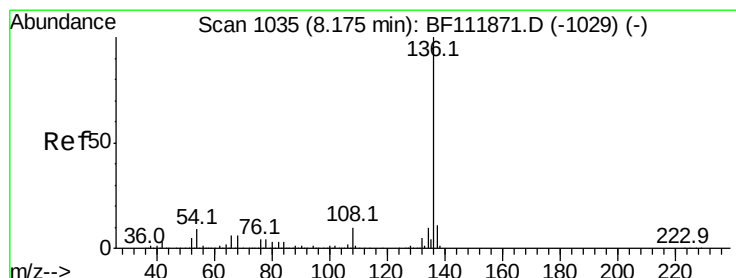
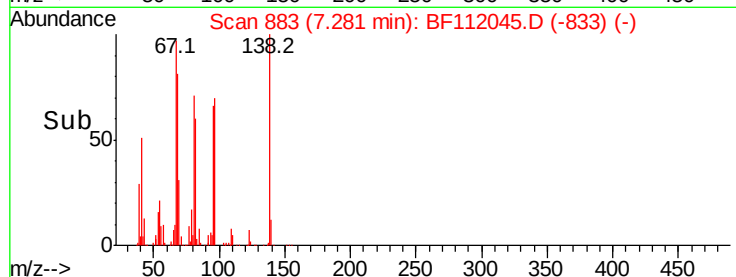
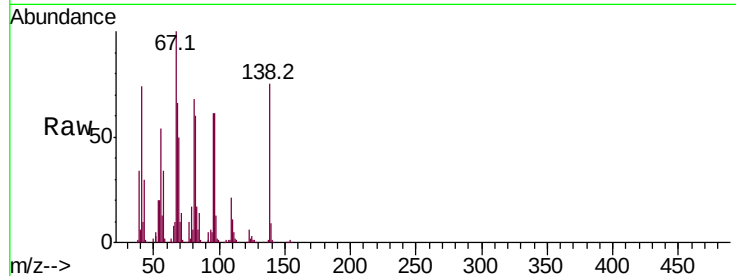
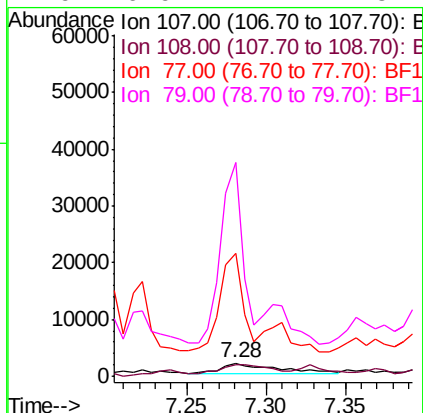




#20
3+4-Methylphenols
Concen: 8.367 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

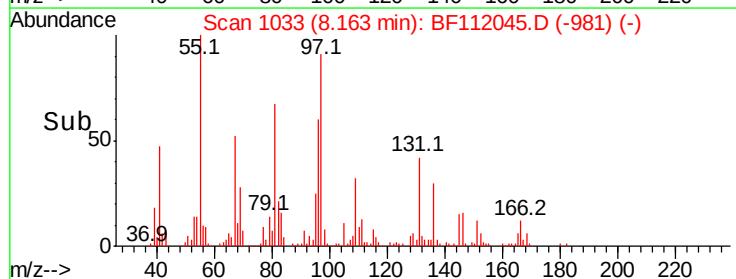
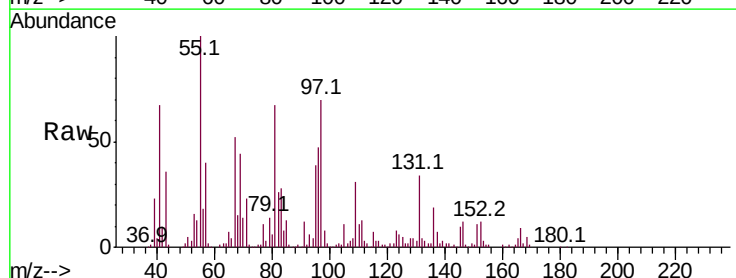
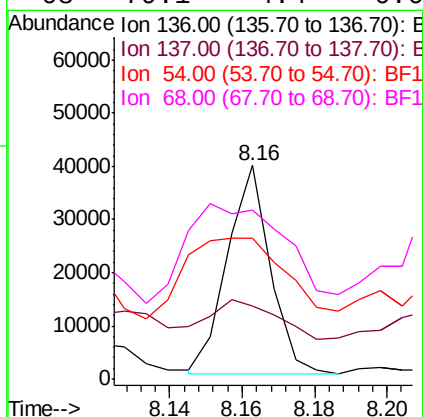
Instrument :
BNA_F
ClientSampled :

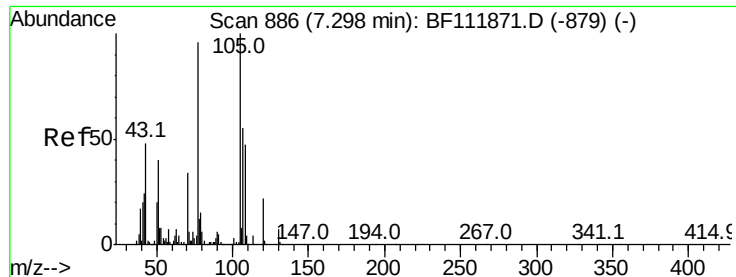
Tot Ion	Ratio	Lower	Upper
107	100		
108	91.0	71.1	111.1
77	934.3	85.4	125.4#
79	1629.1	12.4	52.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion	Ratio	Lower	Upper
136	100		
137	34.4	9.1	13.7#
54	65.8	7.2	10.8#
68	79.1	4.4	6.6#





#22

Acetophenone

Concen: 65.494 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.06 min

Lab File: BF112045.D

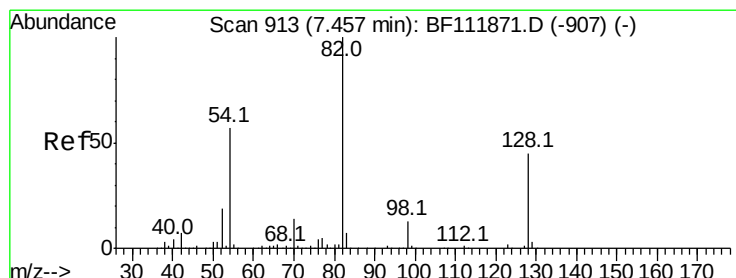
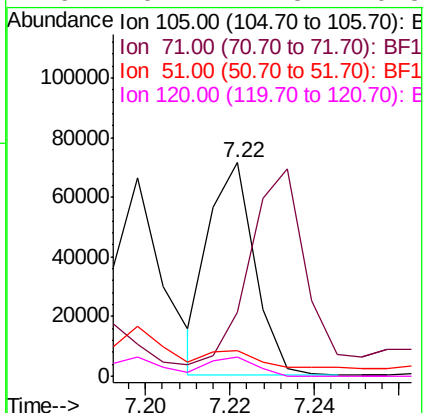
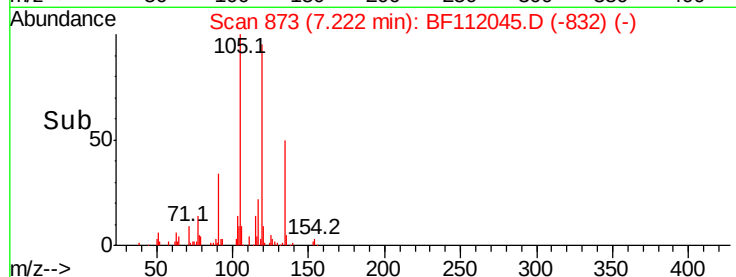
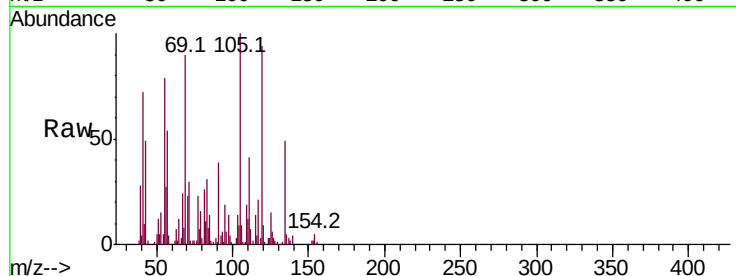
Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	105	Resp:	53439
Ion	Ratio	Lower	Upper
105	100		
71	30.2	4.6	6.8#
51	12.2	32.2	48.2#
120	9.1	17.5	26.3#



#23

Nitrobenzene-d5

Concen: 59.576 ng

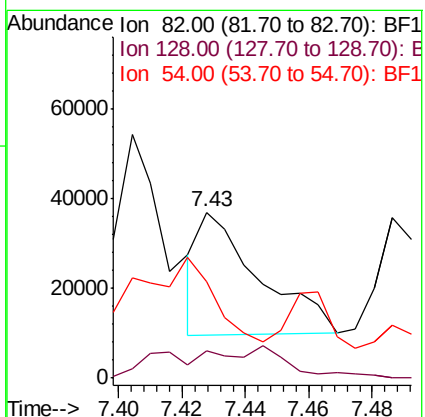
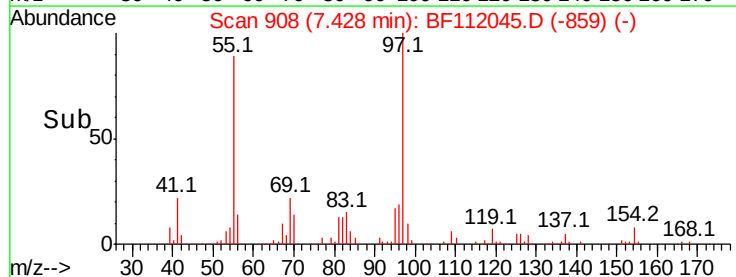
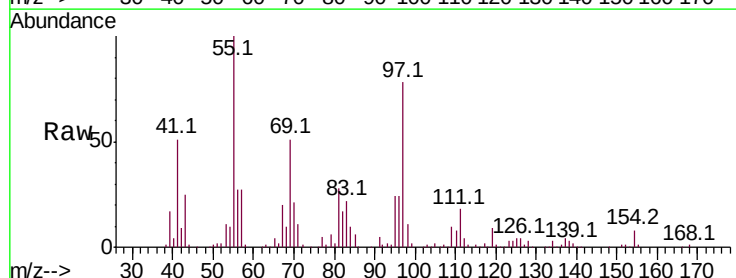
RT: 7.43 min Scan# 908

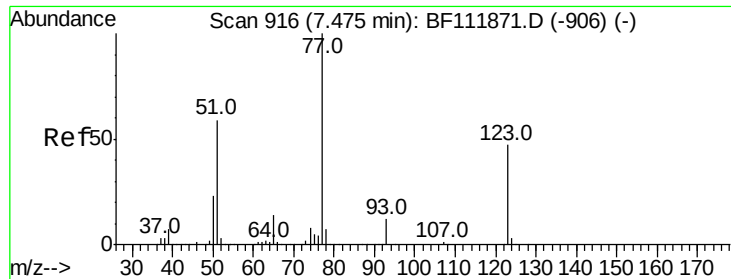
Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Tgt Ion:	82	Resp:	35926
Ion	Ratio	Lower	Upper
82	100		
128	16.2	35.7	53.5#
54	58.0	45.8	68.8

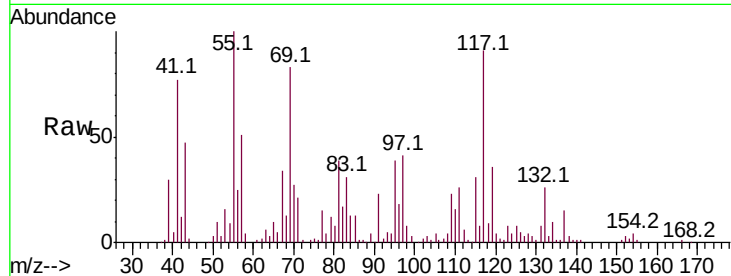




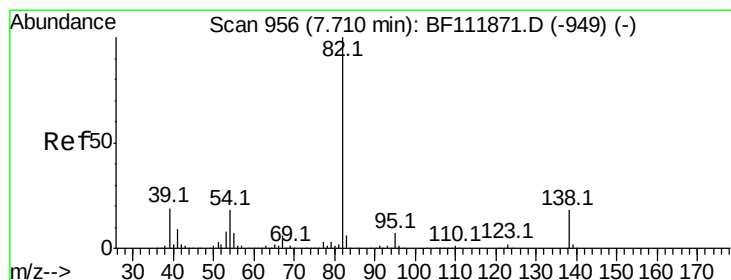
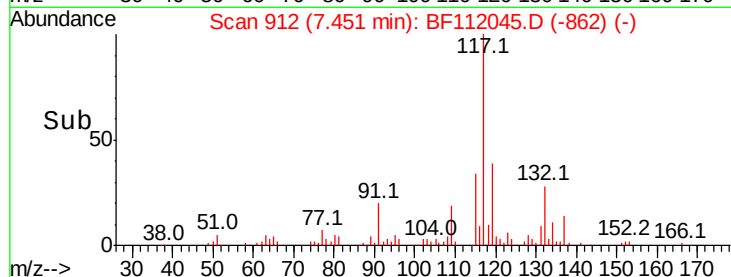
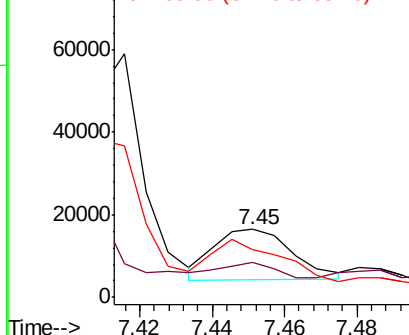
#24
Nitrobenzene
Concen: 29.616 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 18066
Ion Ratio Lower Upper
77 100
123 52.2 38.1 57.1
65 70.9 11.0 16.4#

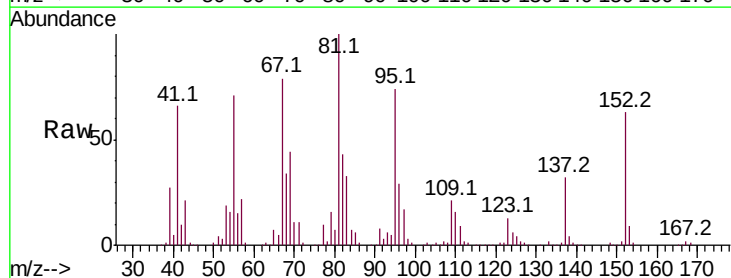


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

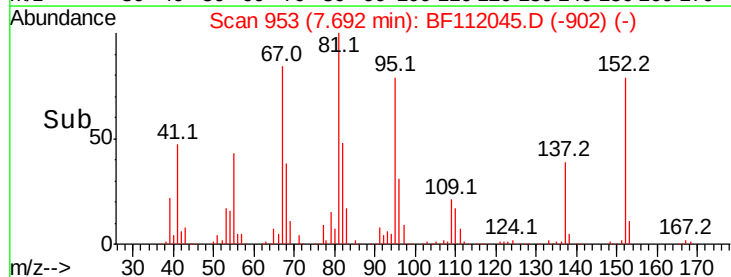
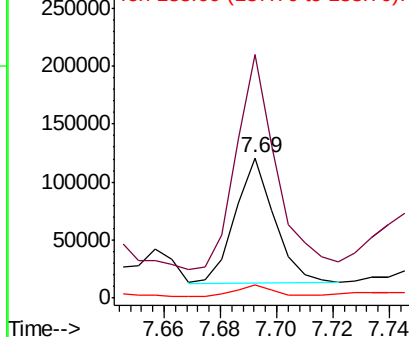


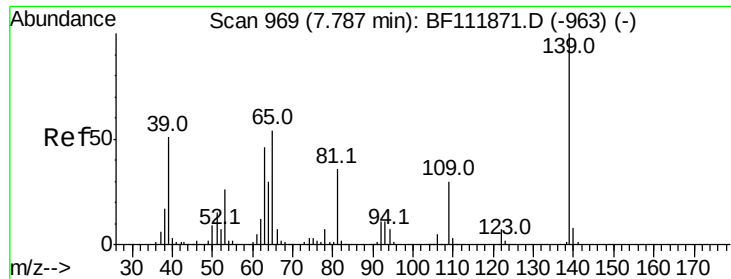
#25
Isophorone
Concen: 106.267 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion: 82 Resp: 103769
Ion Ratio Lower Upper
82 100
95 173.6 5.8 8.6#
138 9.0 14.4 21.6#



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

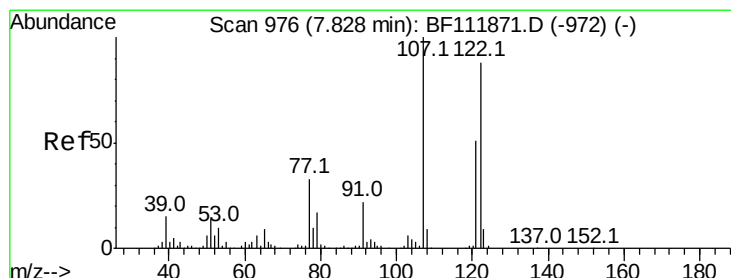
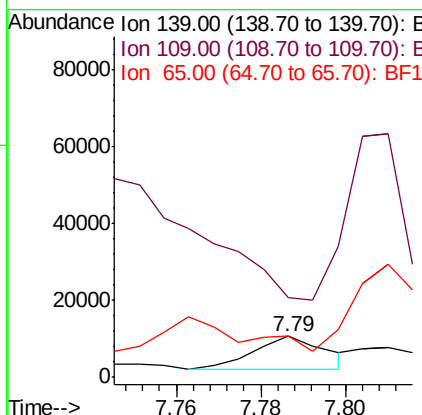
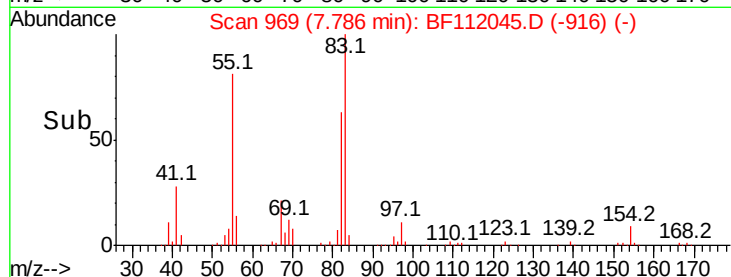
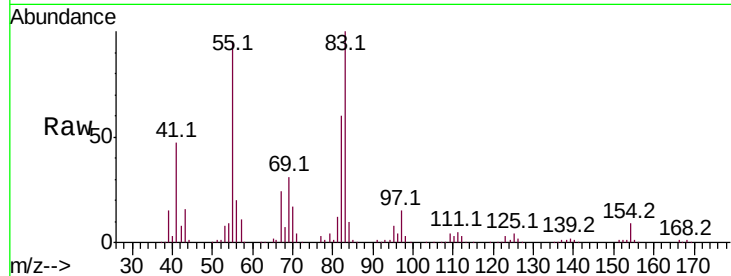




#26
2-Nitrophenol
Concen: 33.853 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

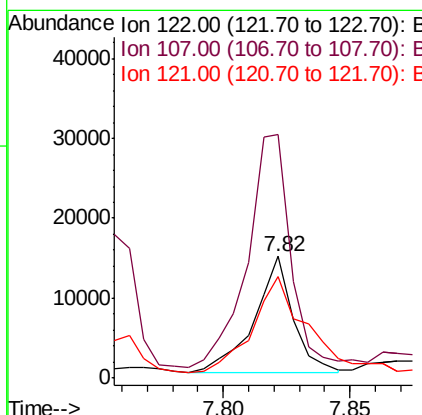
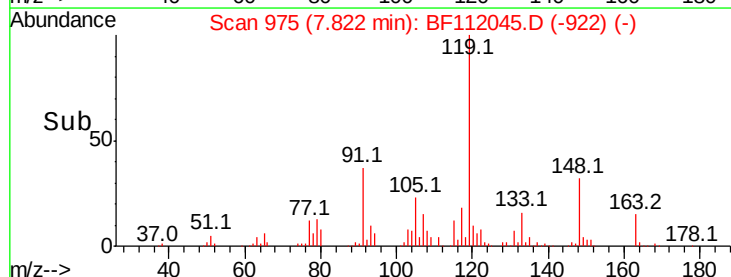
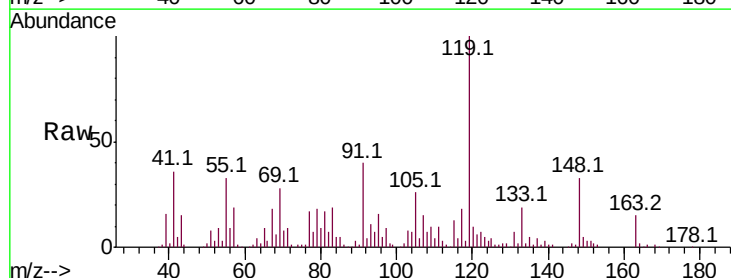
Instrument :
BNA_F
ClientSampleId :

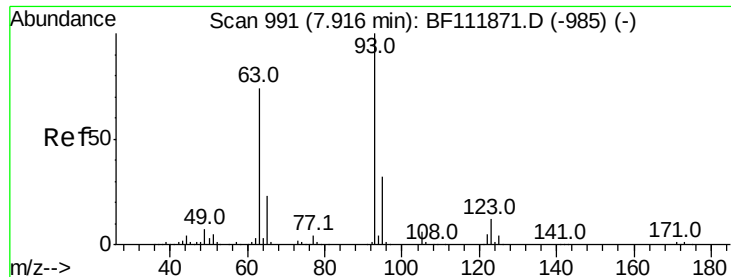
Tot Ion	Ratio	Lower	Upper
139	100		
109	194.7	24.1	36.1#
65	102.3	43.6	65.4#



#27
2,4-Dimethylphenol
Concen: 36.149 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion	Ratio	Lower	Upper
122	100		
107	200.5	91.0	136.6#
121	84.0	46.8	70.2#

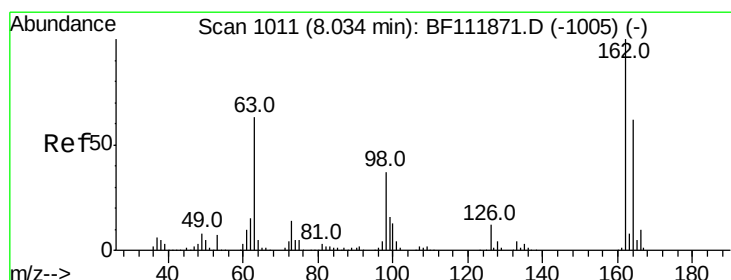
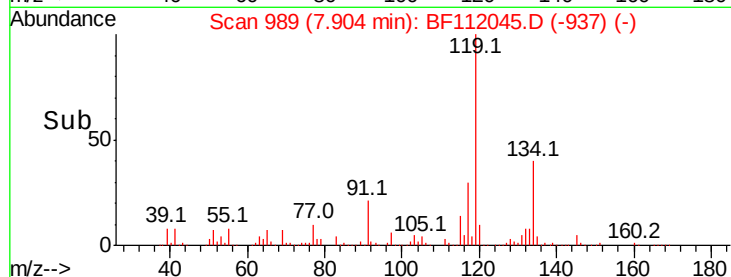
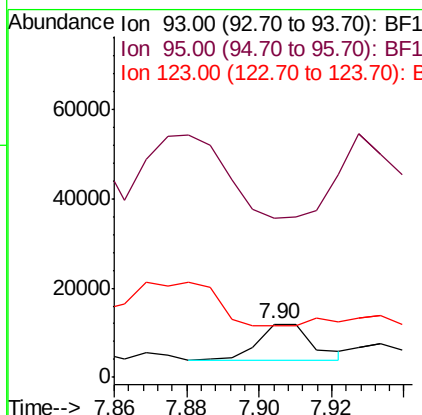
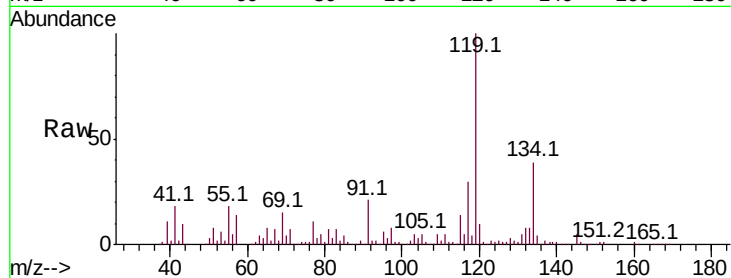




#28
 bis(2-Chloroethoxy)methane
 Concen: 12.530 ng
 RT: 7.90 min Scan# 989
 Delta R.T. 0.01 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

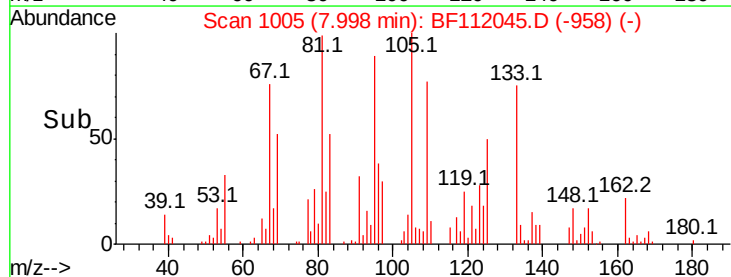
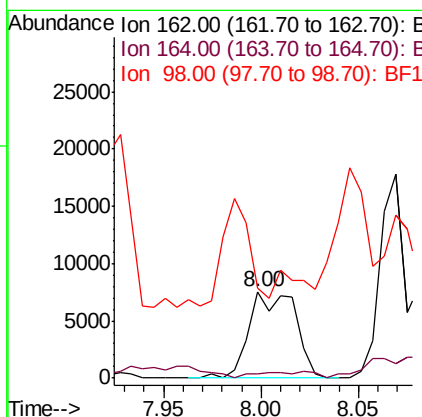
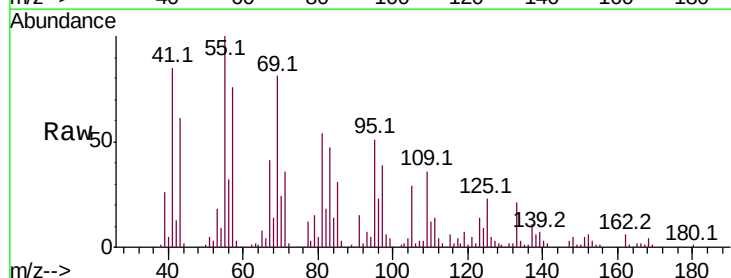
Instrument :
 BNA_F
 ClientSampleId :

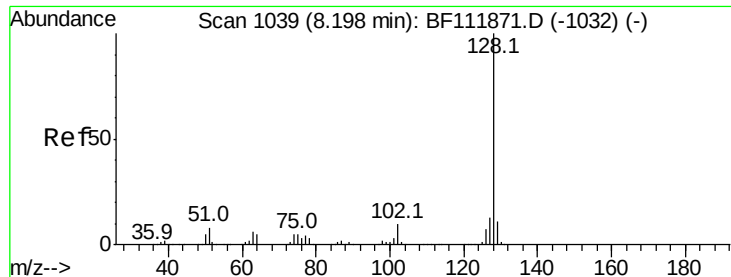
Tot Ion: 93 Resp: 8167
 Ion Ratio Lower Upper
 93 100
 95 299.9 25.8 38.6#
 123 97.1 9.5 14.3#



#29
 2,4-Dichlorophenol
 Concen: 24.741 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. -0.02 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

Tgt Ion: 162 Resp: 12355
 Ion Ratio Lower Upper
 162 100
 164 5.1 42.1 82.1#
 98 103.8 17.2 57.2#





#31

Naphthalene

Concen: 12.939 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

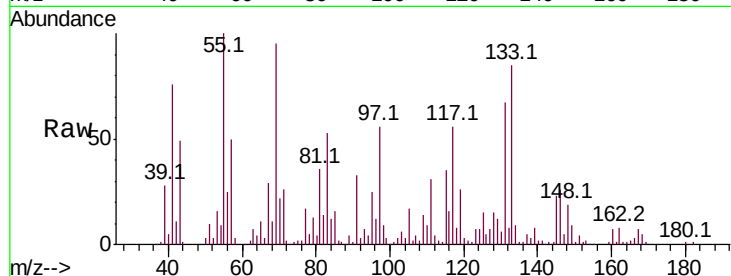
Tot Ion:128 Resp: 19795

Ion Ratio Lower Upper

128 100

129 81.0 9.0 13.4#

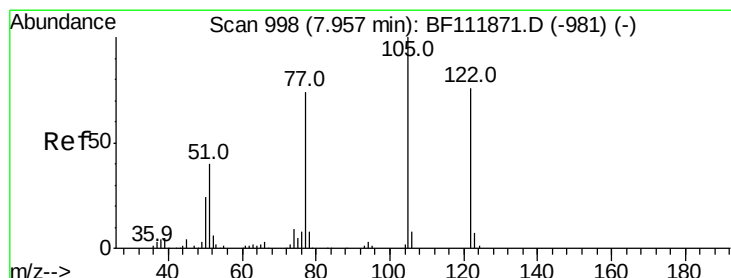
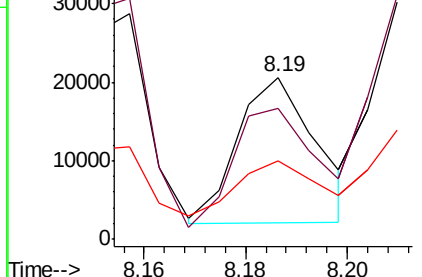
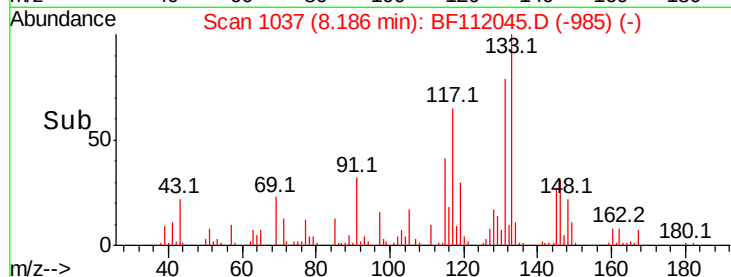
127 48.8 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 41.682 ng

RT: 7.96 min Scan# 998

Delta R.T. 0.02 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

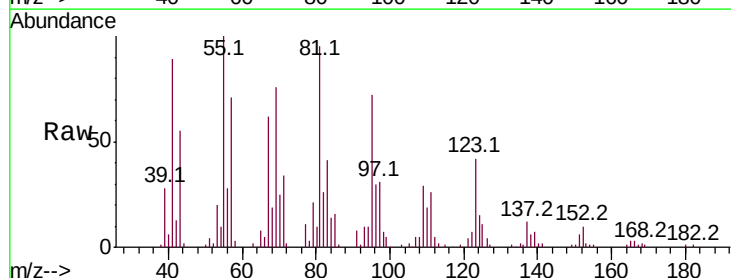
Tgt Ion:122 Resp: 11747

Ion Ratio Lower Upper

122 100

105 28.0 107.9 147.9#

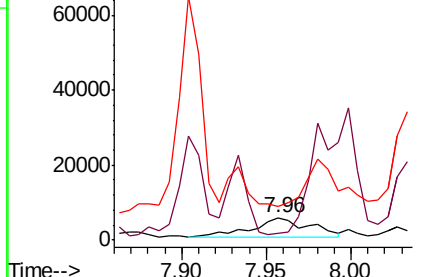
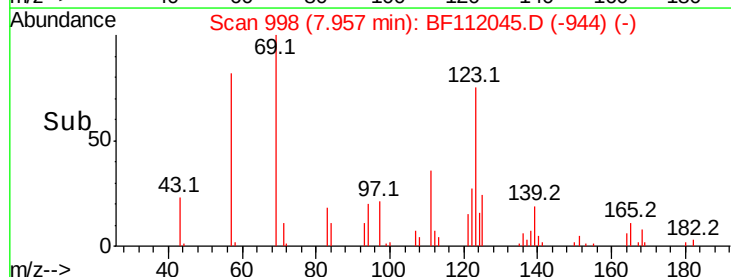
77 152.3 76.6 116.6#

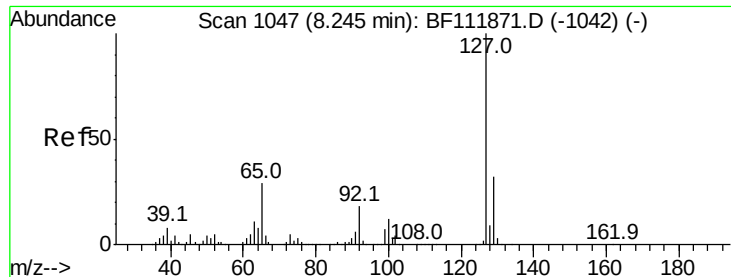


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

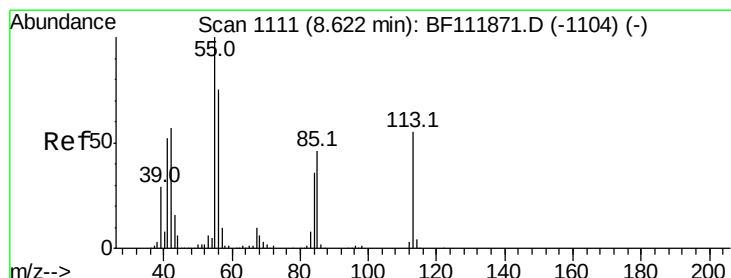
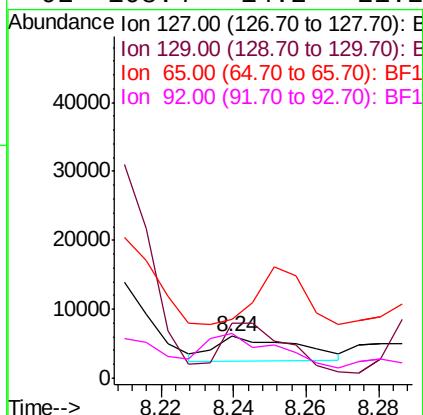
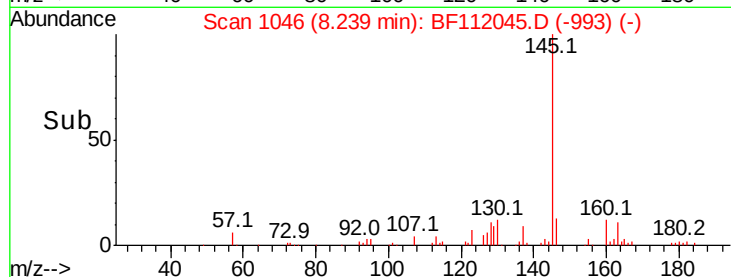
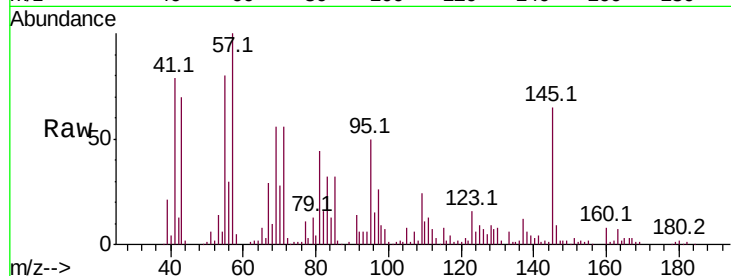




#33
4-Chloroaniline
Concen: 8.720 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

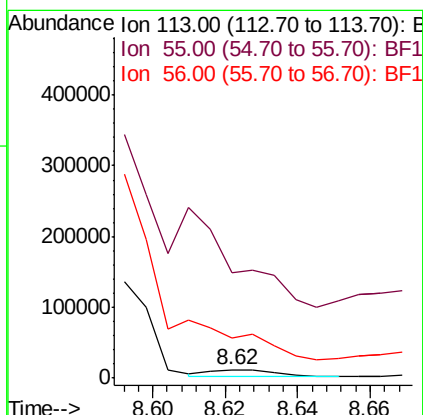
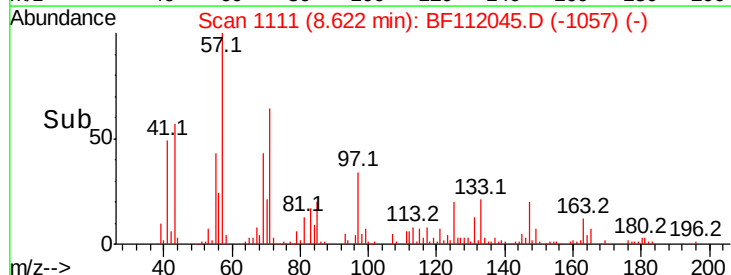
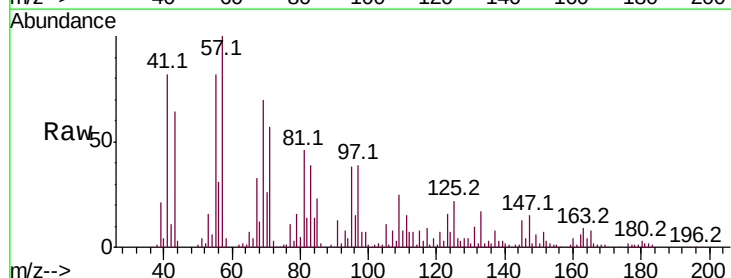
Instrument :
BNA_F
ClientSampleId :

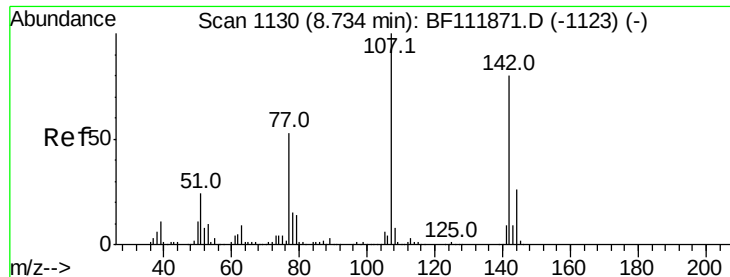
Tot Ion:127 Resp: 5767
Ion Ratio Lower Upper
127 100
129 130.5 25.8 38.6#
65 140.5 23.5 35.3#
92 108.4 14.2 21.2#



#35
Caprolactam
Concen: 63.110 ng
RT: 8.62 min Scan# 1111
Delta R.T. 0.02 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion:113 Resp: 10297
Ion Ratio Lower Upper
113 100
55 1245.5 162.0 202.0#
56 477.4 116.0 156.0#

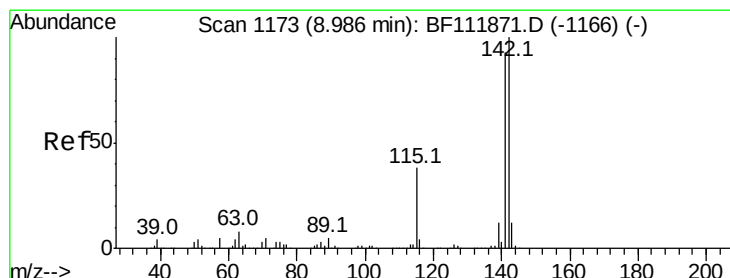
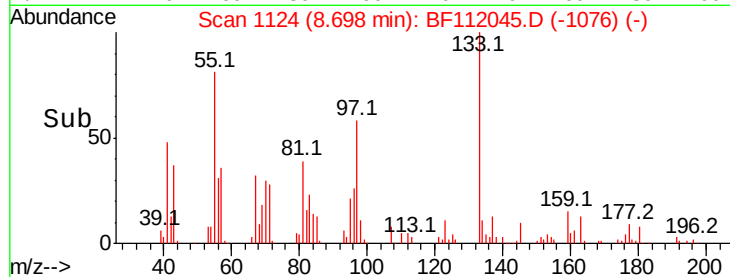
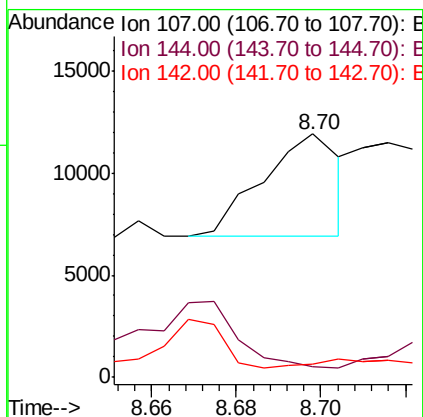
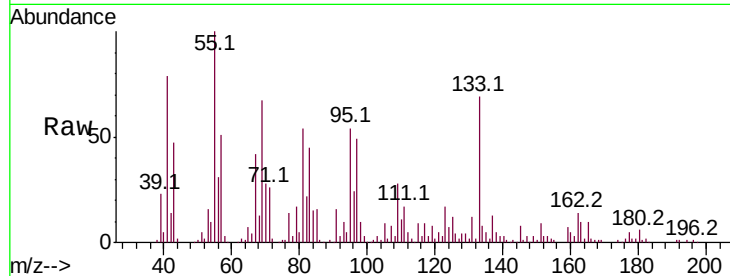




#36
4-Chloro-3-methylphenol
Concen: 12.819 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

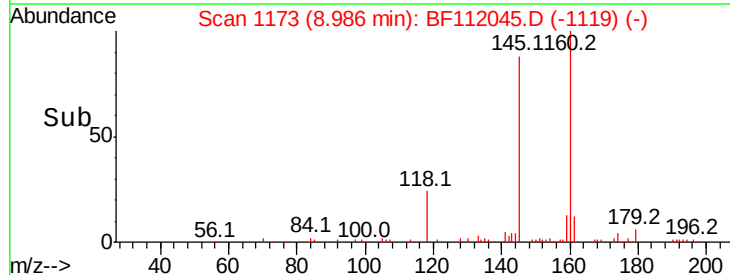
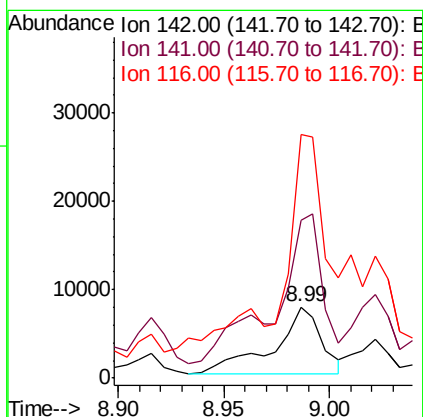
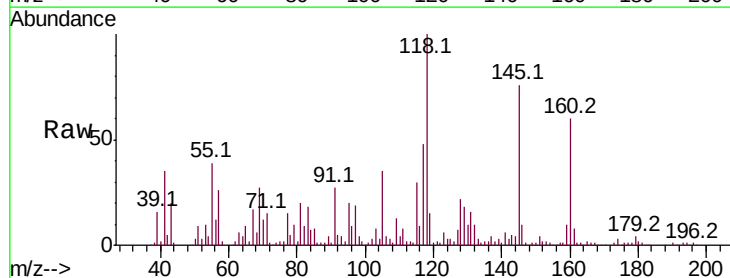
Instrument :
BNA_F
ClientSampleId :

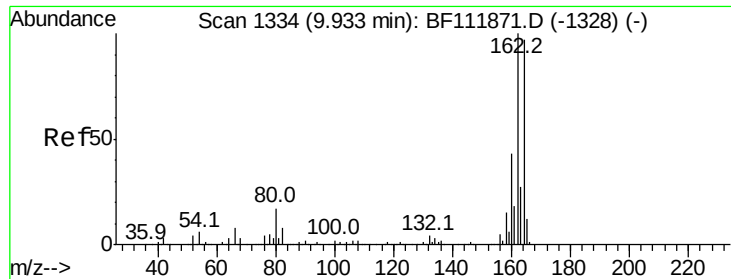
Tot Ion:107 Resp: 6365
Ion Ratio Lower Upper
107 100
144 4.2 20.7 31.1#
142 5.3 63.9 95.9#



#38
1-Methylnaphthalene
Concen: 13.371 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion:142 Resp: 12158
Ion Ratio Lower Upper
142 100
141 222.7 74.8 112.2#
116 342.9 3.1 4.7#

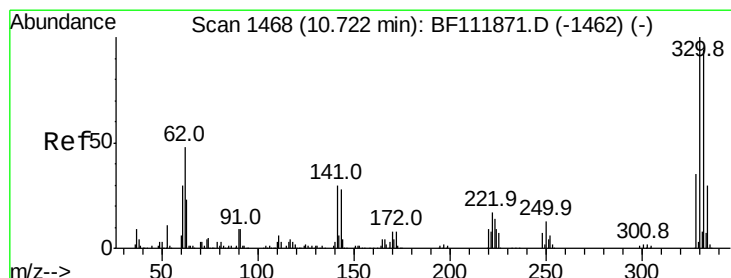
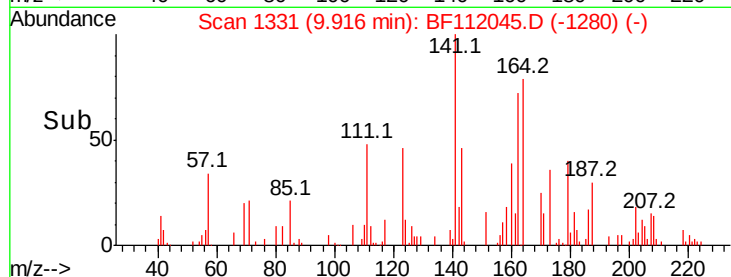
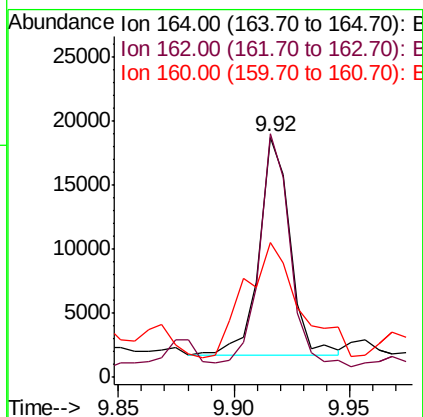
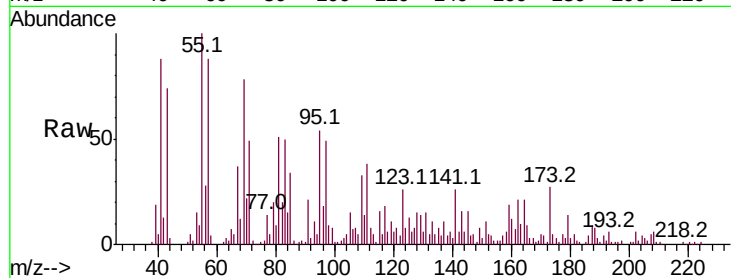




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

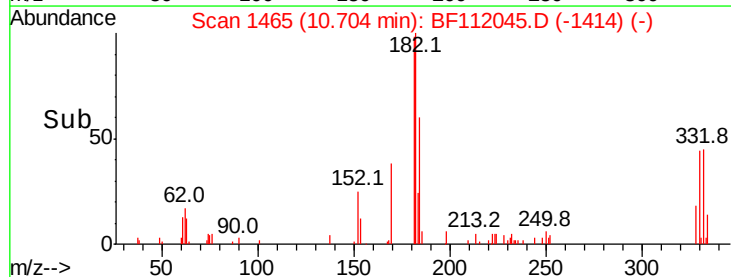
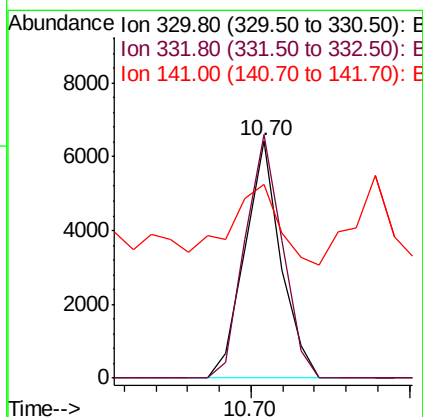
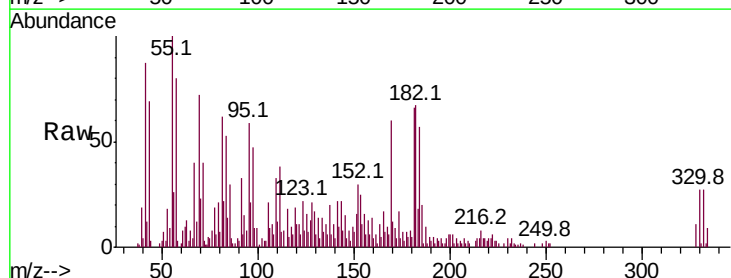
Instrument :
 BNA_F
 ClientSampleId :

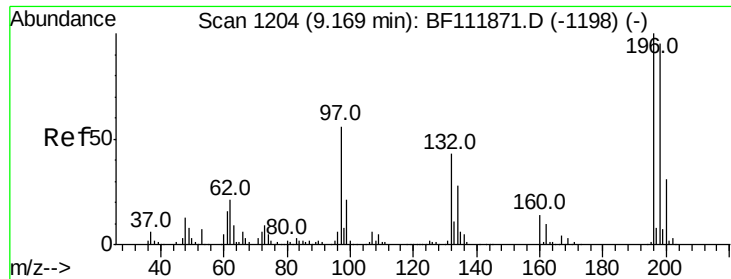
Tot Ion:164 Resp: 16097
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.2 123.2
 160 56.3 35.5 53.3#



#42
 2,4,6-Tribromophenol
 Concen: 24.277 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

Tgt Ion:330 Resp: 5083
 Ion Ratio Lower Upper
 330 100
 332 105.8 76.9 115.3
 141 45.2 23.7 35.5#





#43

2,4,6-Trichlorophenol

Concen: 18.094 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

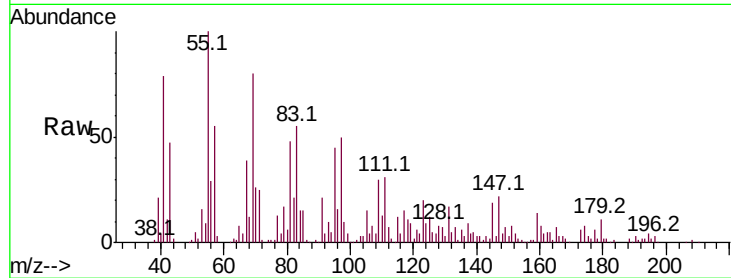
Tot Ion:196 Resp: 6298

Ion Ratio Lower Upper

196 100

198 0.0 75.8 113.8#

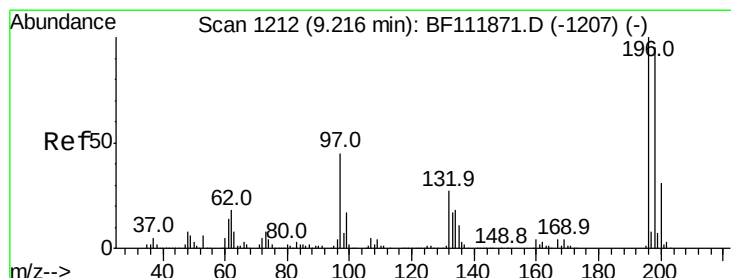
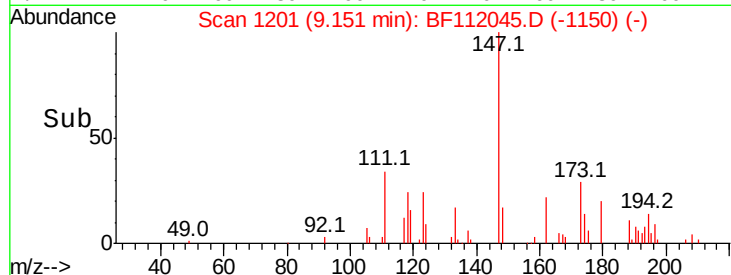
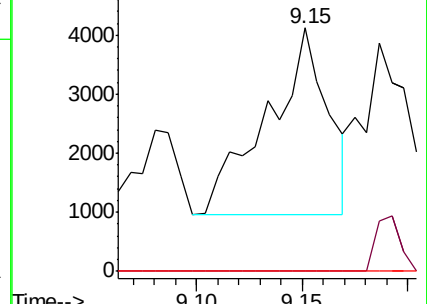
200 0.0 24.5 36.7#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 13.730 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Tgt Ion:196 Resp: 5007

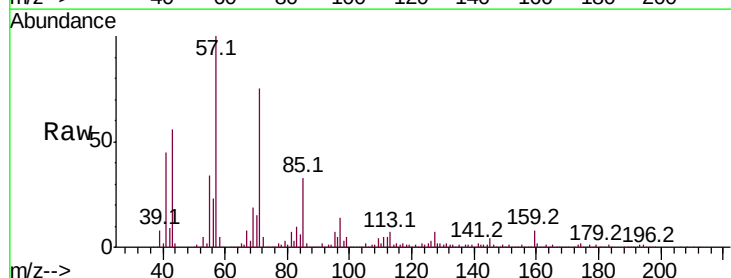
Ion Ratio Lower Upper

196 100

198 22.3 76.2 114.2#

97 3281.8 36.4 54.6#

132 126.5 21.7 32.5#

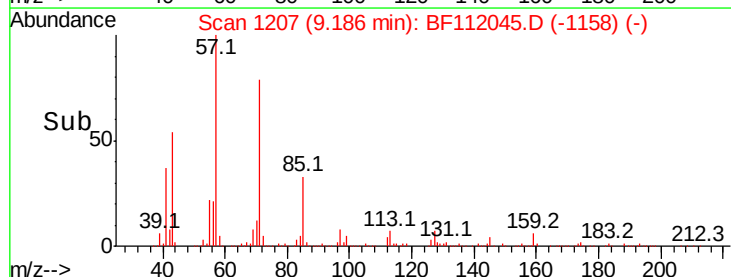
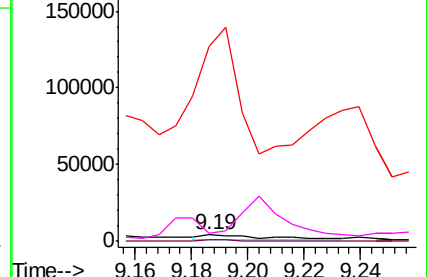


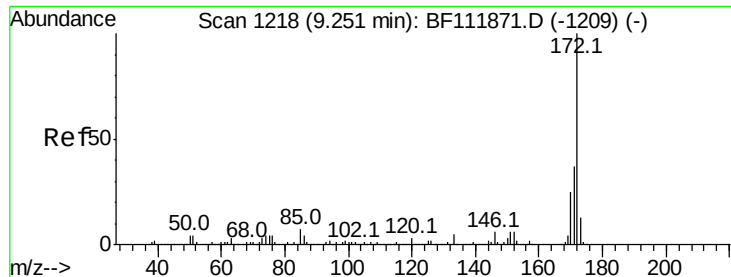
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 21.109 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

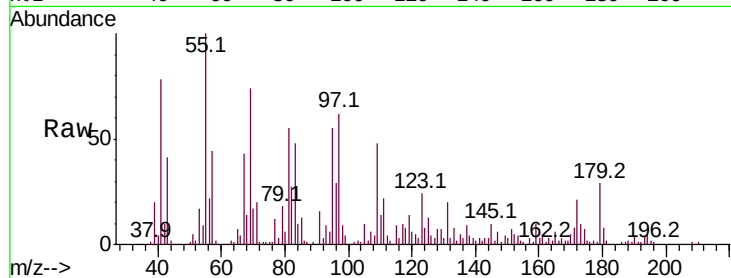
Tot Ion:172 Resp: 23302

Ion Ratio Lower Upper

172 100

171 35.5 29.6 44.4

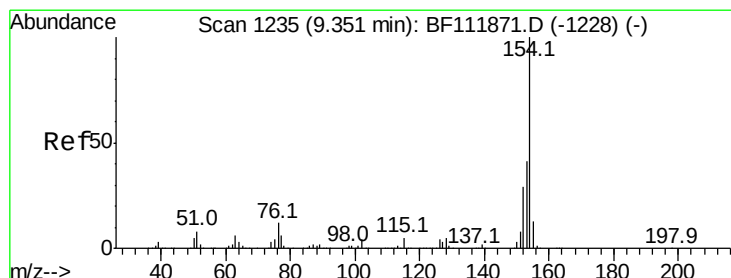
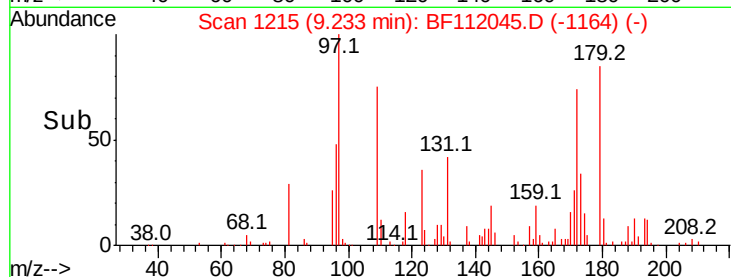
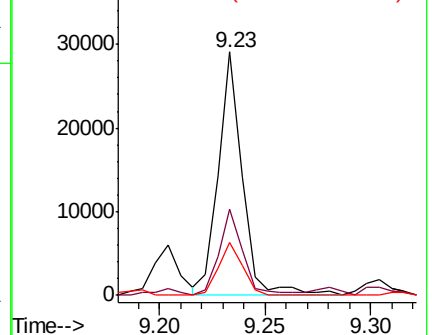
170 21.5 19.8 29.8



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: 5.742 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.26 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

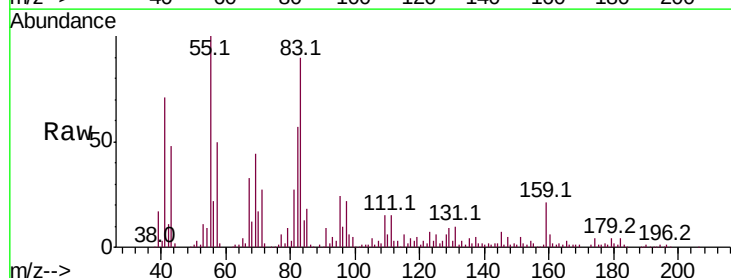
Tgt Ion:154 Resp: 7732

Ion Ratio Lower Upper

154 100

153 39.5 21.3 61.3

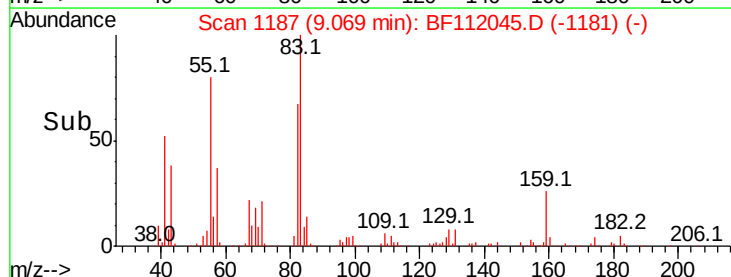
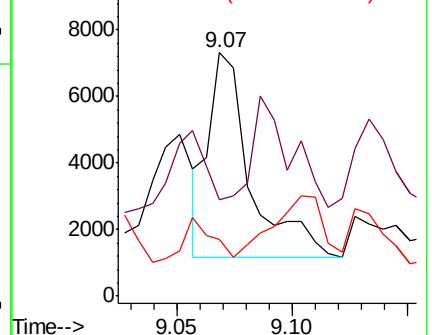
76 23.3 0.0 32.3

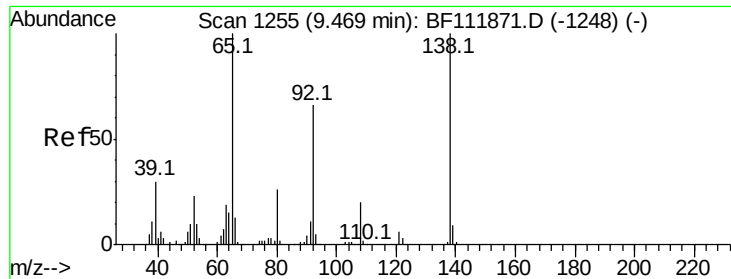


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#48

2-Nitroaniline

Concen: 8.425 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.02 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

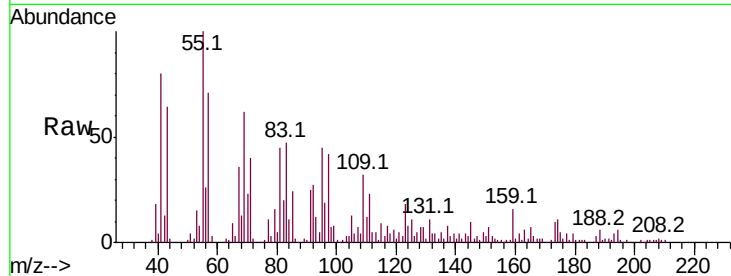
Tot Ion: 65 Resp: 2722

Ion Ratio Lower Upper

65 100

92 303.3 52.5 78.7#

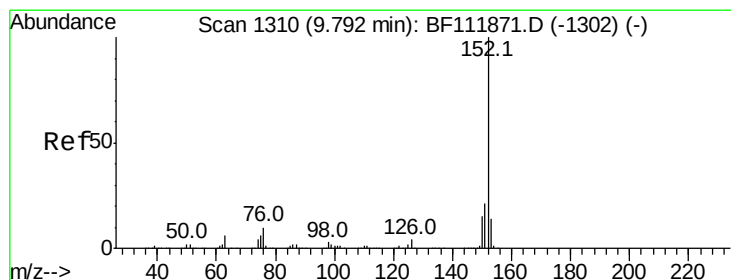
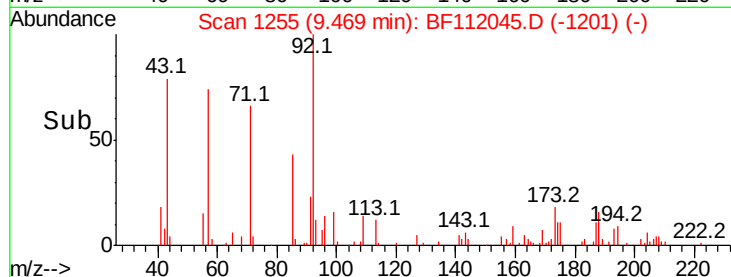
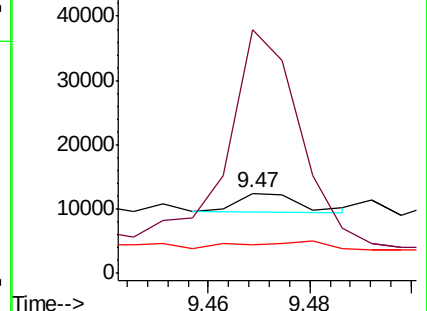
138 35.7 79.8 119.6#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Acenaphthylene

Concen: 8.919 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

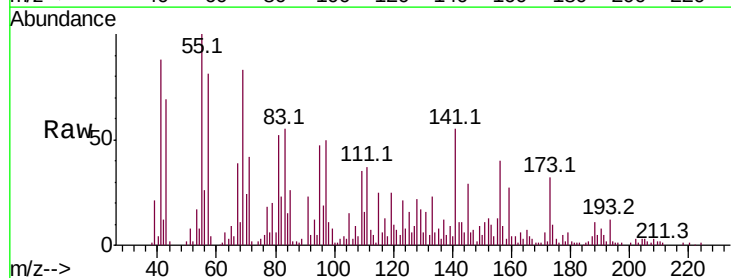
Tgt Ion: 152 Resp: 13934

Ion Ratio Lower Upper

152 100

151 80.4 16.6 25.0#

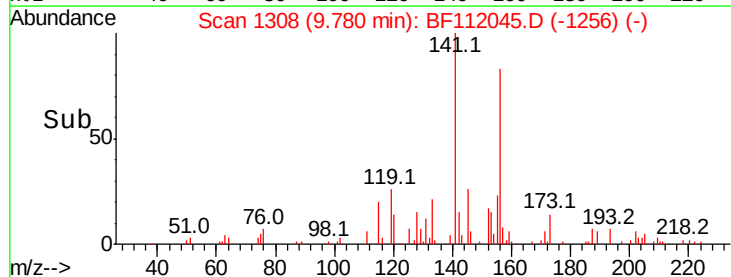
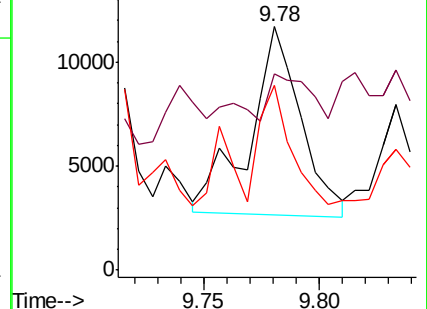
153 75.7 11.0 16.4#

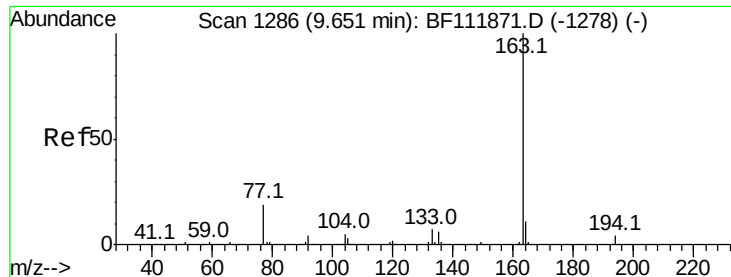


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

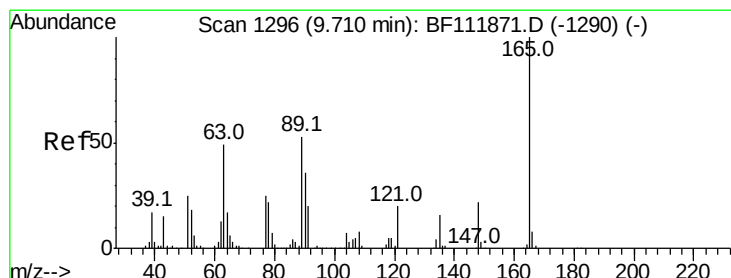
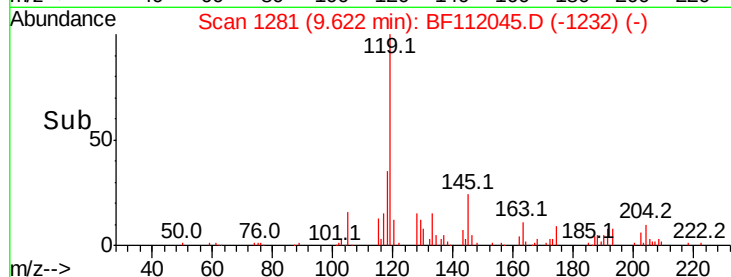
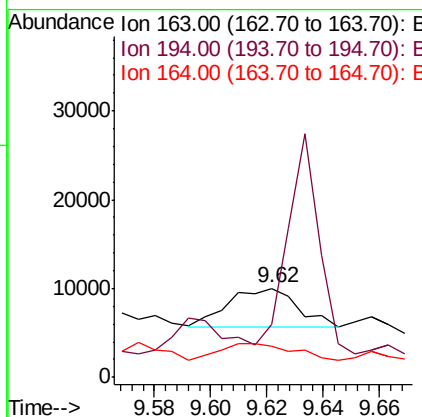
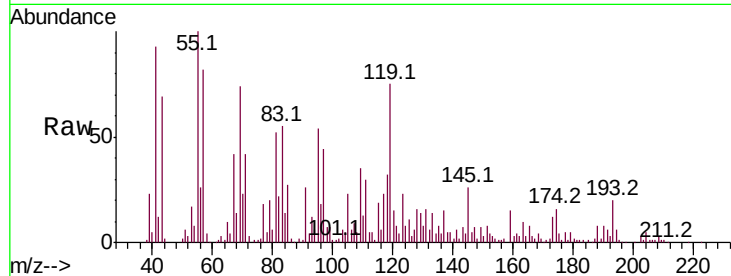




#50
Dimethylphthalate
Concen: 5.931 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

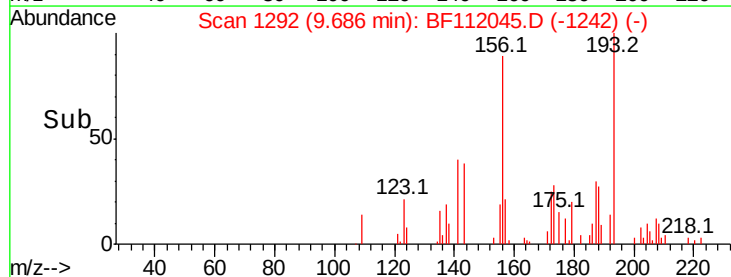
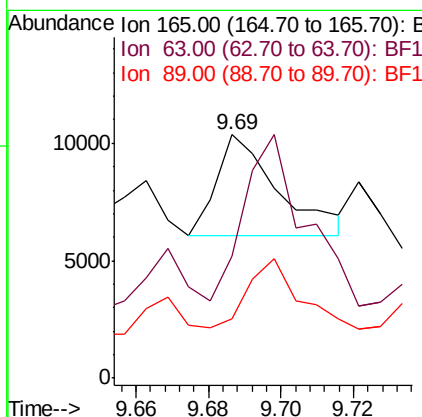
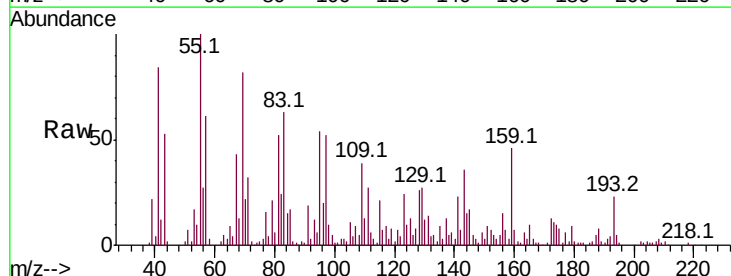
Instrument :
BNA_F
ClientSampleId :

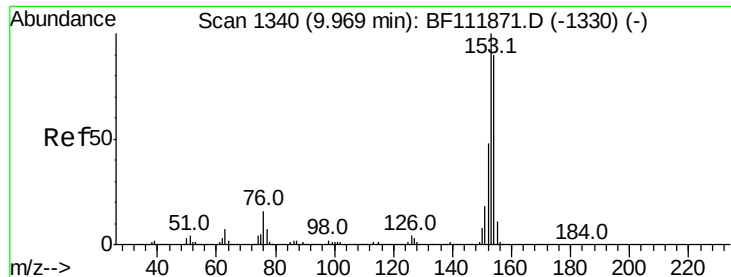
Tot Ion:163 Resp: 7172
Ion Ratio Lower Upper
163 100
194 59.6 3.4 5.2#
164 34.8 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 18.735 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion:165 Resp: 5066
Ion Ratio Lower Upper
165 100
63 50.2 46.2 69.2
89 24.4 42.2 63.2#





#52

Acenaphthene

Concen: 85.261 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

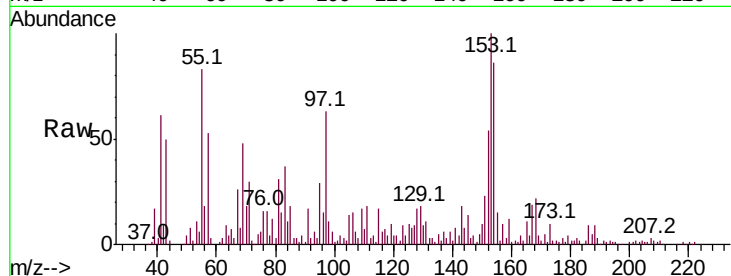
Tot Ion:154 Resp: 85876

Ion Ratio Lower Upper

154 100

153 116.5 89.4 134.0

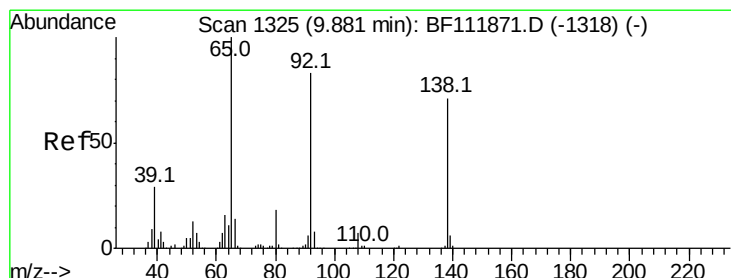
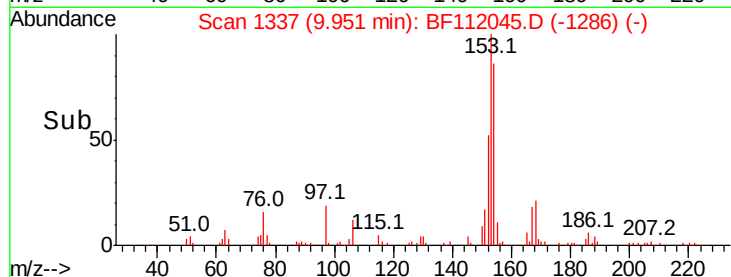
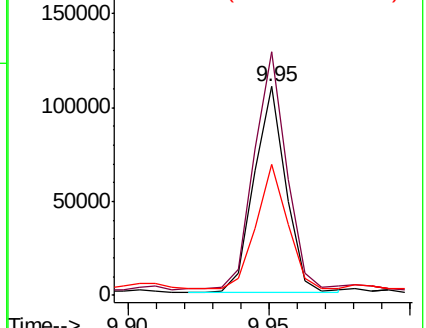
152 62.7 43.1 64.7



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: 11.441 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

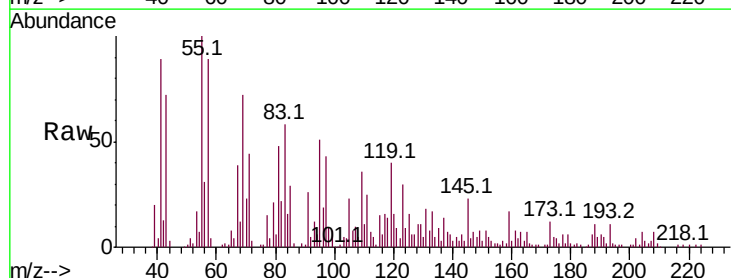
Tgt Ion:138 Resp: 3313

Ion Ratio Lower Upper

138 100

108 64.0 8.2 12.4#

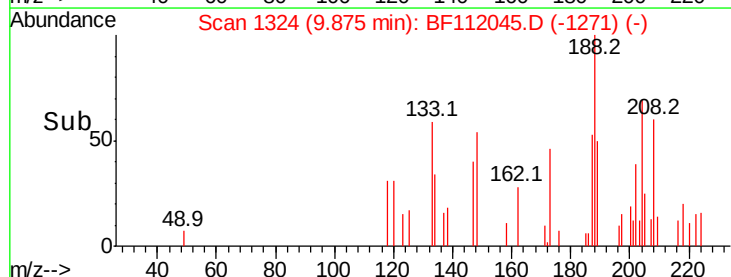
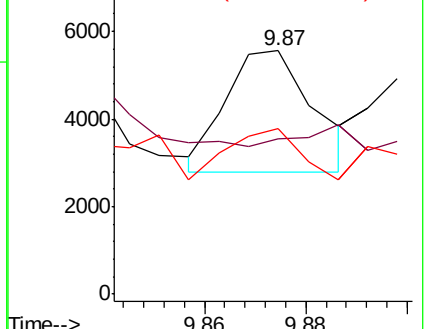
92 68.2 93.5 140.3#

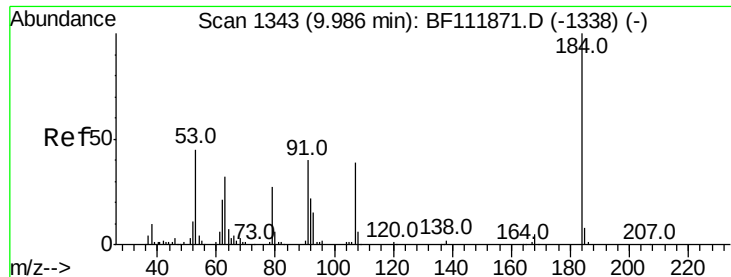


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#54

2,4-Dinitrophenol

Concen: 2.157 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

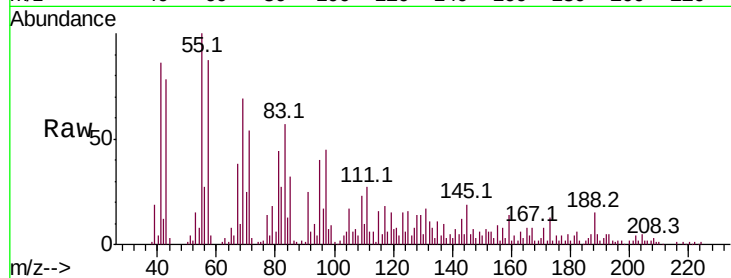
Tot Ion:184 Resp: 247

Ion Ratio Lower Upper

184 100

63 675.4 46.9 70.3#

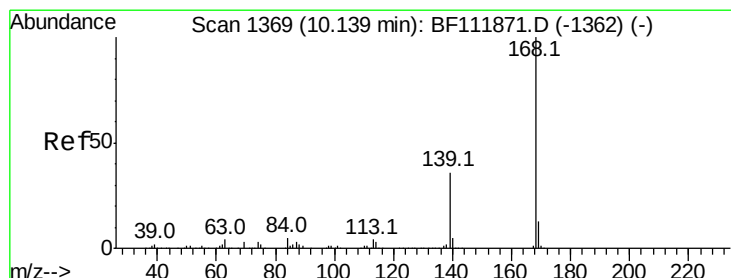
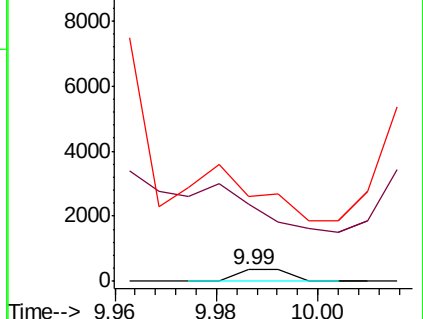
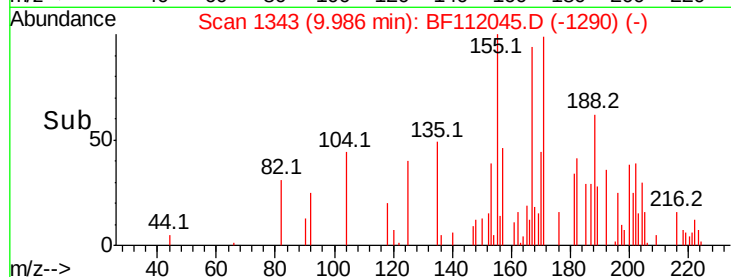
154 742.0 46.9 70.3#



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: 65.238 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

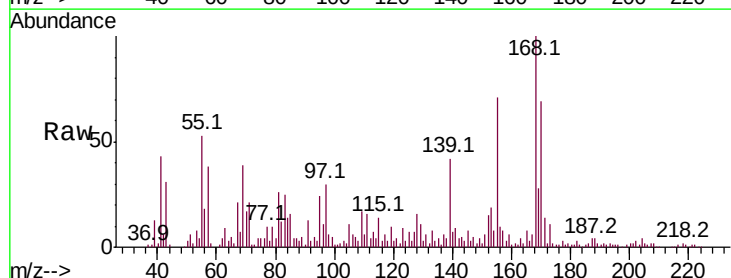
Tgt Ion:168 Resp: 95561

Ion Ratio Lower Upper

168 100

139 42.0 29.3 43.9

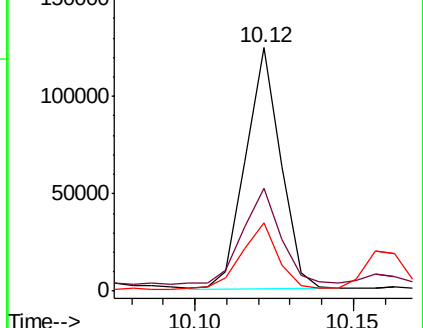
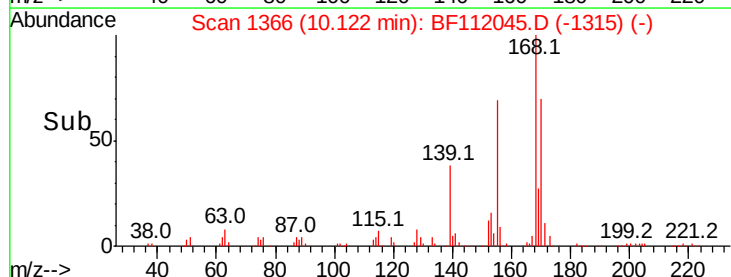
169 28.2 10.6 16.0#

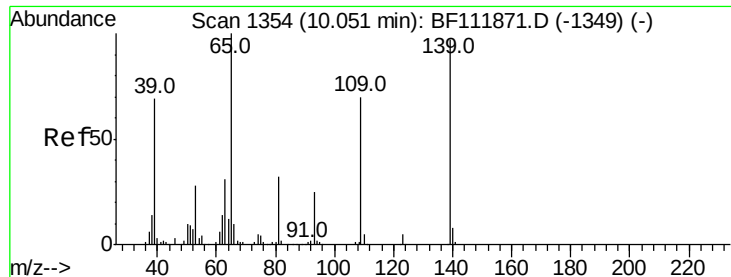


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 29.011 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

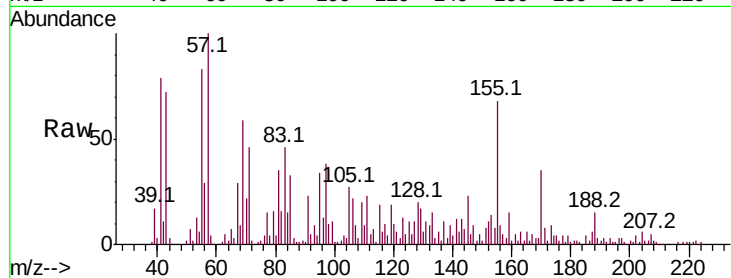
Tot Ion:139 Resp: 5936

Ion Ratio Lower Upper

139 100

109 223.4 52.2 92.2#

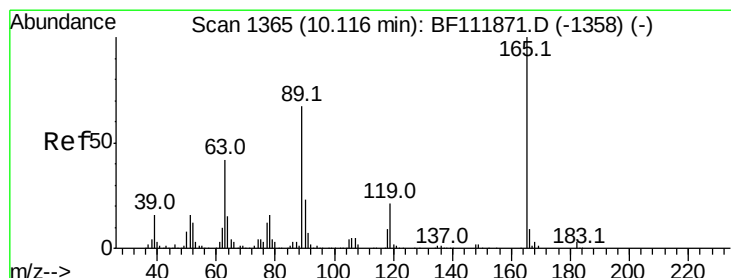
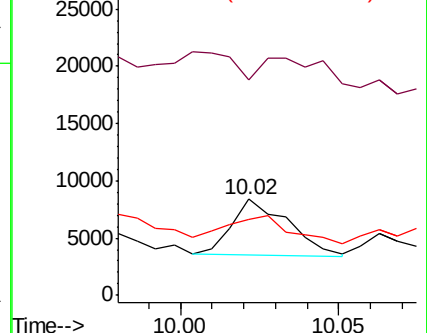
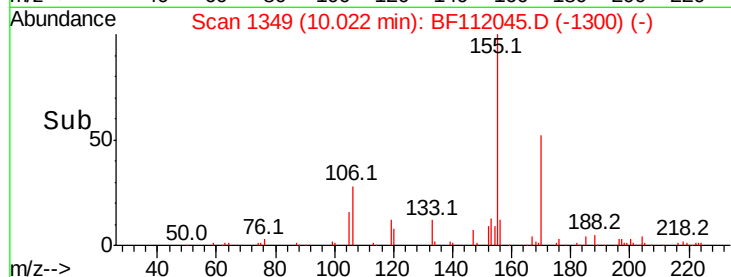
65 79.1 83.1 123.1#



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: 12.381 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Tgt Ion:165 Resp: 4326

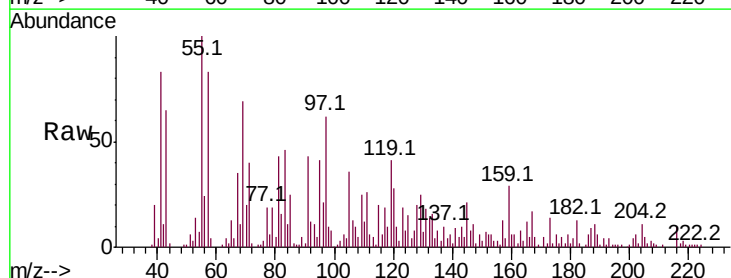
Ion Ratio Lower Upper

165 100

63 34.1 34.1 51.1

89 36.8 53.5 80.3#

182 108.3 2.0 3.0#

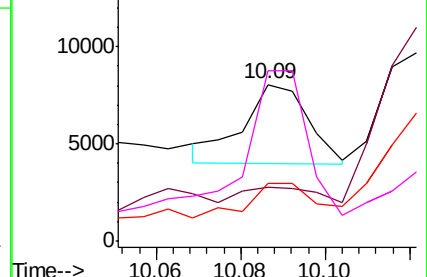
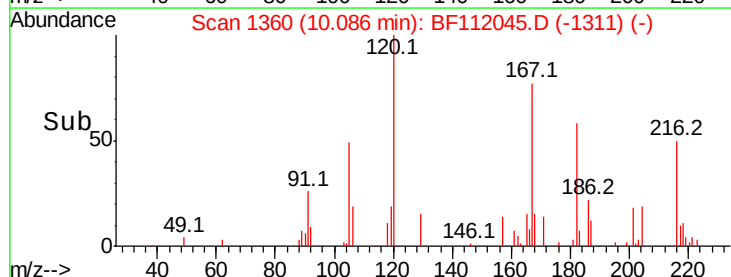


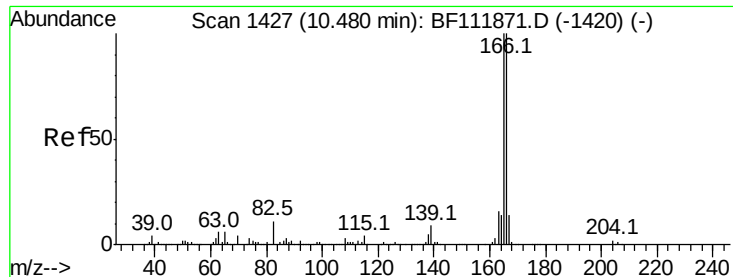
Abundance Ion 165.00 (164.70 to 165.70): E

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

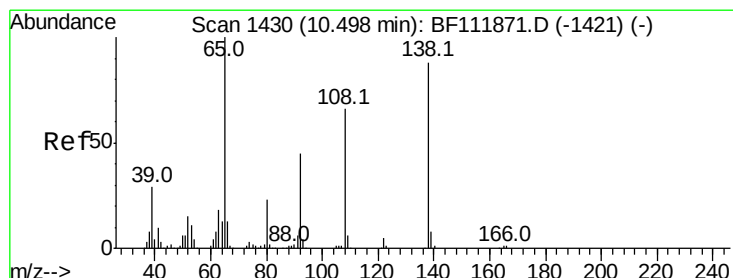
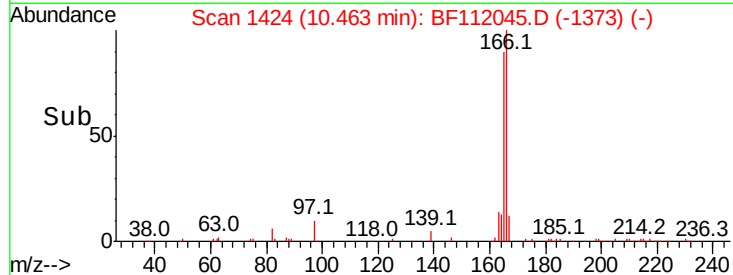
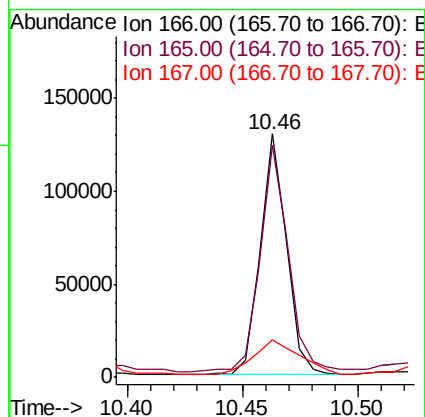
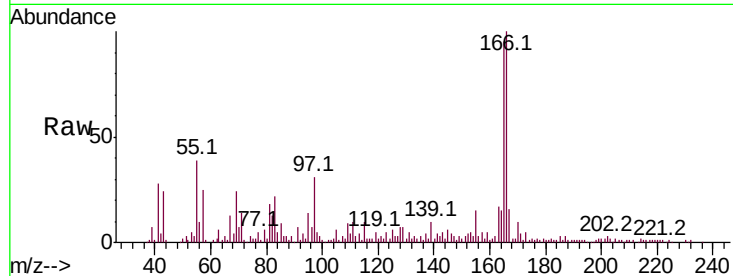




#58
Fluorene
Concen: 96.820 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

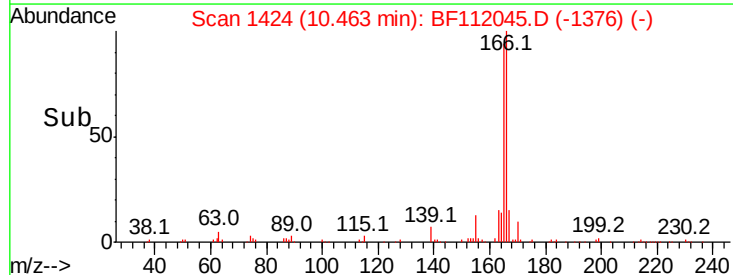
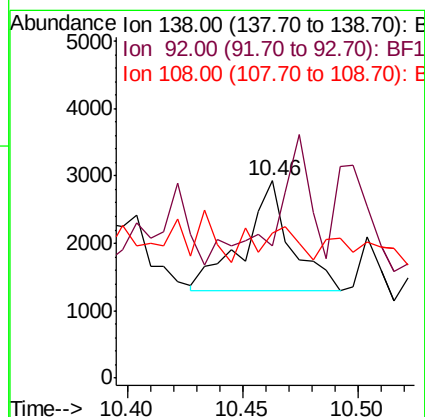
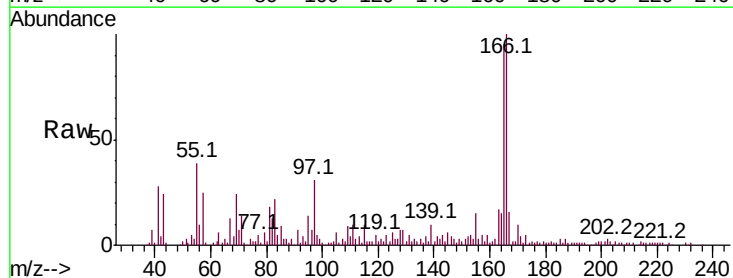
Instrument :
BNA_F
ClientSampleId :

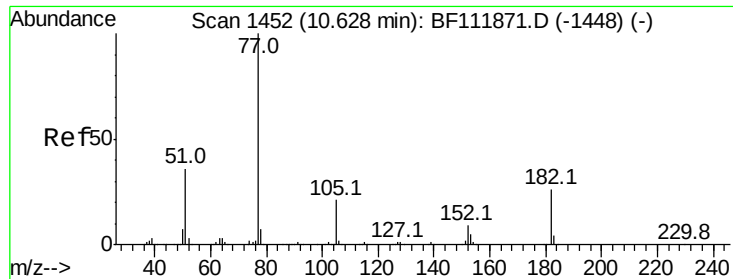
Tot Ion:166 Resp: 103196
Ion Ratio Lower Upper
166 100
165 95.2 79.7 119.5
167 15.6 11.1 16.7



#62
4-Nitroaniline
Concen: 8.468 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion:138 Resp: 2326
Ion Ratio Lower Upper
138 100
92 67.0 31.0 71.0
108 73.8 54.7 94.7





#63

Azobenzene

Concen: 3.195 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 3572

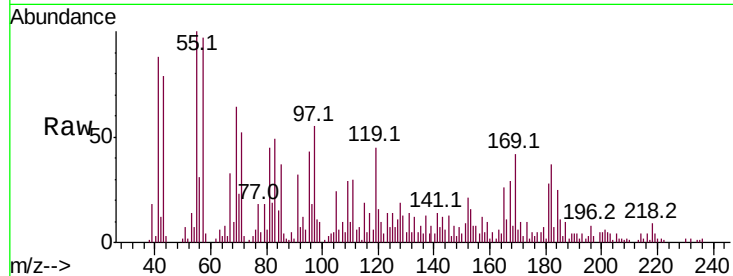
Ion Ratio Lower Upper

77 100

182 210.2 5.7 45.7#

105 137.3 0.8 40.8#

51 39.6 15.6 55.6

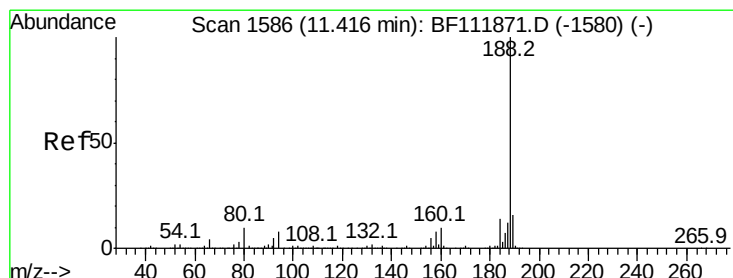
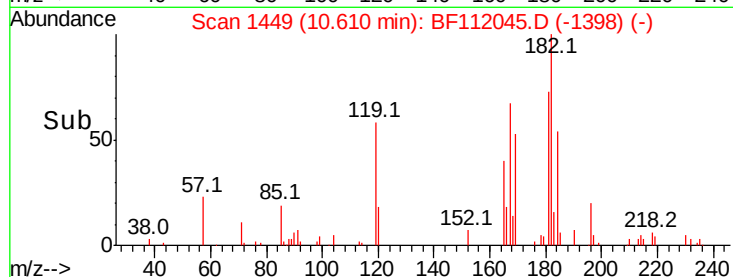
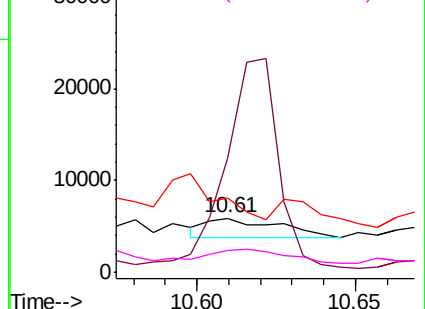


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

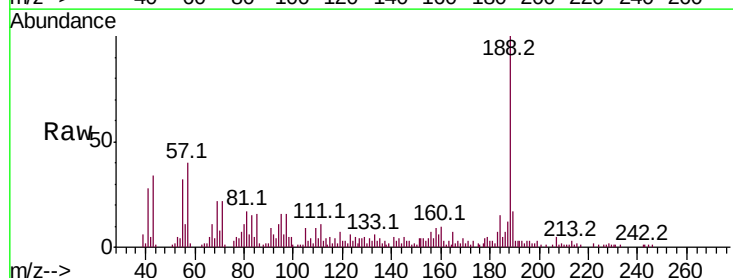
Tgt Ion:188 Resp: 30211

Ion Ratio Lower Upper

188 100

94 10.8 6.6 10.0#

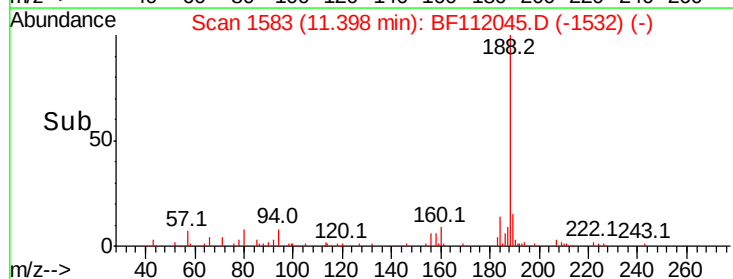
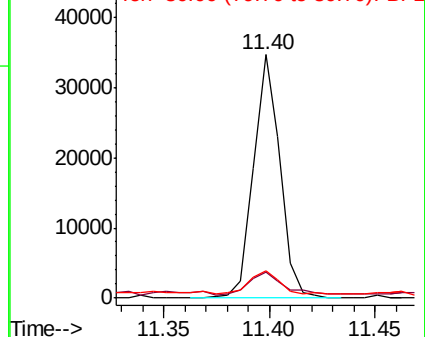
80 11.1 7.7 11.5

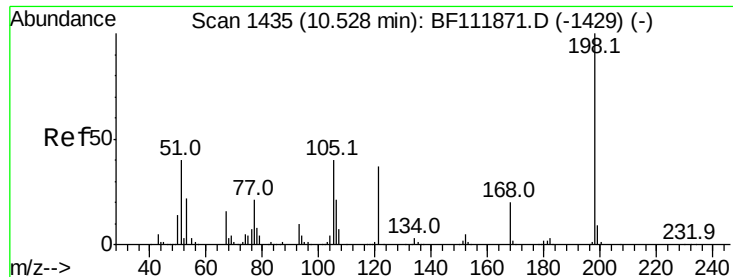


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

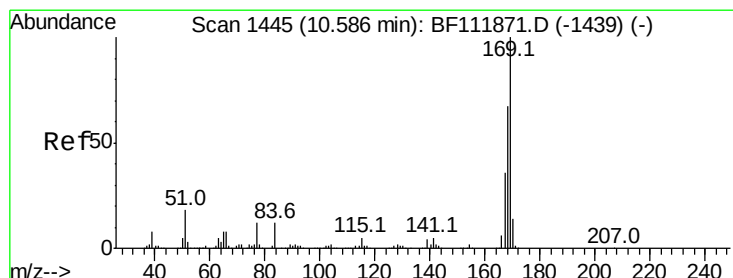
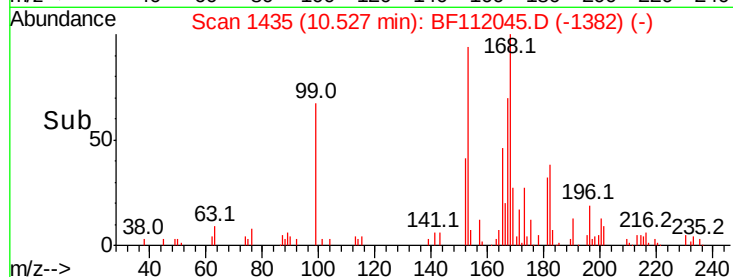
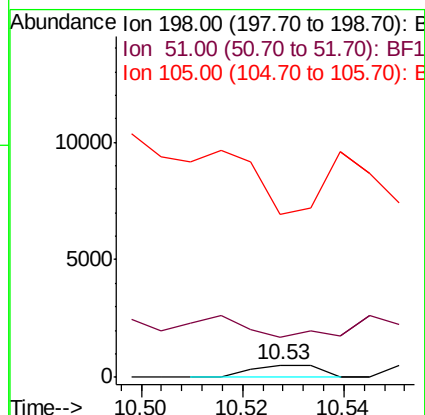
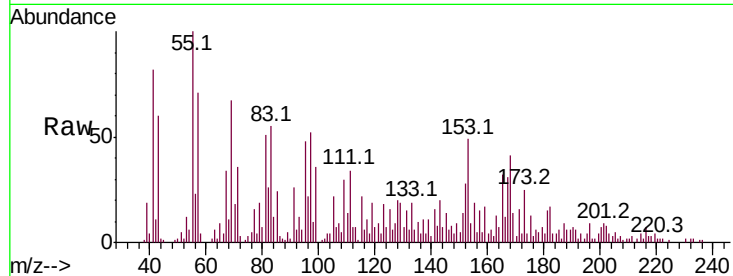




#65
4,6-Dinitro-2-methylphenol
Concen: 2.607 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

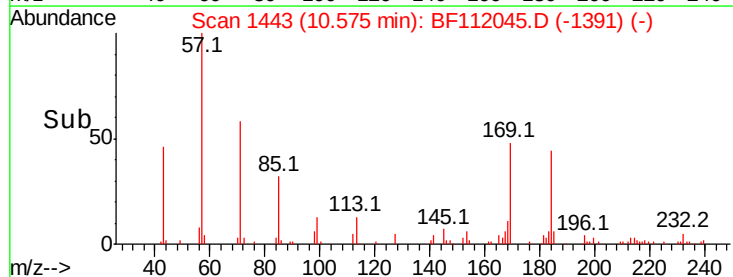
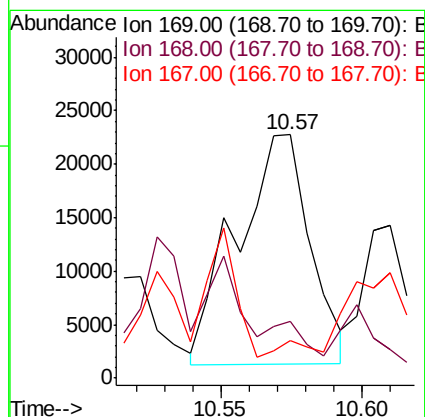
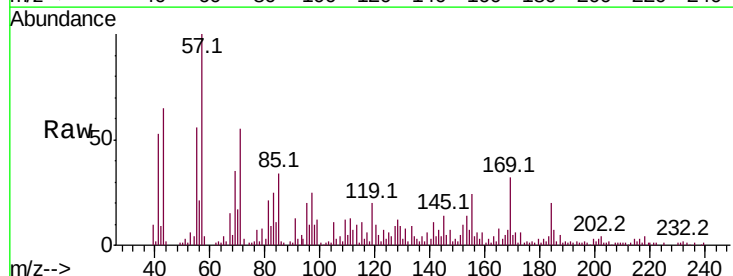
Instrument :
BNA_F
ClientSampled :

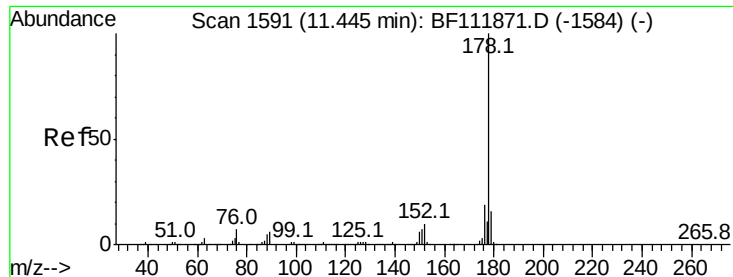
Tot Ion:198 Resp: 486
Ion Ratio Lower Upper
198 100
51 332.4 27.2 67.2#
105 1339.2 21.0 61.0#



#66
n-Nitrosodiphenylamine
Concen: 38.241 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion:169 Resp: 38769
Ion Ratio Lower Upper
169 100
168 23.3 53.8 80.6#
167 15.4 29.1 43.7#





#71

Phenanthrene

Concen: 200.024 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

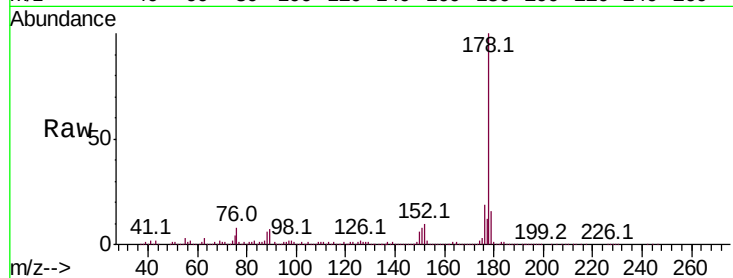
Tot Ion:178 Resp: 323085

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

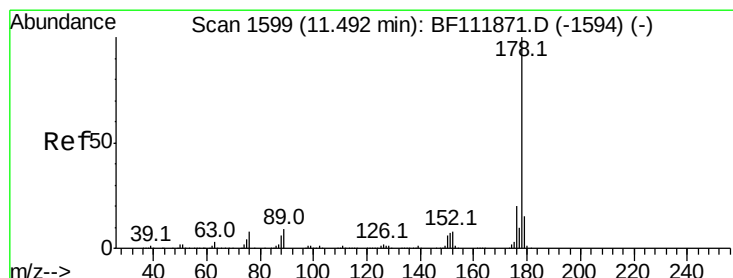
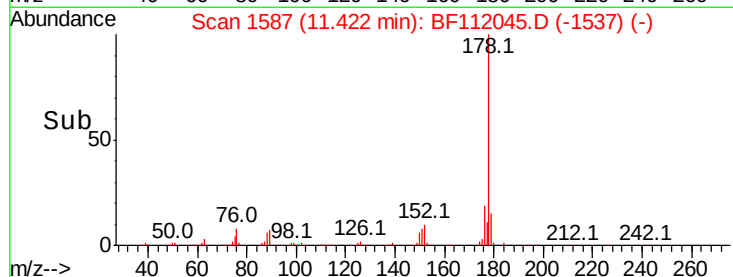
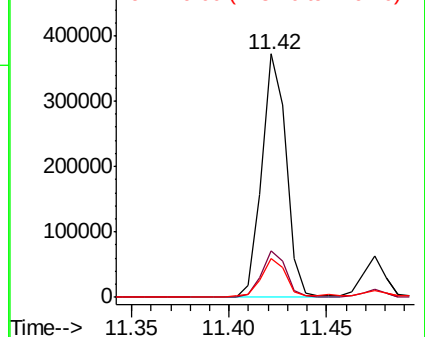
179 16.0 12.6 18.8



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: 28.866 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

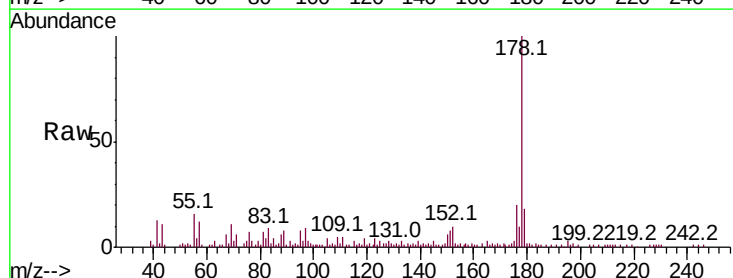
Tgt Ion:178 Resp: 47331

Ion Ratio Lower Upper

178 100

176 19.8 15.7 23.5

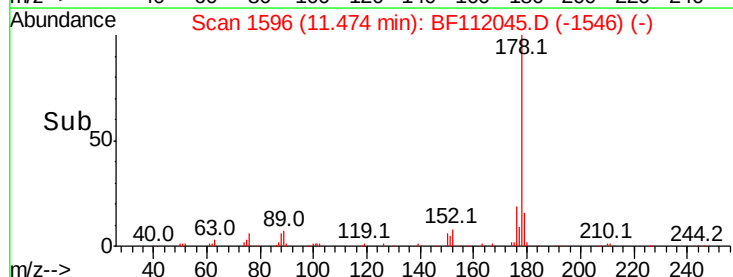
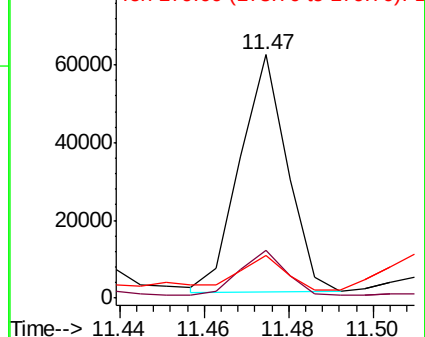
179 17.6 12.4 18.6

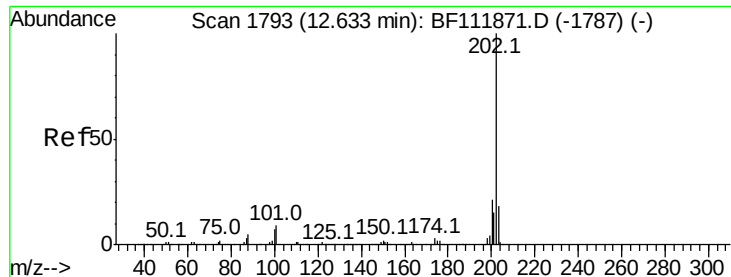


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 106.721 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

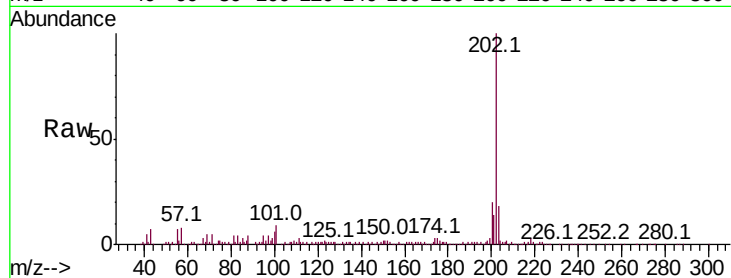
Tot Ion:202 Resp: 176963

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.3

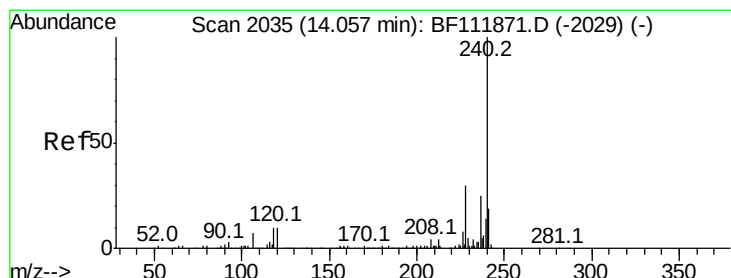
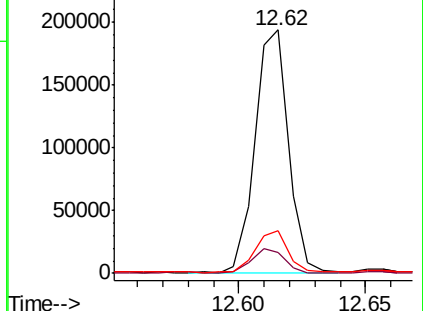
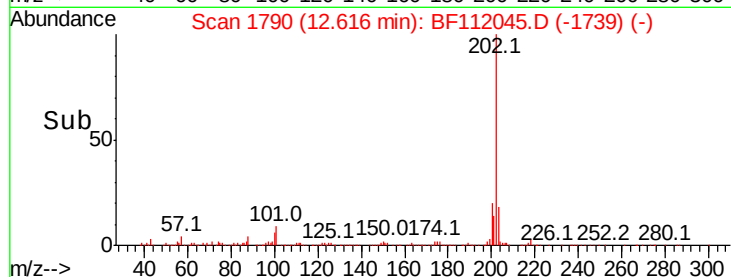
203 17.7 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

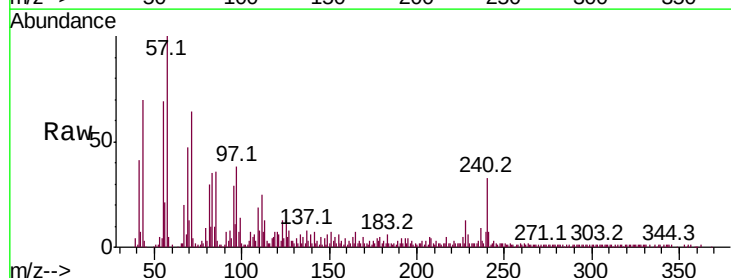
Tgt Ion:240 Resp: 23356

Ion Ratio Lower Upper

240 100

120 21.4 8.2 12.2#

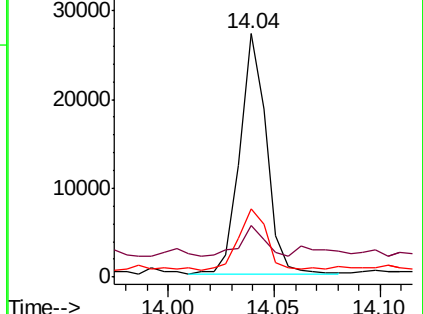
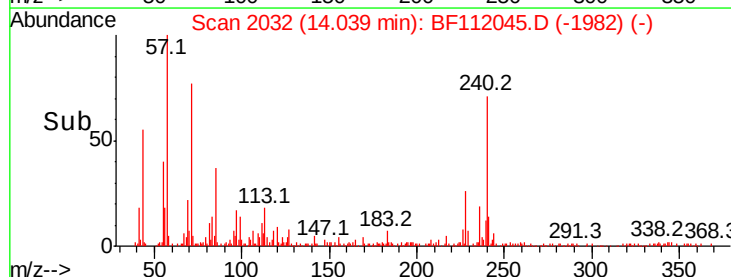
236 28.0 20.2 30.4

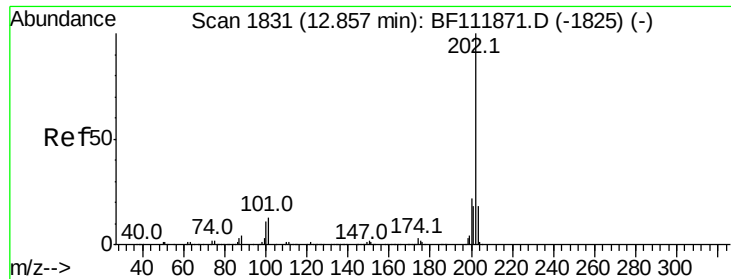


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

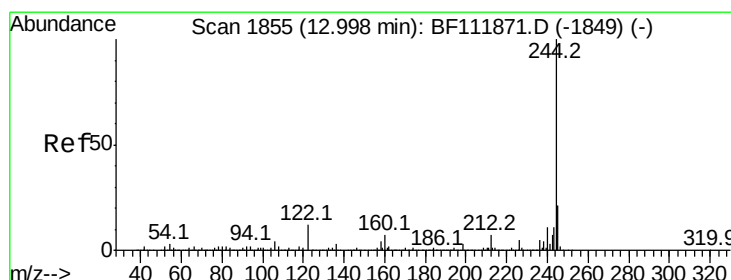
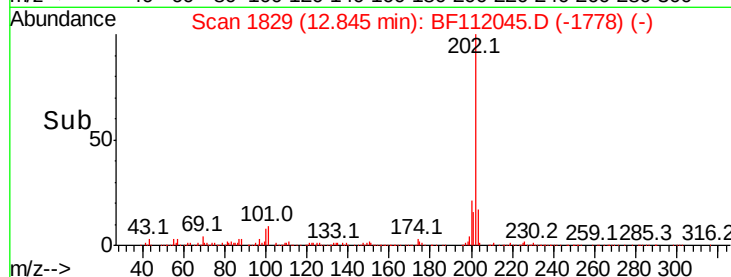
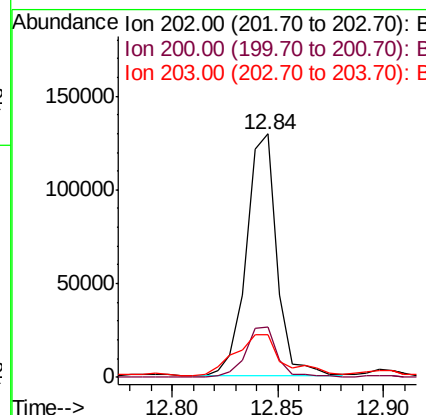
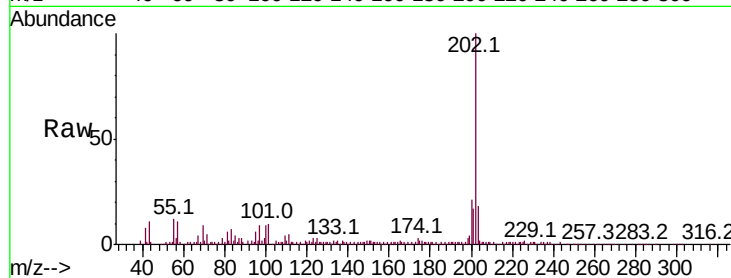




#78
Pvrene
Concen: 80.237 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

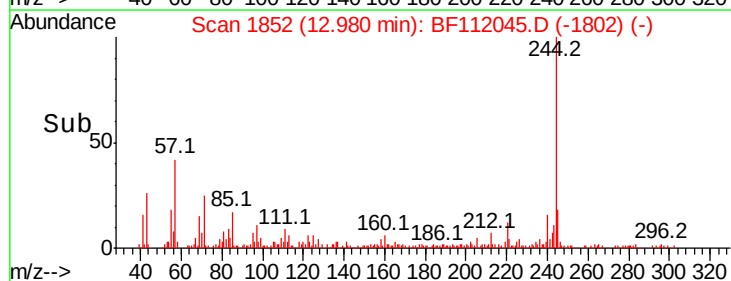
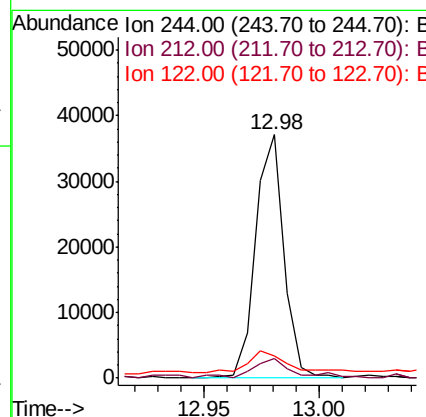
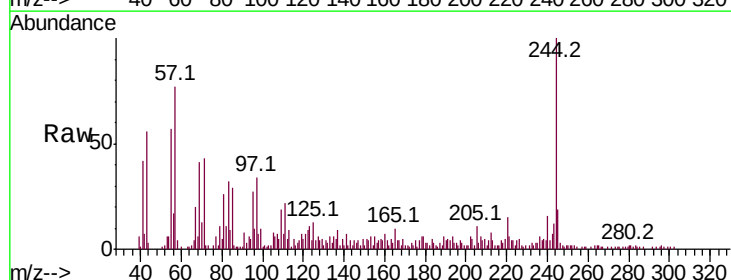
Instrument :
BNA_F
ClientSampleId :

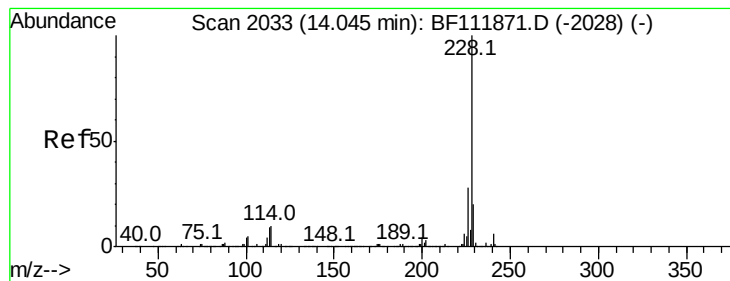
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	14.6	21.8



#79
Terphenyl-d14
Concen: 25.813 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	9.0	9.5	14.3#





#81

Benzo(a)anthracene

Concen: 22.438 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampleId :

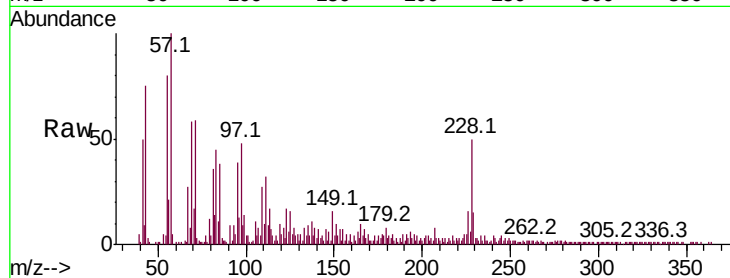
Tot Ion:228 Resp: 30160

Ion Ratio Lower Upper

228 100

226 32.0 22.2 33.2

229 30.2 16.2 24.2#

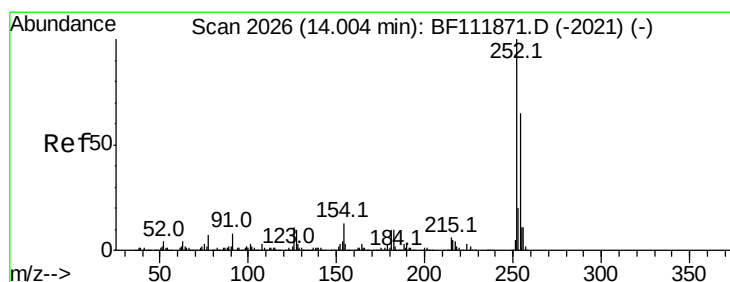
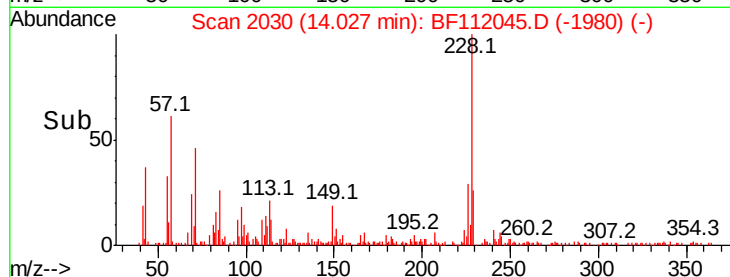
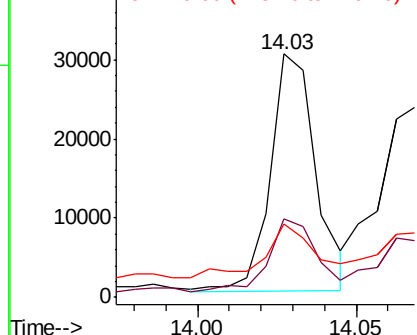


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 2.110 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

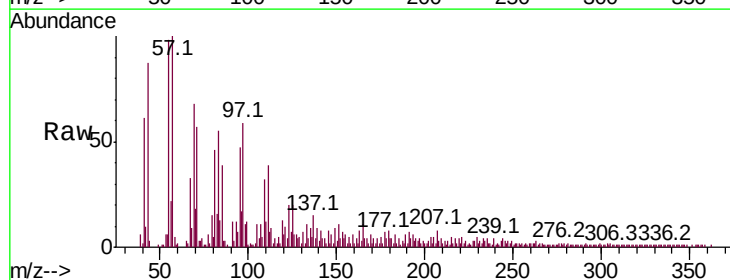
Tgt Ion:252 Resp: 1047

Ion Ratio Lower Upper

252 100

254 74.7 52.1 78.1

126 304.7 8.6 12.8#

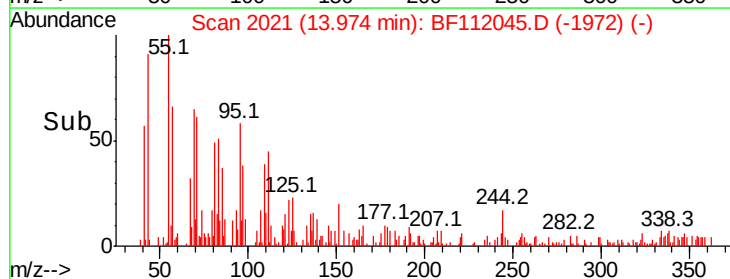
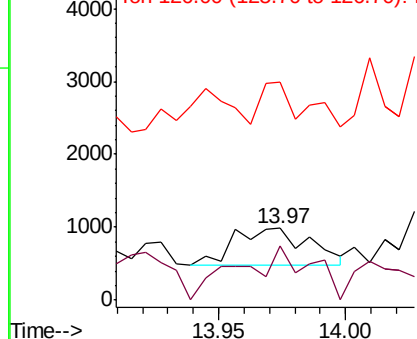


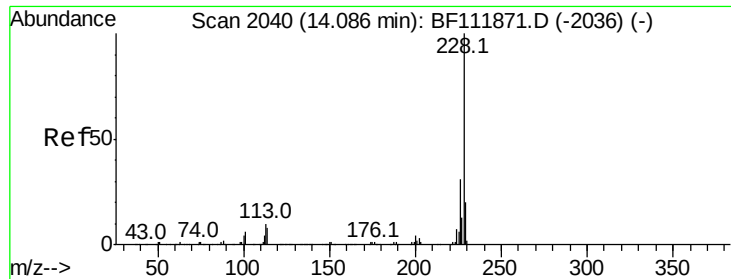
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 21.370 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

Instrument :

BNA_F

ClientSampled :

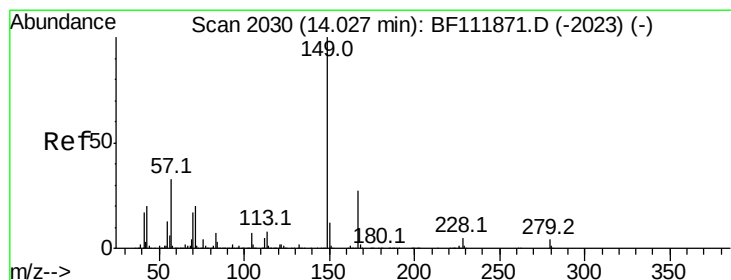
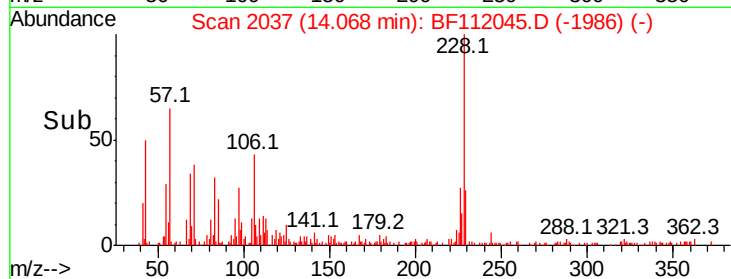
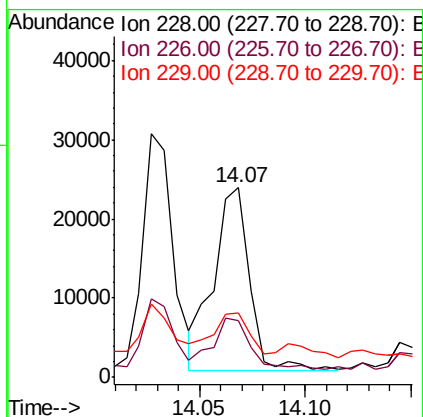
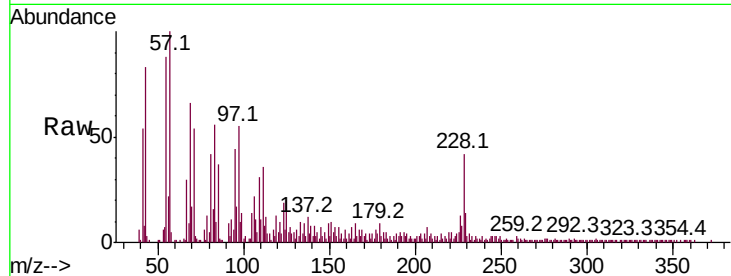
Tot Ion:228 Resp: 27388

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

229 33.7 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 129.248 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF112045.D

Acq: 12 Jan 2019 5:20

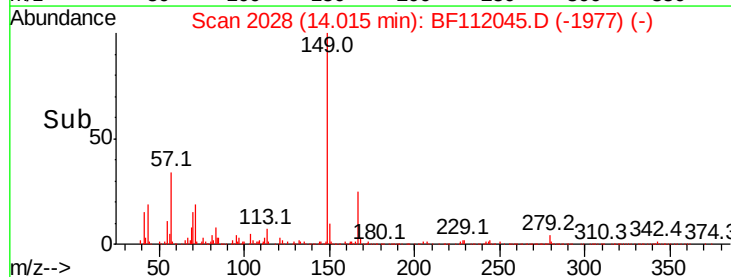
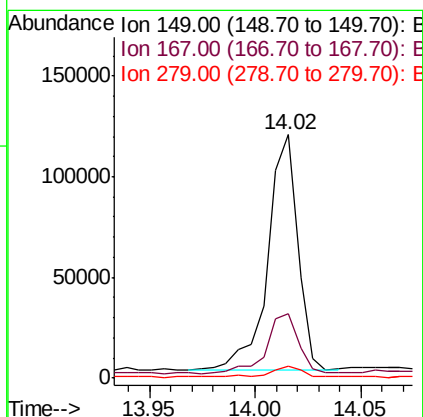
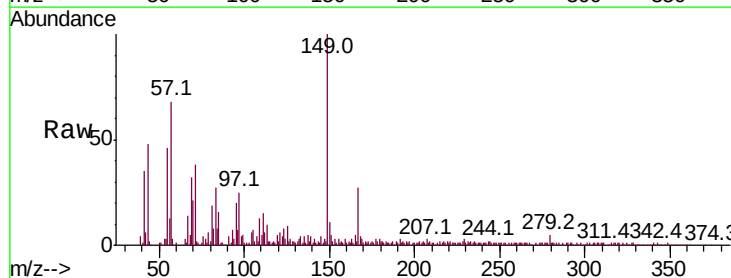
Tgt Ion:149 Resp: 115322

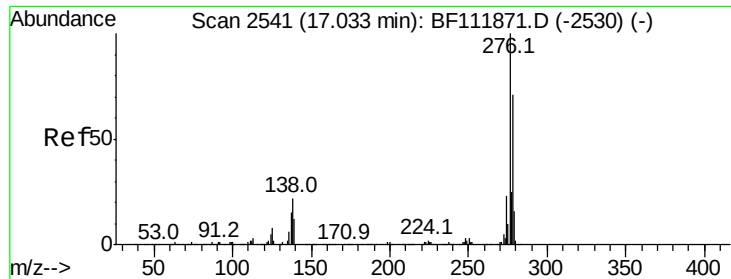
Ion Ratio Lower Upper

149 100

167 26.6 21.5 32.3

279 5.0 3.0 4.6#

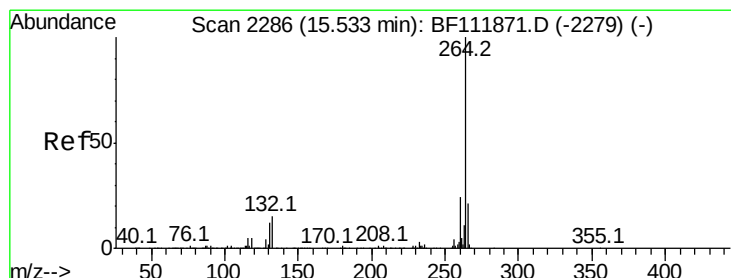
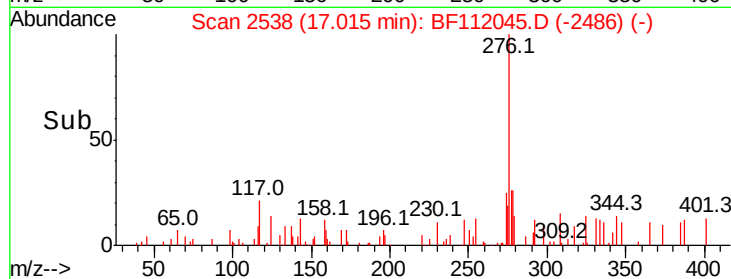
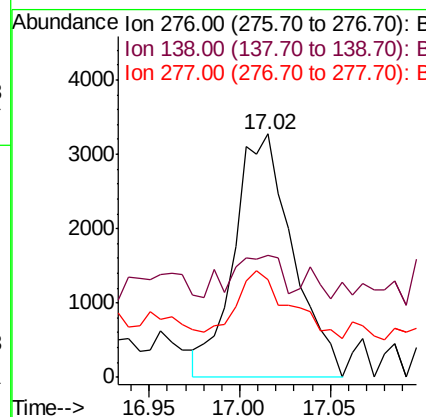
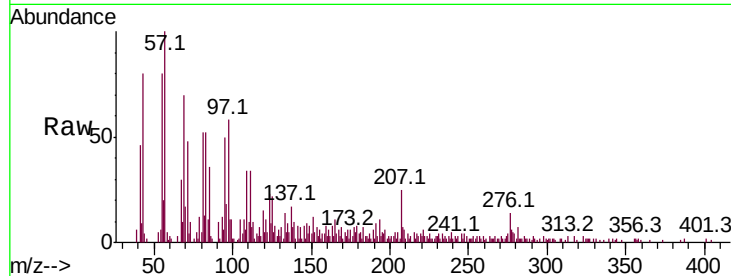




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.876 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. 0.01 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

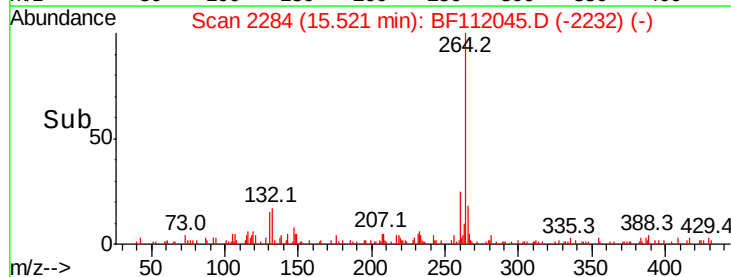
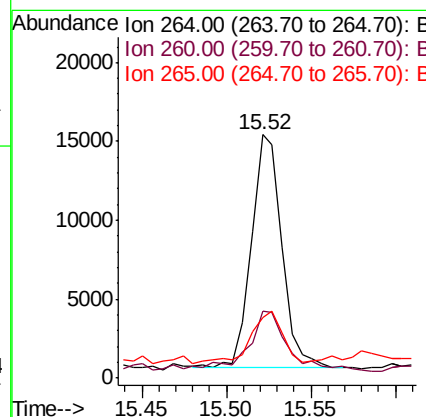
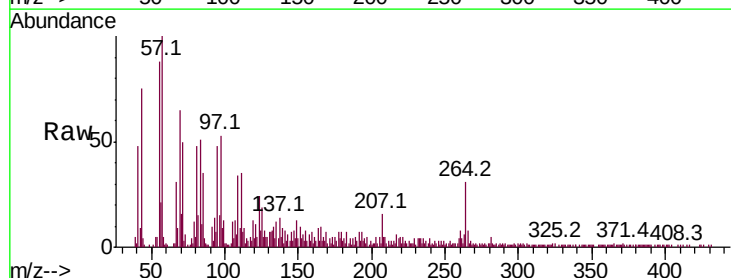
Instrument :
 BNA_F
 ClientSampleId :

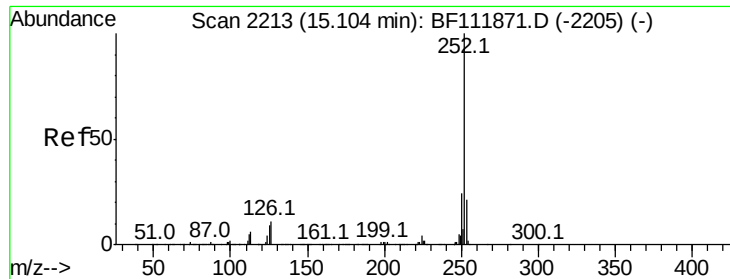
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.3	18.1	27.1#
277	24.9	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. 0.01 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.3	19.2	28.8
265	24.7	17.1	25.7

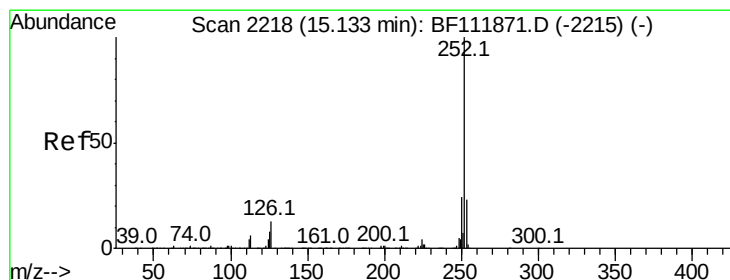
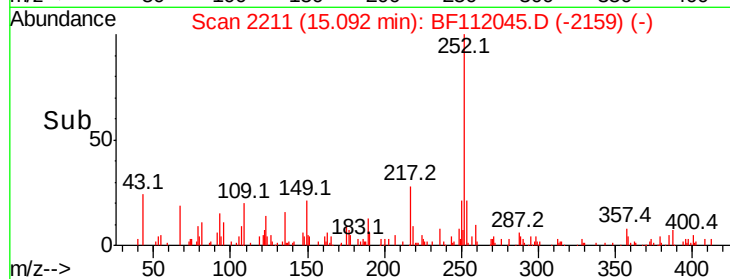
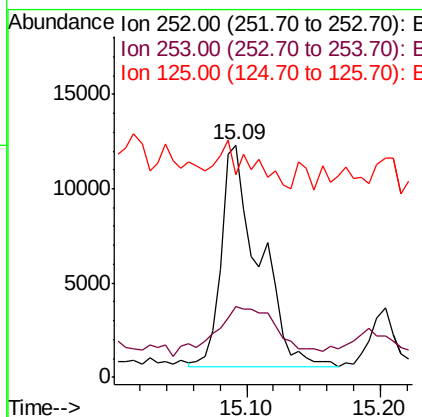
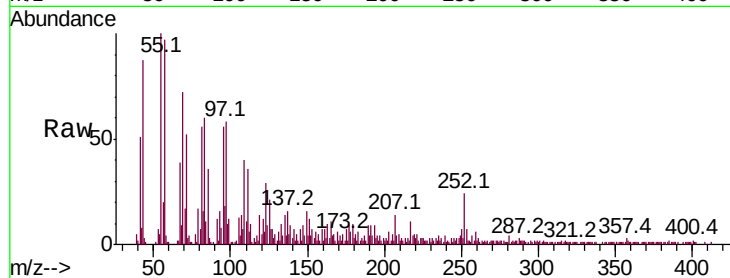




#88
Benzo(b)fluoranthene
Concen: 20.623 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

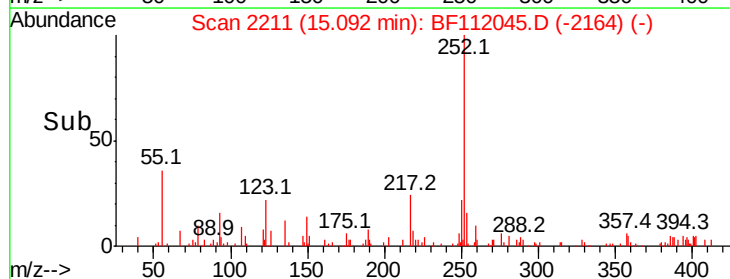
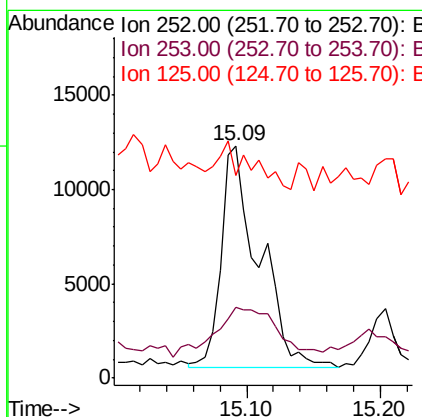
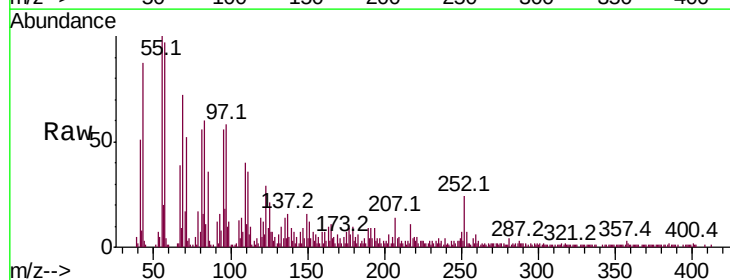
Instrument :
BNA_F
ClientSampleId :

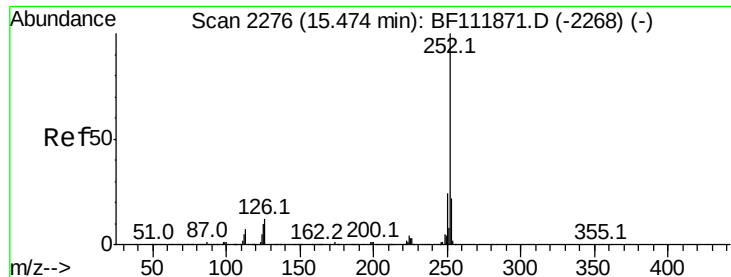
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.0	25.6#
125	87.3	7.1	10.7#



#89
Benzo(k)fluoranthene
Concen: 21.940 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.8	26.6#
125	87.3	7.0	10.4#

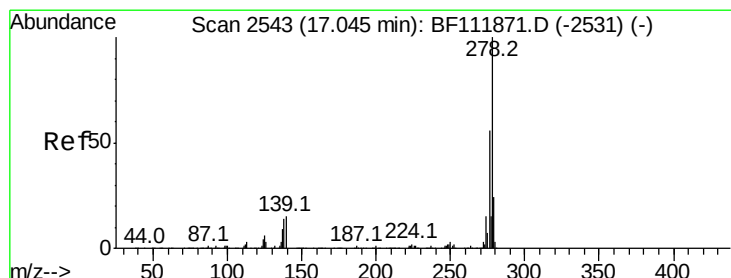
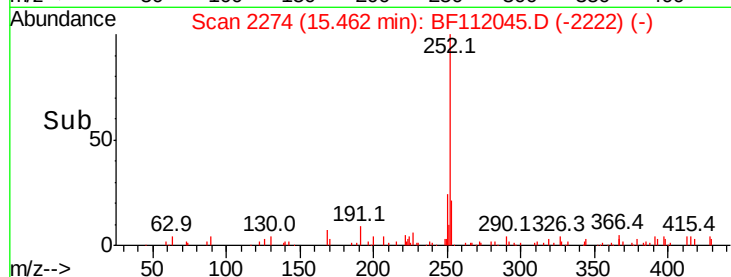
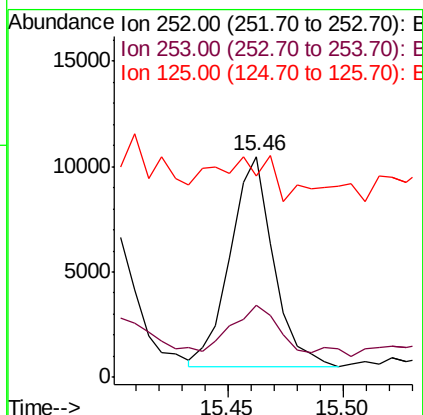
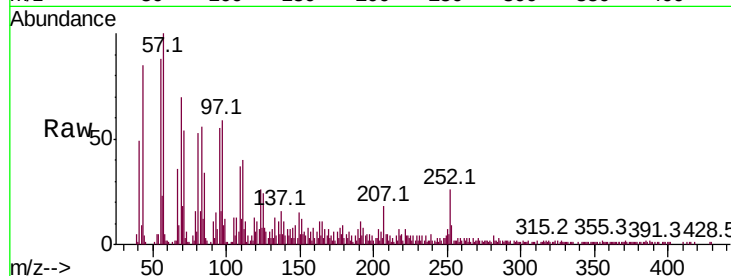




#90
Benzo(a)pyrene
Concen: 13.225 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

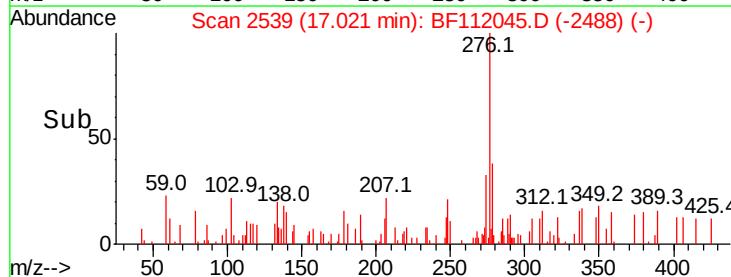
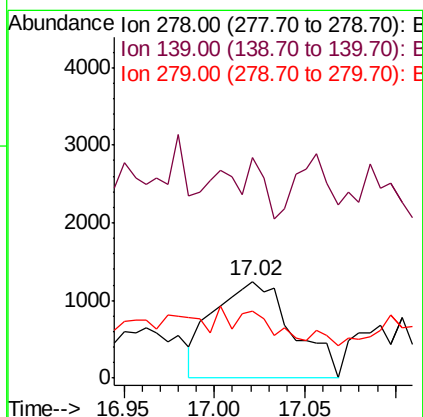
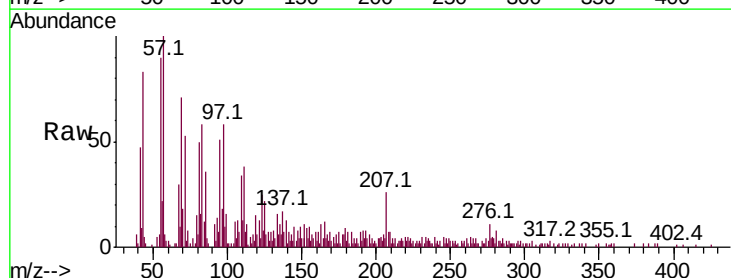
Instrument :
BNA_F
ClientSampleId :

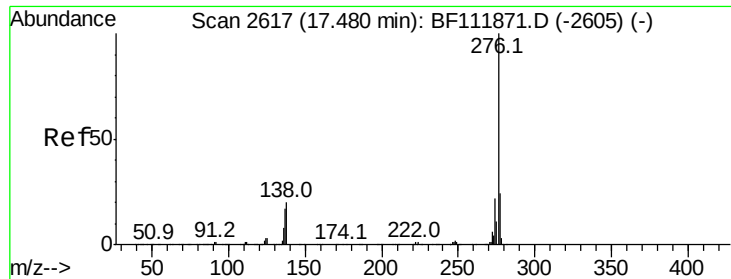
Tot Ion	Ratio	Lower	Upper
252	100		
253	32.8	17.4	26.2#
125	91.0	7.9	11.9#



#91
Dibenzo(a,h)anthracene
Concen: 4.793 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BF112045.D
Acq: 12 Jan 2019 5:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	227.9	11.8	17.6#
279	69.2	19.4	29.2#





#92
 Benzo(a,h,i)perylene
 Concen: 9.637 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. -0.00 min
 Lab File: BF112045.D
 Acq: 12 Jan 2019 5:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	41.0	19.0	28.6#
138	53.0	16.2	24.2#

