

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103920.D
 Acq On : 26 Mar 2018 12:39
 Operator : JU/SJ
 Sample : J1867-14MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

Quant Time: Mar 27 07:19:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	151775	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	615537	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	294668	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	519939	20.00	ng	0.00
75) Chrysene-d12	14.17	240	397576	20.00	ng	0.00
86) Perylene-d12	15.72	264	346787	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	705516	70.70	ng	0.01
7) Phenol-d6	6.60	99	583262	47.78	ng	0.00
23) Nitrobenzene-d5	7.55	82	1029872	116.68	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	407069	160.67	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1717281	92.96	ng	0.00
78) Terphenyl-d14	13.10	244	1672493	97.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	89655	18.247	ng	92
3) Pyridine	3.66	79	203386	15.049	ng	87
4) n-Nitrosodimethylamine	3.62	42	95655	19.196	ng	# 79
6) Aniline	6.64	93	370872	21.275	ng	97
8) 2-Chlorophenol	6.76	128	422757	40.443	ng	95
9) Benzaldehyde	6.53	77	242000	30.173	ng	99
10) Phenol	6.61	94	225519	17.384	ng	94
11) bis(2-Chloroethyl)ether	6.71	93	477244	44.564	ng	93
12) 1,3-Dichlorobenzene	6.92	146	479128	40.244	ng	98
13) 1,4-Dichlorobenzene	6.99	146	482703	40.348	ng	100
14) 1,2-Dichlorobenzene	7.15	146	449244	40.467	ng	99
15) Benzyl Alcohol	7.11	79	299320	31.644	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.25	45	634190	41.636	ng	93
17) 2-Methylphenol	7.22	107	307145	32.995	ng	98
18) Hexachloroethane	7.49	117	178769	42.481	ng	98
19) n-Nitroso-di-n-propylamine	7.39	70	336953	43.067	ng	93
20) 3+4-Methylphenols	7.37	107	327358	27.710	ng	# 74
22) Acetophenone	7.38	105	670697	42.396	ng	97
24) Nitrobenzene	7.56	77	520952	50.272	ng	96
25) Isophorone	7.80	82	976147	47.773	ng	99
26) 2-Nitrophenol	7.87	139	275051	65.481	ng	93
27) 2,4-Dimethylphenol	7.90	122	406461	46.434	ng	99
28) bis(2-Chloroethoxy)methane	8.00	93	627251	50.695	ng	99
29) 2,4-Dichlorophenol	8.12	162	394266	49.507	ng	96
30) 1,2,4-Trichlorobenzene	8.20	180	406340	43.991	ng	99
31) Naphthalene	8.28	128	1375416	44.235	ng	99
32) Benzoic acid	7.99	122	75873	19.654	ng	91
33) 4-Chloroaniline	8.32	127	270669	20.749	ng	98
34) Hexachlorobutadiene	8.39	225	210390	41.543	ng	99
35) Caprolactam	8.70	113	65766	23.982	ng	# 83
36) 4-Chloro-3-methylphenol	8.80	107	406778	46.332	ng	96
37) 2-Methylnaphthalene	8.97	142	926654	46.995	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	388363	46.198	ng	99
40) Hexachlorocyclopentadiene	9.12	237	372280	85.822	ng	98

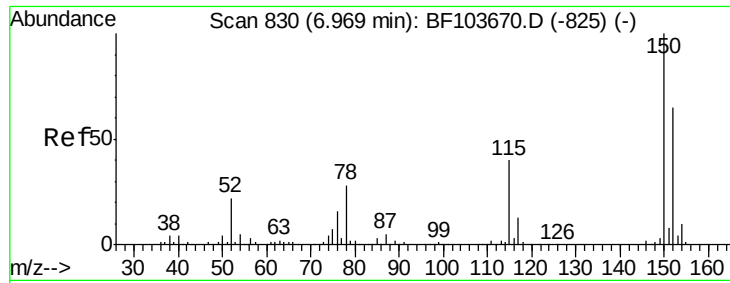
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	285147	53.030	nq	99
43) 2,4,5-Trichlorophenol	9.29	196	298916	49.253	nq	98
45) 1,1'-Biphenyl	9.44	154	1083399	44.093	nq	98
46) 2-Chloronaphthalene	9.47	162	869808	44.569	nq	97
47) 2-Nitroaniline	9.56	65	279175	53.734	nq	94
48) Acenaphthylene	9.89	152	1323635	43.738	nq	99
49) Dimethylphthalate	9.74	163	1097810	48.831	nq	100
50) 2,6-Dinitrotoluene	9.80	165	238934	54.364	nq	94
51) Acenaphthene	10.06	154	797289	44.370	nq	100
52) 3-Nitroaniline	9.97	138	156457	31.447	nq	93
53) 2,4-Dinitrophenol	10.09	184	242064	125.403	nq	# 22
54) Dibenzofuran	10.23	168	1202871	46.870	nq	98
55) 4-Nitrophenol	10.13	139	183866	46.866	nq	93
56) 2,4-Dinitrotoluene	10.21	165	318501	56.538	nq	98
57) Fluorene	10.57	166	954077	47.909	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.35	232	236370	54.965	nq	93
59) Diethylphthalate	10.43	149	992149	44.464	nq	98
60) 4-Chlorophenyl-phenylether	10.56	204	427043	46.922	nq	99
61) 4-Nitroaniline	10.60	138	255105	50.631	nq	93
62) Azobenzene	10.72	77	962459	42.426	nq	93
64) 4,6-Dinitro-2-methylphenol	10.62	198	155896	68.224	nq	90
65) n-Nitrosodiphenylamine	10.68	169	839366	47.428	nq	99
66) 4-Bromophenyl-phenylether	11.05	248	266614	49.943	nq	93
67) Hexachlorobenzene	11.12	284	293326	48.142	nq	93
68) Atrazine	11.20	200	272511	49.777	nq	100
69) Pentachlorophenol	11.32	266	304621	86.962	nq	98
70) Phenanthrene	11.54	178	1341256	47.158	nq	99
71) Anthracene	11.59	178	1359033	47.046	nq	99
72) Carbazole	11.75	167	1287697	45.863	nq	99
73) Di-n-butylphthalate	12.06	149	1500654	44.544	nq	99
74) Fluoranthene	12.73	202	1365642	46.606	nq	99
76) Benzidine	12.84	184	306258	18.061	nq	99
77) Pyrene	12.97	202	1368105	46.857	nq	100
79) Butylbenzylphthalate	13.57	149	656463	50.746	nq	97
80) Benzo(a)anthracene	14.16	228	1222336	48.570	nq	100
81) 3,3'-Dichlorobenzidine	14.12	252	275702	32.751	nq	98
82) Chrysene	14.20	228	1139934	47.517	nq	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	854736	46.251	nq	99
84) Di-n-octyl phthalate	14.75	149	1487984	55.345	nq	# 95
85) Indeno(1,2,3-cd)pyrene	17.31	276	1066123	50.888	nq	97
87) Benzo(b)fluoranthene	15.26	252	1085153	49.530	nq	99
88) Benzo(k)fluoranthene	15.29	252	1013057	48.102	nq	99
89) Benzo(a)pyrene	15.65	252	991504	49.895	nq	99
90) Dibenzo(a,h)anthracene	17.33	278	876642	50.947	nq	98
91) Benzo(g,h,i)perylene	17.80	276	902937	53.940	nq	96

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

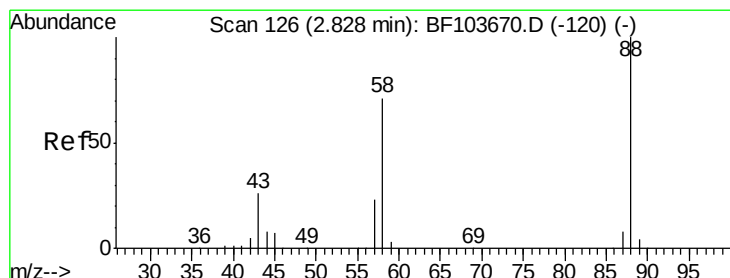
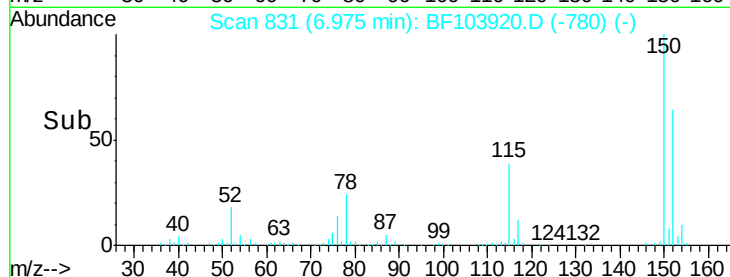
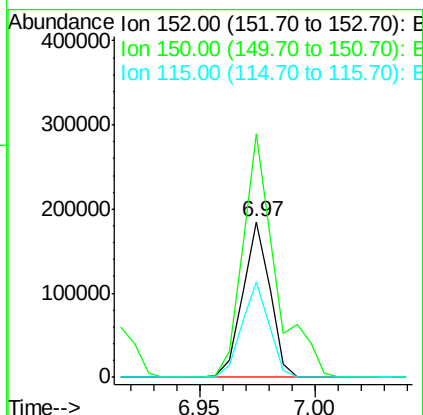
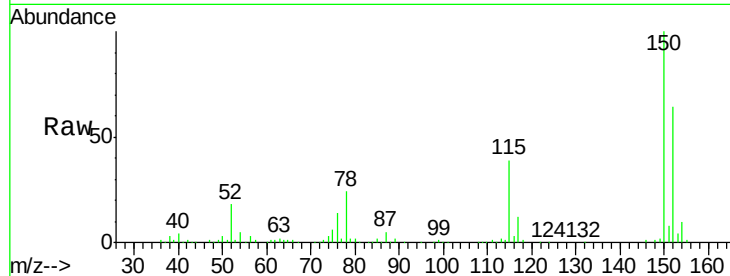


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
C19013071MSD

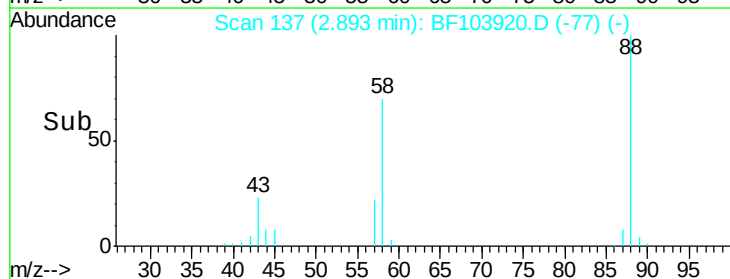
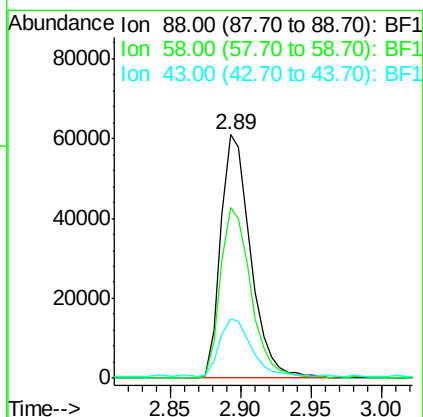
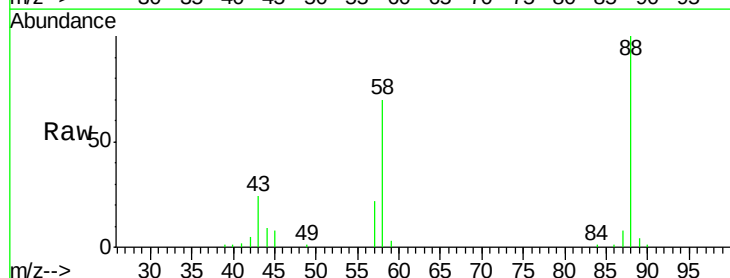
Tot Ion:152 Resp: 151775
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 60.9 50.1 75.1

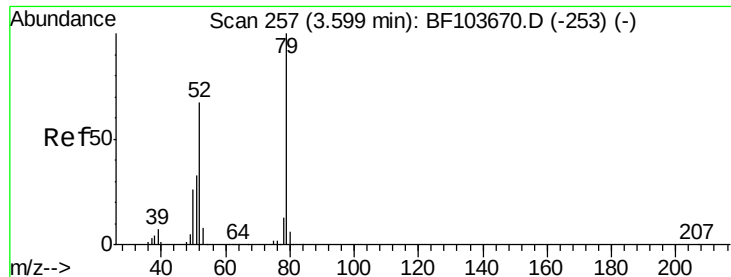


#2

1,4-Dioxane
Concen: 18.247 ng
RT: 2.89 min Scan# 137
Delta R.T. 0.05 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion: 88 Resp: 89655
Ion Ratio Lower Upper
88 100
58 71.6 62.6 93.8
43 25.1 24.6 37.0





#3

Pvridine

Concen: 15.049 ng

RT: 3.66 min Scan# 268

Delta R.T. 0.05 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

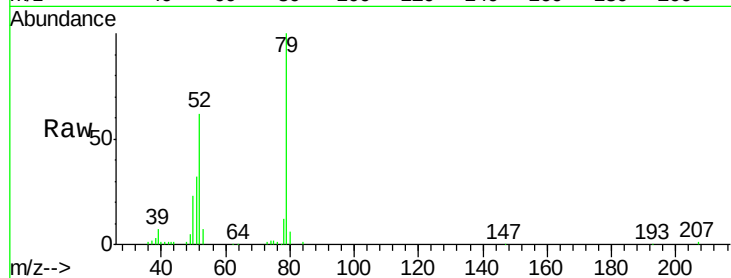
Tot Ion: 79 Resp: 203386

Ion Ratio Lower Upper

79 100

52 61.8 59.8 89.6

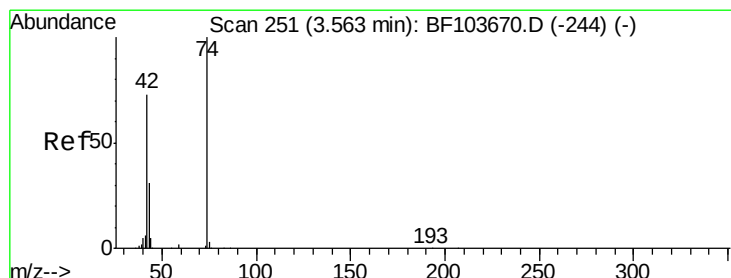
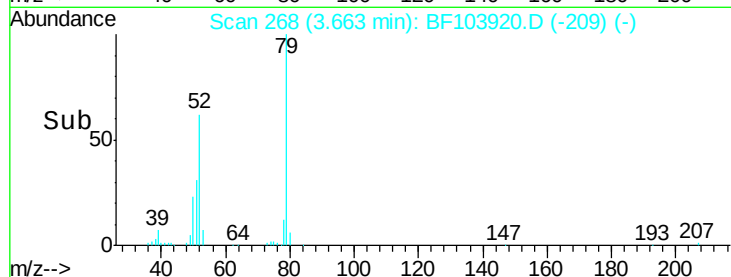
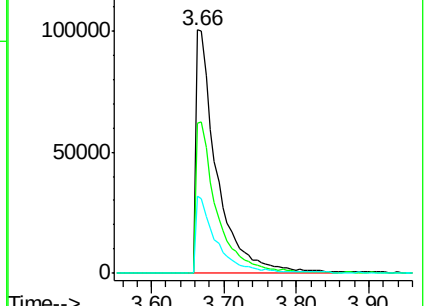
51 31.8 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 19.196 ng

RT: 3.62 min Scan# 260

Delta R.T. 0.04 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

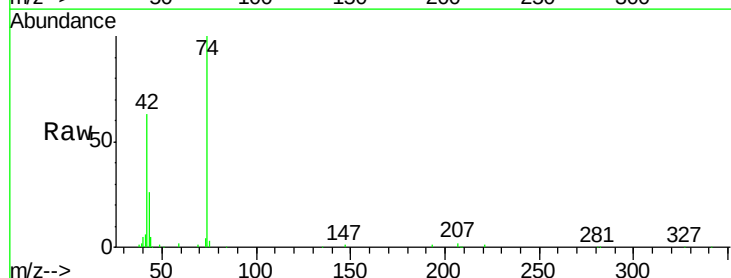
Tgt Ion: 42 Resp: 95655

Ion Ratio Lower Upper

42 100

74 157.5 104.9 157.3#

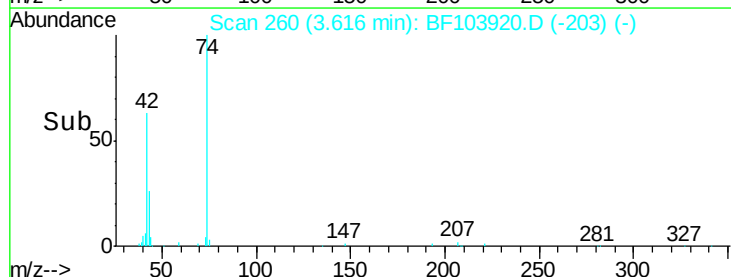
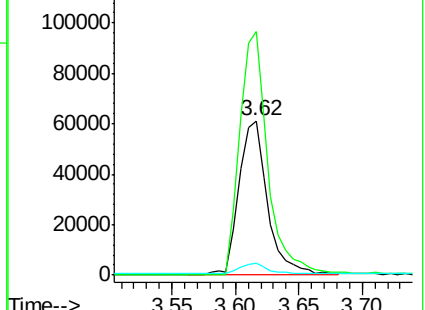
44 7.5 6.9 10.3

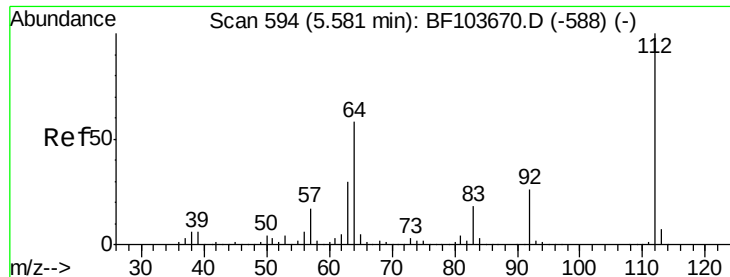


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 70.702 ng

RT: 5.60 min Scan# 598

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

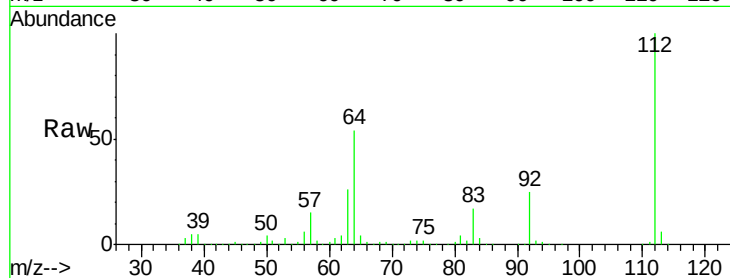
Tot Ion:112 Resp: 705516

Ion Ratio Lower Upper

112 100

64 53.6 47.9 71.9

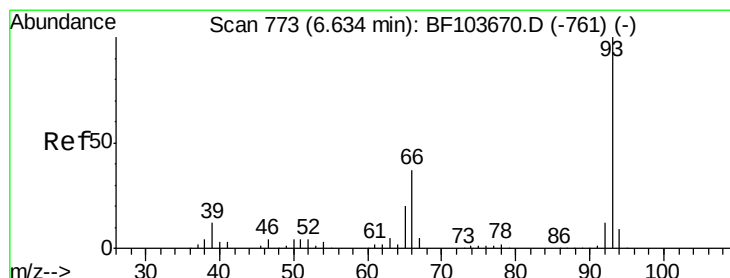
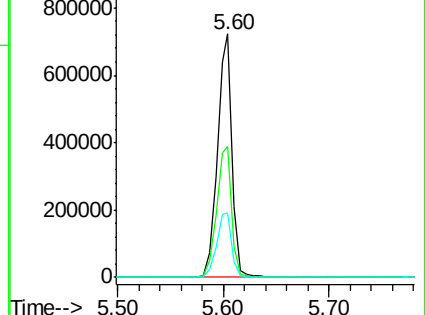
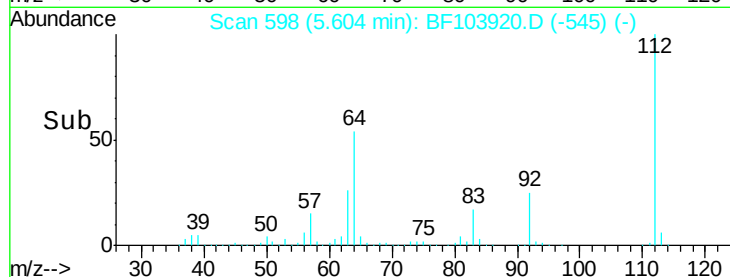
63 26.3 23.7 35.5



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: 21.275 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

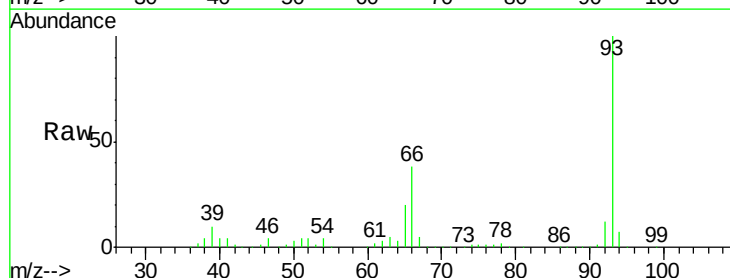
Tgt Ion: 93 Resp: 370872

Ion Ratio Lower Upper

93 100

66 37.9 32.2 48.2

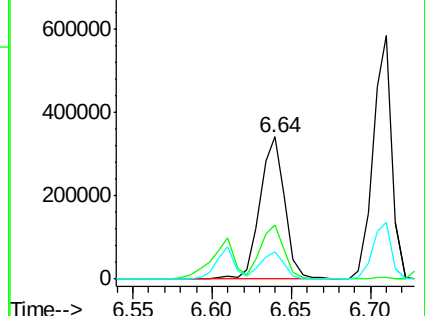
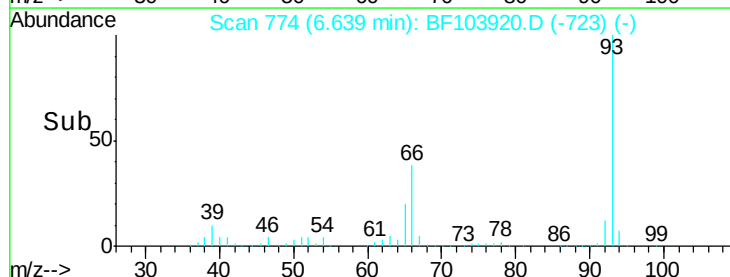
65 19.5 16.4 24.6

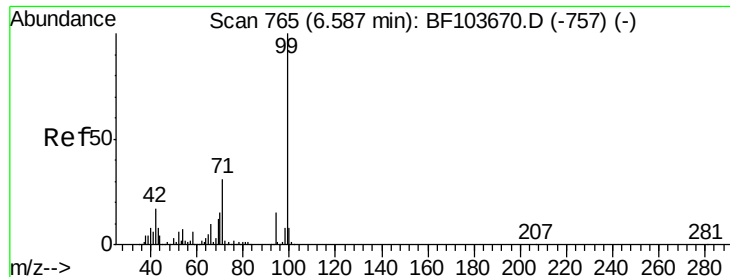


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 47.776 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

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ClientSampleId :

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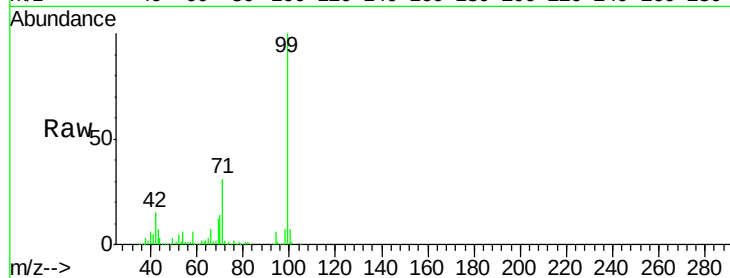
Tot Ion: 99 Resp: 583262

Ion Ratio Lower Upper

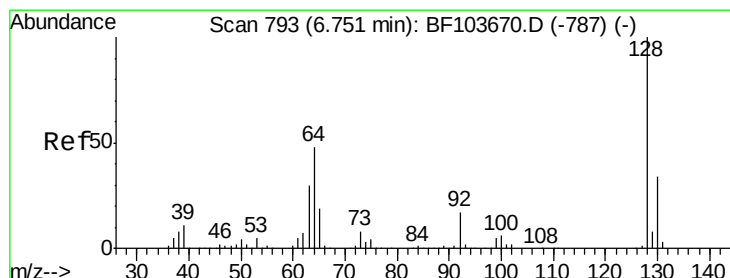
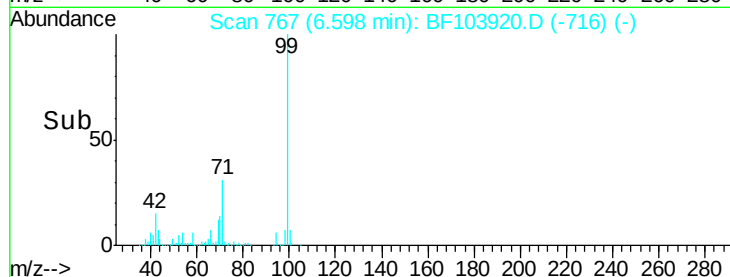
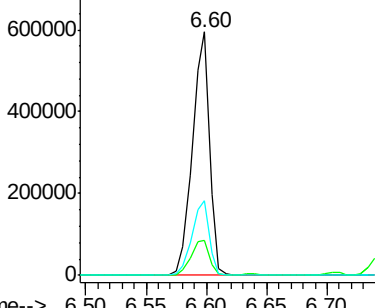
99 100

42 14.5 14.5 21.7

71 30.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 40.443 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

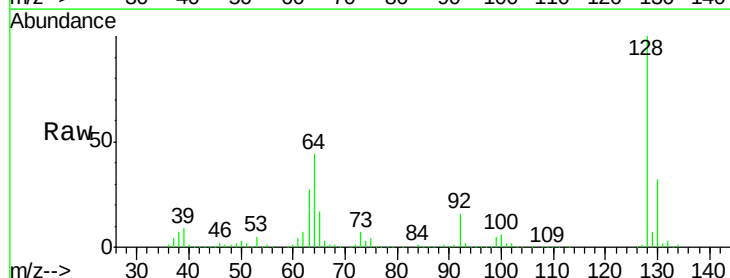
Tgt Ion: 128 Resp: 422757

Ion Ratio Lower Upper

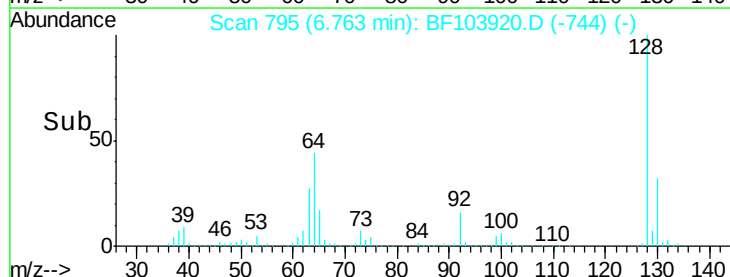
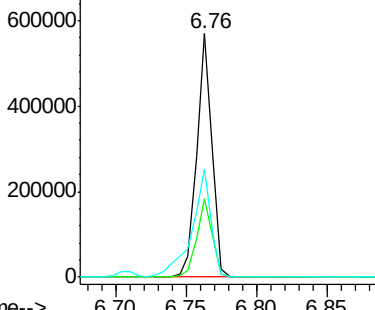
128 100

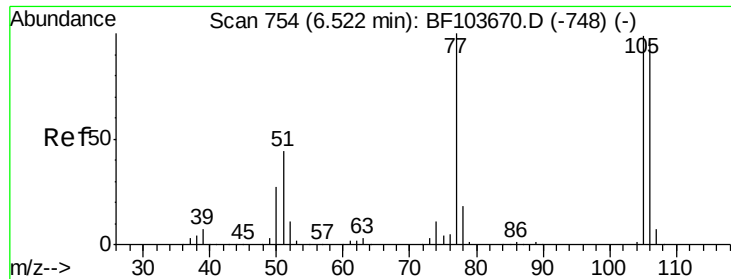
130 32.4 13.0 53.0

64 44.3 29.4 69.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 30.173 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

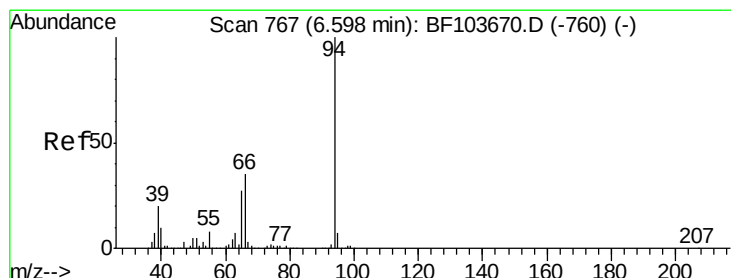
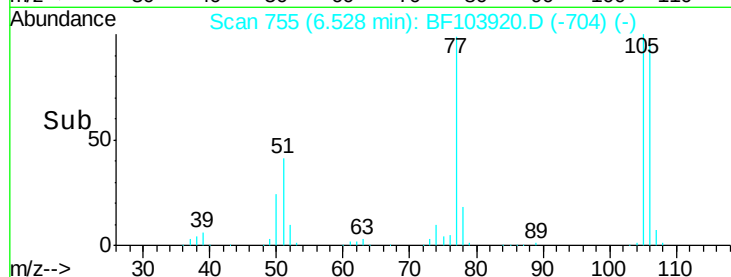
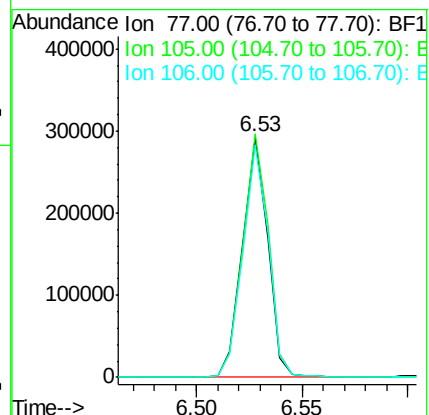
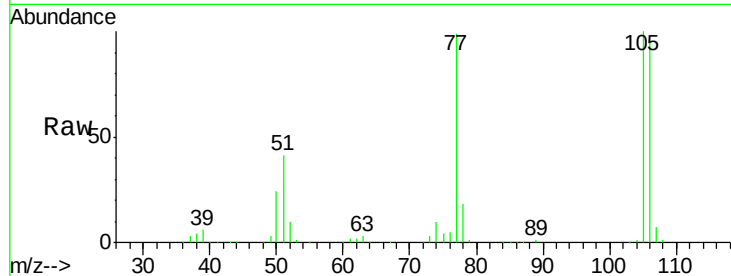
Tot Ion: 77 Resp: 242000

Ion Ratio Lower Upper

77 100

105 101.5 81.1 121.1

106 96.9 74.5 114.5



#10

Phenol

Concen: 17.384 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

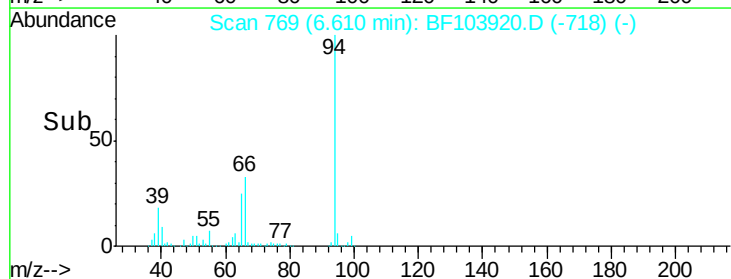
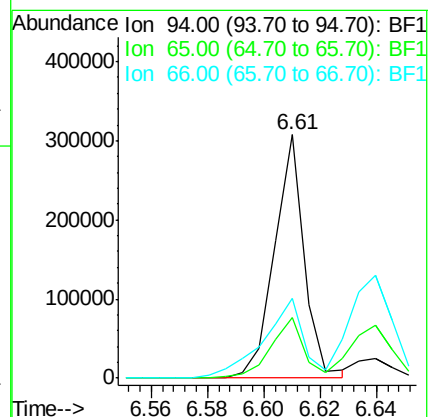
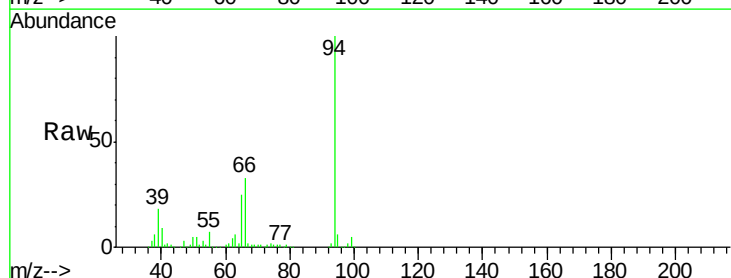
Tgt Ion: 94 Resp: 225519

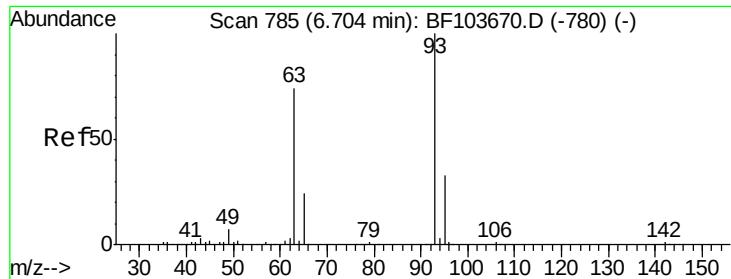
Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

66 32.5 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 44.564 ng

RT: 6.71 min Scan# 786

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

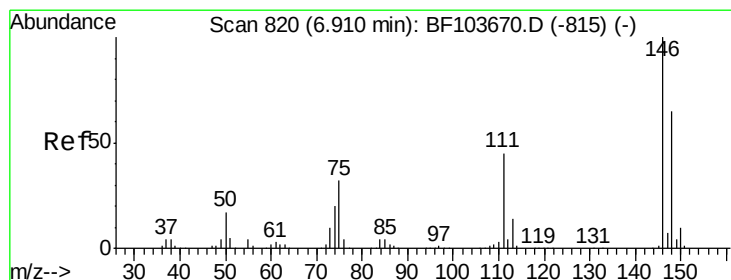
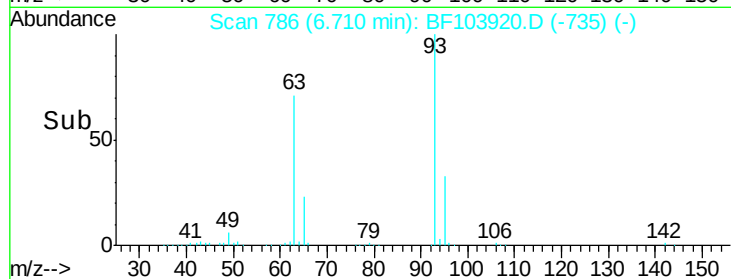
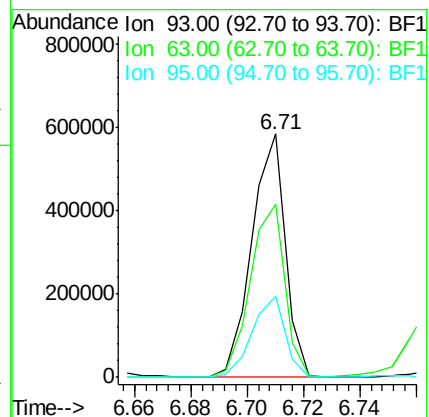
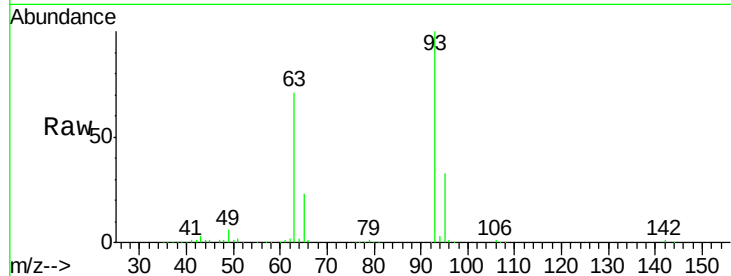
Tot Ion: 93 Resp: 477244

Ion Ratio Lower Upper

93 100

63 71.0 58.6 98.6

95 33.3 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 40.244 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

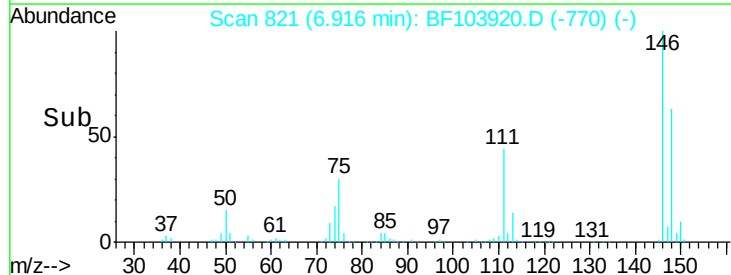
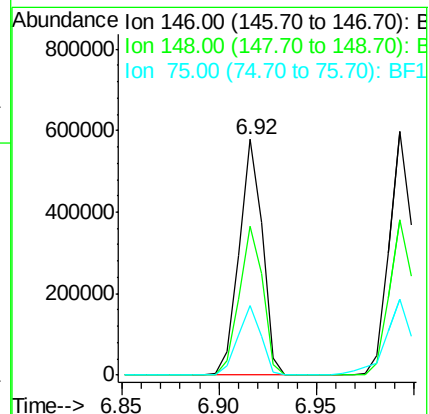
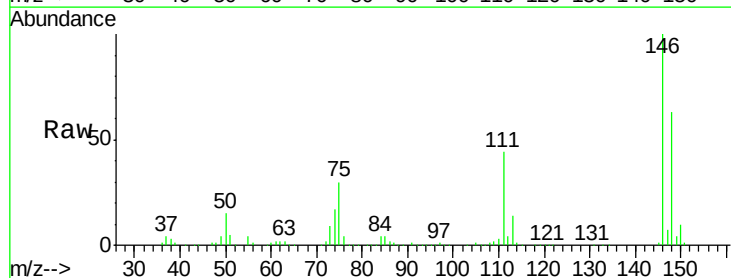
Tgt Ion: 146 Resp: 479128

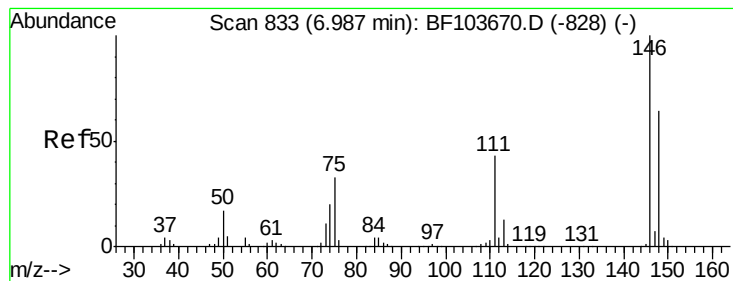
Ion Ratio Lower Upper

146 100

148 63.2 51.8 77.8

75 29.7 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 40.348 ng

RT: 6.99 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

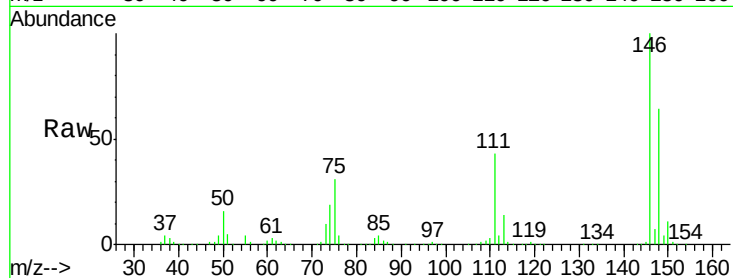
Tot Ion:146 Resp: 482703

Ion Ratio Lower Upper

146 100

148 63.8 50.8 76.2

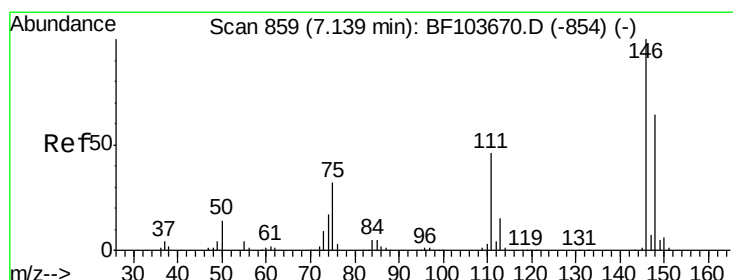
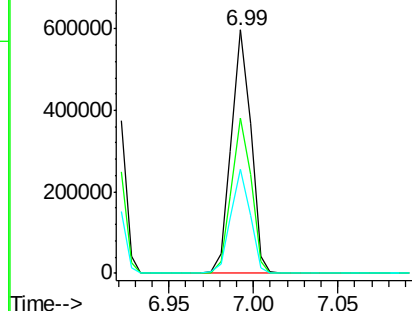
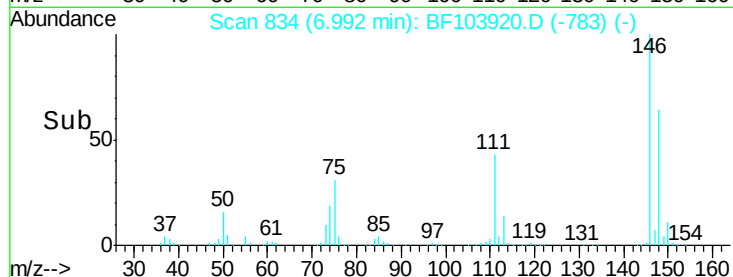
111 42.6 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.467 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

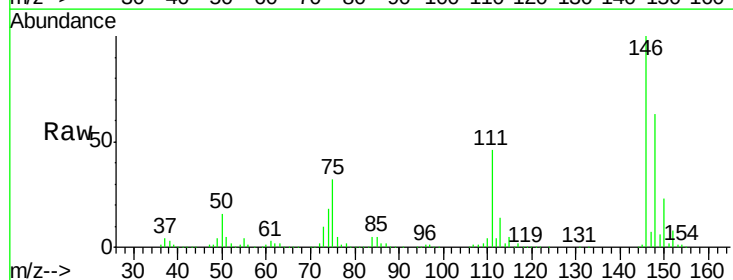
Tgt Ion:146 Resp: 449244

Ion Ratio Lower Upper

146 100

148 62.5 50.6 75.8

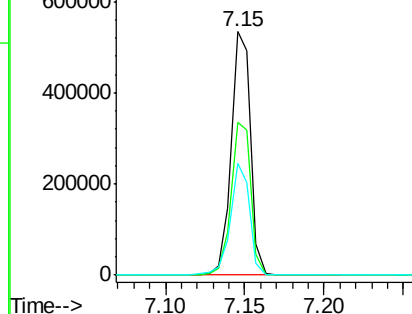
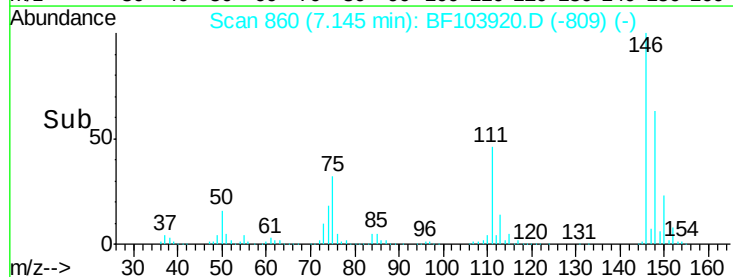
111 45.9 36.0 54.0

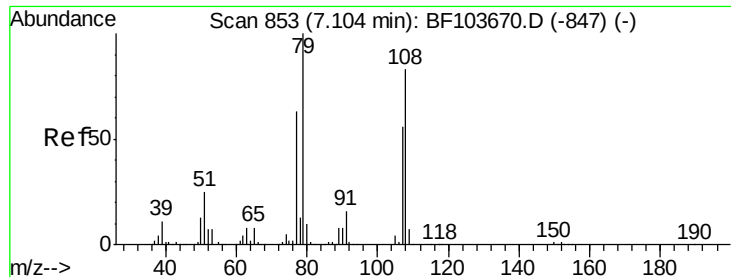


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 31.644 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

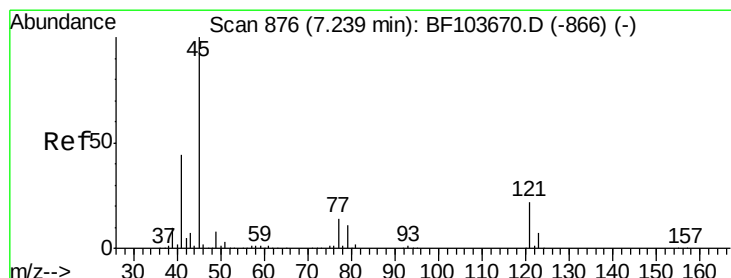
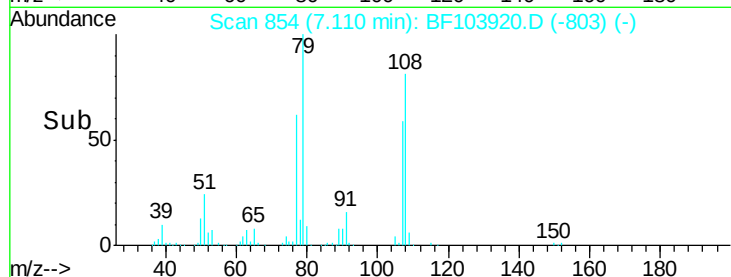
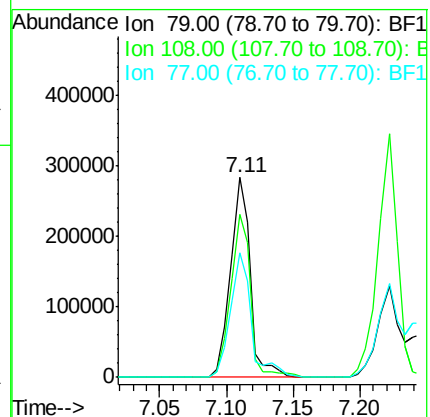
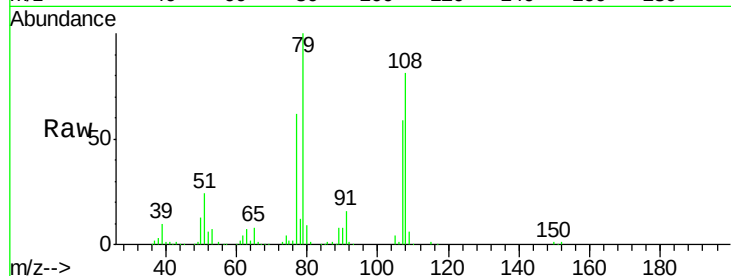
Tot Ion: 79 Resp: 299320

Ion Ratio Lower Upper

79 100

108 81.3 65.1 97.7

77 62.4 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.636 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

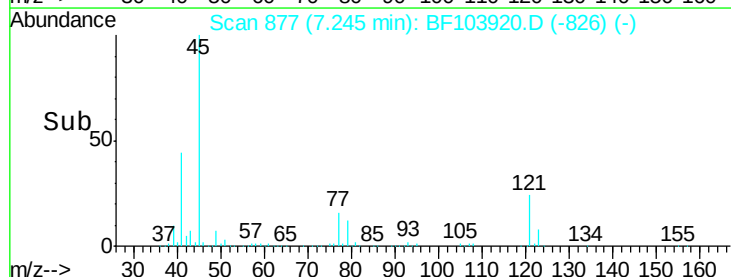
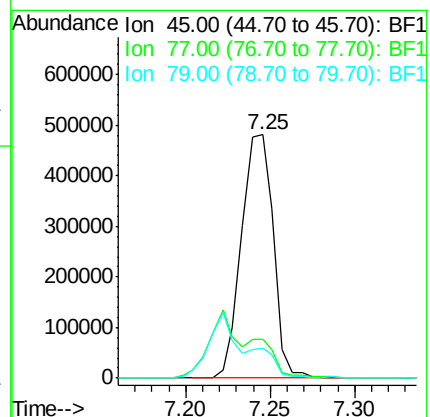
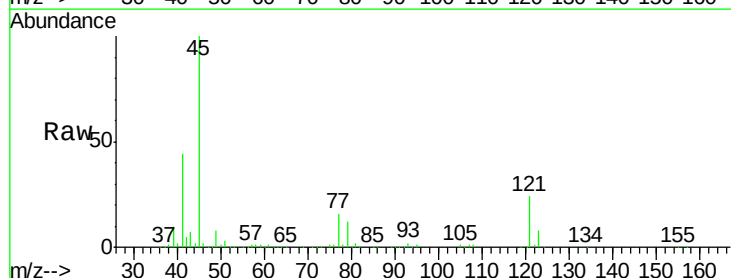
Tgt Ion: 45 Resp: 634190

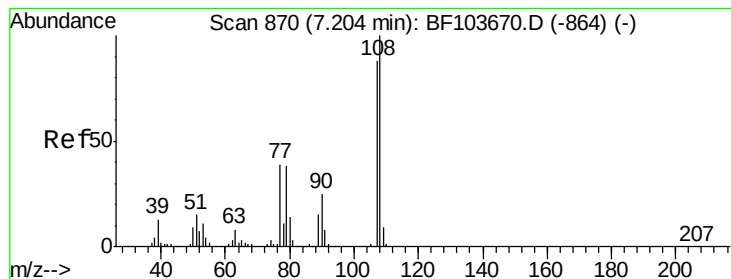
Ion Ratio Lower Upper

45 100

77 15.9 0.0 32.9

79 12.2 0.0 29.6

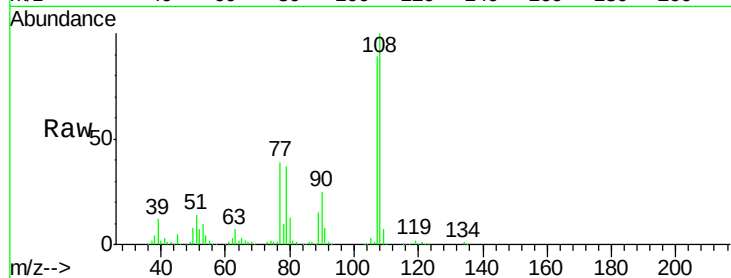




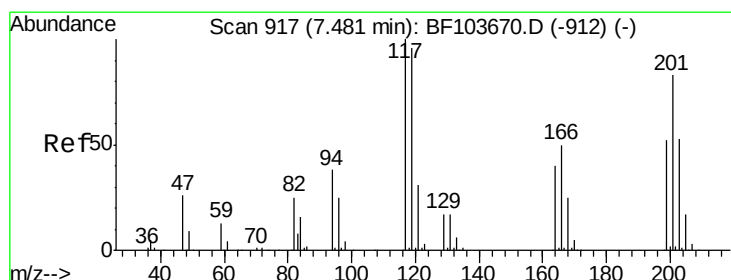
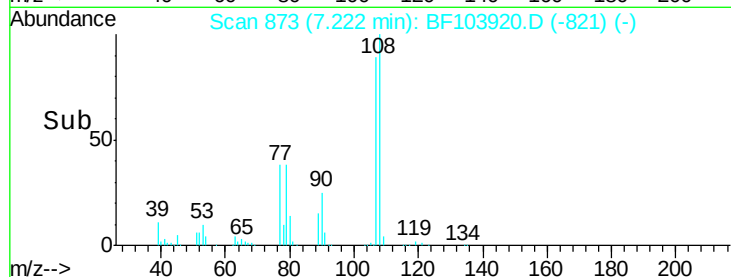
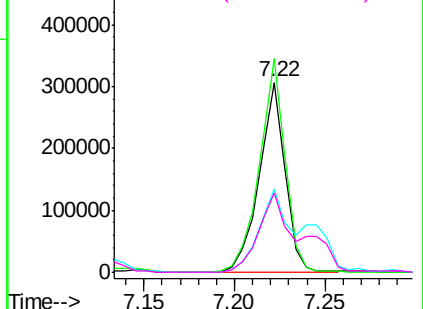
#17
2-Methylphenol
Concen: 32.995 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
C19013071MSD

Tot Ion:	107	Resp:	307145
Ion	Ratio	Lower	Upper
107	100		
108	112.4	91.7	137.5
77	43.6	33.8	50.8
79	42.1	33.8	50.8

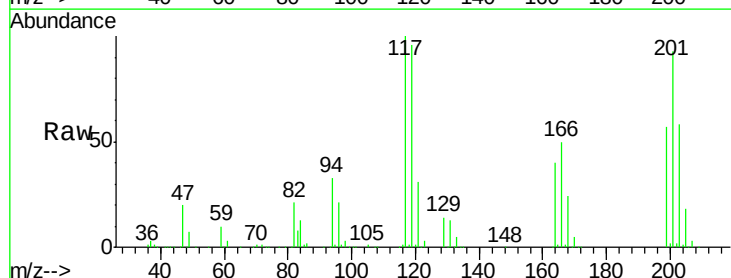


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

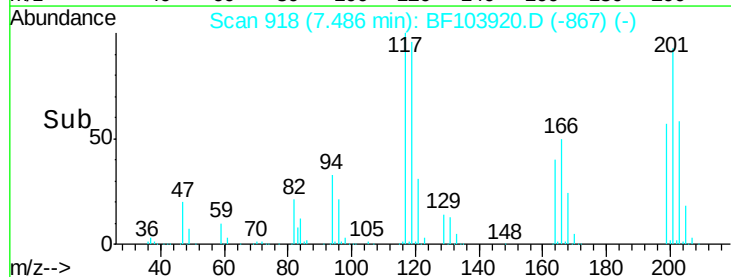
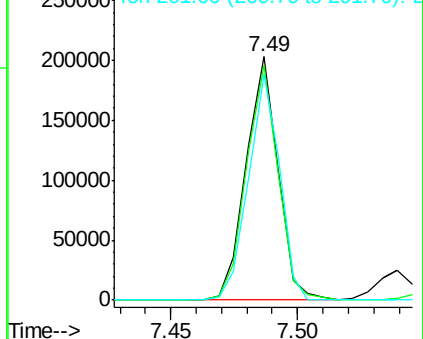


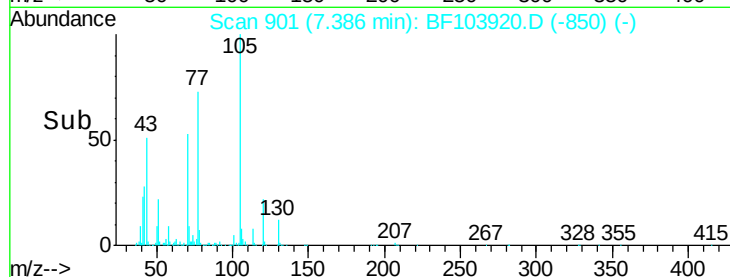
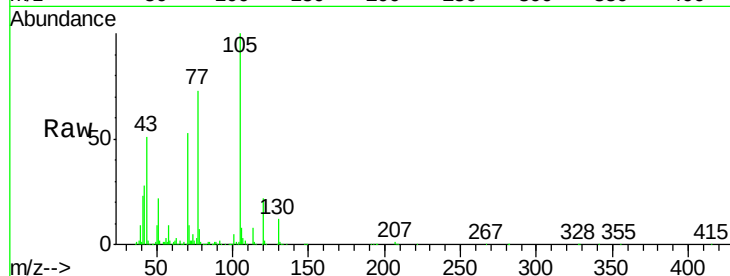
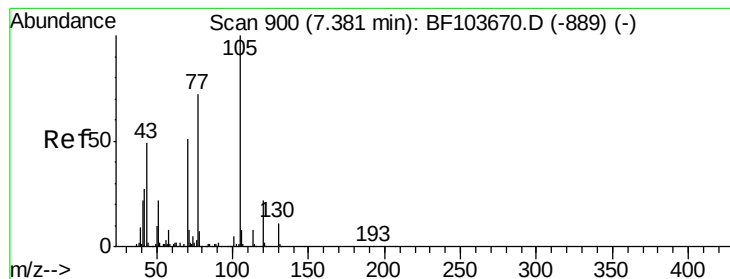
#18
Hexachloroethane
Concen: 42.481 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:	117	Resp:	178769
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
201	92.8	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: 43.067 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

Tot Ion: 70 Resp: 336953

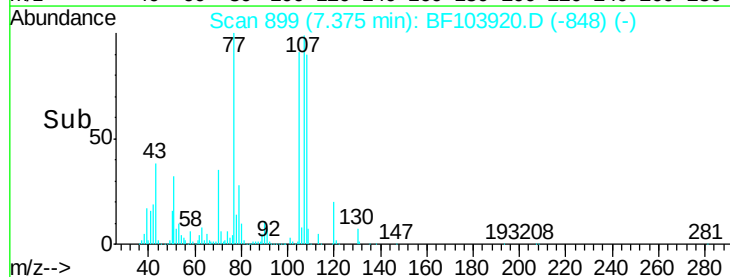
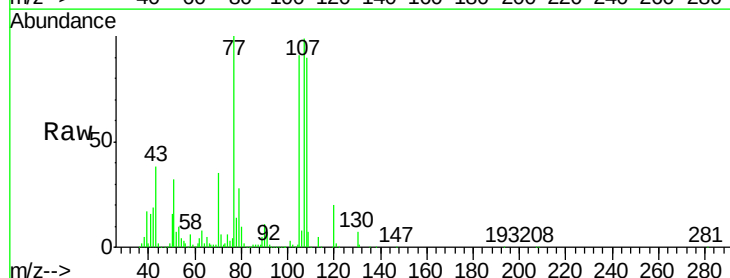
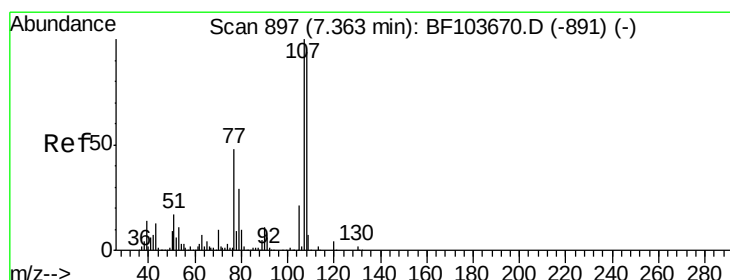
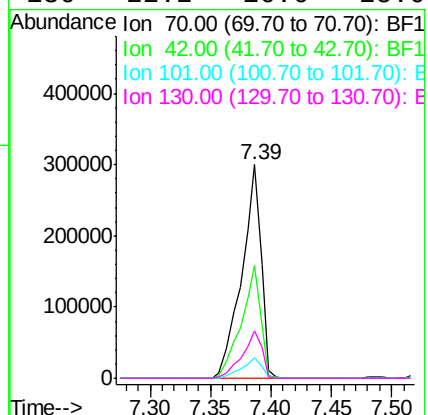
Ion Ratio Lower Upper

70 100

42 52.9 47.5 71.3

101 9.8 7.4 11.2

130 22.2 16.6 25.0



#20

3+4-Methylphenols

Concen: 27.710 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Tgt Ion: 107 Resp: 327358

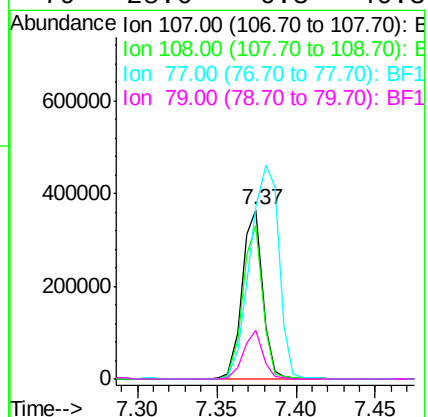
Ion Ratio Lower Upper

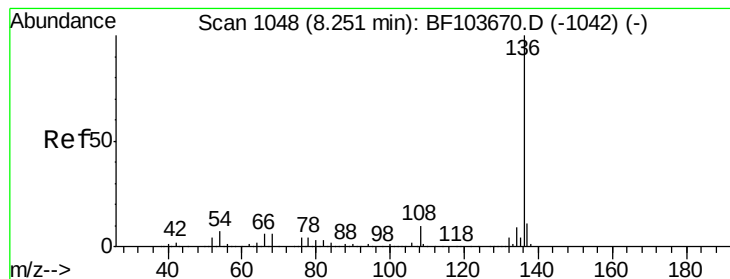
107 100

108 91.1 68.2 108.2

77 101.1 26.7 66.7#

79 28.6 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

Tot Ion:136 Resp: 615537

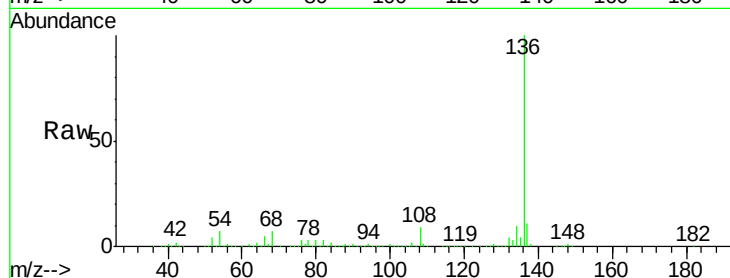
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 7.3 6.6 9.8

68 6.7 5.0 7.4

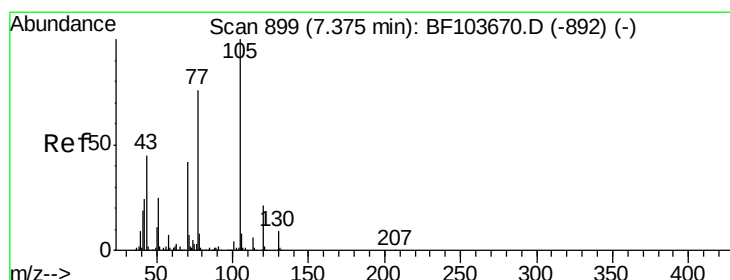
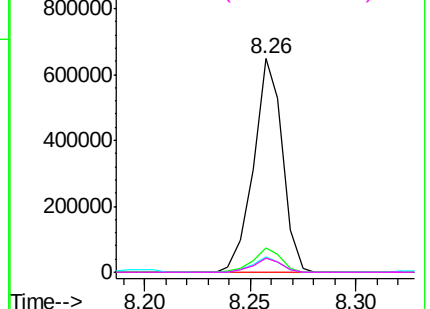
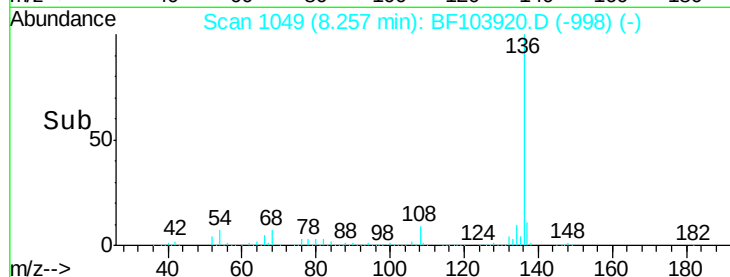


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 42.396 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Tgt Ion:105 Resp: 670697

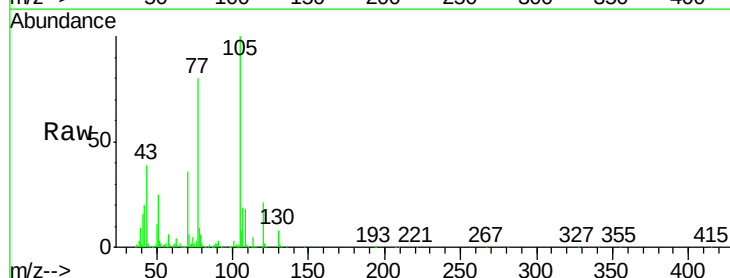
Ion Ratio Lower Upper

105 100

71 6.1 4.4 6.6

51 24.9 22.3 33.5

120 21.3 16.9 25.3

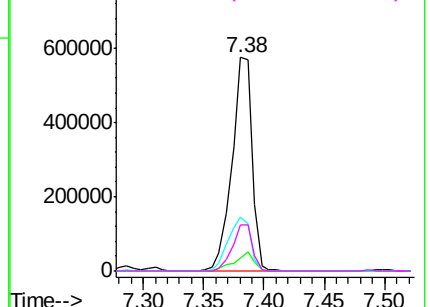
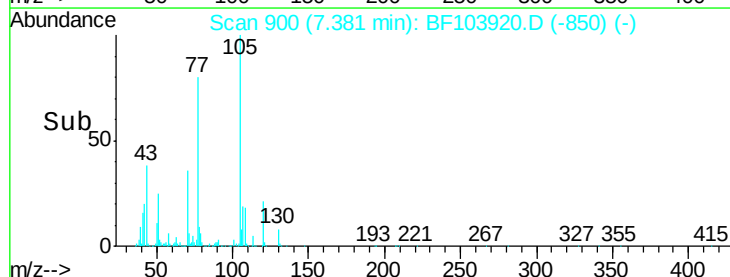


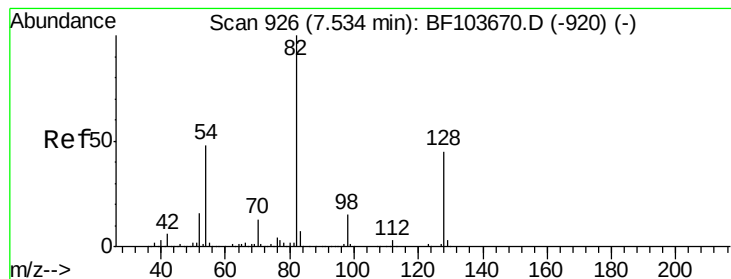
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 116.677 ng

RT: 7.55 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

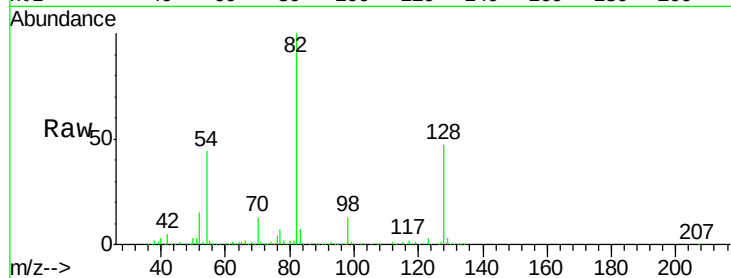
Tot Ion: 82 Resp: 1029872

Ion Ratio Lower Upper

82 100

128 47.5 36.1 54.1

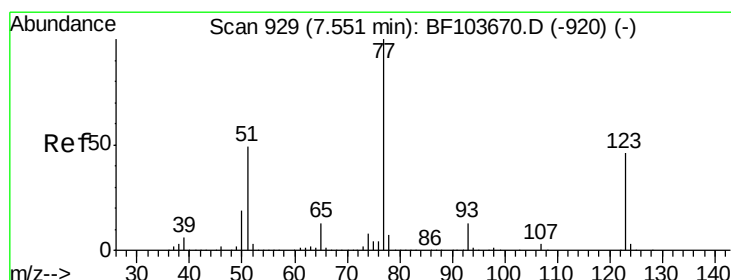
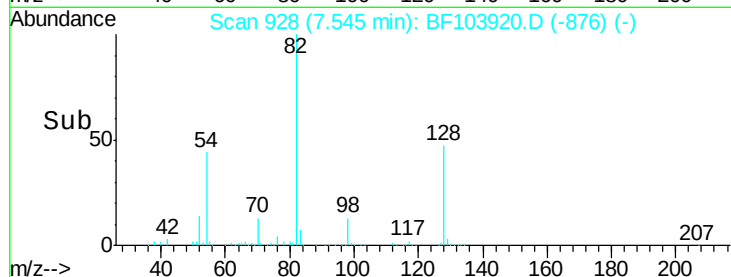
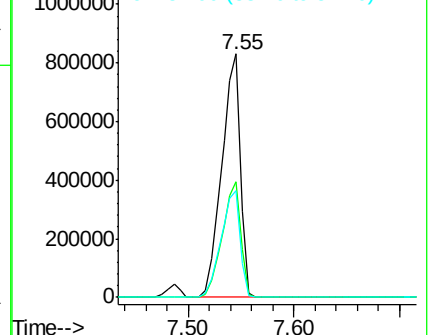
54 44.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 50.272 ng

RT: 7.56 min Scan# 931

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

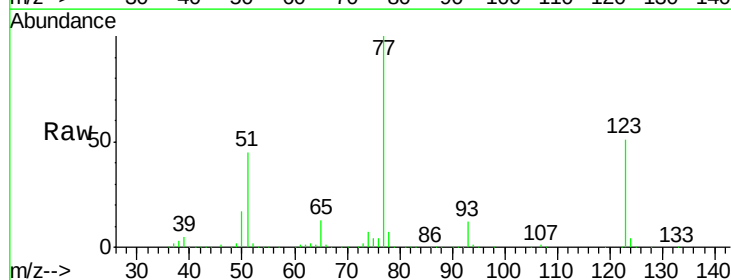
Tgt Ion: 77 Resp: 520952

Ion Ratio Lower Upper

77 100

123 50.8 37.9 56.9

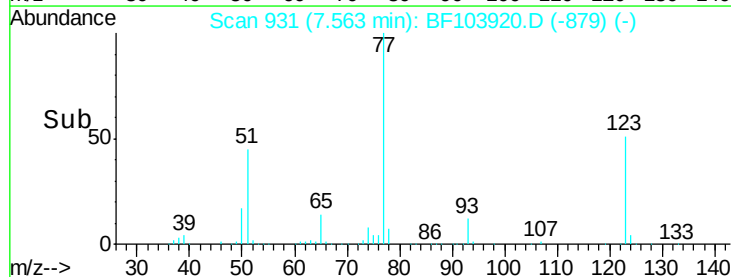
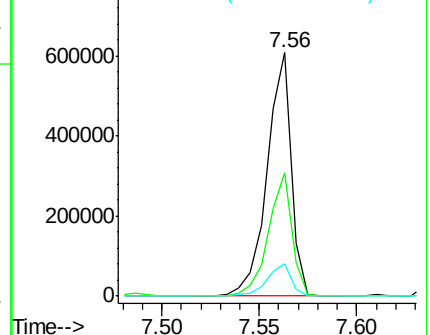
65 13.4 11.0 16.4

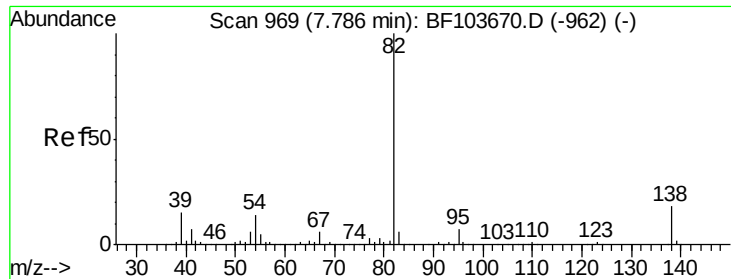


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

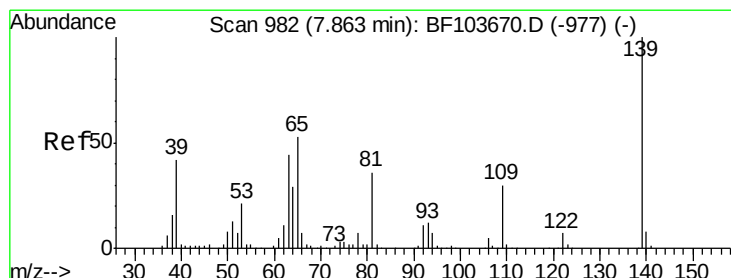
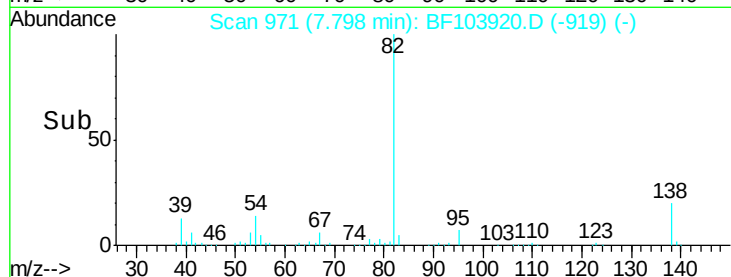
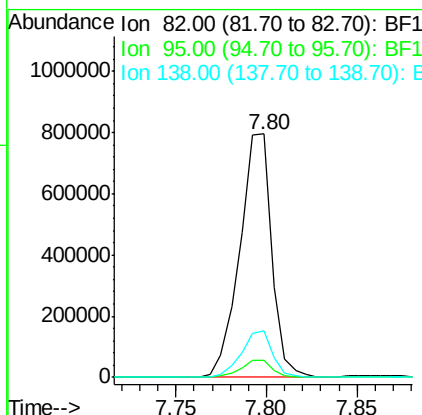
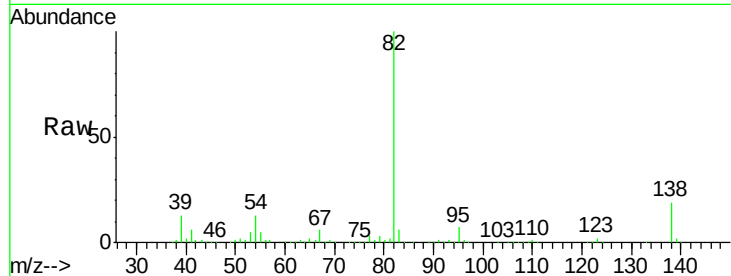




#25
Isophorone
Concen: 47.773 ng
RT: 7.80 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

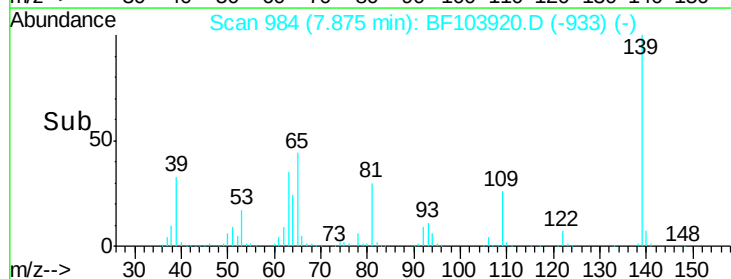
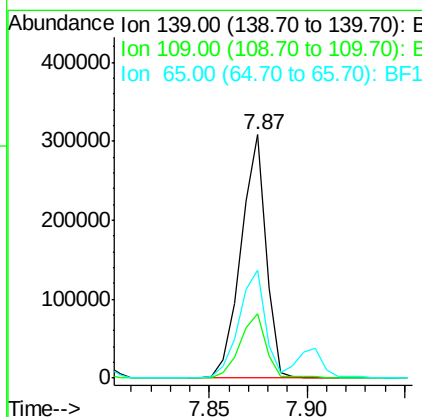
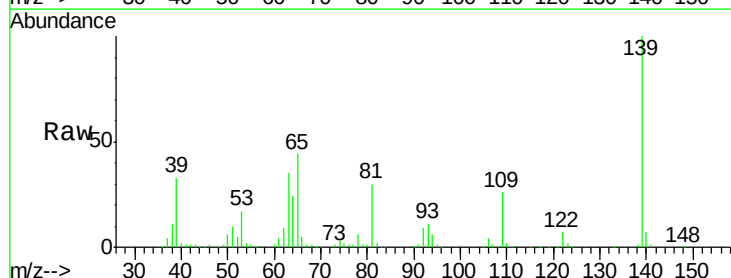
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

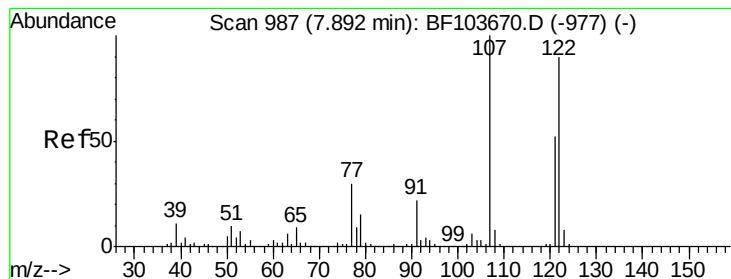
Tot Ion: 82 Resp: 976147
Ion Ratio Lower Upper
82 100
95 6.9 5.2 7.8
138 19.2 14.9 22.3



#26
2-Nitrophenol
Concen: 65.481 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion: 139 Resp: 275051
Ion Ratio Lower Upper
139 100
109 26.2 22.7 34.1
65 44.1 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 46.434 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

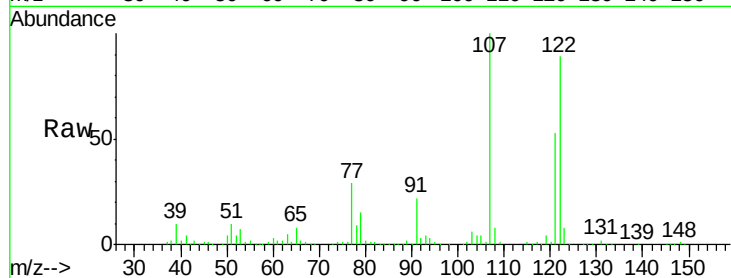
Tot Ion:122 Resp: 406461

Ion Ratio Lower Upper

122 100

107 112.1 91.2 136.8

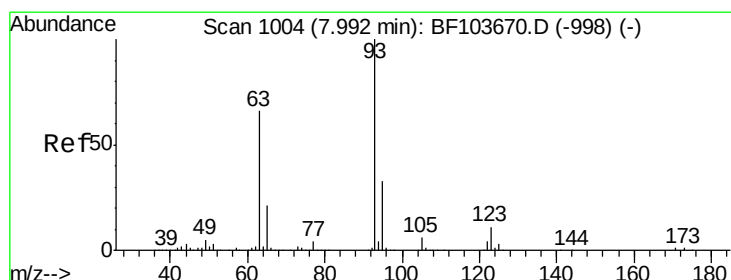
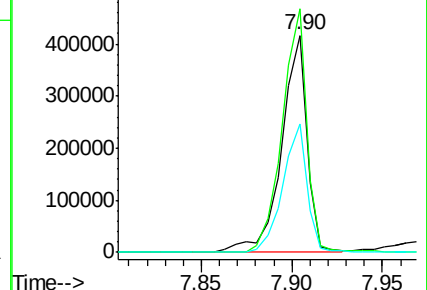
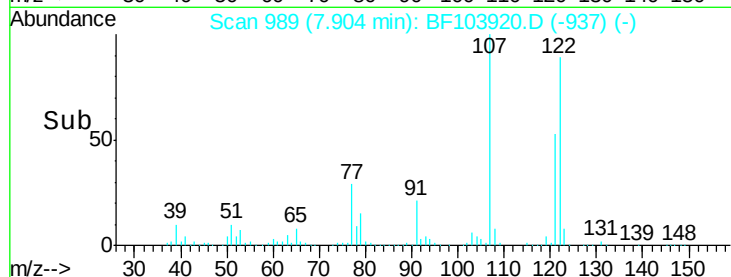
121 59.0 47.2 70.8



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: 50.695 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

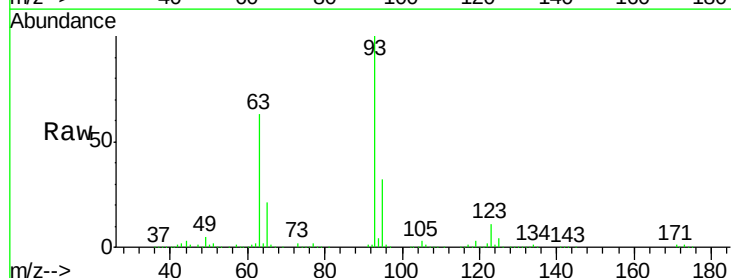
Tgt Ion: 93 Resp: 627251

Ion Ratio Lower Upper

93 100

95 32.3 26.3 39.5

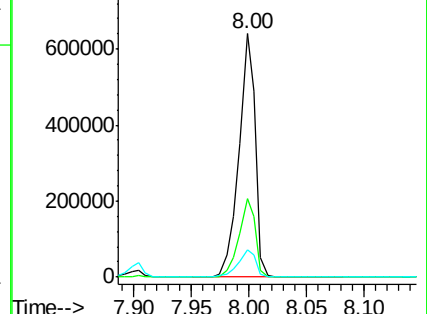
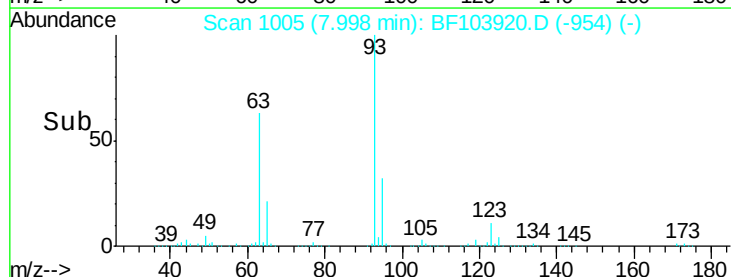
123 11.3 9.8 14.6

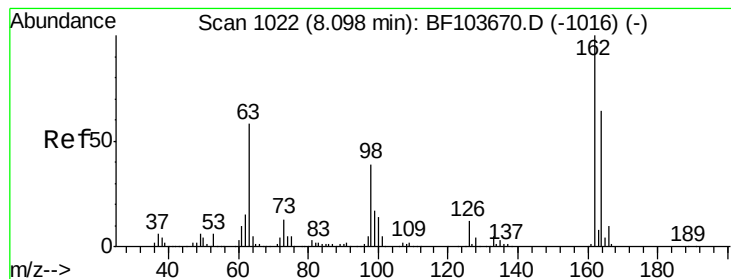


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 49.507 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

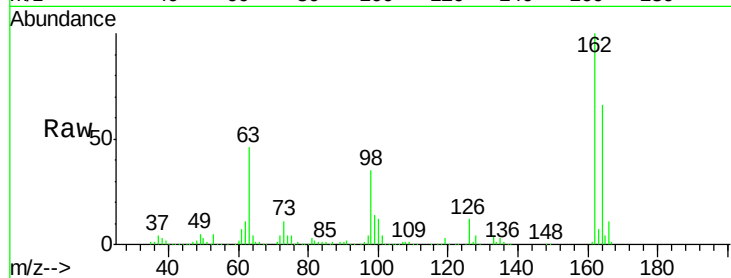
Tot Ion:162 Resp: 394266

Ion Ratio Lower Upper

162 100

164 65.5 42.7 82.7

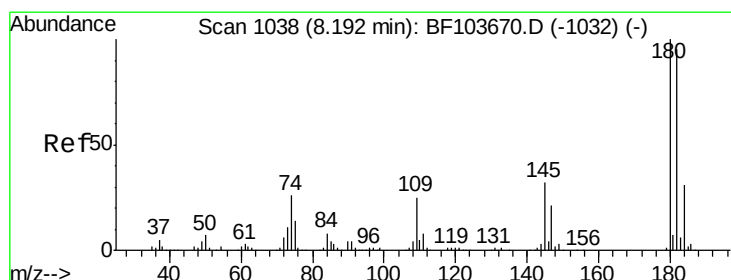
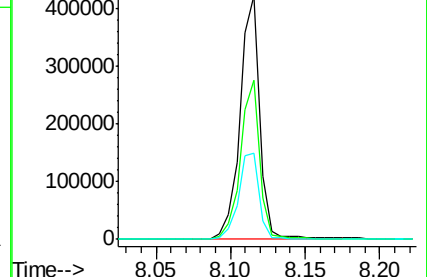
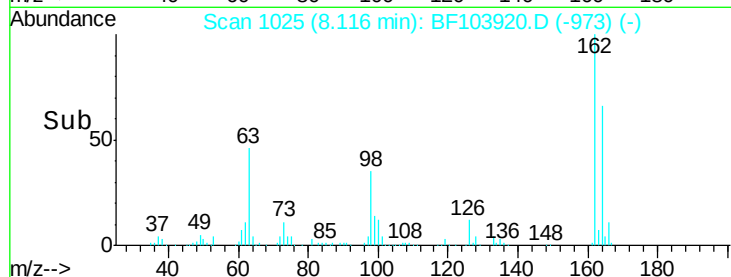
98 35.4 18.1 58.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 43.991 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

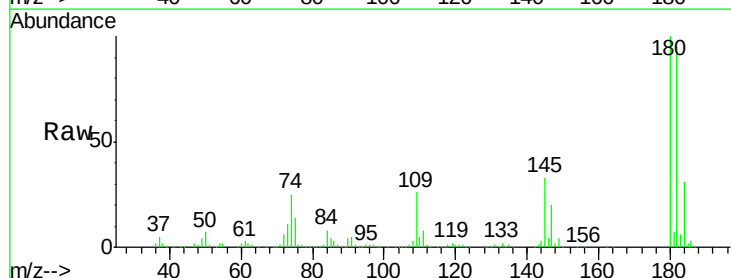
Tgt Ion:180 Resp: 406340

Ion Ratio Lower Upper

180 100

182 94.7 76.8 115.2

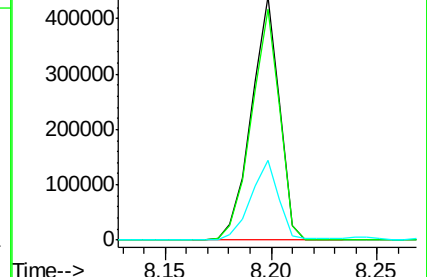
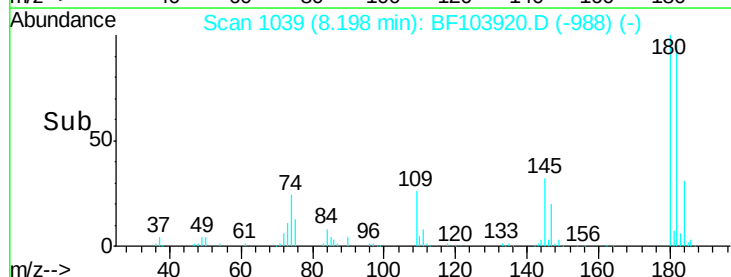
145 32.5 26.5 39.7

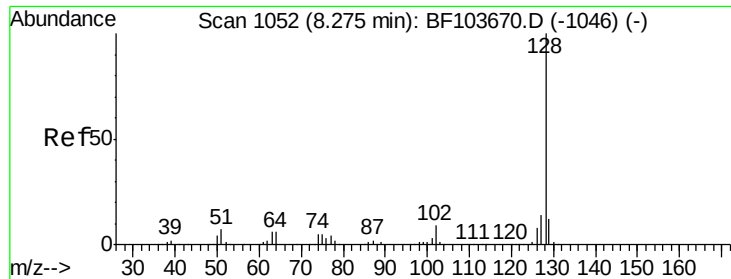


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

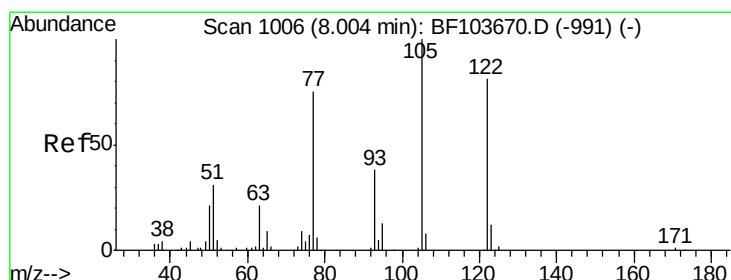
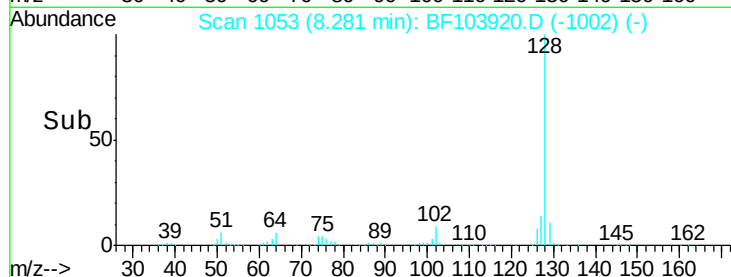
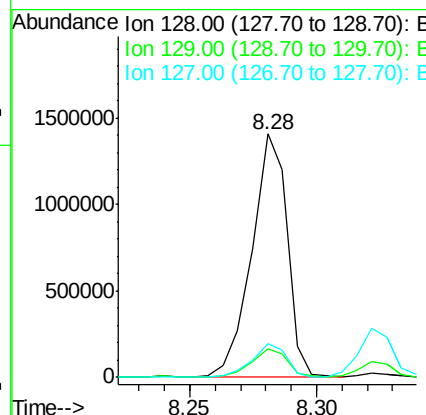
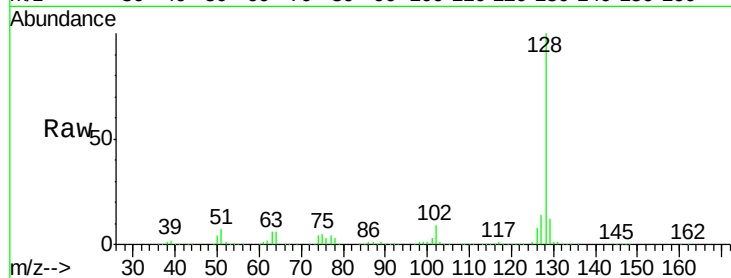




#31
Naphthalene
Concen: 44.235 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

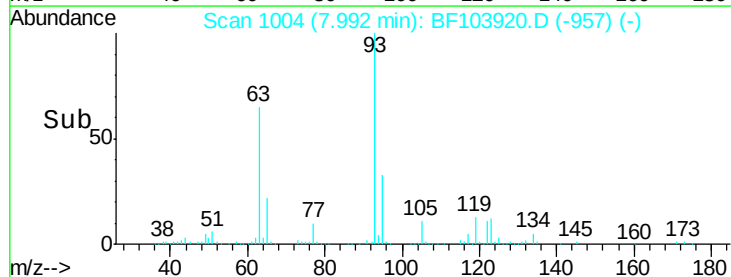
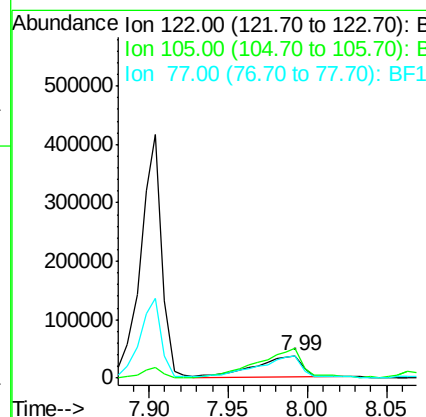
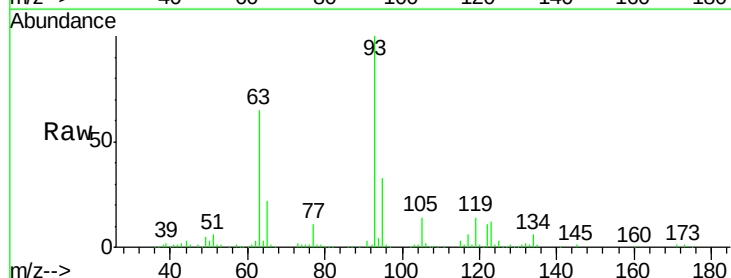
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

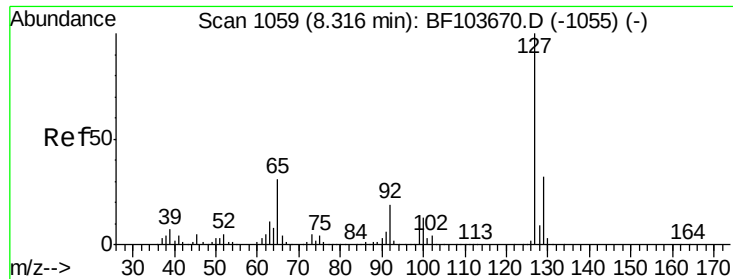
Tot Ion:128 Resp: 1375416
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.9 10.9 16.3



#32
Benzoic acid
Concen: 19.654 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:122 Resp: 75873
Ion Ratio Lower Upper
122 100
105 130.4 101.1 141.1
77 100.8 70.7 110.7

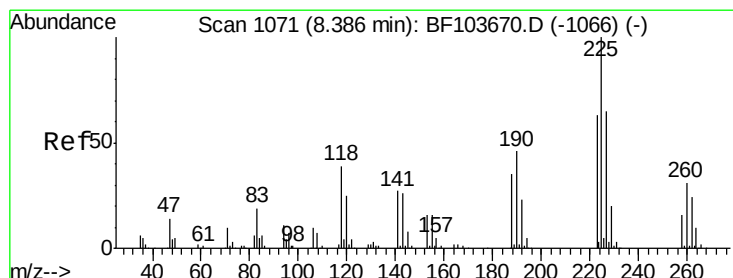
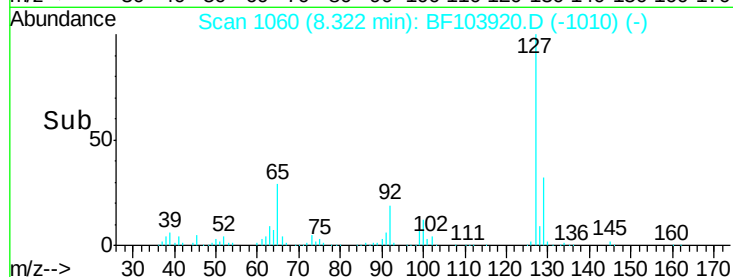
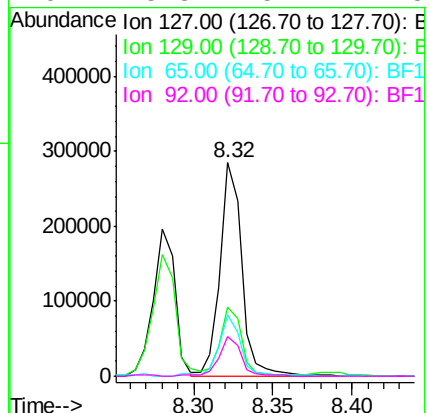
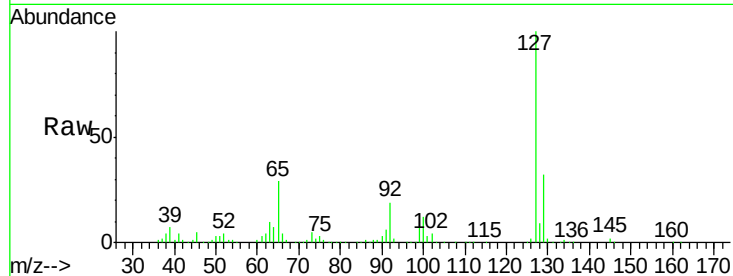




#33
4-Chloroaniline
Concen: 20.749 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

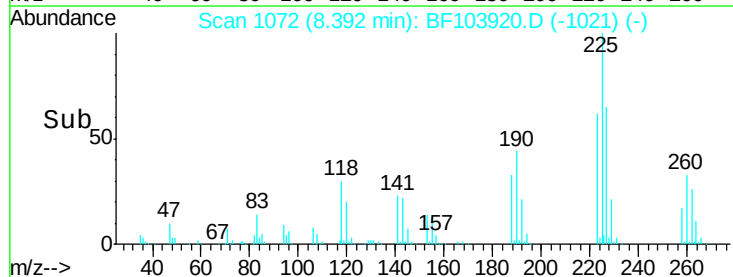
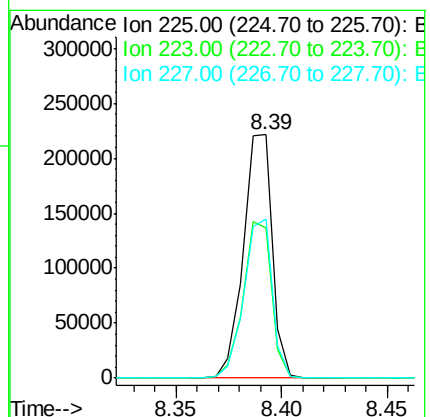
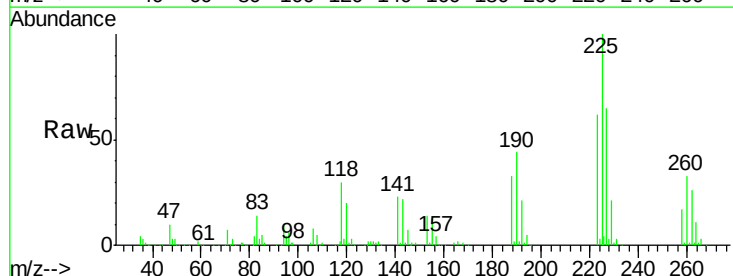
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

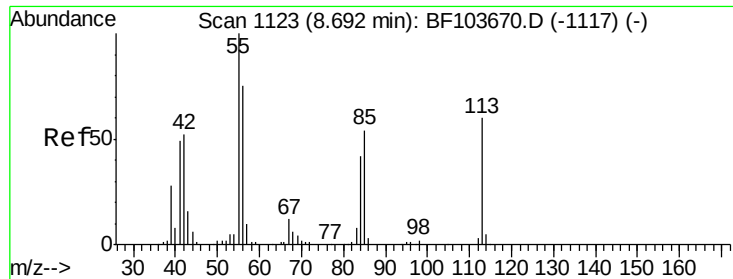
Tot Ion:	127	Resp:	270669
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	28.9	25.0	37.4
92	18.8	15.2	22.8



#34
Hexachlorobutadiene
Concen: 41.543 ng
RT: 8.39 min Scan# 1072
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:	225	Resp:	210390
Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.6	76.0
227	65.3	51.9	77.9

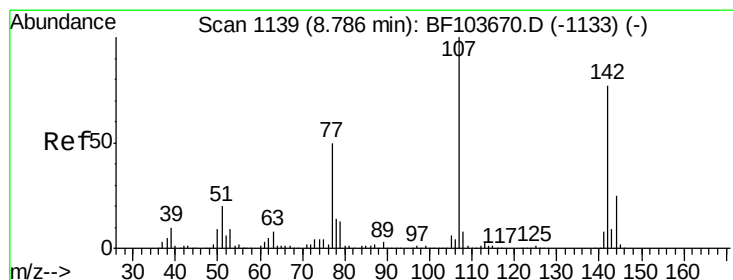
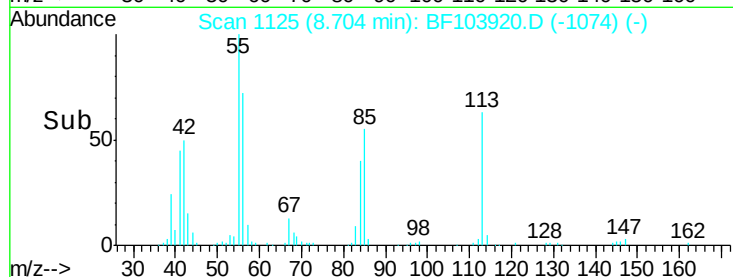
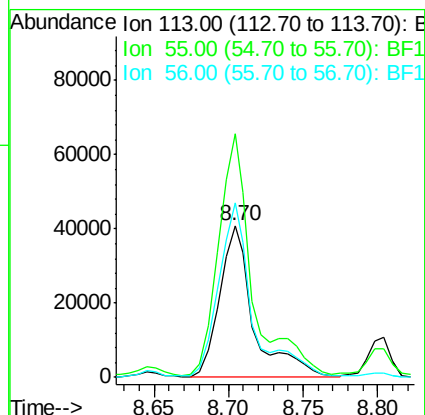
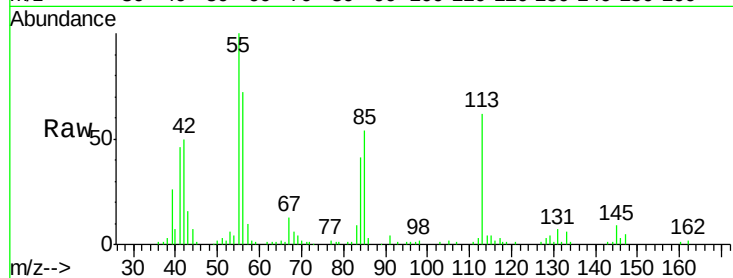




#35
 Caprolactam
 Concen: 23.982 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

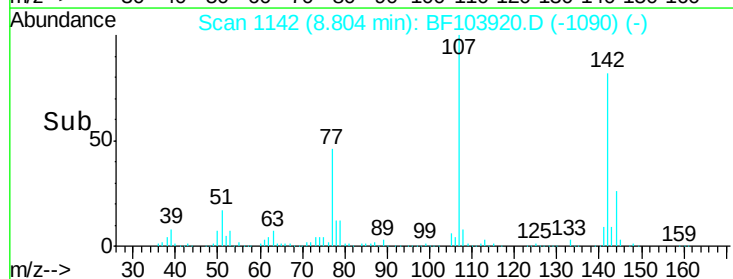
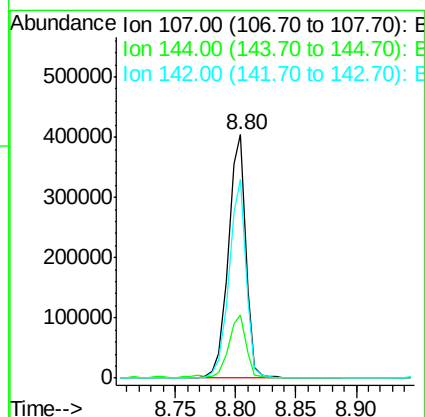
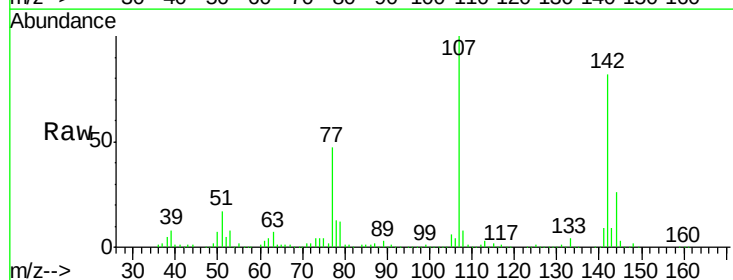
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

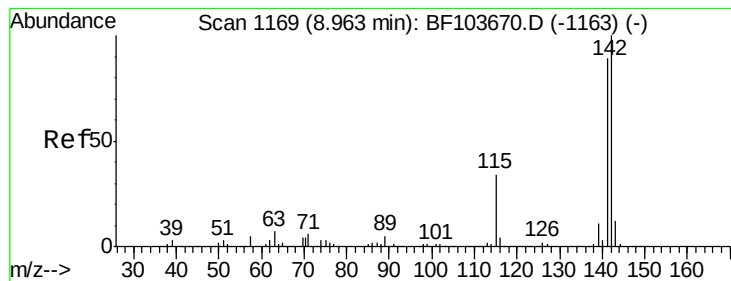
Tot Ion:113 Resp: 65766
 Ion Ratio Lower Upper
 113 100
 55 160.3 163.3 203.3#
 56 115.2 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 46.332 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:107 Resp: 406778
 Ion Ratio Lower Upper
 107 100
 144 25.8 20.5 30.7
 142 81.9 62.0 93.0

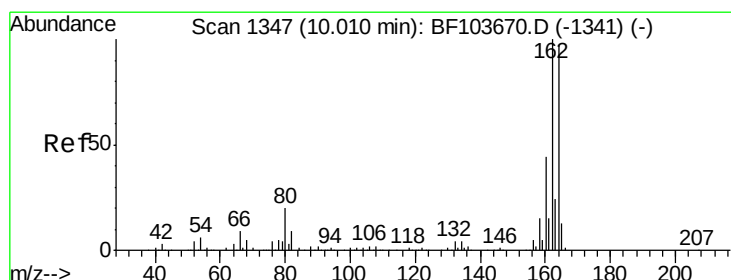
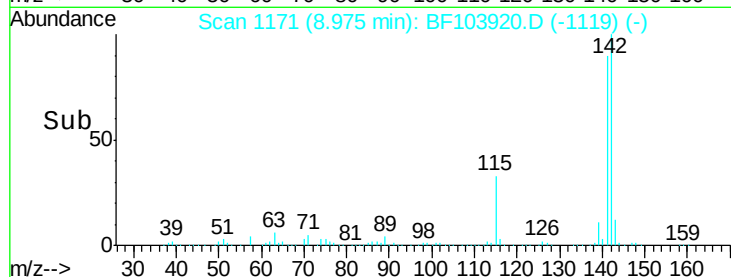
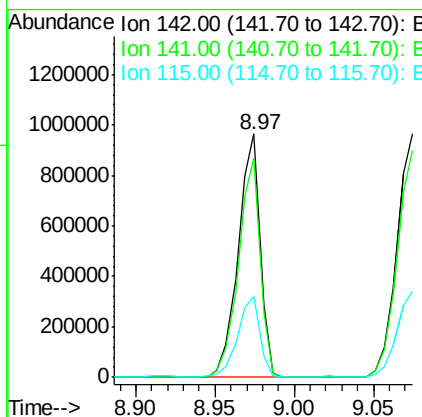
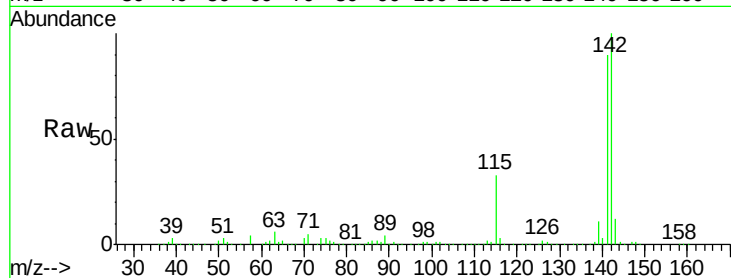




#37
 2-Methylnaphthalene
 Concen: 46.995 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

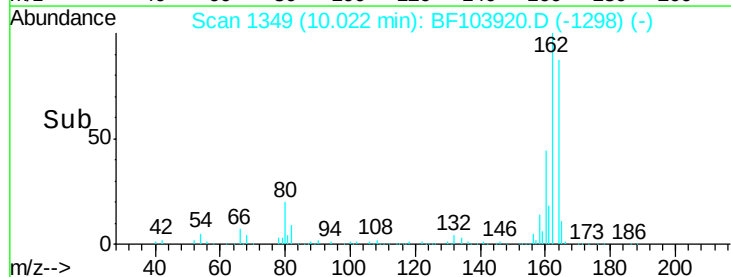
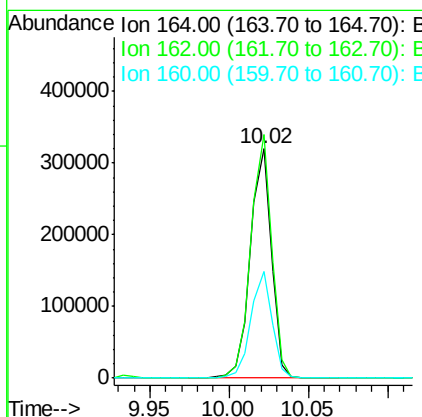
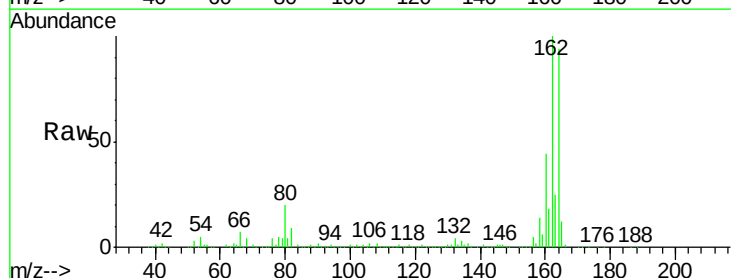
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

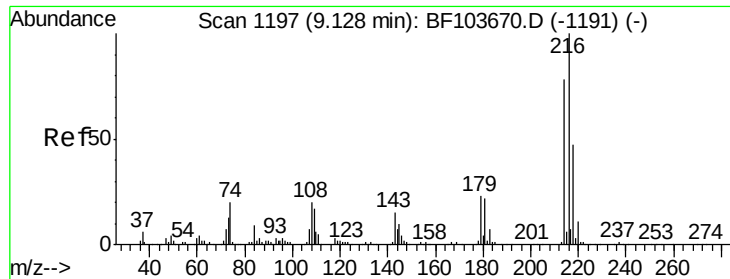
Tot Ion:142 Resp: 926654
 Ion Ratio Lower Upper
 142 100
 141 90.0 70.8 106.2
 115 33.3 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:164 Resp: 294668
 Ion Ratio Lower Upper
 164 100
 162 106.2 86.1 129.1
 160 46.5 38.3 57.5

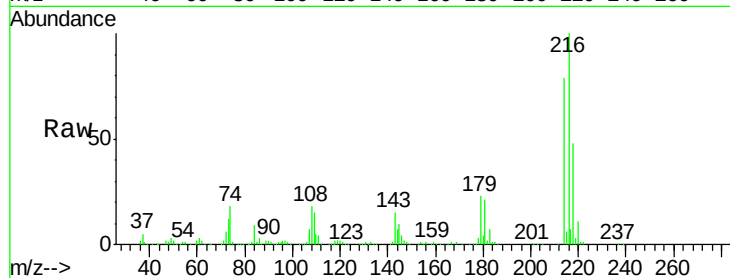




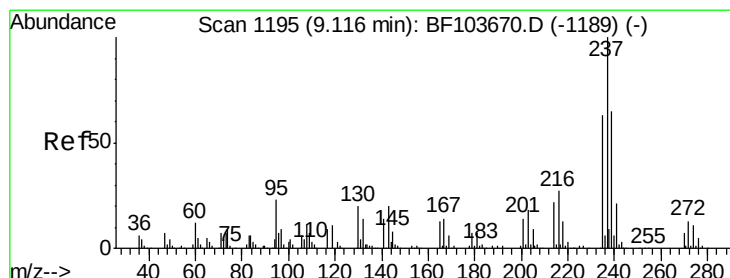
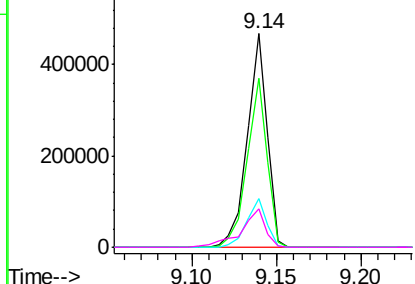
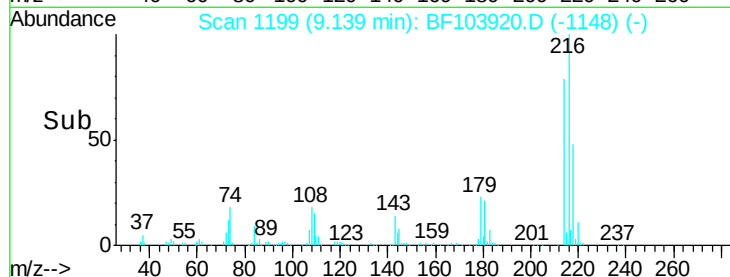
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.198 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

Tot Ion:216	Resp:	388363
Ion Ratio	Lower	Upper
216	100	
214	79.5	63.0 94.4
179	22.6	18.1 27.1
108	21.9	17.2 25.8

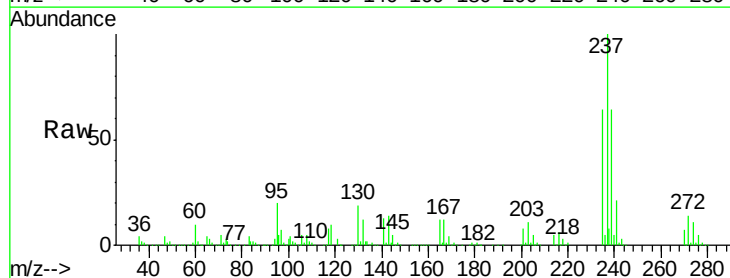


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

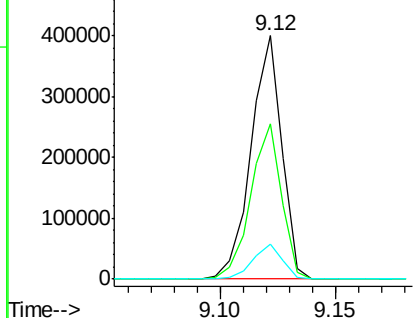
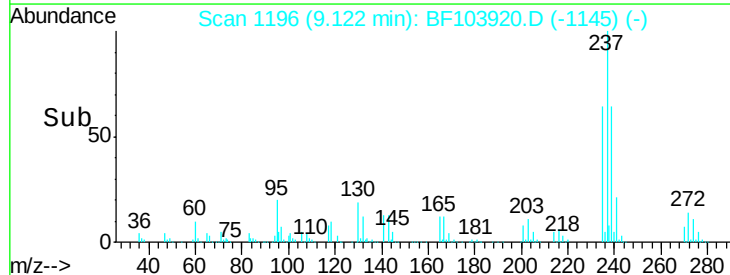


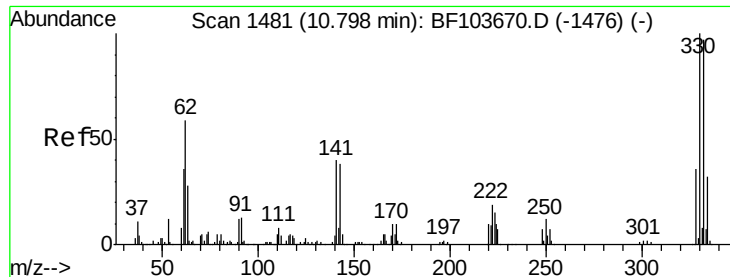
#40
 Hexachlorocyclopentadiene
 Concen: 85.822 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:237	Resp:	372280
Ion Ratio	Lower	Upper
237	100	
235	63.5	44.8 84.8
272	14.5	0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

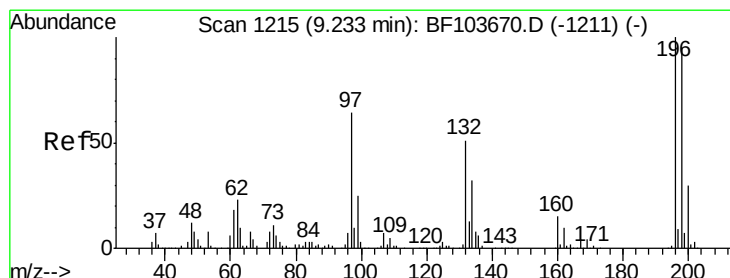
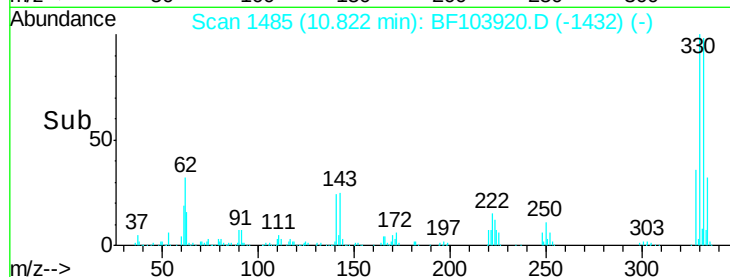
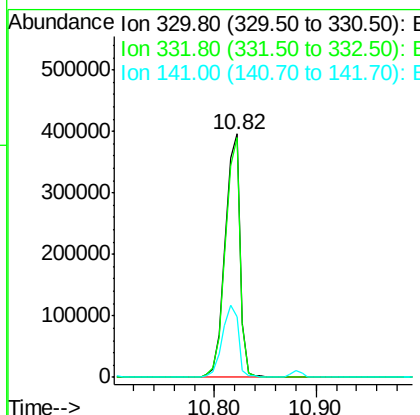
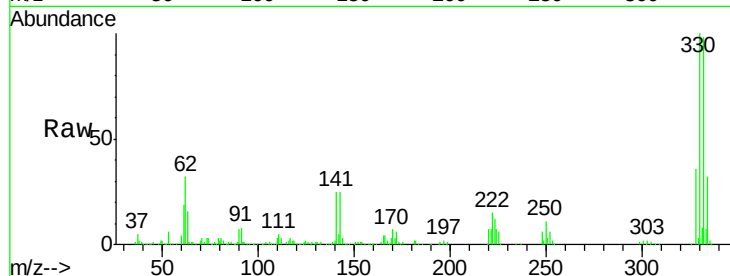




#41
 2,4,6-Tribromophenol
 Concen: 160.670 ng
 RT: 10.82 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

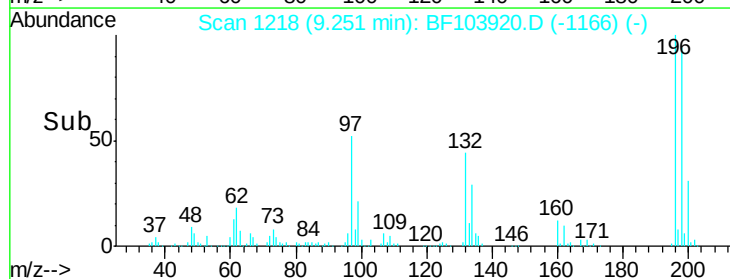
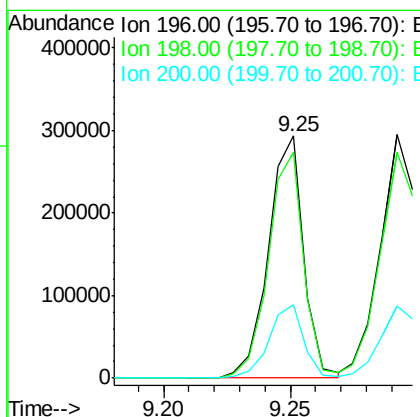
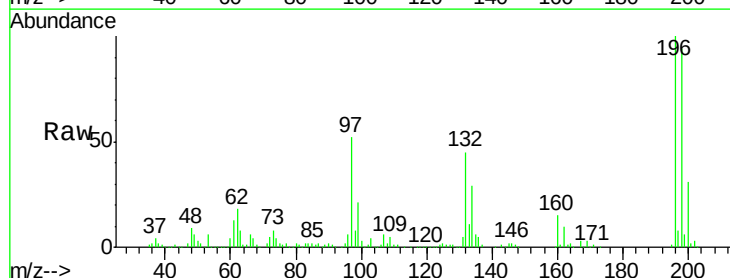
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

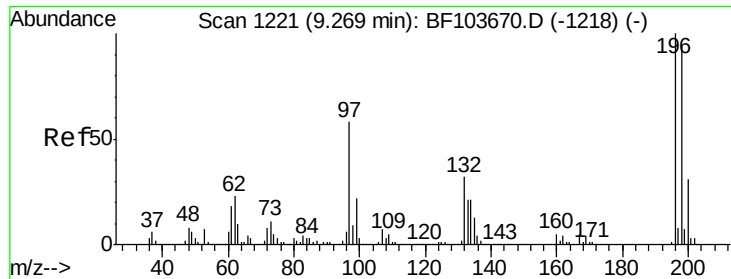
Tot Ion	330	332	141
Resp	407069		
Ion Ratio	100	96.7	31.7
Lower		77.0	29.9
Upper		115.6	44.9



#42
 2,4,6-Trichlorophenol
 Concen: 53.030 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion	196	198	200
Resp	285147		
Ion Ratio	100	93.5	30.6
Lower		75.7	24.5
Upper		113.5	36.7

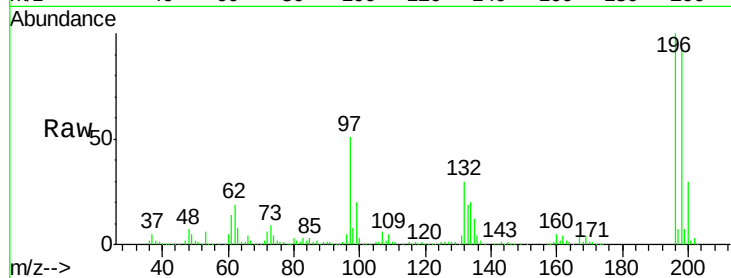




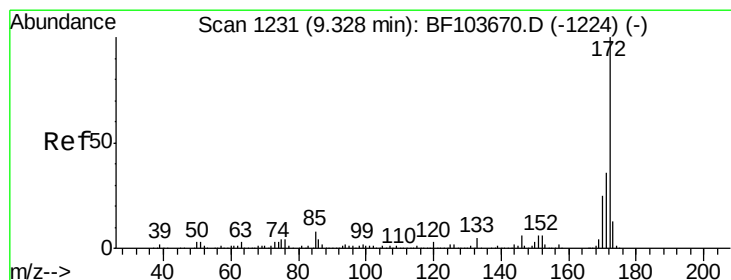
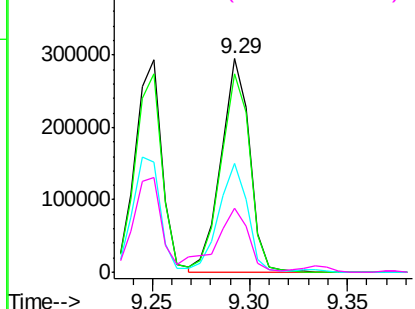
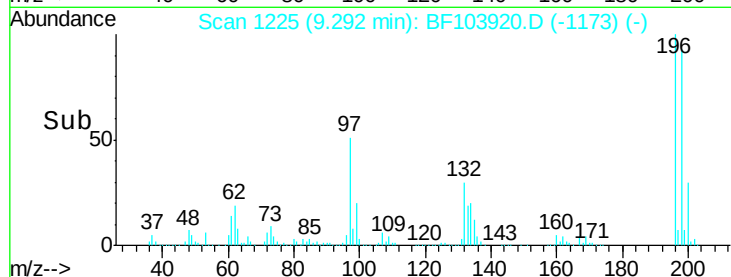
#43
2,4,5-Trichlorophenol
Concen: 49.253 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
C19013071MSD

Tot Ion:	196	Resp:	298916
Ion	Ratio	Lower	Upper
196	100		
198	92.6	74.6	112.0
97	51.0	42.9	64.3
132	30.0	26.3	39.5

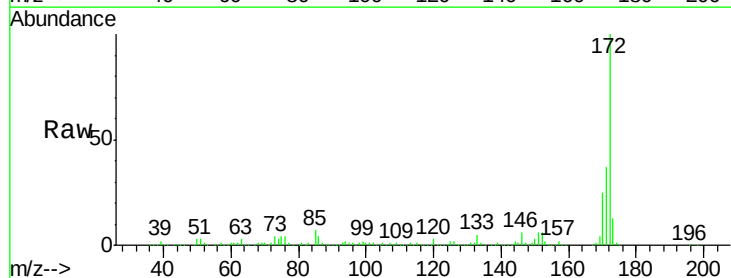


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF1
Ion 132.00 (131.70 to 132.70): E

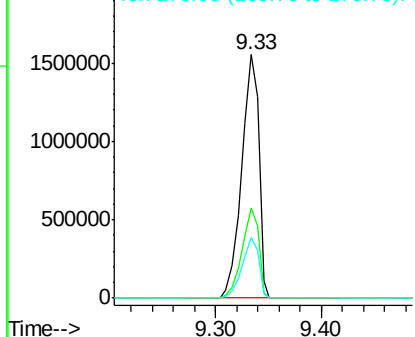
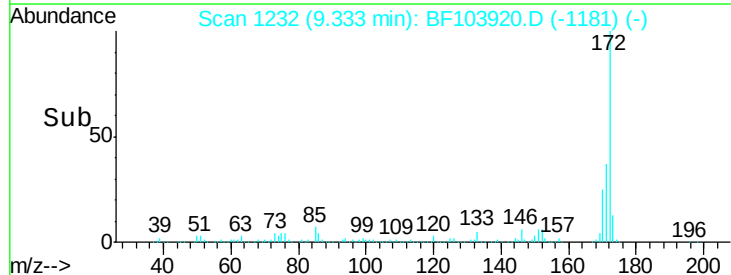


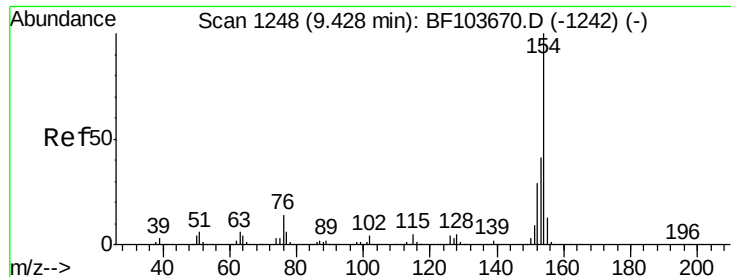
#44
2-Fluorobiphenyl
Concen: 92.963 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:	172	Resp:	1717281
Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.8	19.6	29.4



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

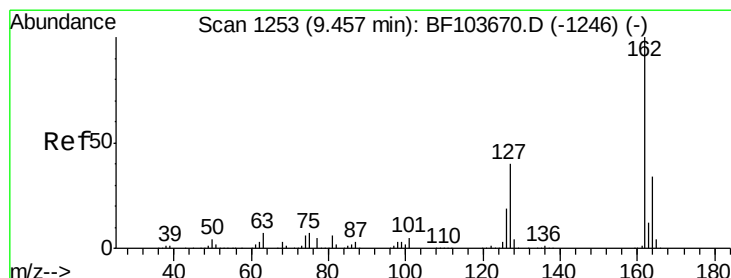
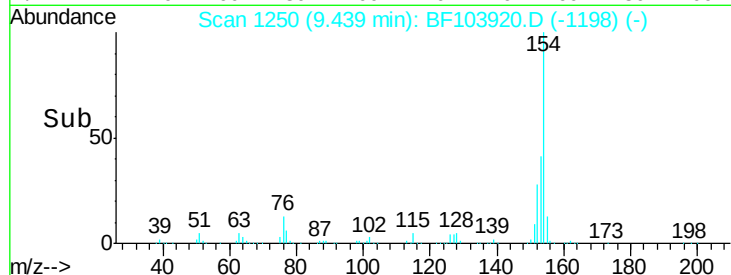
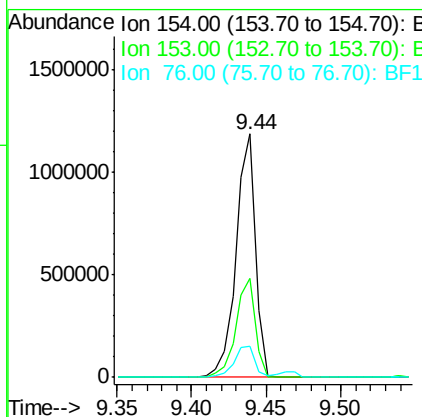
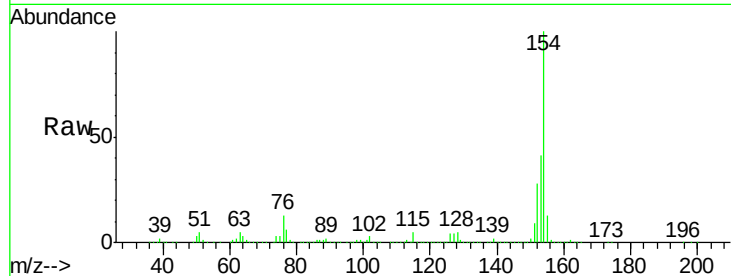




#45
 1,1'-Biphenyl
 Concen: 44.093 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

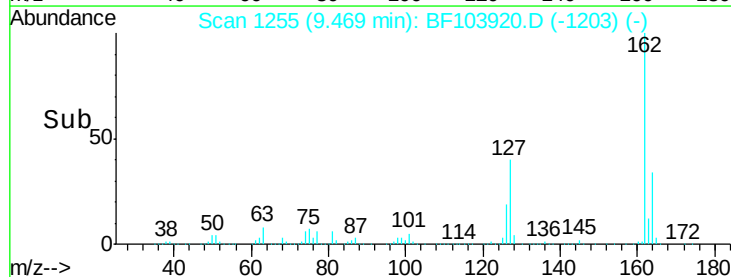
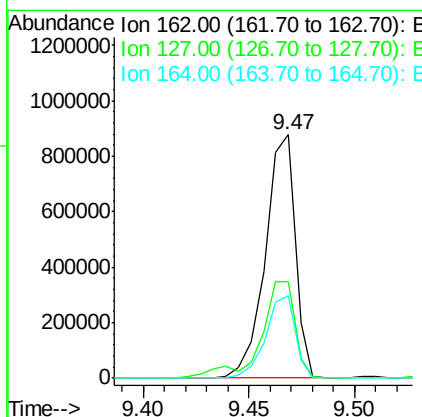
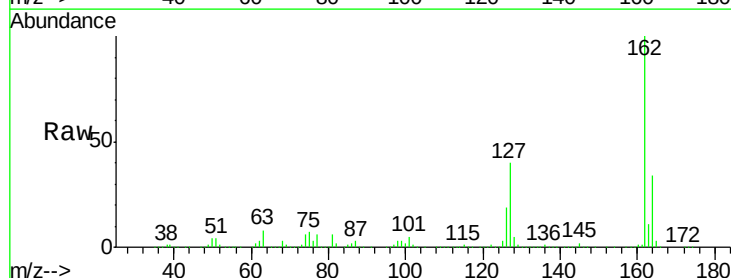
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

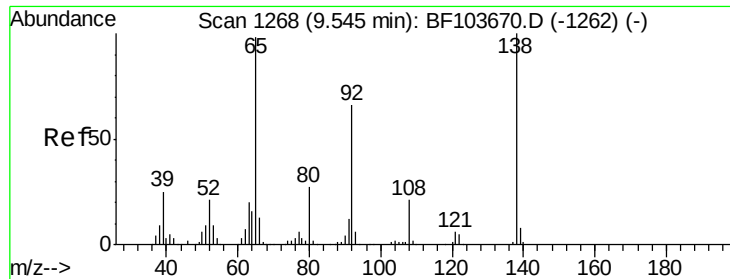
Tot Ion:154 Resp: 1083399
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.3 61.3
 76 12.8 0.0 34.0



#46
 2-Chloronaphthalene
 Concen: 44.569 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:162 Resp: 869808
 Ion Ratio Lower Upper
 162 100
 127 39.8 33.9 50.9
 164 33.7 26.5 39.7

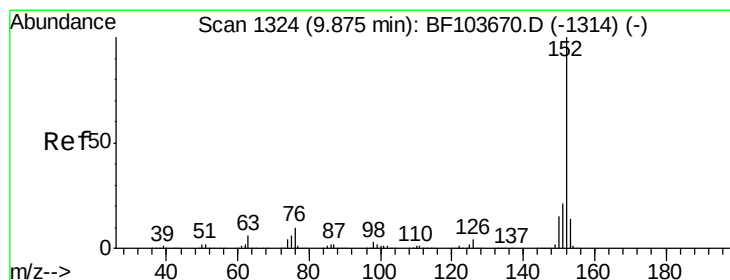
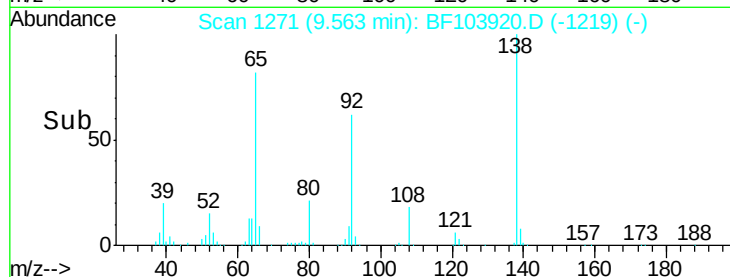
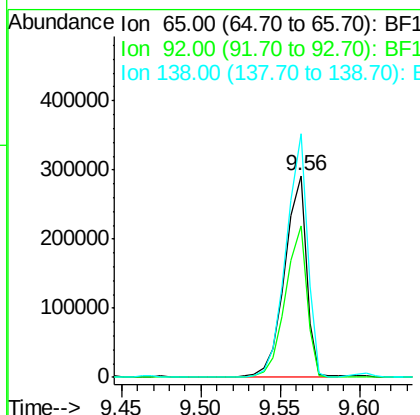
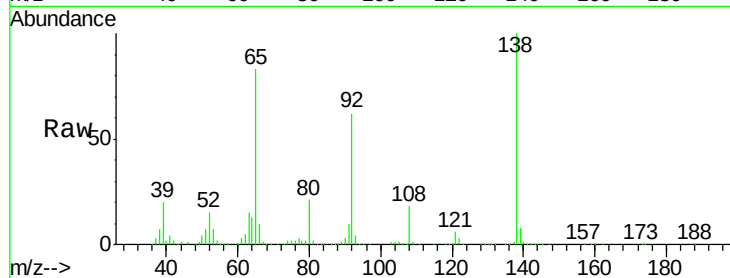




#47
2-Nitroaniline
Concen: 53.734 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

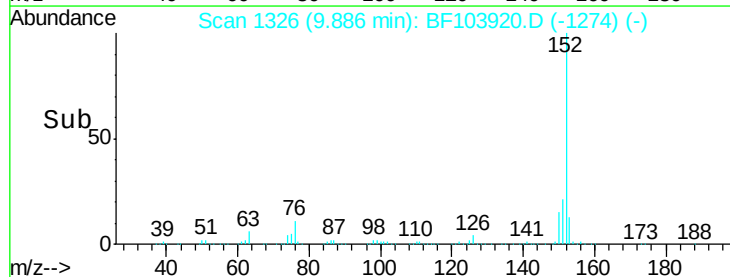
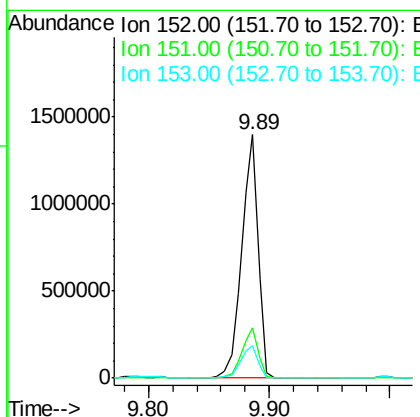
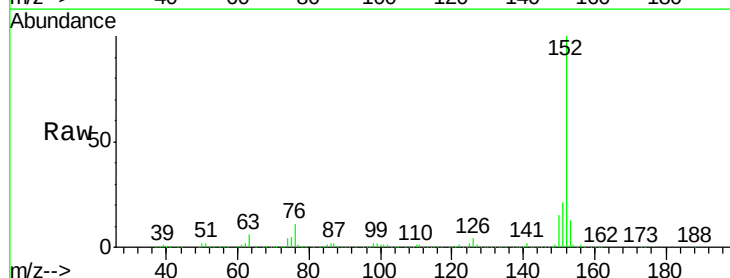
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

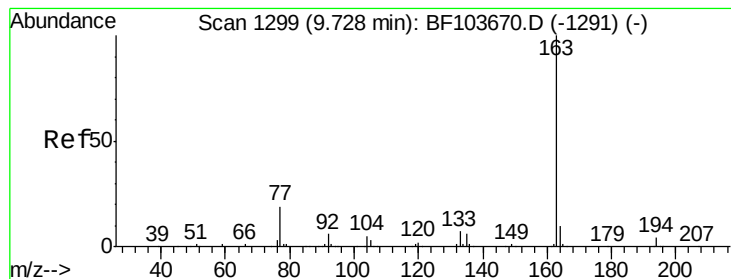
Tot Ion: 65 Resp: 279175
Ion Ratio Lower Upper
65 100
92 74.9 55.8 83.6
138 120.8 91.2 136.8



#48
Acenaphthylene
Concen: 43.738 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion: 152 Resp: 1323635
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 13.4 10.7 16.1





#49

Dimethylphthalate

Concen: 48.831 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

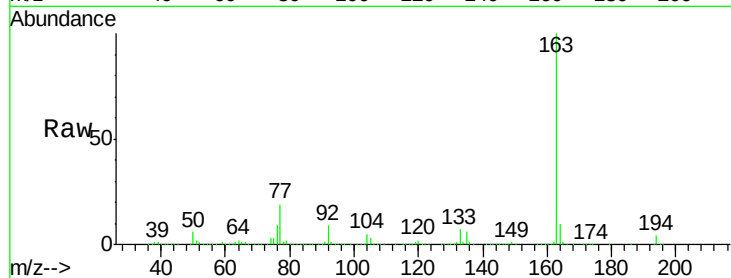
Tot Ion:163 Resp: 1097810

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

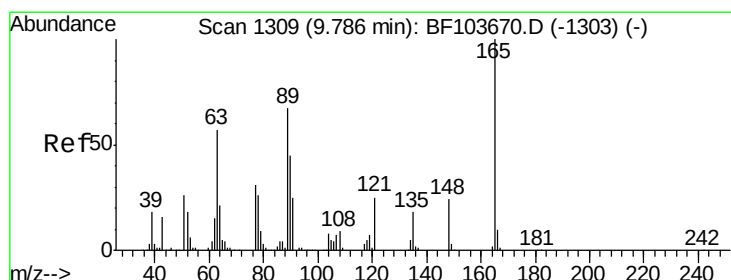
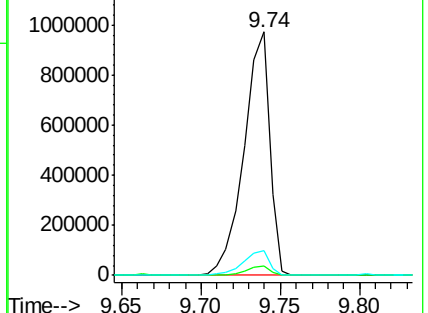
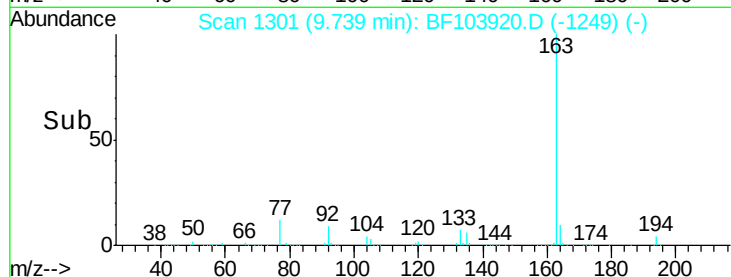
164 10.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 54.364 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

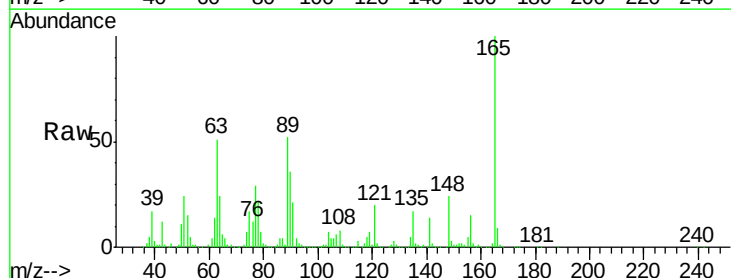
Tgt Ion:165 Resp: 238934

Ion Ratio Lower Upper

165 100

63 50.6 44.7 67.1

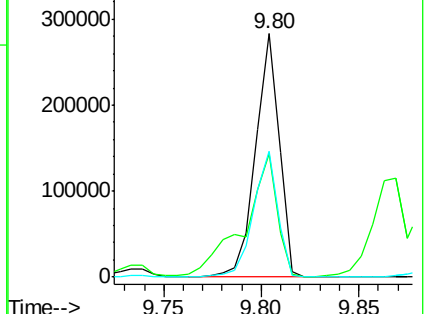
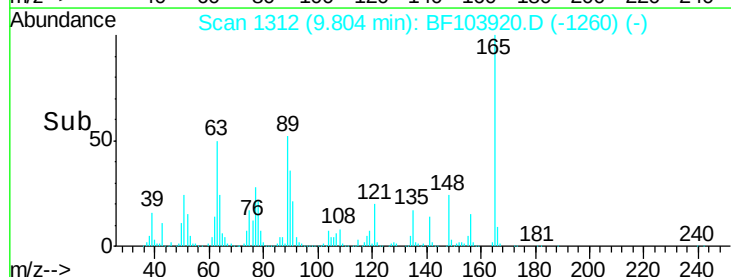
89 51.8 44.0 66.0

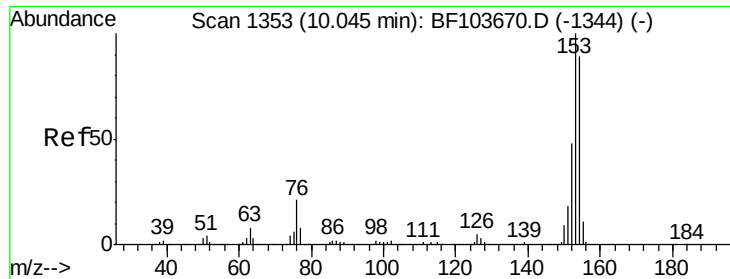


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 44.370 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

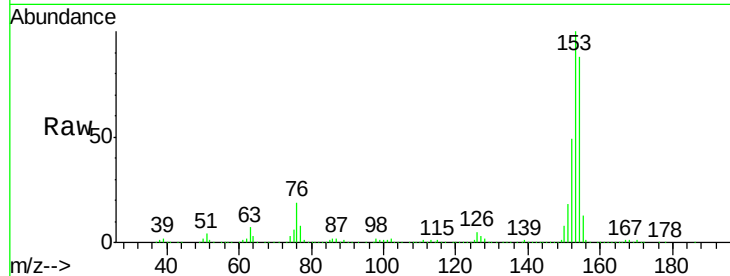
Tot Ion:154 Resp: 797289

Ion Ratio Lower Upper

154 100

153 114.2 91.2 136.8

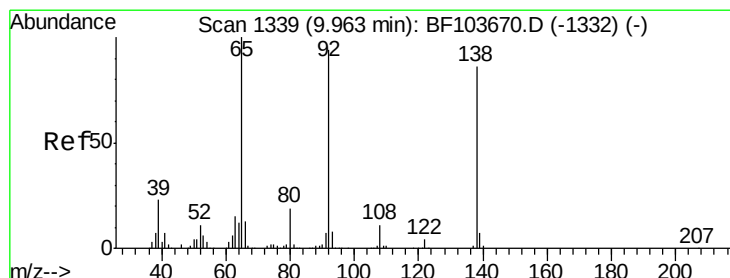
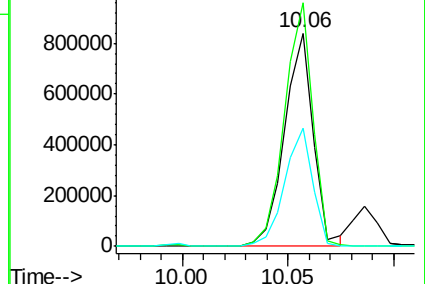
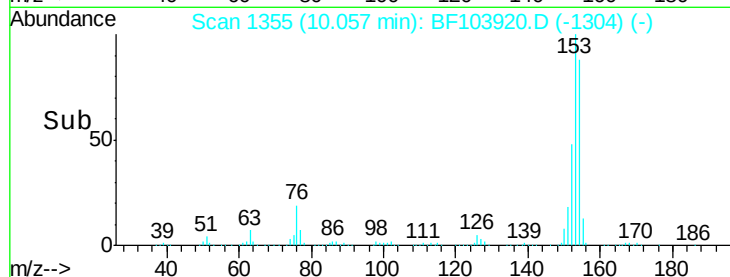
152 55.4 43.8 65.8



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



#52

3-Nitroaniline

Concen: 31.447 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

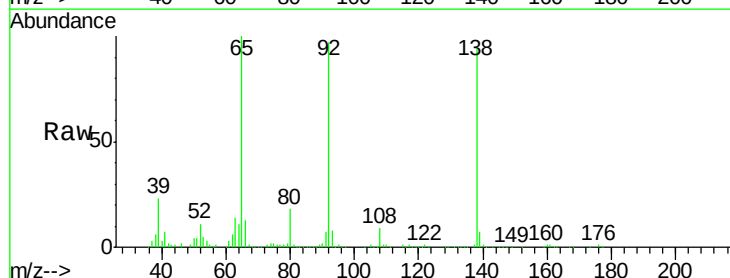
Tgt Ion:138 Resp: 156457

Ion Ratio Lower Upper

138 100

108 10.0 9.4 14.0

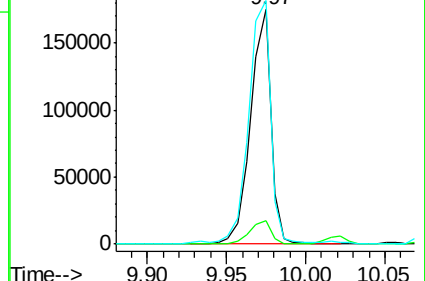
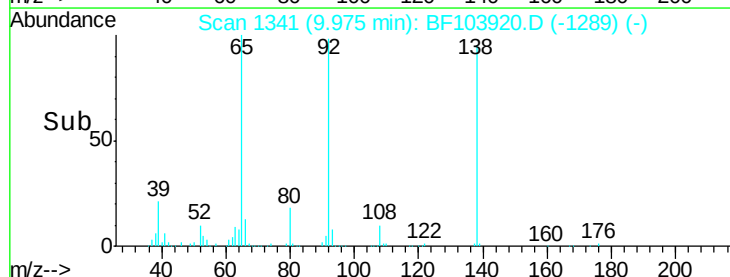
92 103.8 89.4 134.2

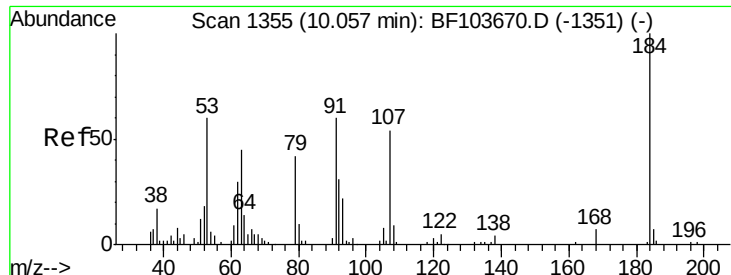


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

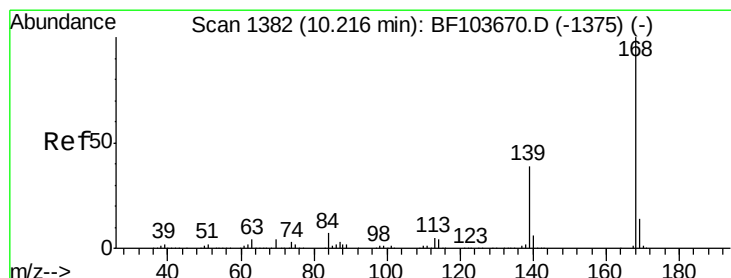
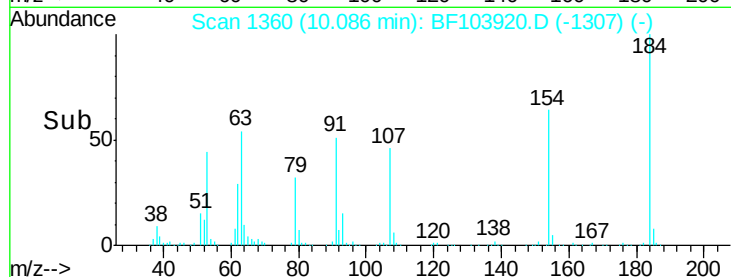
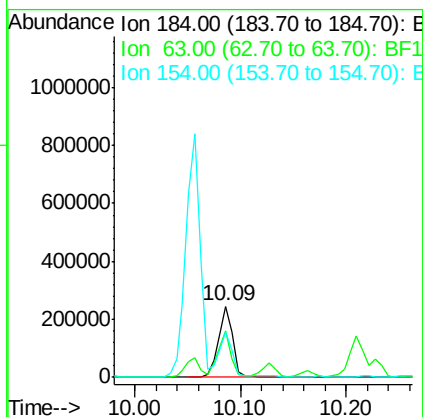
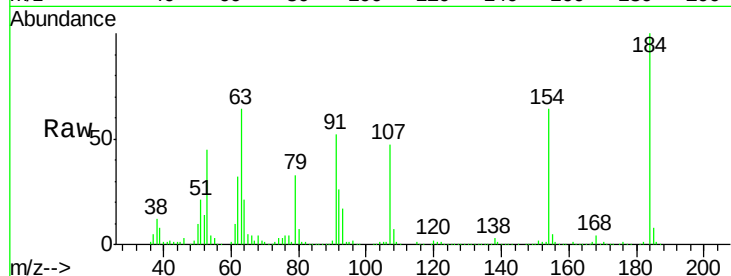




#53
2,4-Dinitrophenol
Concen: 125.403 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

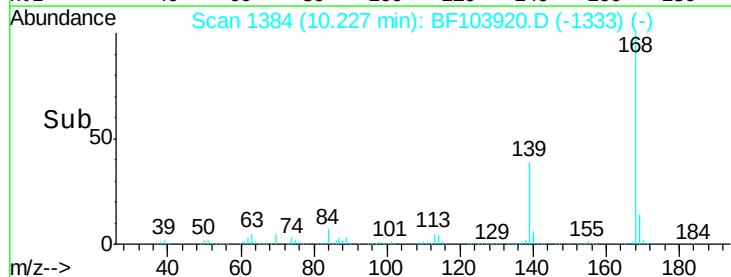
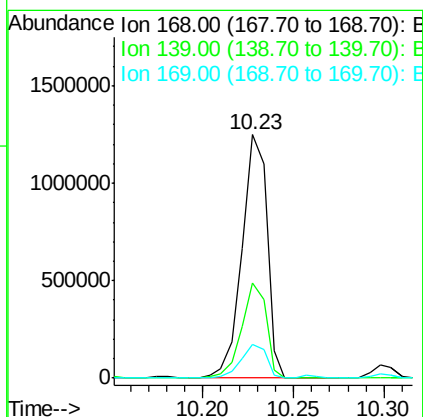
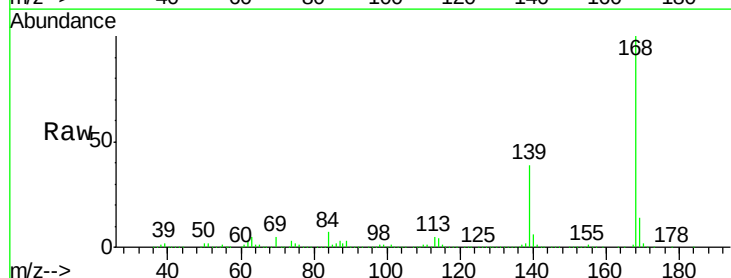
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

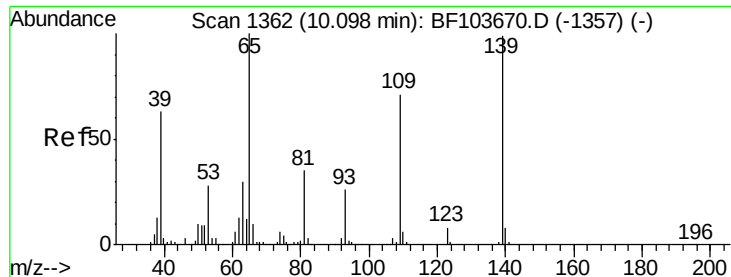
Tot Ion:184 Resp: 242064
Ion Ratio Lower Upper
184 100
63 64.5 54.2 81.2
154 64.4 184.0 276.0#



#54
Dibenzofuran
Concen: 46.870 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:168 Resp: 1202871
Ion Ratio Lower Upper
168 100
139 39.3 30.1 45.1
169 14.1 10.9 16.3

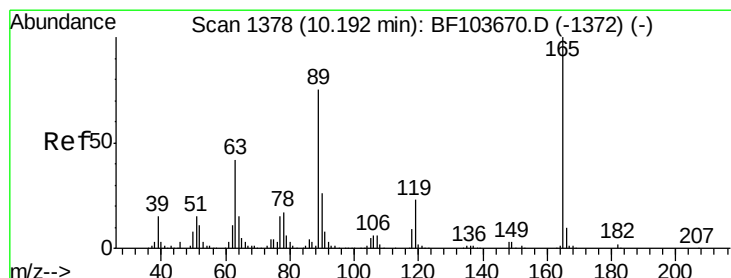
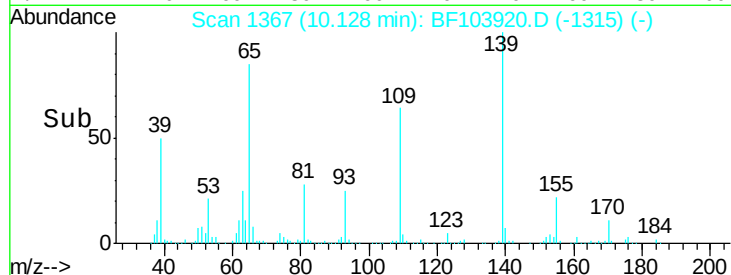
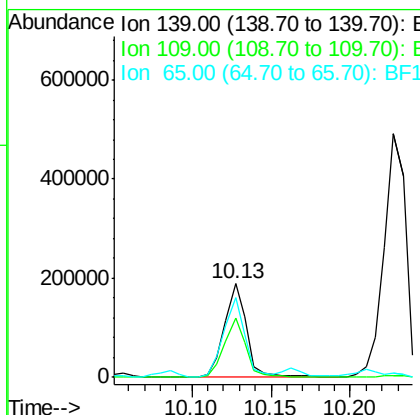
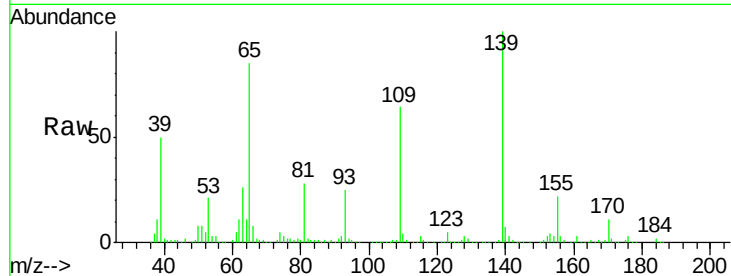




#55
4-Nitrophenol
Concen: 46.866 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

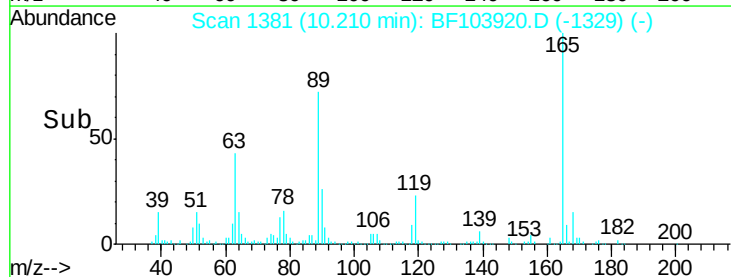
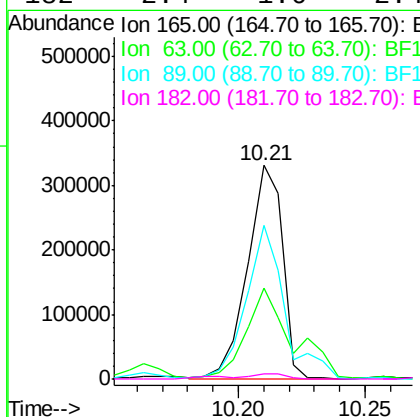
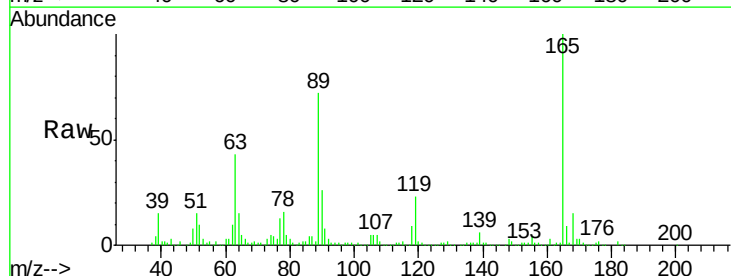
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

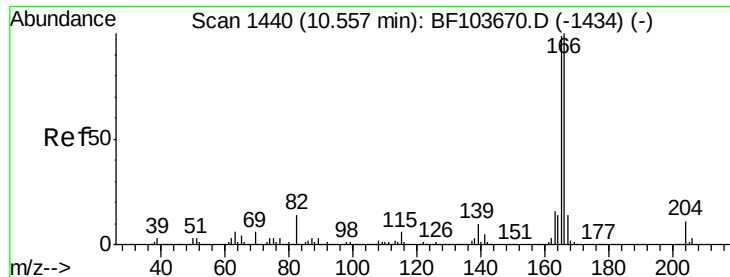
Tot Ion:139 Resp: 183866
Ion Ratio Lower Upper
139 100
109 63.9 48.4 88.4
65 84.7 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 56.538 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:165 Resp: 318501
Ion Ratio Lower Upper
165 100
63 42.8 36.4 54.6
89 72.0 57.8 86.6
182 2.4 1.6 2.4

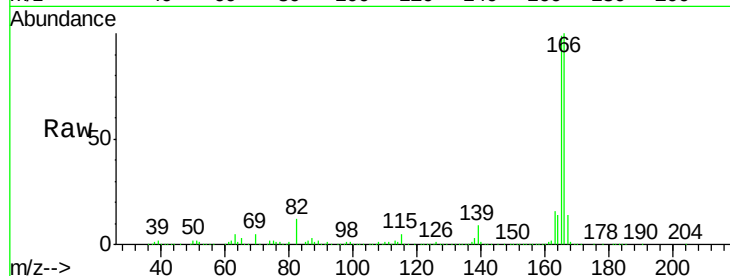




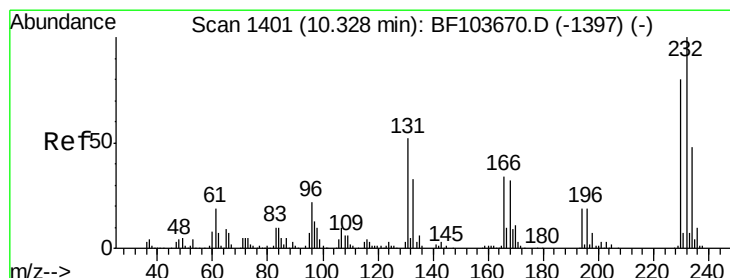
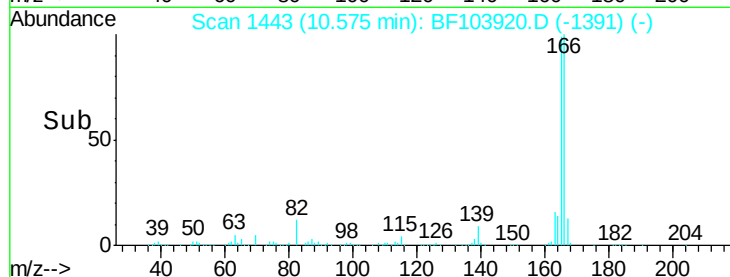
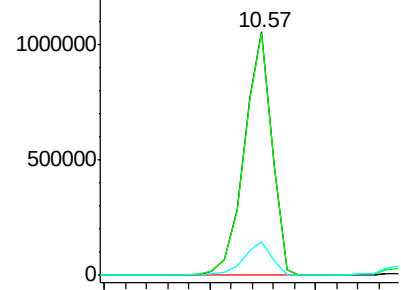
#57
 Fluorene
 Concen: 47.909 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	13.6	10.6	16.0

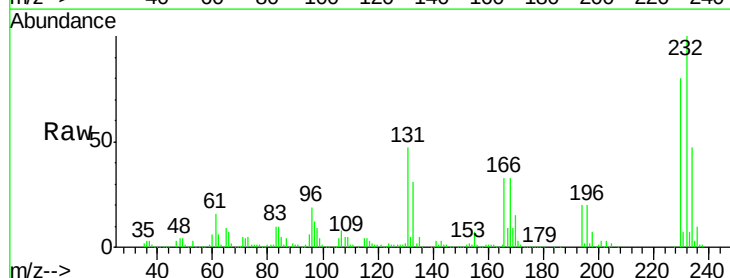


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

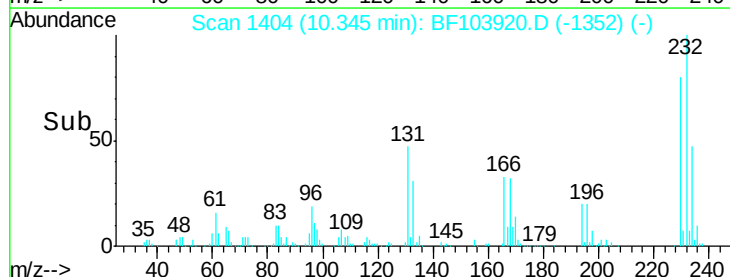
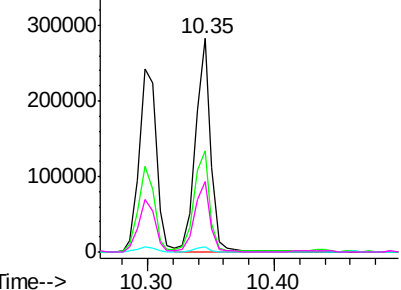


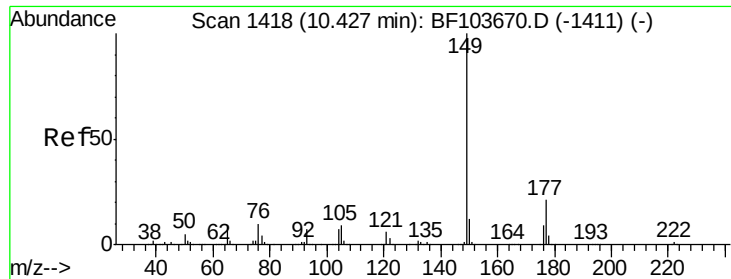
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 54.965 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion	Ratio	Lower	Upper
232	100		
131	47.9	43.8	65.8
130	2.9	2.1	3.1
166	32.9	27.8	41.6



Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

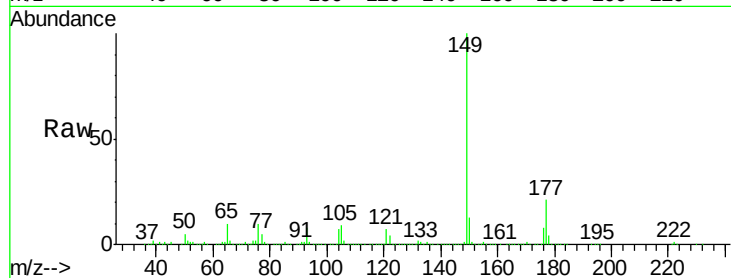




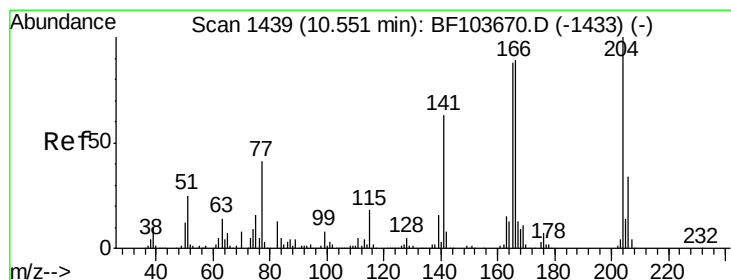
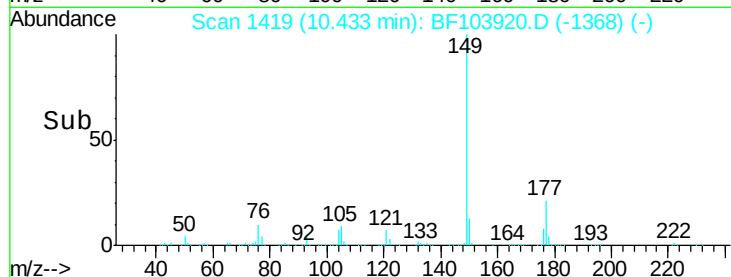
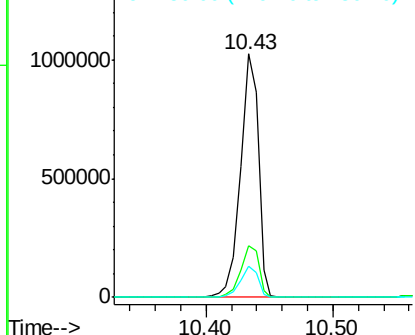
#59
Diethylphthalate
Concen: 44.464 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
C19013071MSD

Tot Ion:149 Resp: 992149
Ion Ratio Lower Upper
149 100
177 21.3 16.1 24.1
150 12.9 10.1 15.1

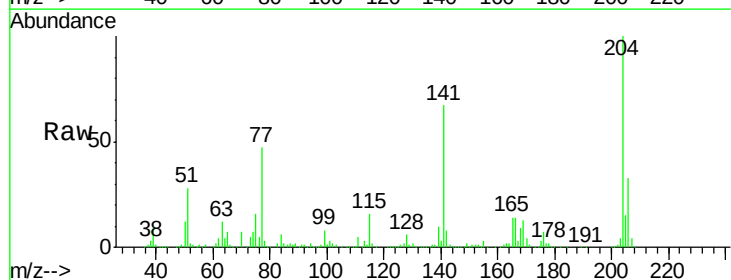


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

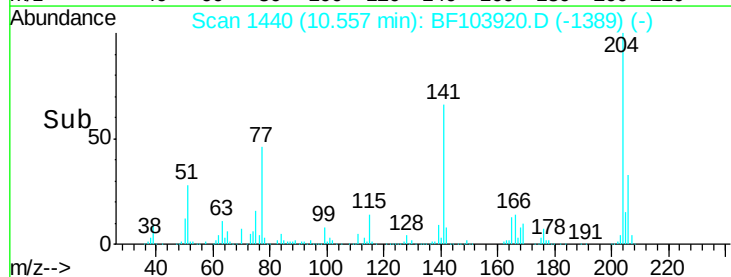
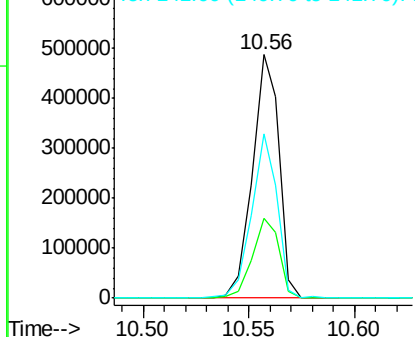


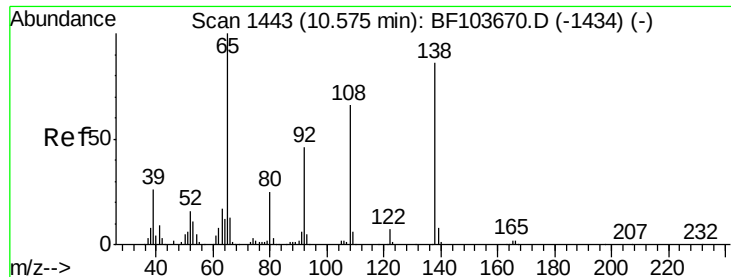
#60
4-Chlorophenyl-phenylether
Concen: 46.922 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:204 Resp: 427043
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 67.3 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

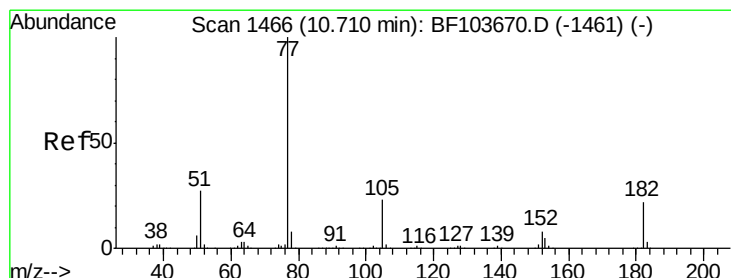
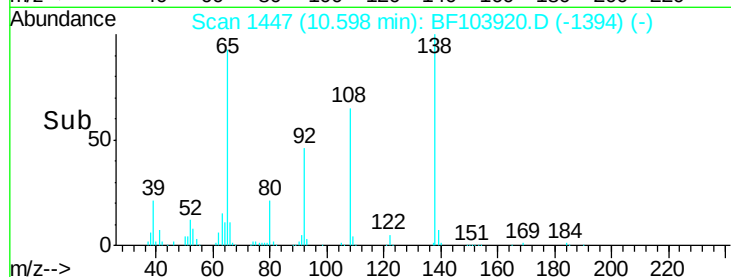
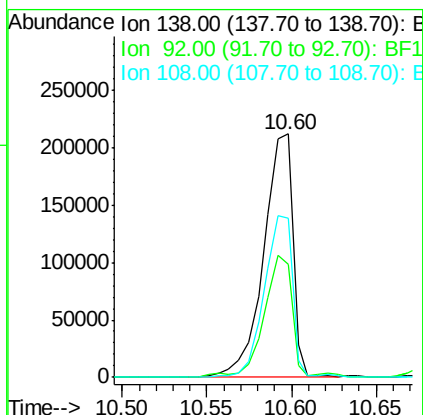
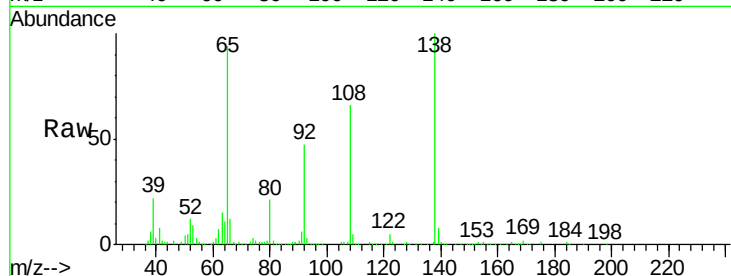




#61
4-Nitroaniline
Concen: 50.631 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

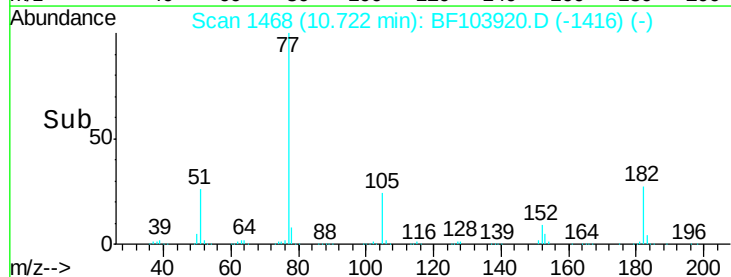
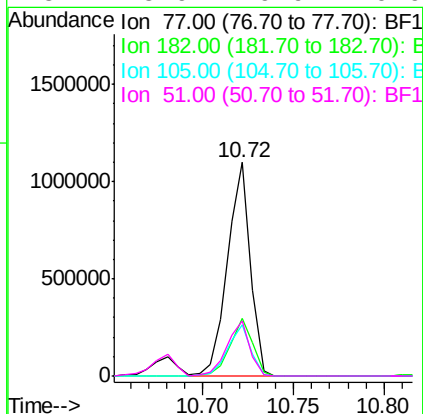
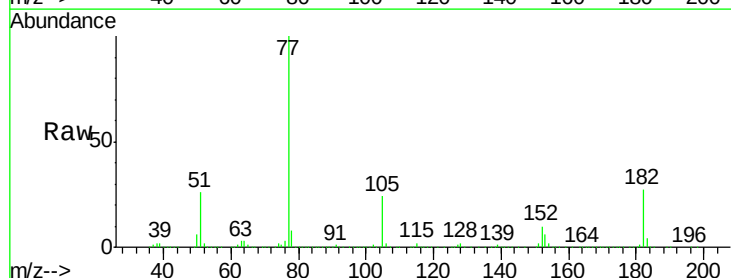
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

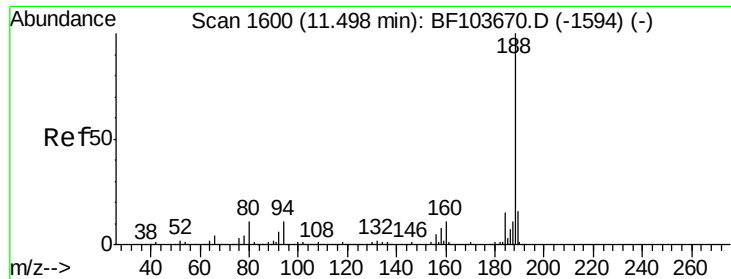
Tot Ion:138 Resp: 255105
Ion Ratio Lower Upper
138 100
92 46.6 30.2 70.2
108 65.5 52.5 92.5



#62
Azobenzene
Concen: 42.426 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion: 77 Resp: 962459
Ion Ratio Lower Upper
77 100
182 27.2 1.7 41.7
105 24.2 3.0 43.0
51 25.9 9.9 49.9

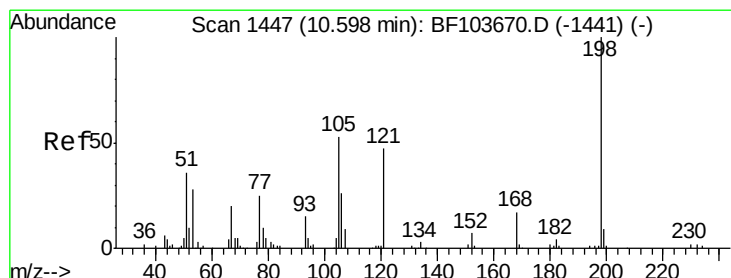
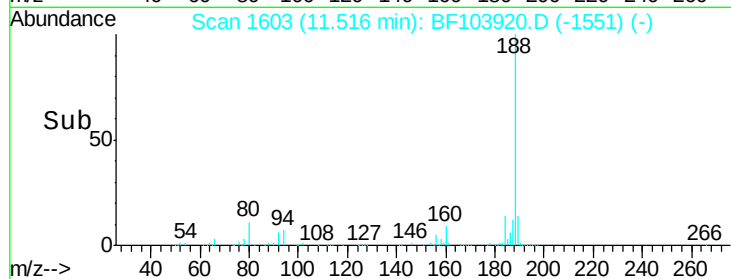
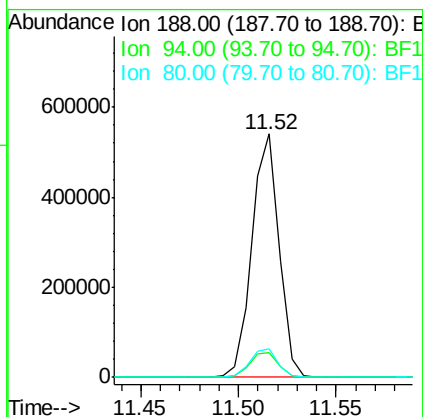
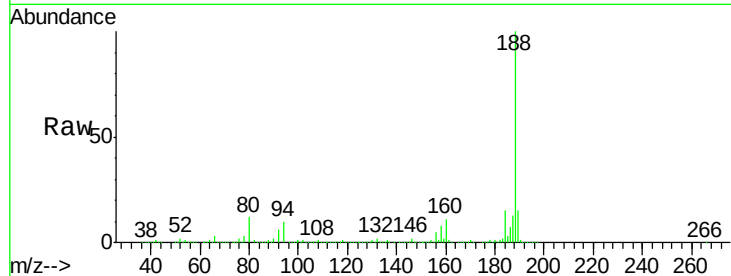




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

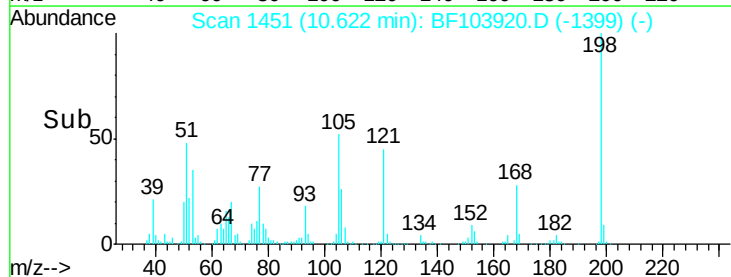
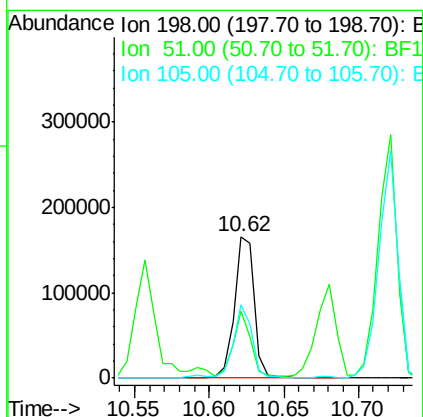
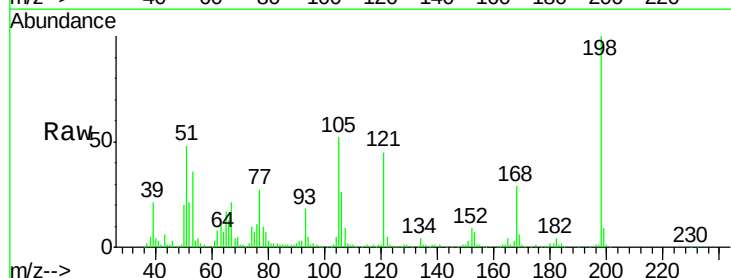
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

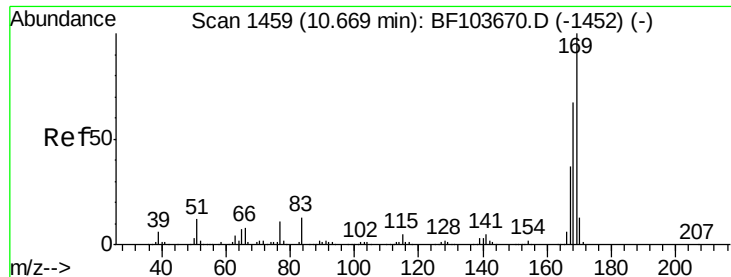
Tot Ion:188 Resp: 519939
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 68.224 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:198 Resp: 155896
Ion Ratio Lower Upper
198 100
51 47.9 37.7 77.7
105 51.6 36.3 76.3





#65

n-Nitrosodiphenylamine

Concen: 47.428 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

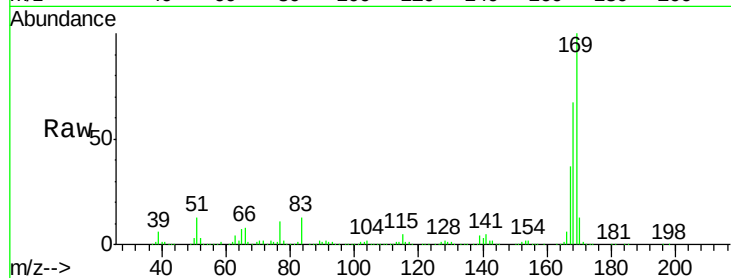
BNA_F

ClientSampleId :

C19013071MSD

Tot Ion:169 Resp: 839366

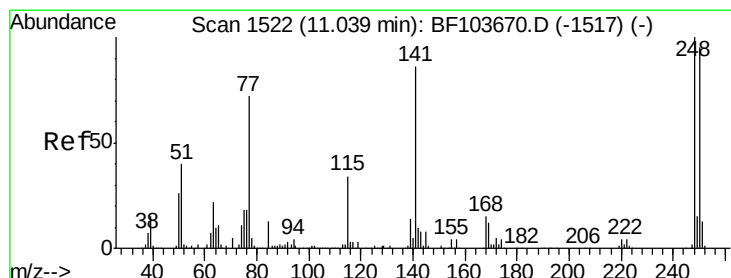
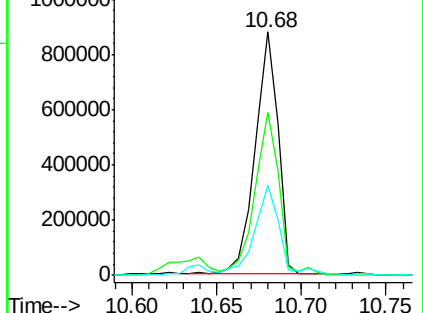
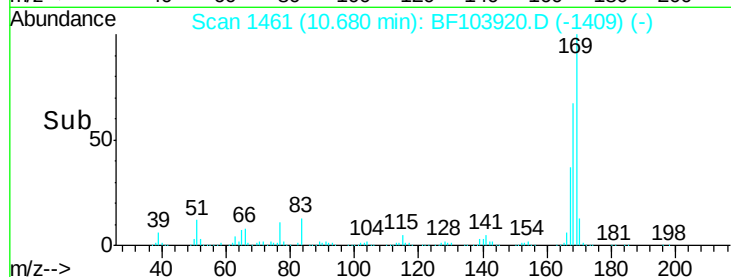
Ion	Ratio	Lower	Upper
169	100		
168	67.2	54.4	81.6
167	36.8	29.8	44.6



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 49.943 ng

RT: 11.05 min Scan# 1524

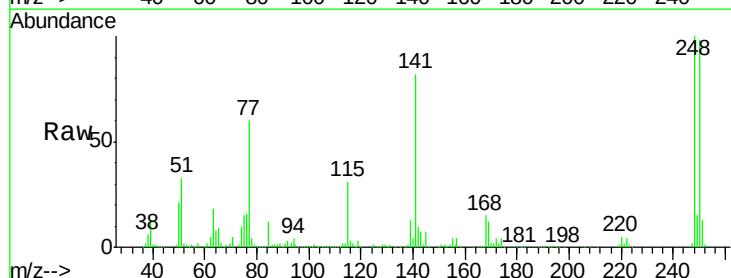
Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Tgt Ion:248 Resp: 266614

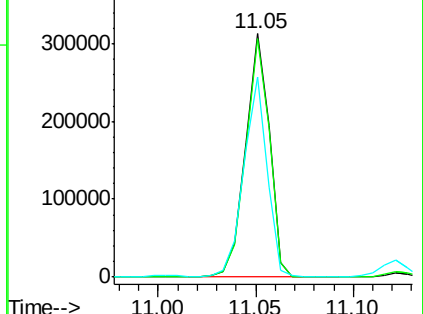
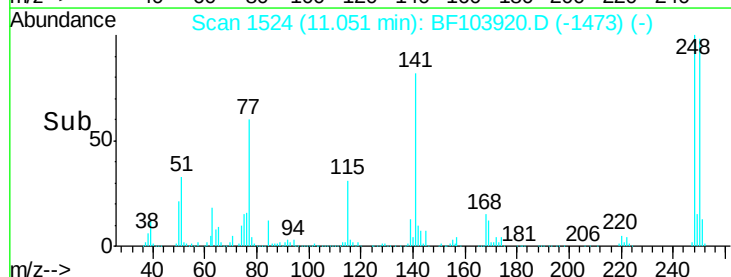
Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.9	115.3
141	82.0	74.4	111.6

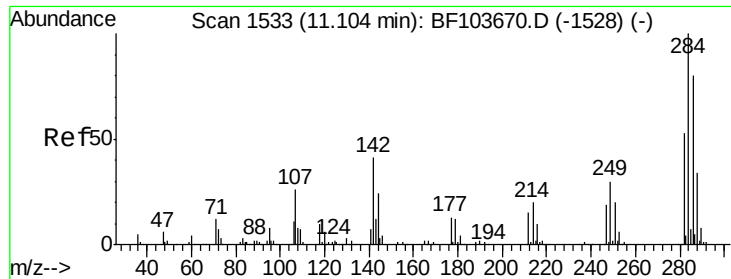


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

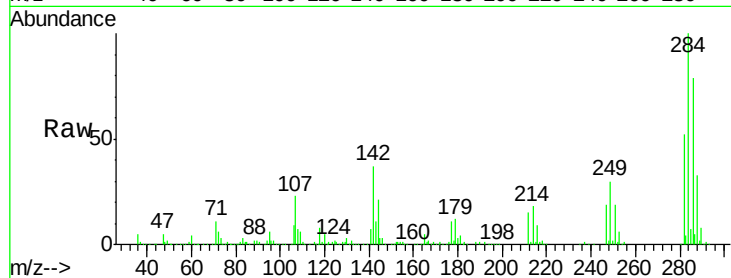




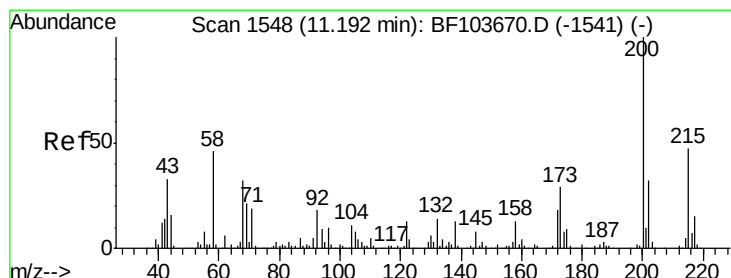
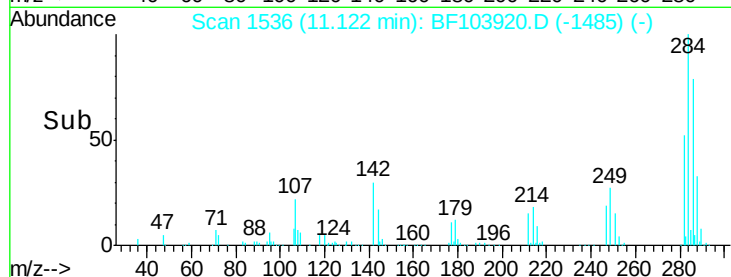
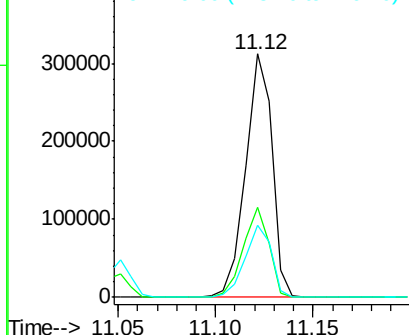
#67
Hexachlorobenzene
Concen: 48.142 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Instrument :
BNA_F
ClientSampleId :
C19013071MSD

Tot Ion:284 Resp: 293326
Ion Ratio Lower Upper
284 100
142 36.8 34.6 52.0
249 29.6 24.8 37.2

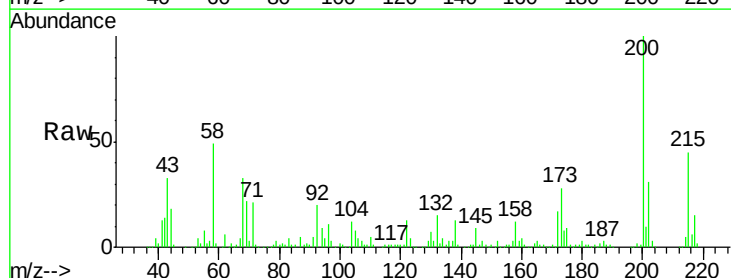


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

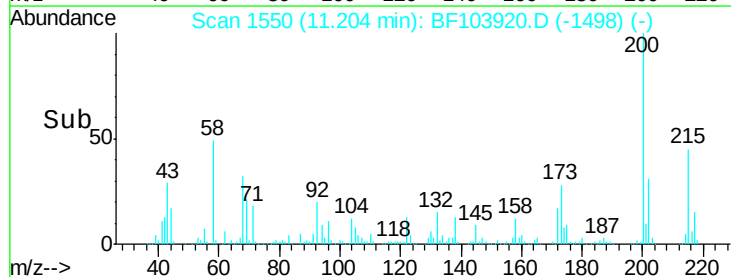
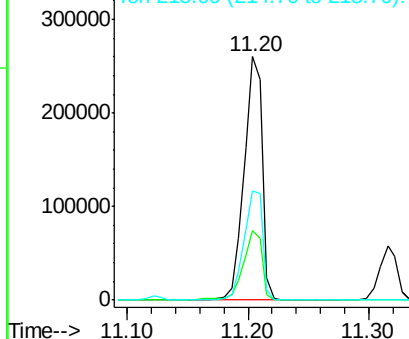


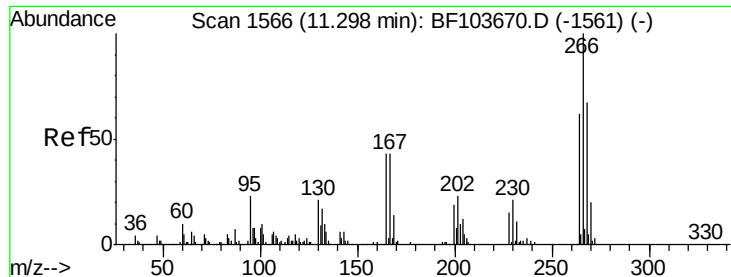
#68
Atrazine
Concen: 49.777 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:200 Resp: 272511
Ion Ratio Lower Upper
200 100
173 28.5 8.6 48.6
215 44.7 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

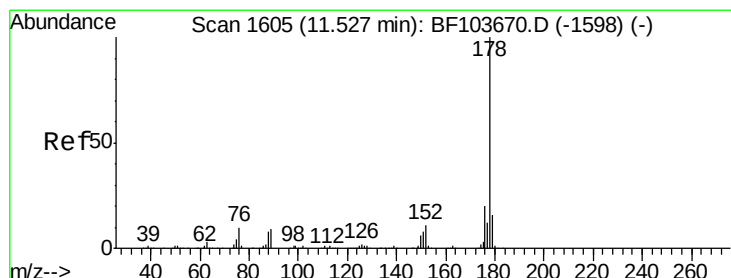
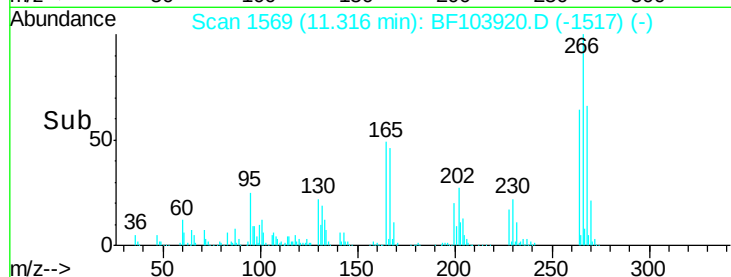
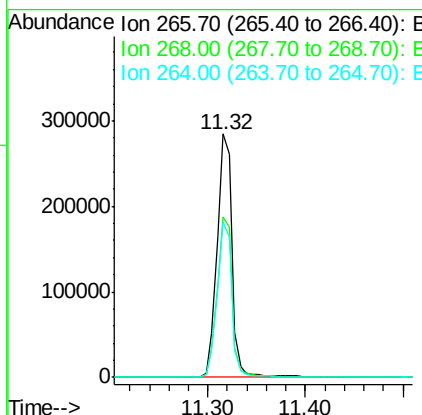
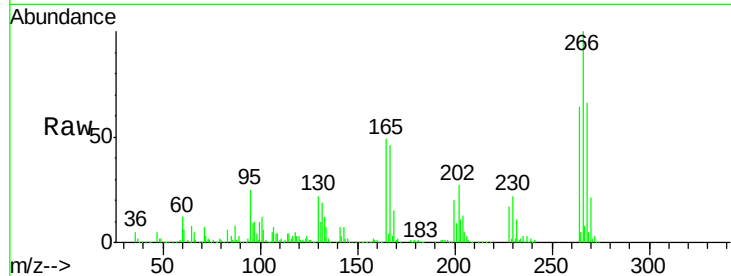




#69
 Pentachlorophenol
 Concen: 86.962 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

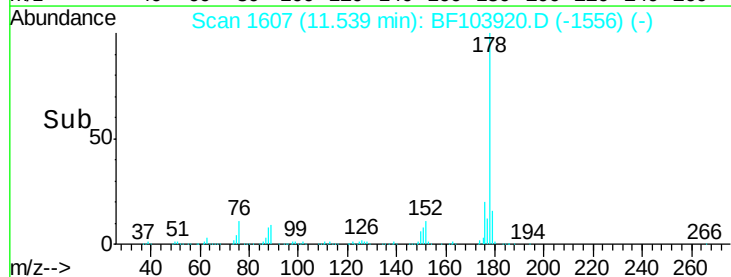
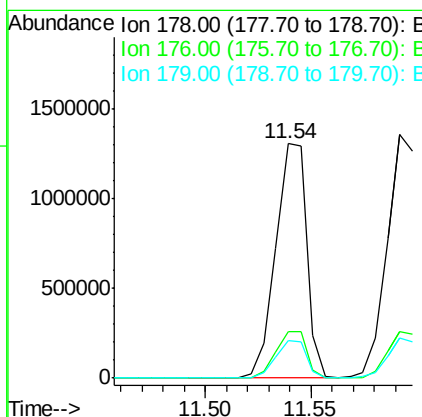
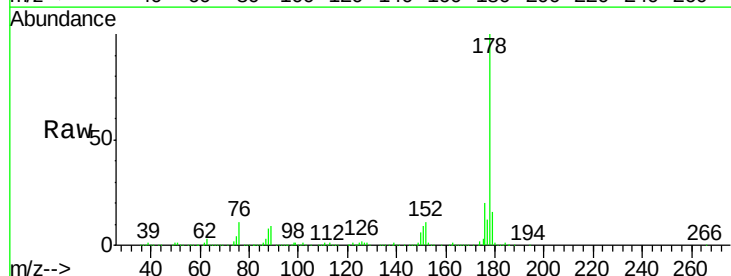
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

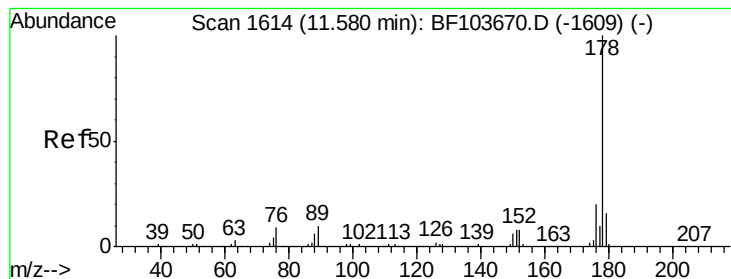
Tot Ion:266 Resp: 304621
 Ion Ratio Lower Upper
 266 100
 268 66.1 51.1 76.7
 264 63.5 49.5 74.3



#70
 Phenanthrene
 Concen: 47.158 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:178 Resp: 1341256
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.8
 179 15.9 13.0 19.6





#71

Anthracene

Concen: 47.046 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

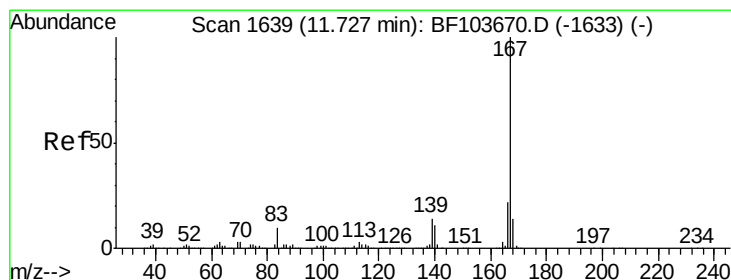
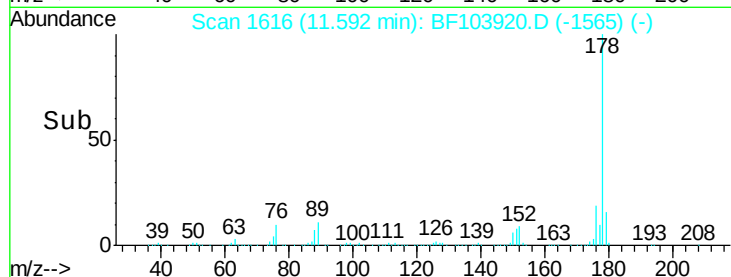
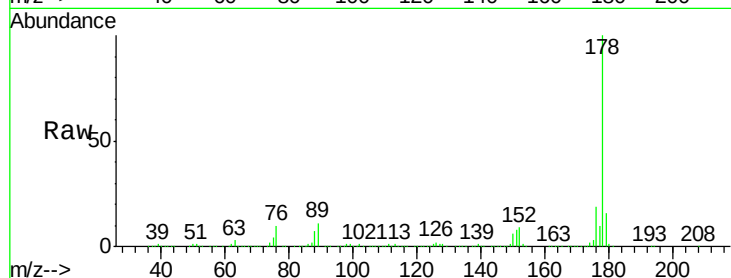
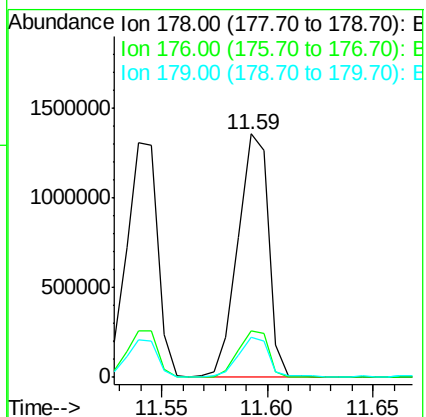
BNA_F

ClientSampleId :

C19013071MSD

Tot Ion:178 Resp: 1359033

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.2	12.6	19.0



#72

Carbazole

Concen: 45.863 ng

RT: 11.75 min Scan# 1642

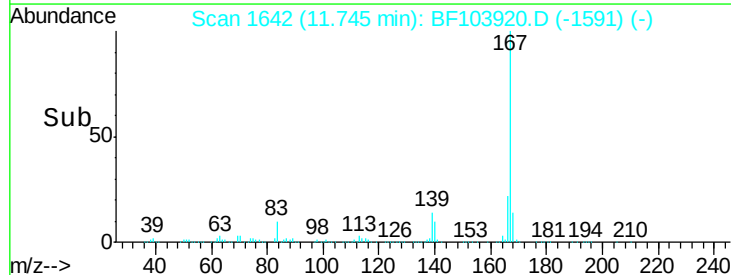
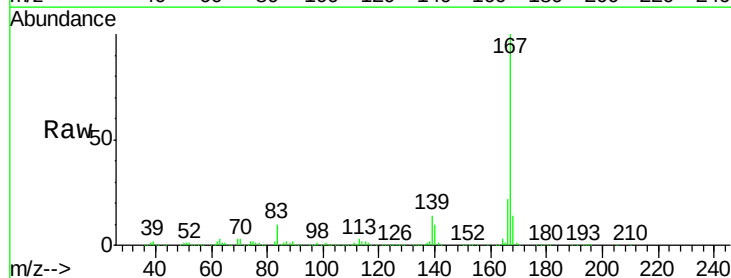
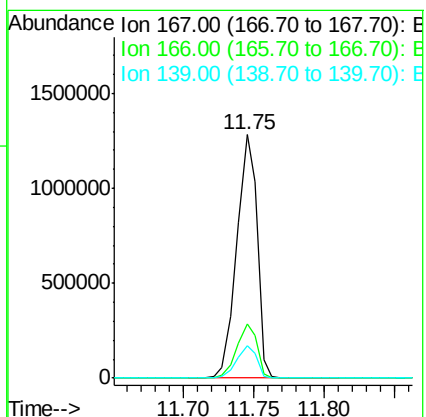
Delta R.T. -0.00 min

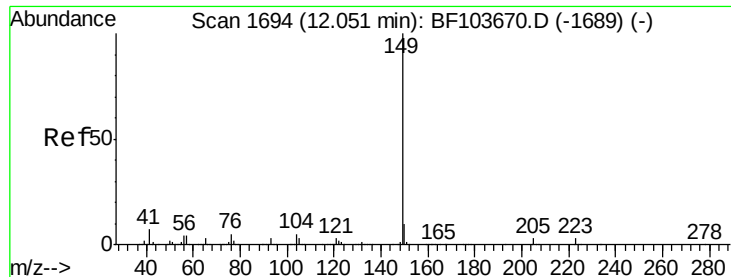
Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Tgt Ion:167 Resp: 1287697

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	13.5	10.9	16.3





#73

Di-n-butylphthalate

Concen: 44.544 ng

RT: 12.06 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

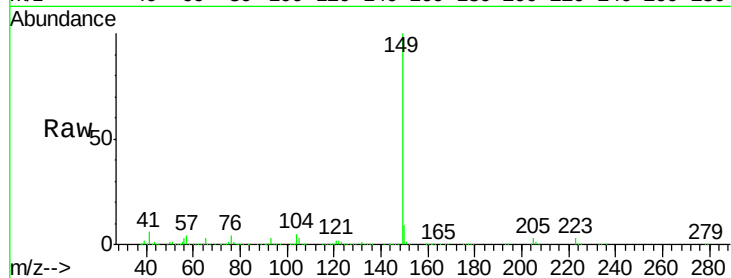
Tot Ion:149 Resp: 1500654

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

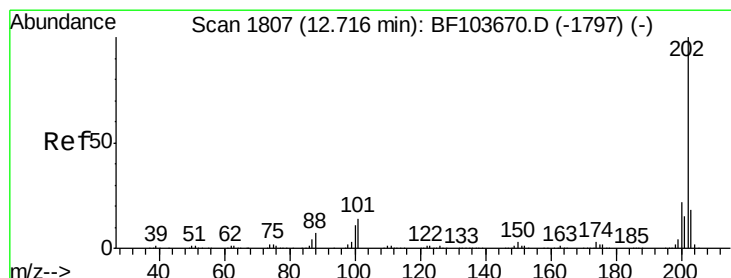
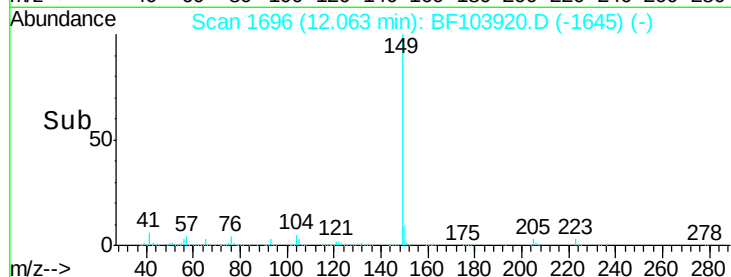
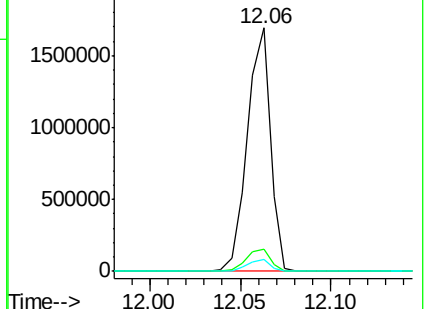
104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.606 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

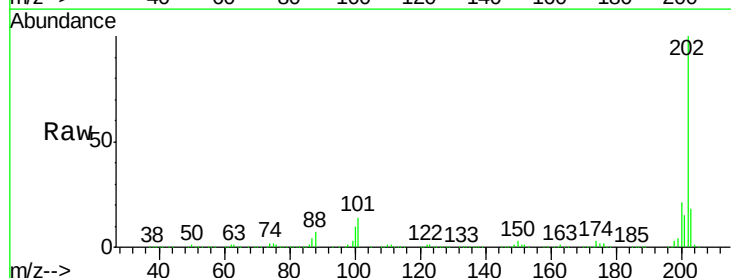
Tgt Ion:202 Resp: 1365642

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

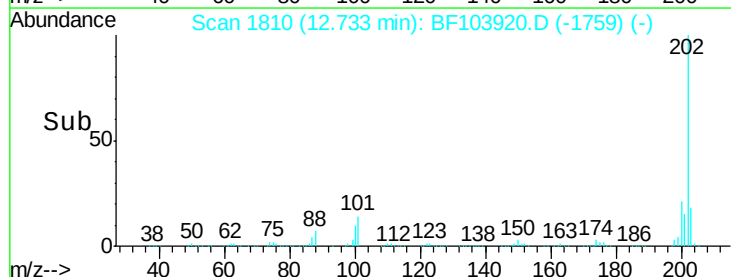
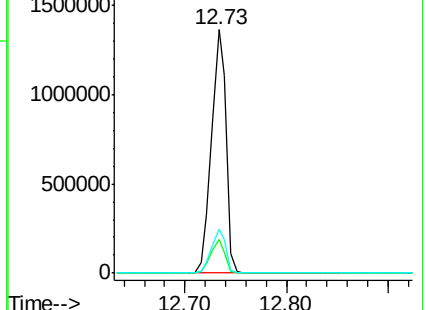
203 17.8 0.0 38.1

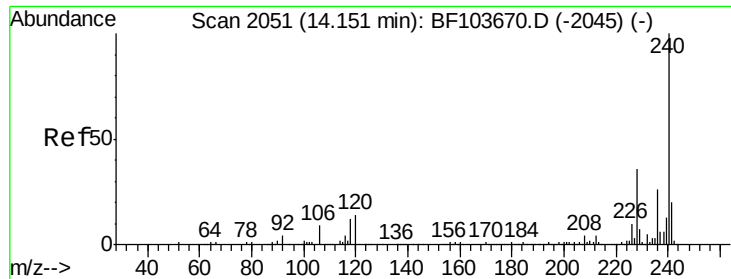


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

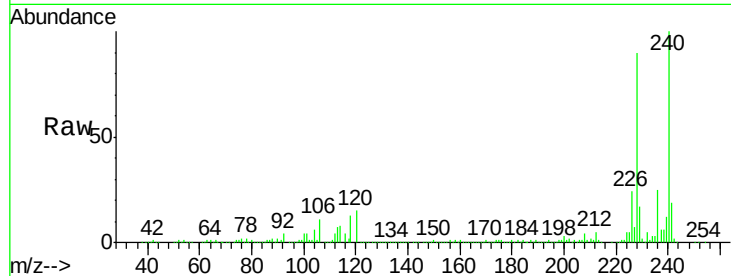
Tot Ion:240 Resp: 397576

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

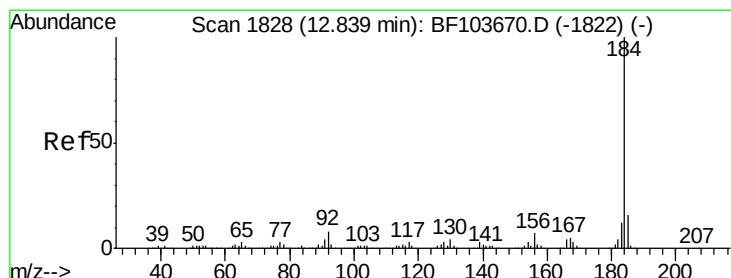
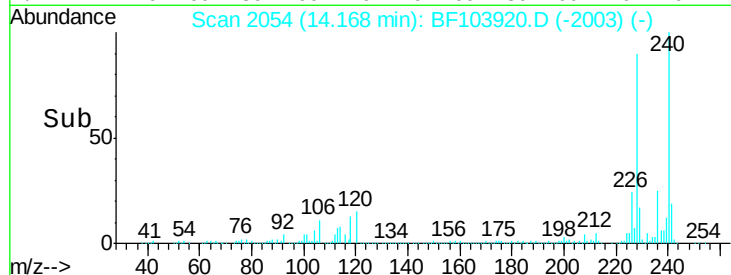
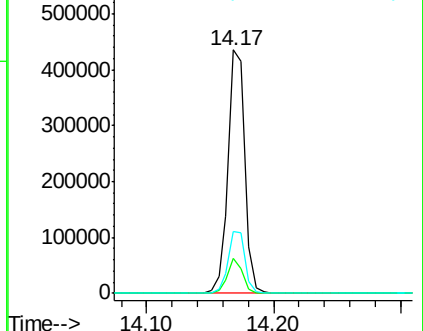
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 18.061 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

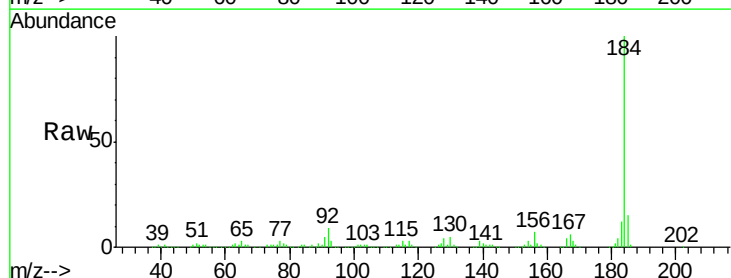
Tgt Ion:184 Resp: 306258

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

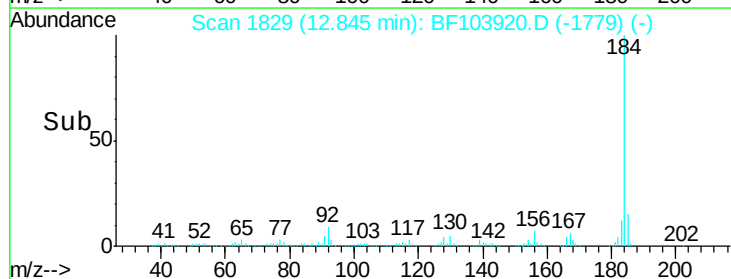
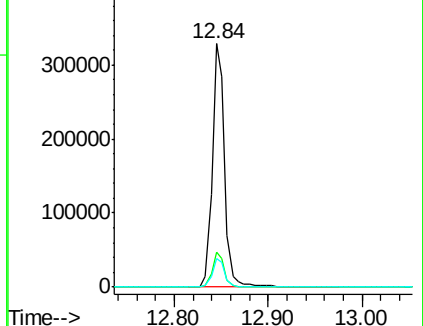
183 11.6 9.3 13.9

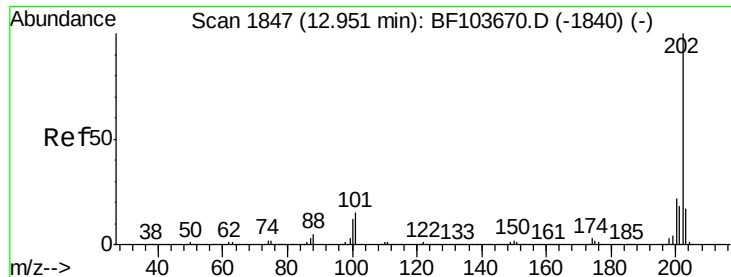


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 46.857 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

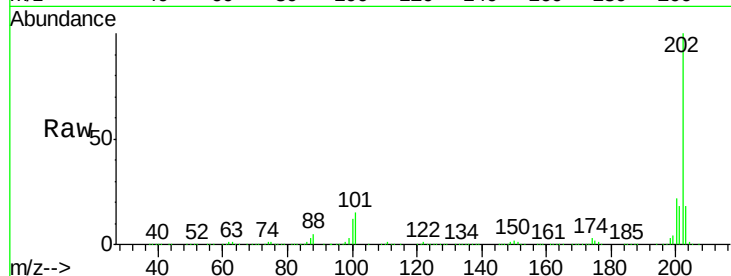
Tot Ion:202 Resp: 1368105

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

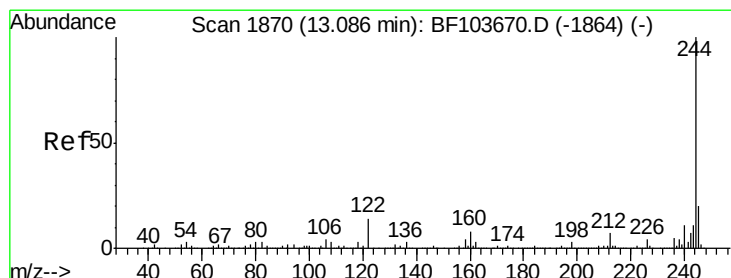
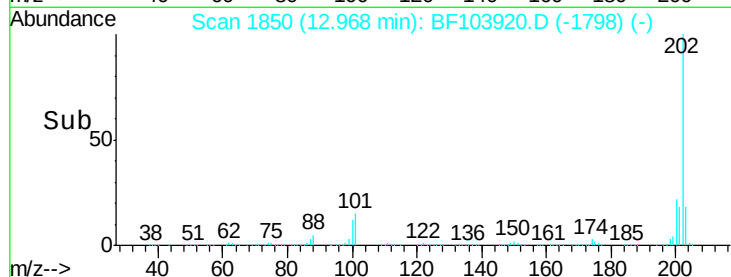
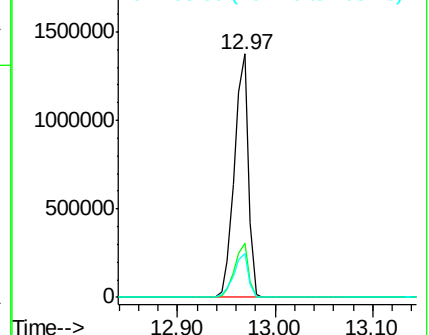
203 17.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 97.644 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

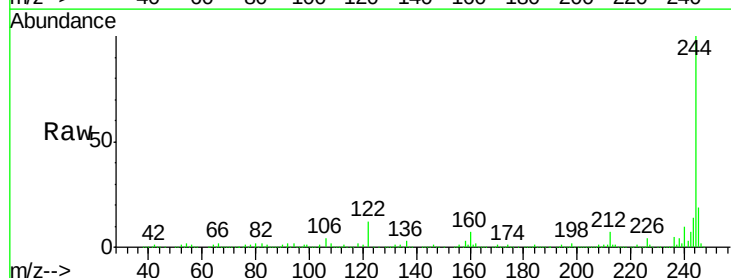
Tgt Ion:244 Resp: 1672493

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

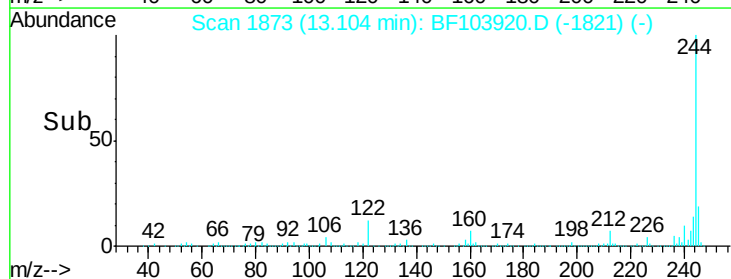
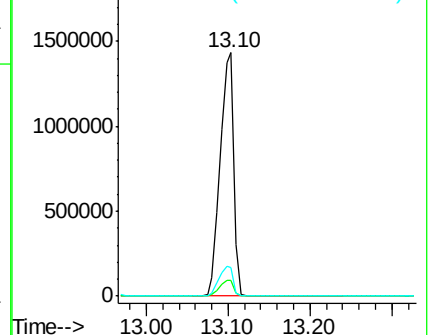
122 11.7 11.0 16.4

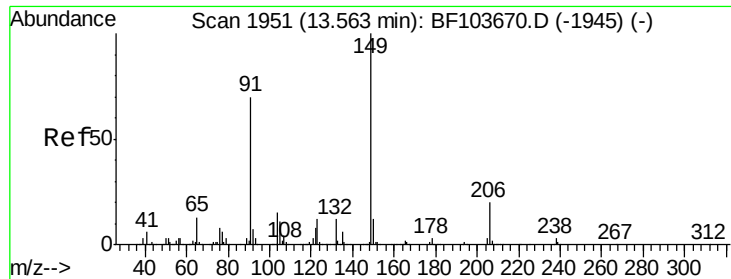


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 50.746 ng

RT: 13.57 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

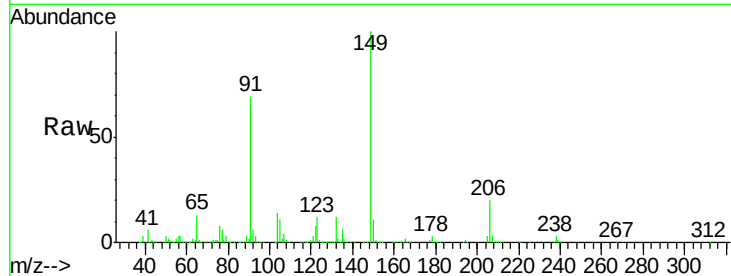
Tot Ion:149 Resp: 656463

Ion Ratio Lower Upper

149 100

91 69.2 56.8 85.2

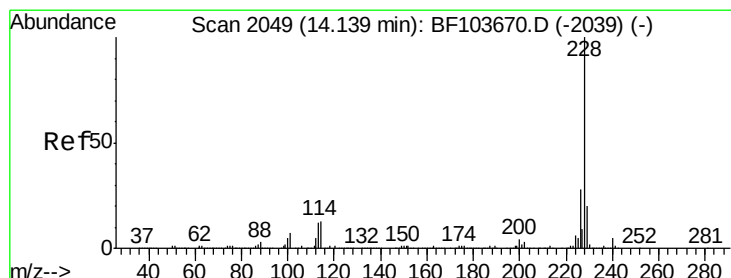
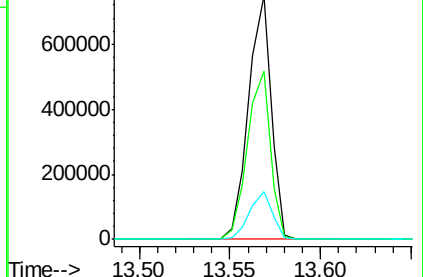
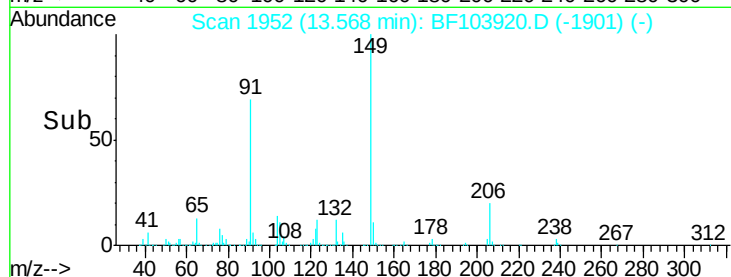
206 19.8 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 48.570 ng

RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

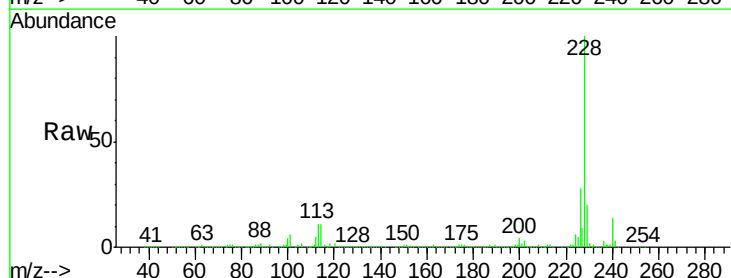
Tgt Ion:228 Resp: 1222336

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

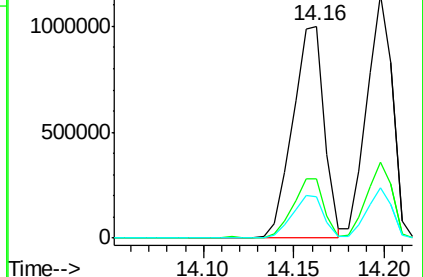
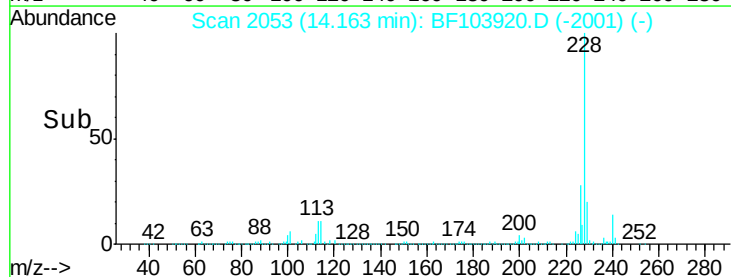
229 19.6 15.8 23.6

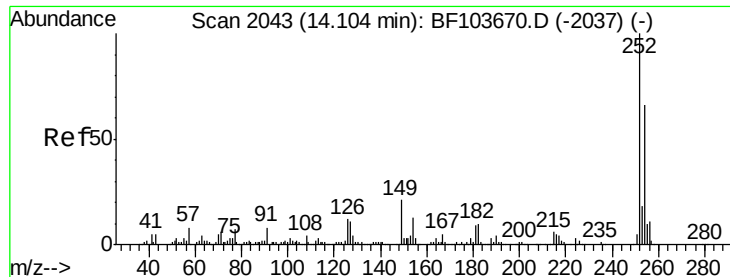


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

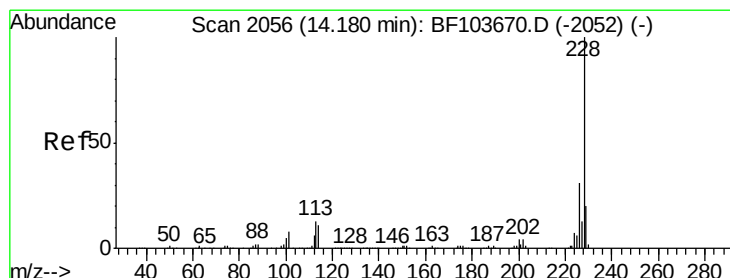
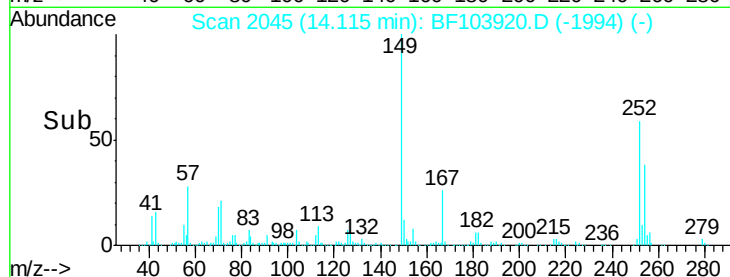
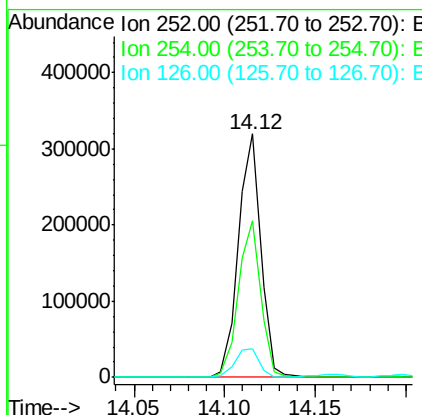
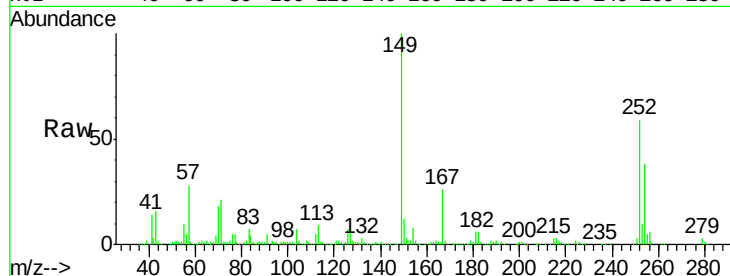




#81
 3,3'-Dichlorobenzidine
 Concen: 32.751 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

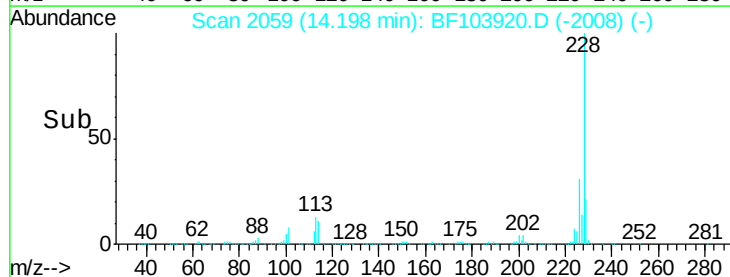
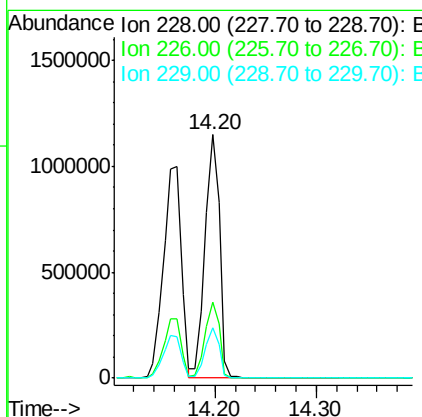
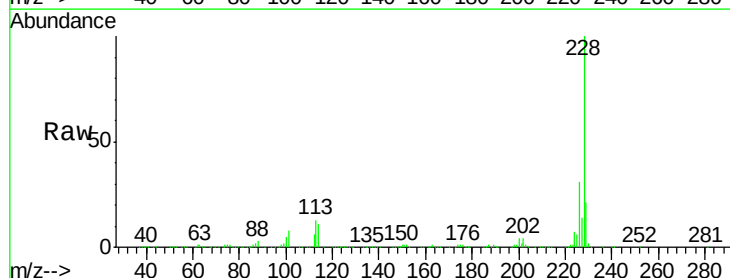
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

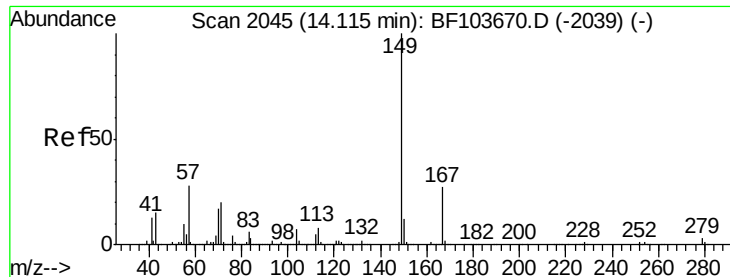
Tot Ion:252 Resp: 275702
 Ion Ratio Lower Upper
 252 100
 254 64.3 50.4 75.6
 126 11.6 11.3 16.9



#82
 Chrysene
 Concen: 47.517 ng
 RT: 14.20 min Scan# 2059
 Delta R.T. -0.00 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:228 Resp: 1139934
 Ion Ratio Lower Upper
 228 100
 226 31.0 25.0 37.6
 229 20.5 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.251 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

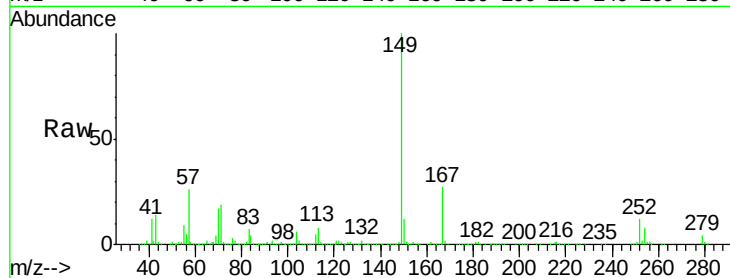
Tot Ion:149 Resp: 854736

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

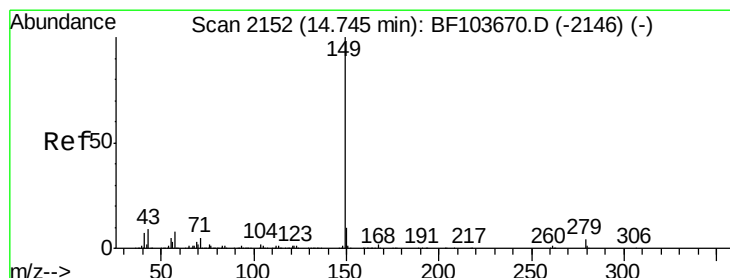
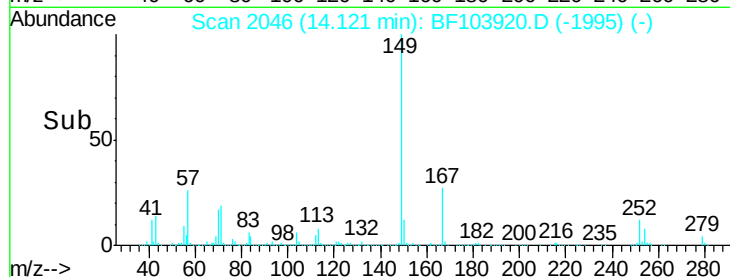
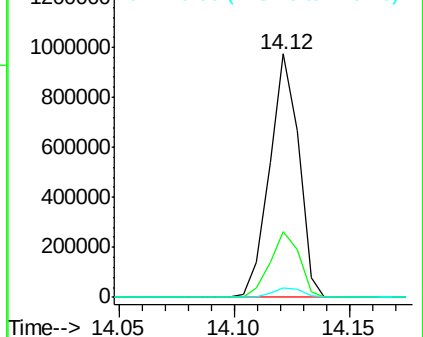
279 3.7 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 55.345 ng

RT: 14.75 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

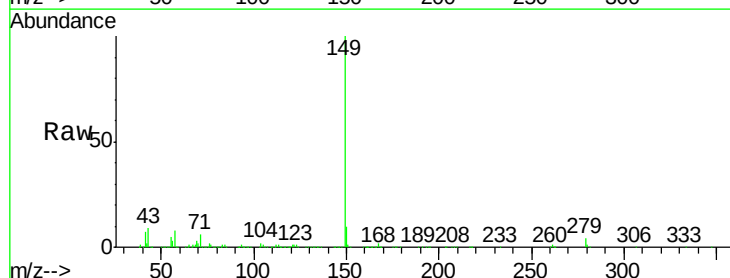
Tgt Ion:149 Resp: 1487984

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

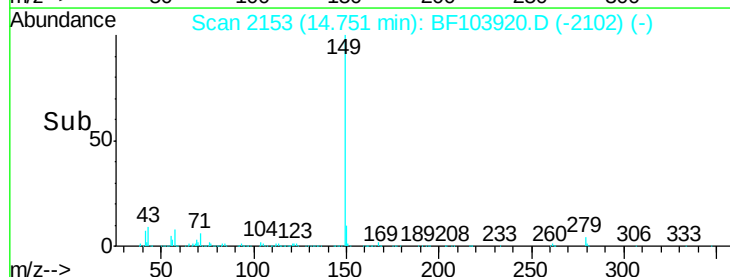
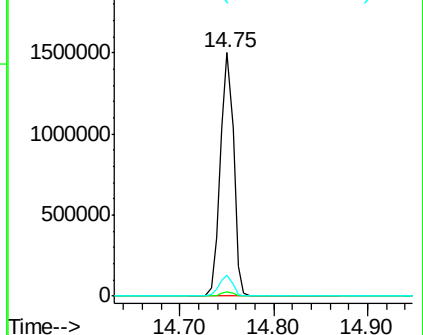
43 8.3 8.4 12.6#

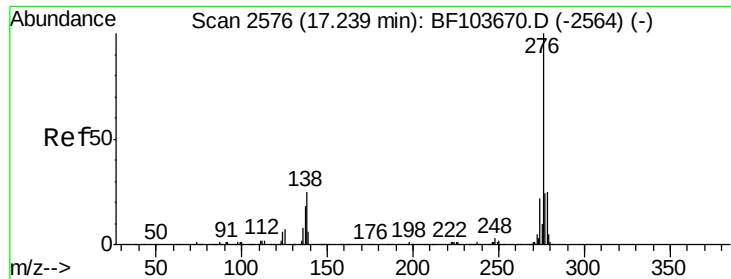


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

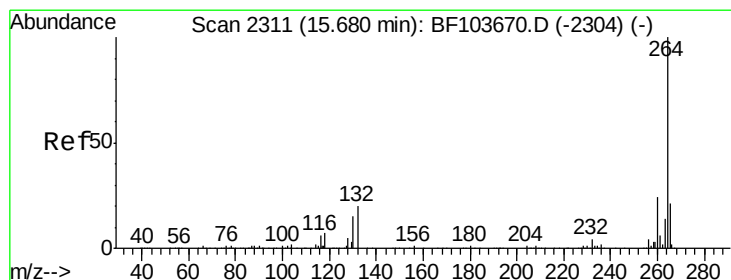
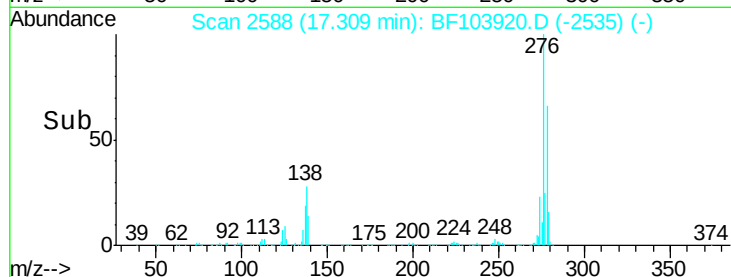
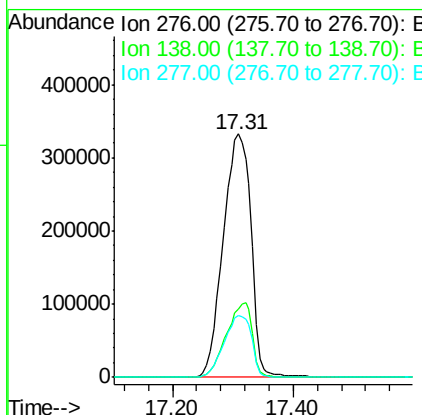
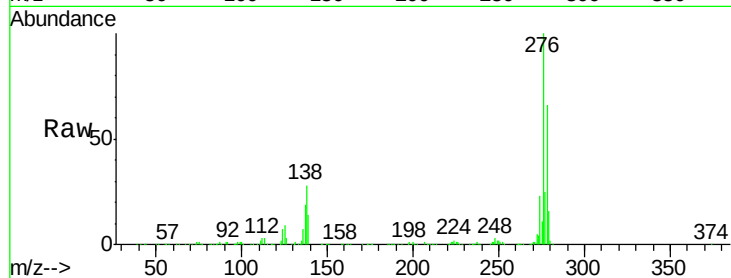




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.888 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

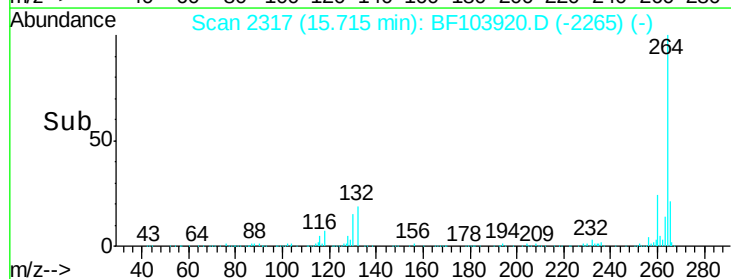
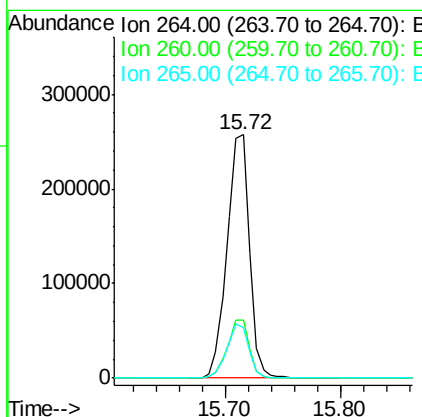
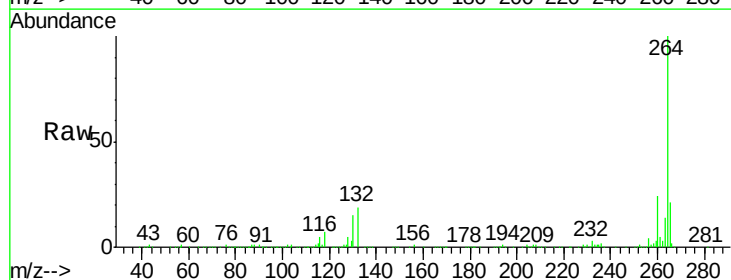
Instrument :
 BNA_F
 ClientSampleId :
 C19013071MSD

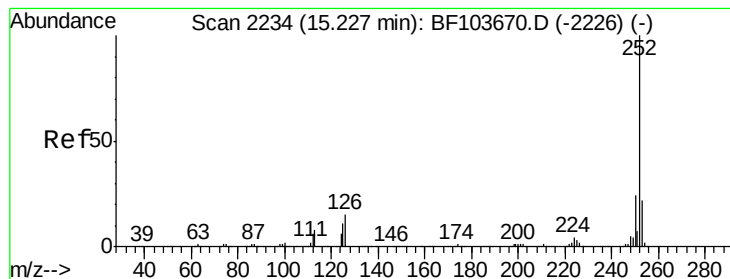
Tot Ion:276 Resp: 1066123
 Ion Ratio Lower Upper
 276 100
 138 28.8 25.0 37.6
 277 25.4 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.72 min Scan# 2317
 Delta R.T. 0.01 min
 Lab File: BF103920.D
 Acq: 26 Mar 2018 12:39

Tgt Ion:264 Resp: 346787
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 20.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 49.530 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

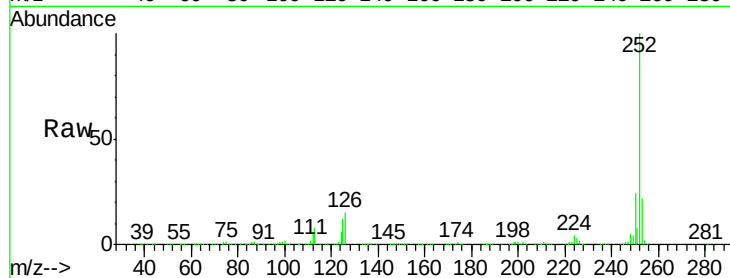
Tot Ion:252 Resp: 1085153

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

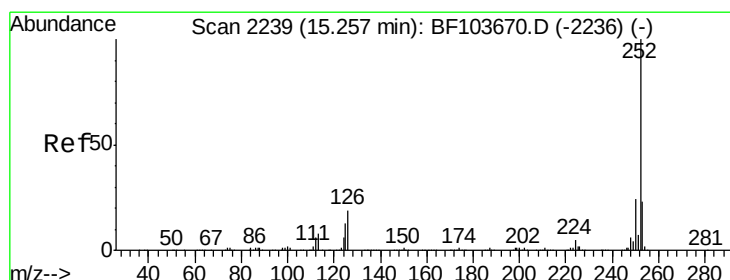
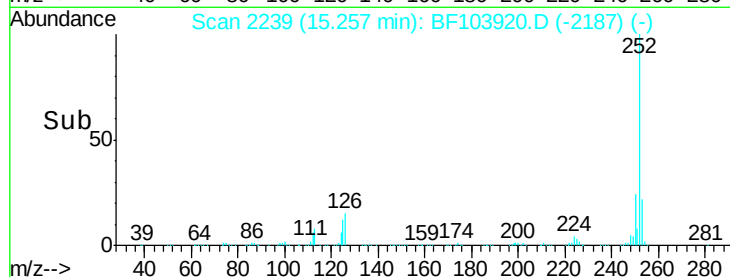
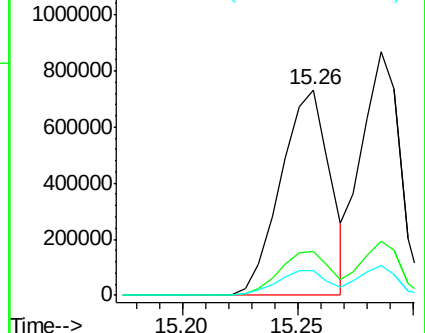
125 11.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 48.102 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

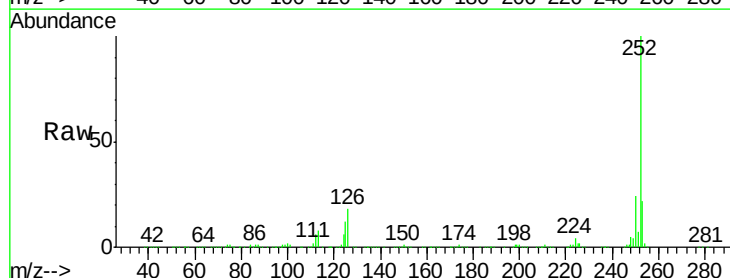
Tgt Ion:252 Resp: 1013057

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

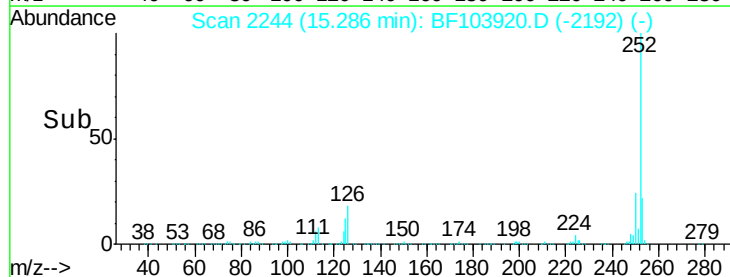
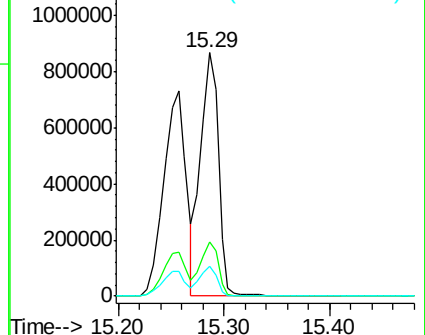
125 12.2 10.2 15.2

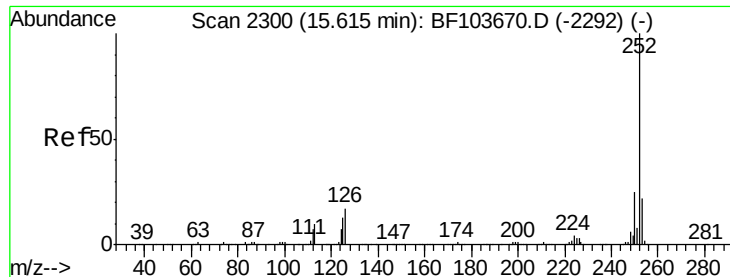


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

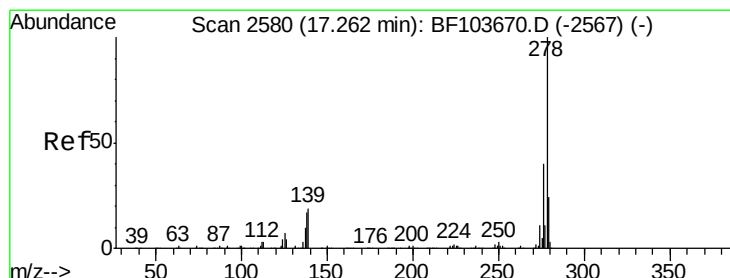
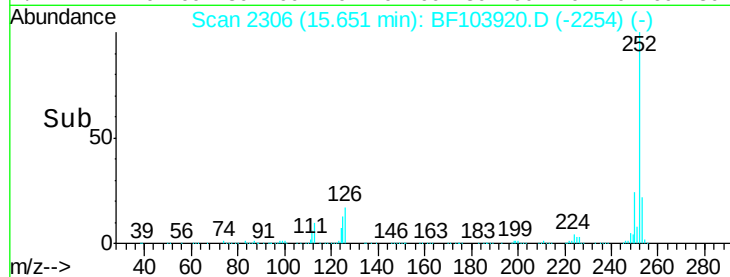
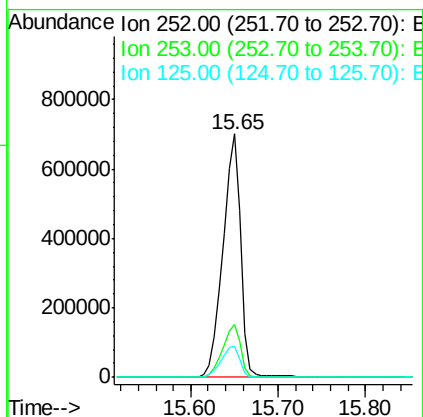
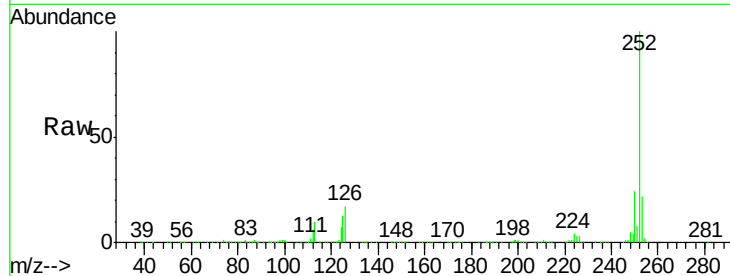




#89
Benzo(a)pyrene
Concen: 49.895 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

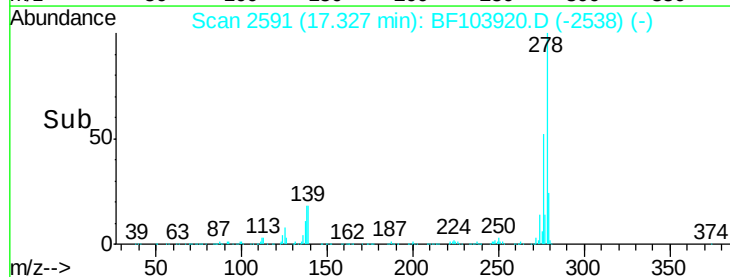
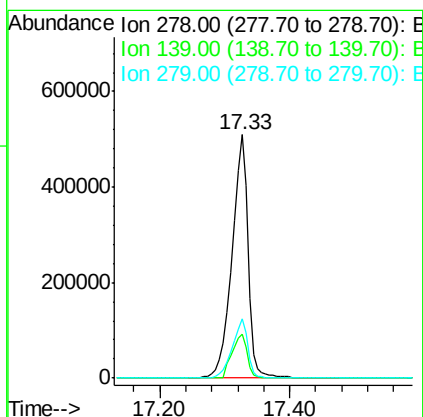
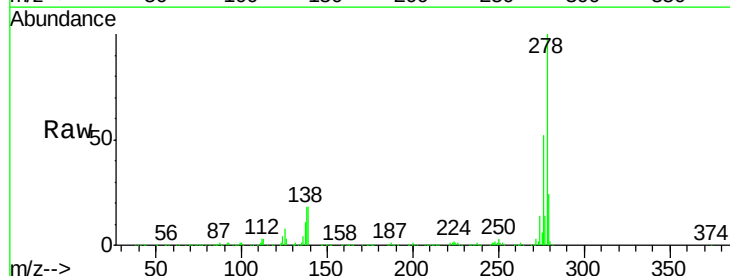
Instrument :
BNA_F
ClientSampleId :
C19013071MSD

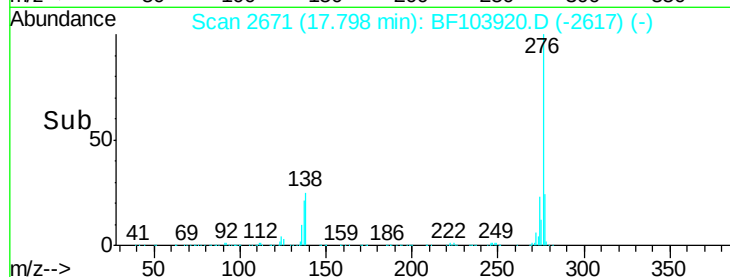
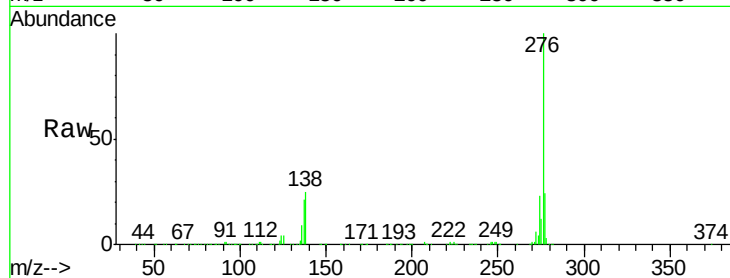
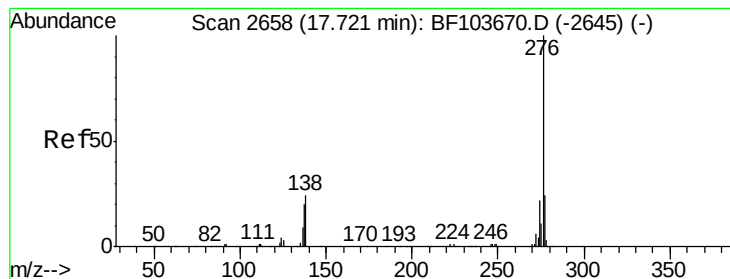
Tot Ion:252 Resp: 991504
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 12.8 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 50.947 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BF103920.D
Acq: 26 Mar 2018 12:39

Tgt Ion:278 Resp: 876642
Ion Ratio Lower Upper
278 100
139 18.1 15.9 23.9
279 24.1 19.0 28.4





#91

Benzo(a,h,i)perylene

Concen: 53.940 ng

RT: 17.80 min Scan# 2671

Delta R.T. 0.02 min

Lab File: BF103920.D

Acq: 26 Mar 2018 12:39

Instrument :

BNA_F

ClientSampleId :

C19013071MSD

Tot Ion:276 Resp: 902937

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 24.8 21.8 32.8

