

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118873.D
 Acq On : 10 Feb 2020 17:18
 Operator : CG/JU
 Sample : L1472-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Quant Time: Feb 11 00:15:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	171382	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	678767	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	399746	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	797064	20.00	ng	0.00
76) Chrysene-d12	13.97	240	713779	20.00	ng	0.00
87) Perylene-d12	15.42	264	657901	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1062122	117.31	ng	0.00
7) Phenol-d6	6.45	99	1266223	112.66	ng	0.00
23) Nitrobenzene-d5	7.37	82	841552	73.90	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	517788	108.25	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1768930	79.11	ng	0.00
79) Terphenyl-d14	12.92	244	2547809	73.32	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	204519	49.567	ng	98
3) Pyridine	3.32	79	496683	43.351	ng	99
4) n-Nitrosodimethylamine	3.24	42	219840	52.701	ng	95
6) Aniline	6.47	93	354172	24.468	ng	# 88
8) 2-Chlorophenol	6.60	128	467351	46.344	ng	97
9) Benzaldehyde	6.36	77	206616	29.022	ng	98
10) Phenol	6.47	94	544041	43.535	ng	86
11) bis(2-Chloroethyl)ether	6.55	93	421104	44.045	ng	99
12) 1,3-Dichlorobenzene	6.76	146	512470	42.693	ng	97
13) 1,4-Dichlorobenzene	6.83	146	517214	43.197	ng	98
14) 1,2-Dichlorobenzene	6.99	146	484180	42.332	ng	99
15) Benzyl Alcohol	6.96	79	391177	45.029	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	500389	42.738	ng	96
17) 2-Methylphenol	7.07	107	384174	45.822	ng	99
18) Hexachloroethane	7.33	117	182759	42.528	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	309511	45.009	ng	99
20) 3+4-Methylphenols	7.23	107	476808	45.371	ng	# 86
22) Acetophenone	7.22	105	624707	42.361	ng	96
24) Nitrobenzene	7.39	77	479386	42.139	ng	99
25) Isophorone	7.63	82	872225	42.618	ng	99
26) 2-Nitrophenol	7.71	139	267042	44.052	ng	100
27) 2,4-Dimethylphenol	7.75	122	407538	49.491	ng	97
28) bis(2-Chloroethoxy)methane	7.85	93	553321	41.694	ng	100
29) 2,4-Dichlorophenol	7.96	162	427017	43.301	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	470753	40.840	ng	100
31) Naphthalene	8.12	128	1364055	43.939	ng	99
32) Benzoic acid	7.87	122	248398	36.433	ng	98
33) 4-Chloroaniline	8.16	127	180830	13.020	ng	98
34) Hexachlorobutadiene	8.24	225	283085	40.086	ng	99
35) Caprolactam	8.53	113	143134	44.772	ng	98
36) 4-Chloro-3-methylphenol	8.66	107	439445	44.279	ng	98
37) 2-Methylnaphthalene	8.81	142	959953	44.586	ng	99
38) 1-Methylnaphthalene	8.91	142	904505	44.658	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	486449	40.320	ng	100

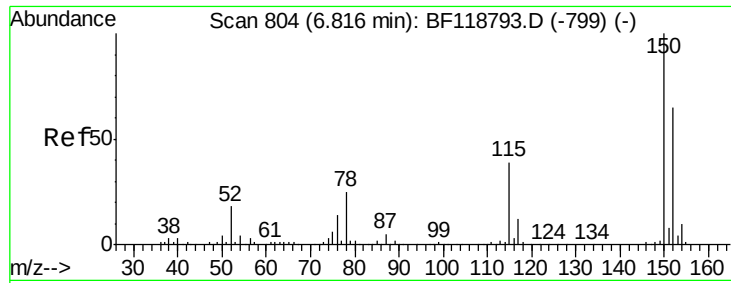
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118873.D
 Acq On : 10 Feb 2020 17:18
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Quant Time: Feb 11 00:15:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	314442	66.468	ng	100
43) 2,4,6-Trichlorophenol	9.09	196	323028	40.040	ng	100
44) 2,4,5-Trichlorophenol	9.13	196	352222	42.728	ng	96
46) 1,1'-Biphenyl	9.27	154	1181451	42.725	ng	98
47) 2-Chloronaphthalene	9.30	162	949595	41.308	ng	98
48) 2-Nitroaniline	9.39	65	268030	40.425	ng	95
49) Acenaphthylene	9.71	152	1494683	45.031	ng	99
50) Dimethylphthalate	9.57	163	1243812	45.697	ng	98
51) 2,6-Dinitrotoluene	9.63	165	267877	43.012	ng	95
52) Acenaphthene	9.89	154	887882	40.594	ng	99
53) 3-Nitroaniline	9.80	138	146238	21.172	ng	95
54) 2,4-Dinitrophenol	9.91	184	226685	75.713	ng	98
55) Dibenzofuran	10.06	168	1319833	41.755	ng	98
56) 4-Nitrophenol	9.97	139	400637	80.145	ng	97
57) 2,4-Dinitrotoluene	10.04	165	351504	42.648	ng	94
58) Fluorene	10.40	166	1015194	42.691	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	302099	41.964	ng	99
60) Diethylphthalate	10.27	149	1136345	42.934	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	541037	41.953	ng	96
62) 4-Nitroaniline	10.42	138	258706	37.403	ng	98
63) Azobenzene	10.55	77	984047	43.550	ng	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	188886	42.173	ng	89
66) n-Nitrosodiphenylamine	10.51	169	954652	41.349	ng	99
67) 4-Bromophenyl-phenylether	10.88	248	371537	39.404	ng	96
68) Hexachlorobenzene	10.95	284	415988	38.464	ng	98
69) Atrazine	11.04	200	374108	48.637	ng	98
70) Pentachlorophenol	11.15	266	409474	71.706	ng	99
71) Phenanthrene	11.36	178	1643383	41.905	ng	99
72) Anthracene	11.41	178	1703302	43.659	ng	98
73) Carbazole	11.56	167	1500508	43.825	ng	100
74) Di-n-butylphthalate	11.90	149	1934705	44.358	ng	99
75) Fluoranthene	12.54	202	1926060	44.983	ng	98
77) Benzidine	12.66	184	846833	39.226	ng	98
78) Pyrene	12.77	202	1921516	39.241	ng	99
80) Butylbenzylphthalate	13.39	149	930061	41.613	ng	98
81) Benzo(a)anthracene	13.96	228	1668856	39.291	ng	98
82) 3,3'-Dichlorobenzidine	13.92	252	539509	31.056	ng	100
83) Chrysene	14.00	228	1705337	40.004	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1344734	47.424	ng	99
85) Di-n-octyl phthalate	14.56	149	2225888	45.821	ng	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	1785296	41.683	ng	100
88) Benzo(b)fluoranthene	15.00	252	1663439	40.747	ng	99
89) Benzo(k)fluoranthene	15.03	252	1479838	41.627	ng	99
90) Benzo(a)pyrene	15.36	252	1430862	40.955	ng	99
91) Dibenzo(a,h)anthracene	16.87	278	1509873	48.682	ng	99
92) Benzo(g,h,i)perylene	17.29	276	1464110	49.086	ng	99

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

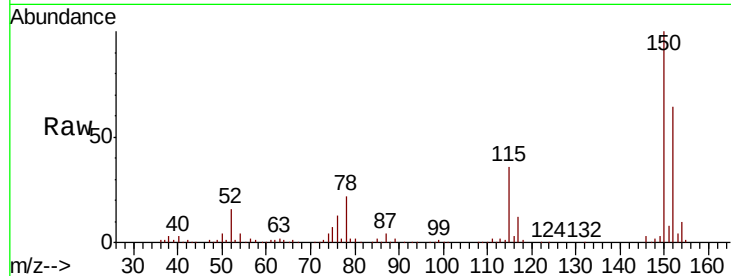


#1

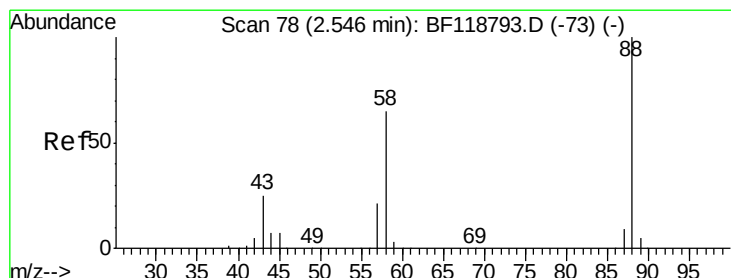
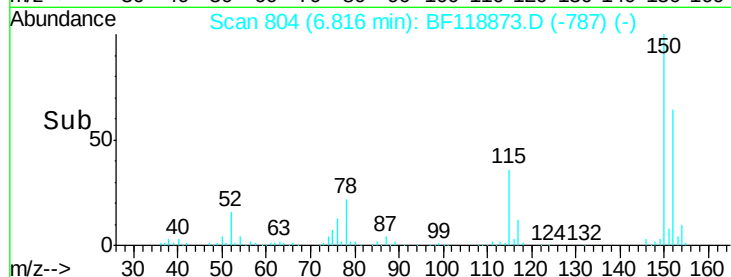
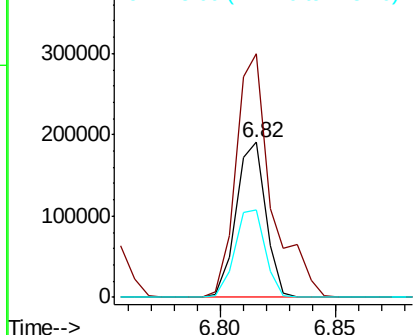
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	123.6	185.4
115	56.2	48.2	72.2



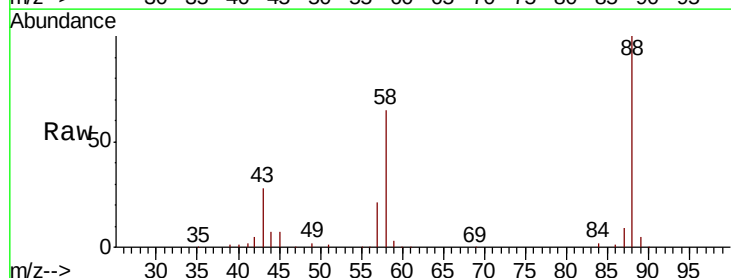
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



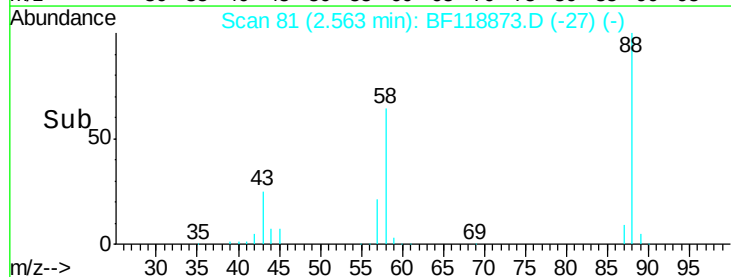
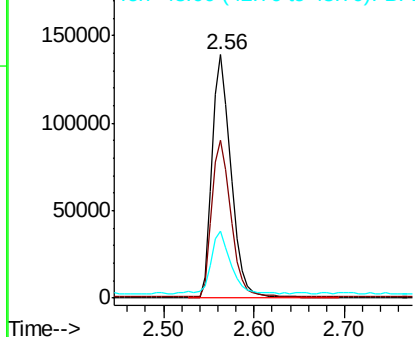
#2

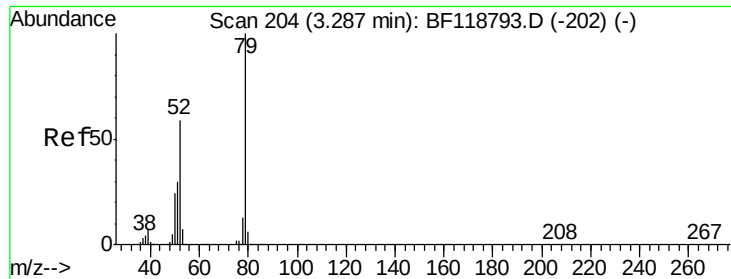
1,4-Dioxane
Concen: 49.567 ng
RT: 2.56 min Scan# 81
Delta R.T. 0.02 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.6	77.4
43	27.3	19.8	29.6



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 43.351 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.04 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

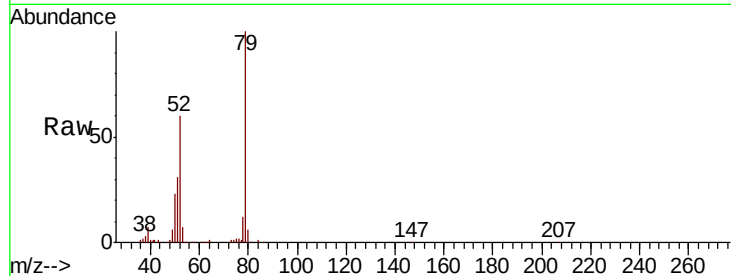
Tot Ion: 79 Resp: 496683

Ion Ratio Lower Upper

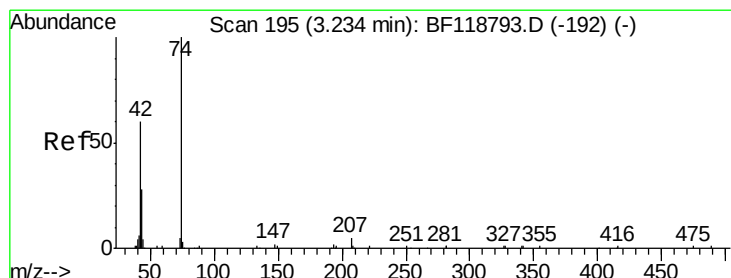
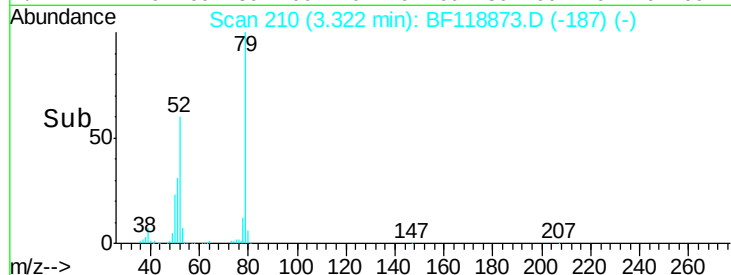
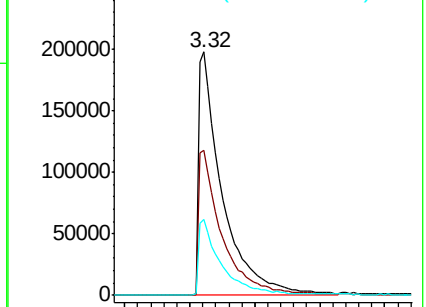
79 100

52 59.6 47.4 71.0

51 31.2 24.2 36.4



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: 52.701 ng

RT: 3.24 min Scan# 196

Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

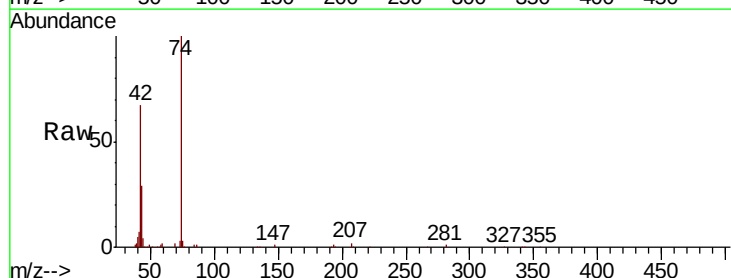
Tgt Ion: 42 Resp: 219840

Ion Ratio Lower Upper

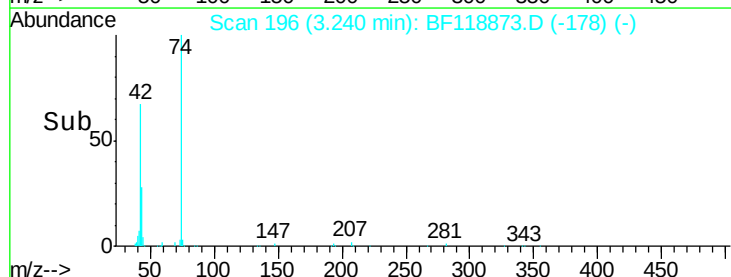
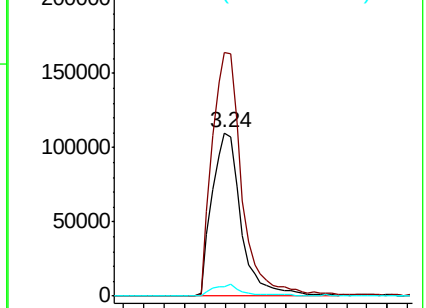
42 100

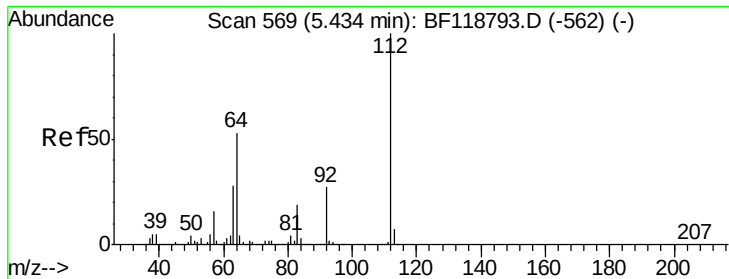
74 149.2 124.3 186.5

44 5.9 5.3 7.9



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: 117.312 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

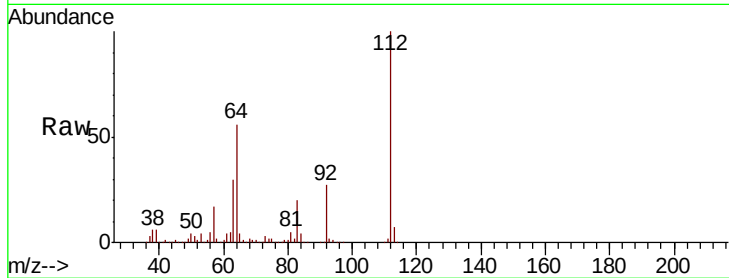
Tot Ion:112 Resp: 1062122

Ion Ratio Lower Upper

112 100

64 56.3 42.6 63.8

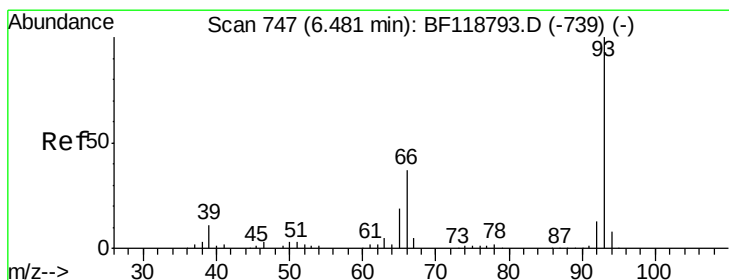
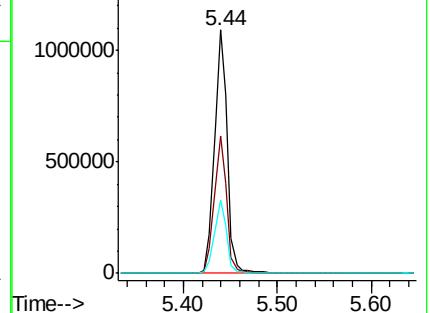
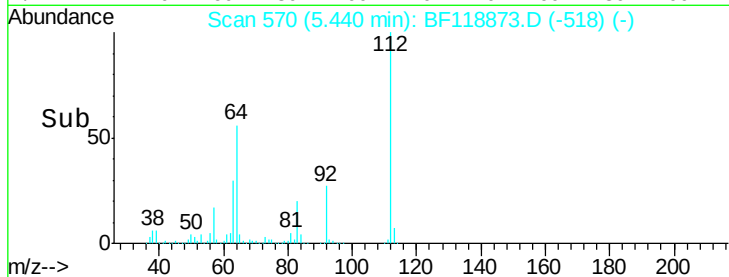
63 30.1 22.2 33.4



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: 24.468 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

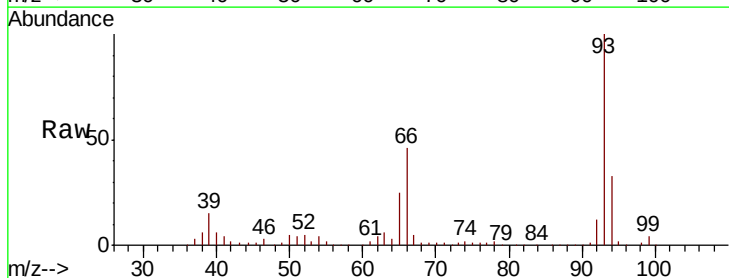
Tgt Ion: 93 Resp: 354172

Ion Ratio Lower Upper

93 100

66 45.8 30.8 46.2

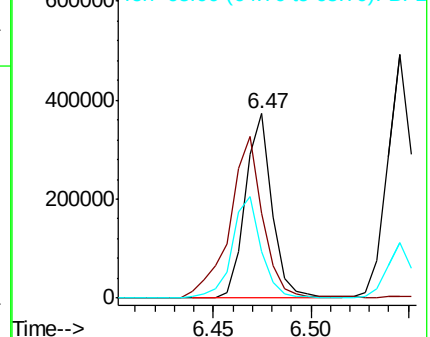
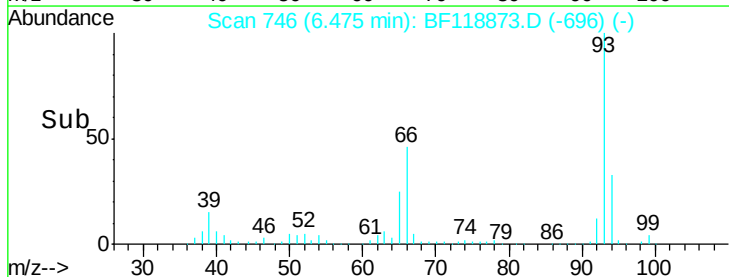
65 25.0 15.4 23.0#

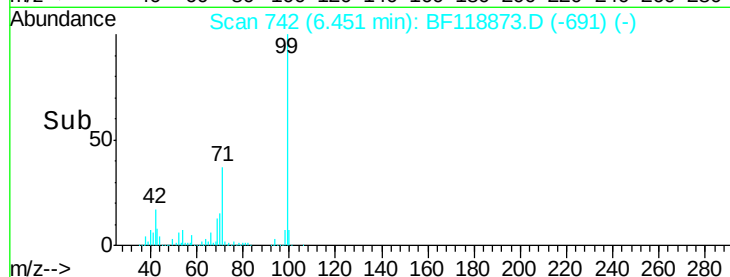
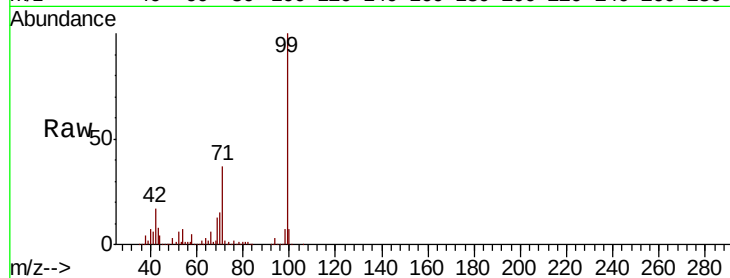
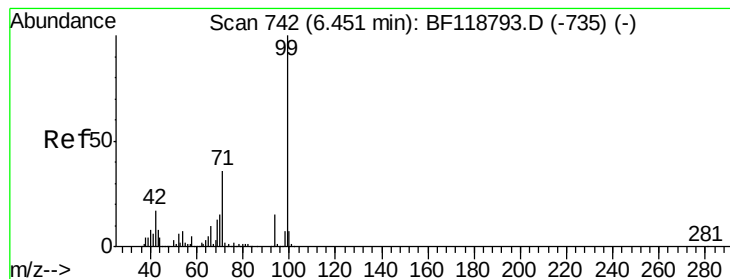


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 112.663 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

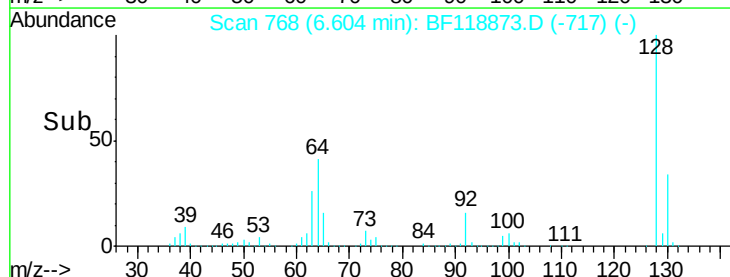
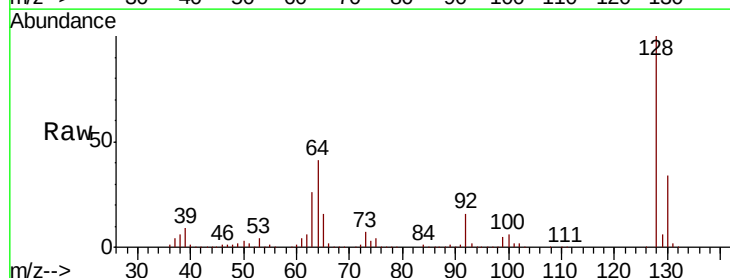
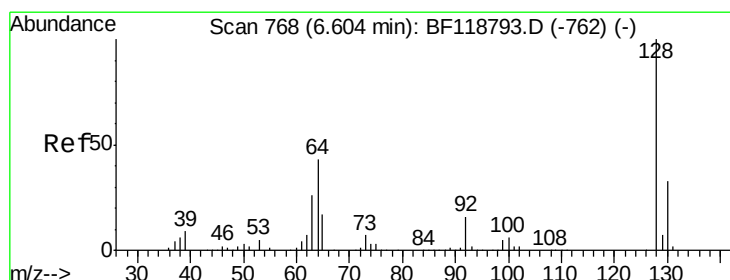
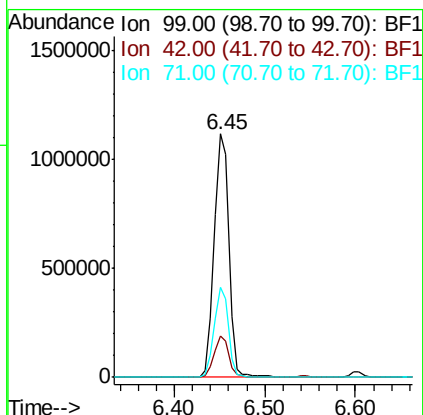
Tot Ion: 99 Resp: 1266223

Ion Ratio Lower Upper

99 100

42 17.1 13.4 20.0

71 36.7 29.0 43.6



#8

2-Chlorophenol

Concen: 46.344 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

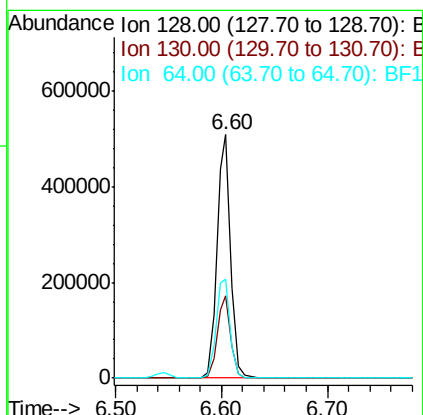
Tgt Ion: 128 Resp: 467351

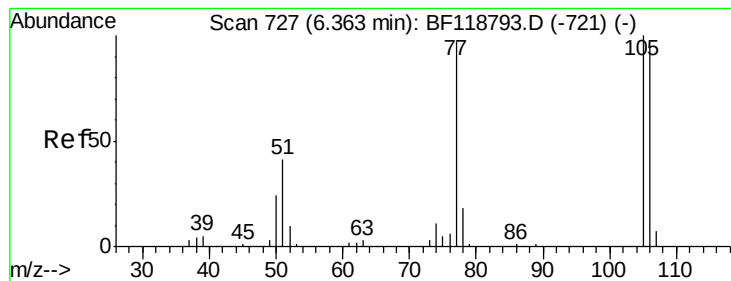
Ion Ratio Lower Upper

128 100

130 33.6 13.1 53.1

64 40.6 23.0 63.0





#9

Benzaldehyde

Concen: 29.022 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

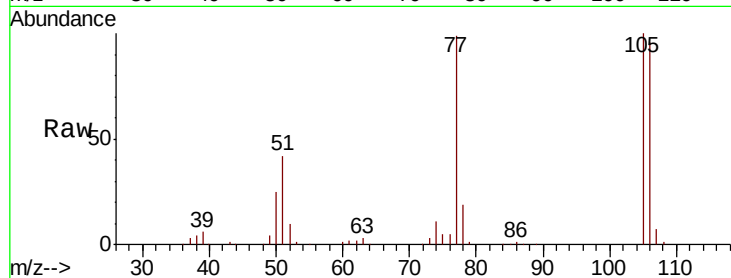
Tot Ion: 77 Resp: 206616

Ion Ratio Lower Upper

77 100

105 100.8 82.8 122.8

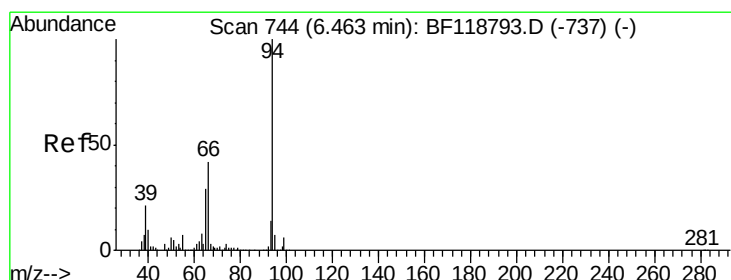
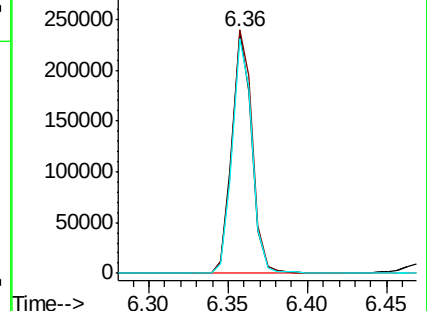
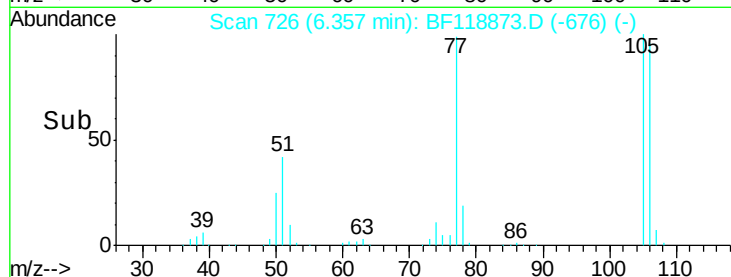
106 97.0 78.1 118.1



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 43.535 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

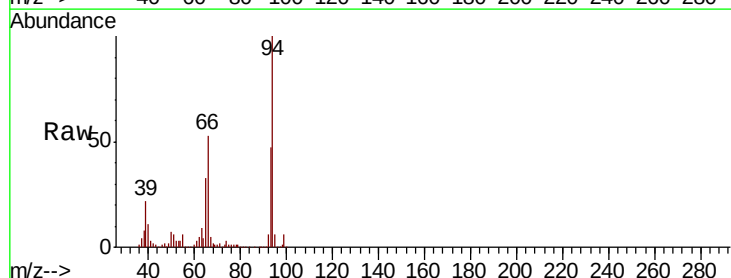
Tgt Ion: 94 Resp: 544041

Ion Ratio Lower Upper

94 100

65 33.3 9.1 49.1

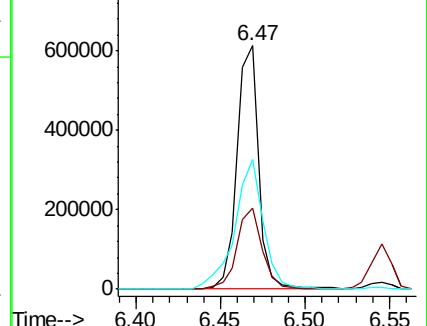
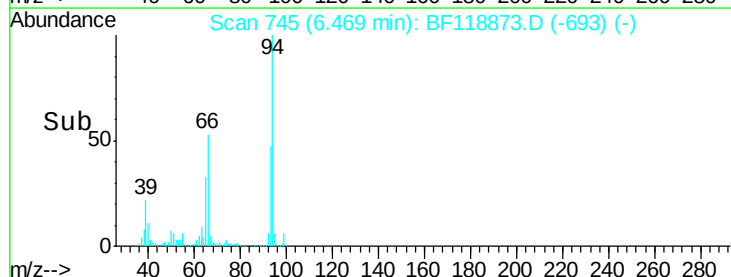
66 53.4 21.7 61.7

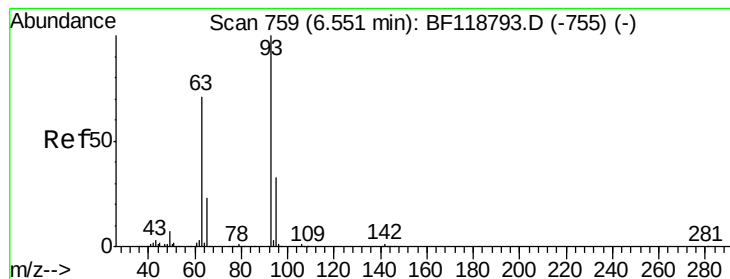


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

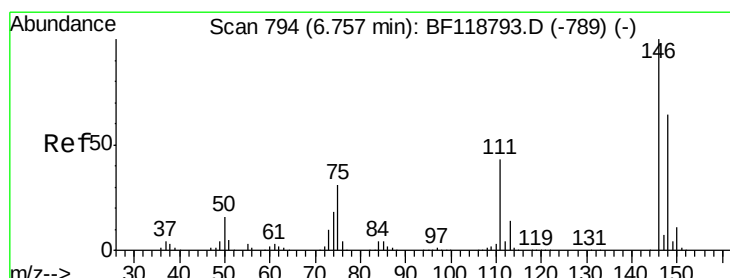
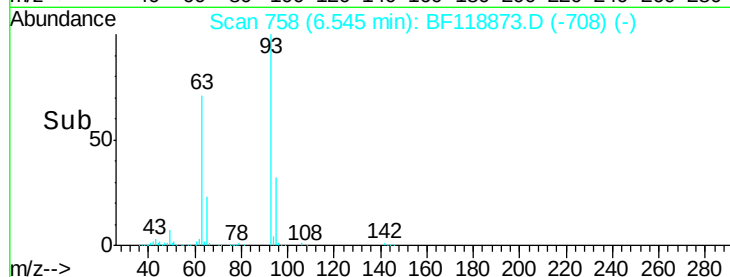
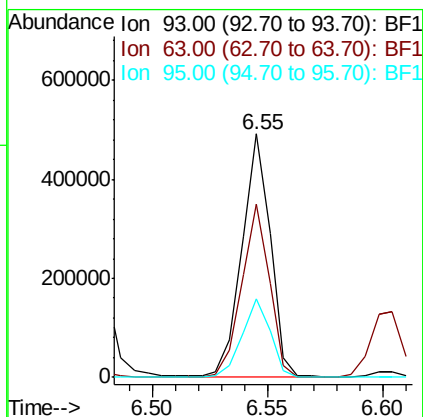
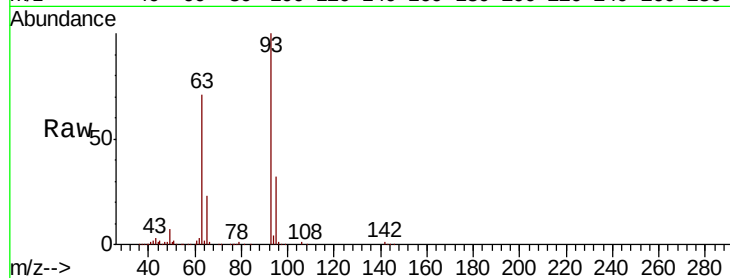




#11
bis(2-Chloroethyl)ether
Concen: 44.045 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

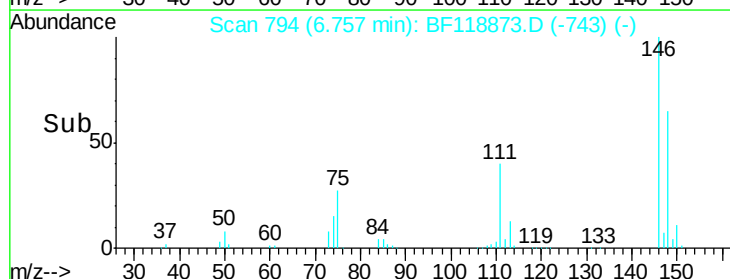
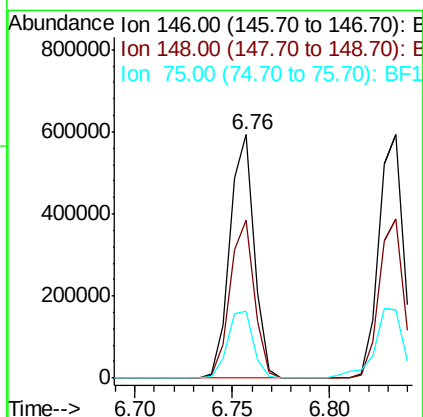
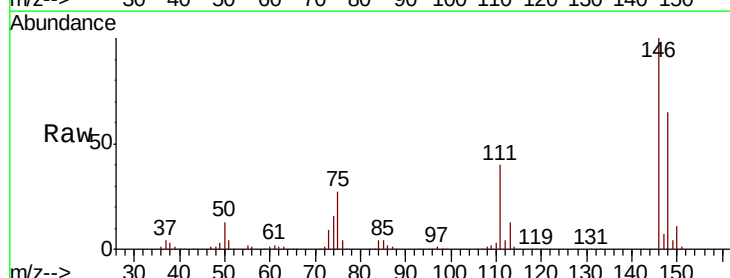
Instrument :
BNA_F
ClientSampleId :
TP-4MS

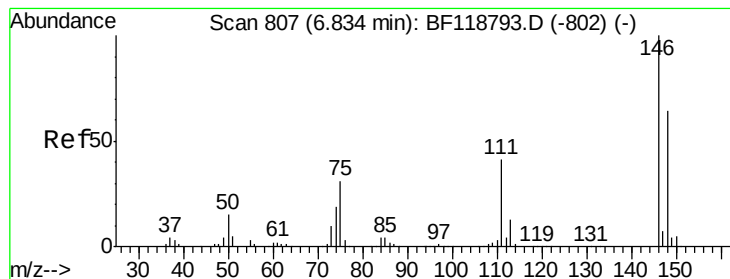
Tot Ion: 93 Resp: 421104
Ion Ratio Lower Upper
93 100
63 71.2 50.7 90.7
95 32.3 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 42.693 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion: 146 Resp: 512470
Ion Ratio Lower Upper
146 100
148 64.9 51.1 76.7
75 27.4 25.0 37.4





#13

1,4-Dichlorobenzene

Concen: 43.197 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

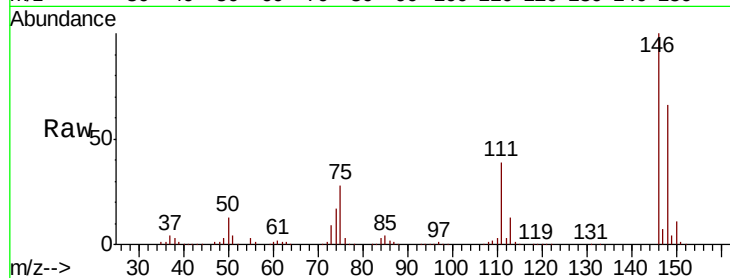
Tot Ion:146 Resp: 517214

Ion Ratio Lower Upper

146 100

148 65.6 51.6 77.4

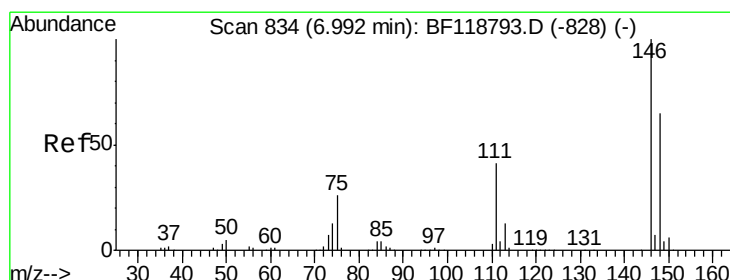
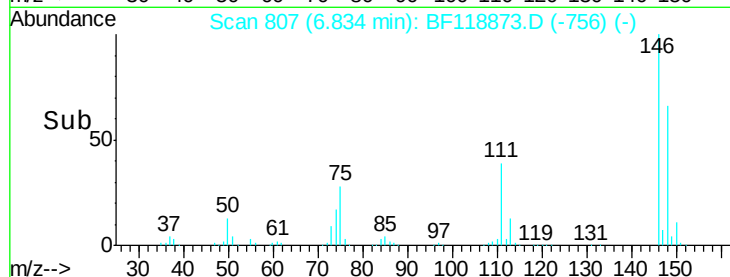
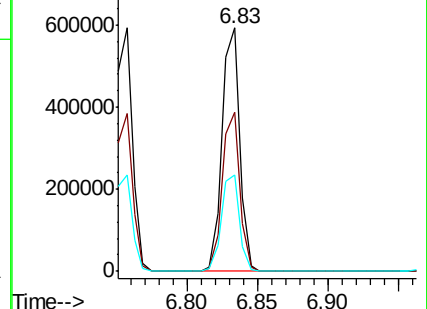
111 39.4 32.9 49.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 42.332 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

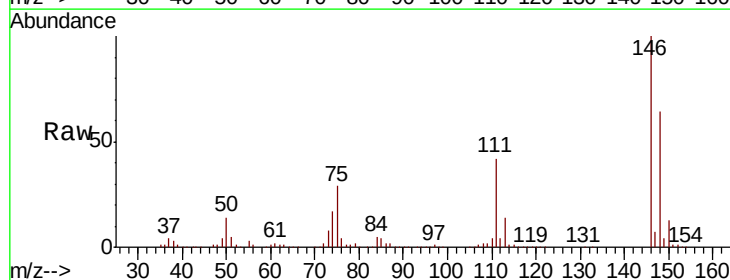
Tgt Ion:146 Resp: 484180

Ion Ratio Lower Upper

146 100

148 63.8 51.6 77.4

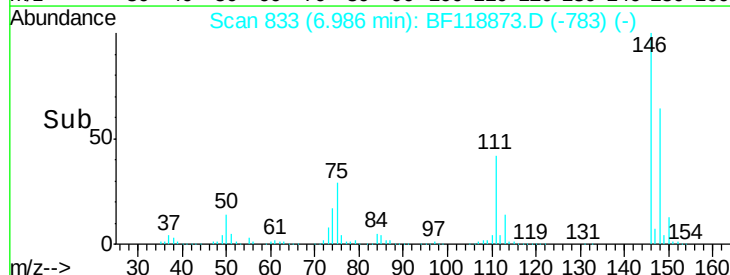
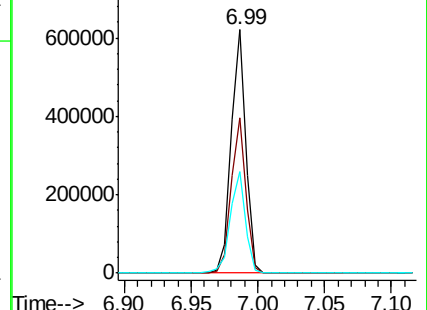
111 41.8 32.7 49.1

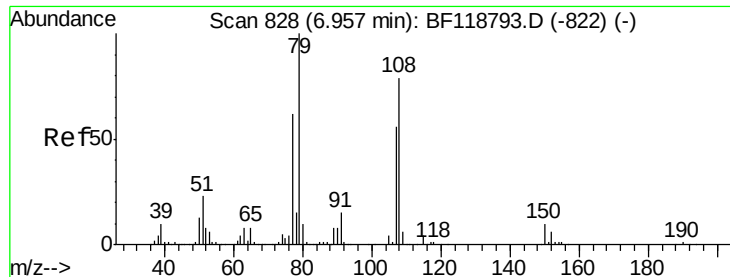


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.029 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

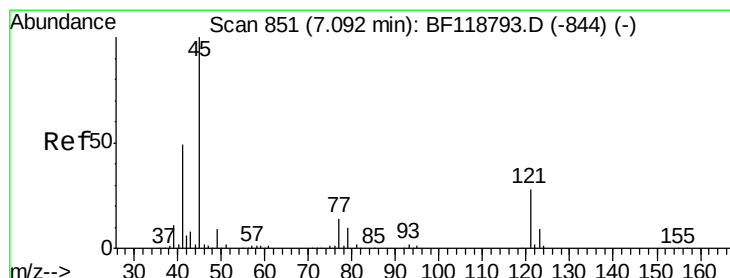
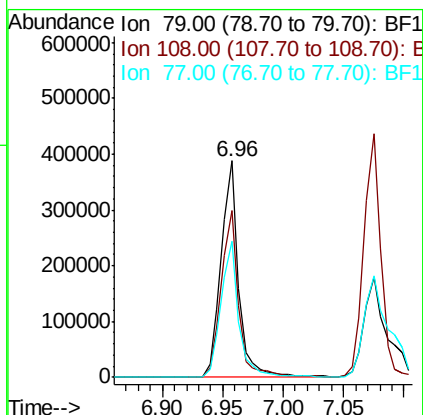
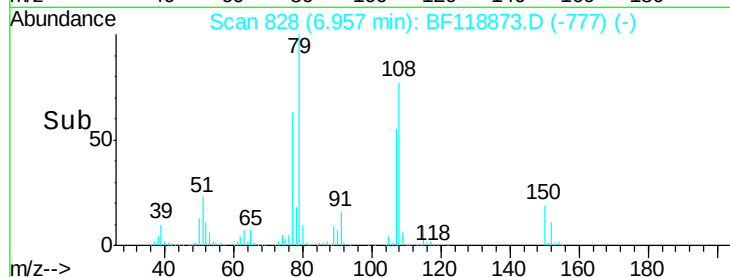
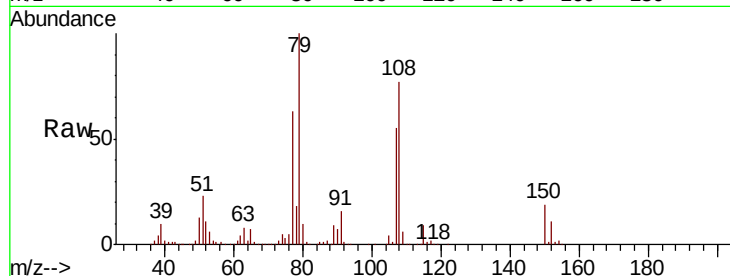
Tot Ion: 79 Resp: 391177

Ion Ratio Lower Upper

79 100

108 77.4 62.9 94.3

77 63.2 50.0 75.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.738 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

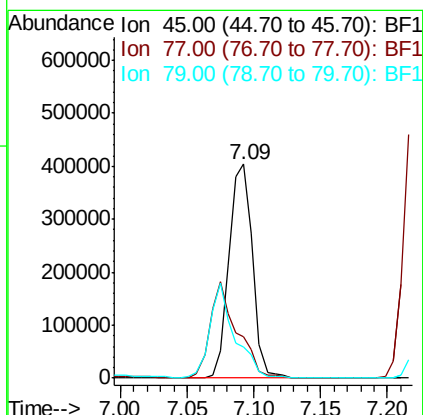
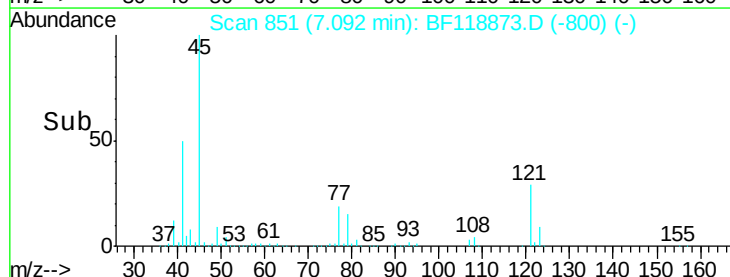
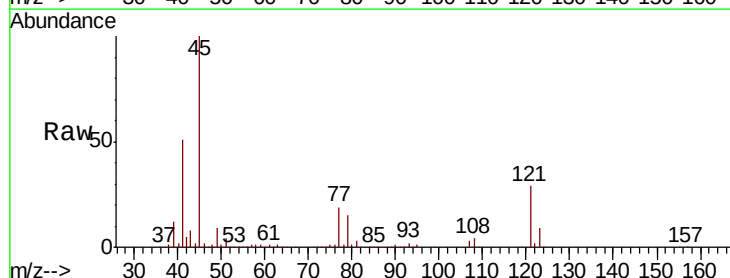
Tgt Ion: 45 Resp: 500389

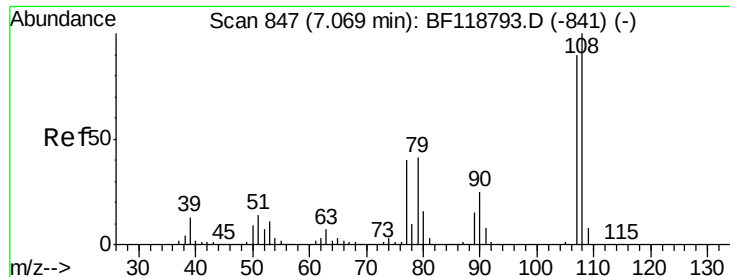
Ion Ratio Lower Upper

45 100

77 19.2 0.0 37.1

79 14.5 0.0 33.1

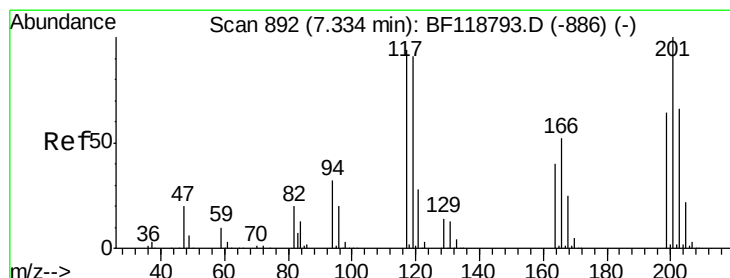
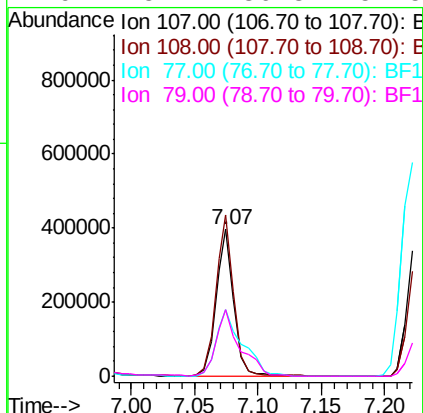
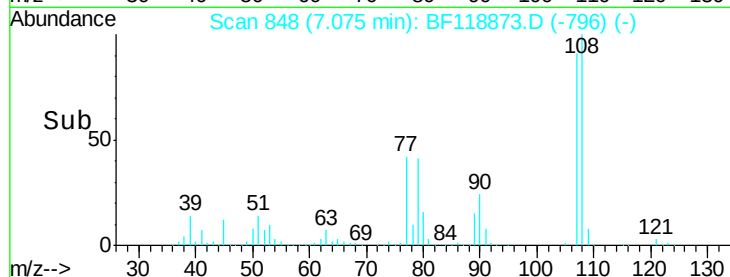
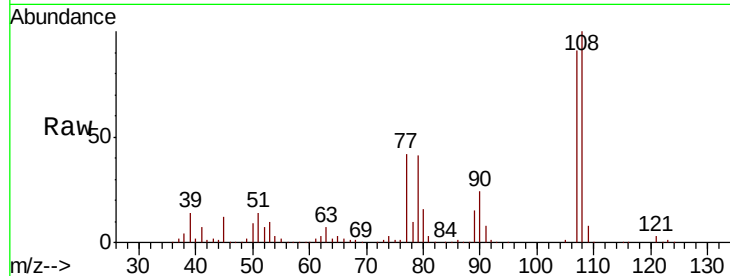




#17
2-Methylphenol
Concen: 45.822 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

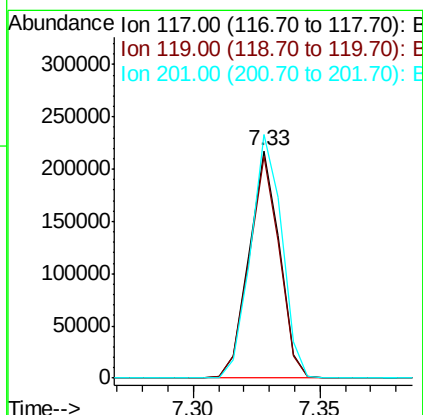
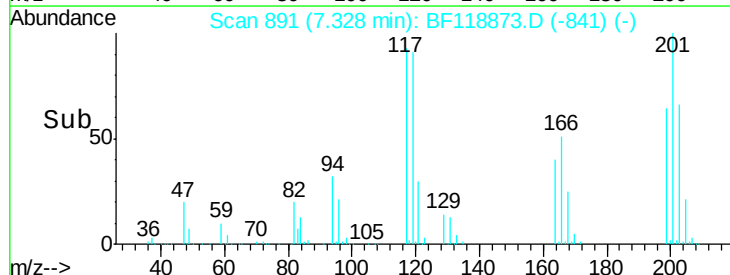
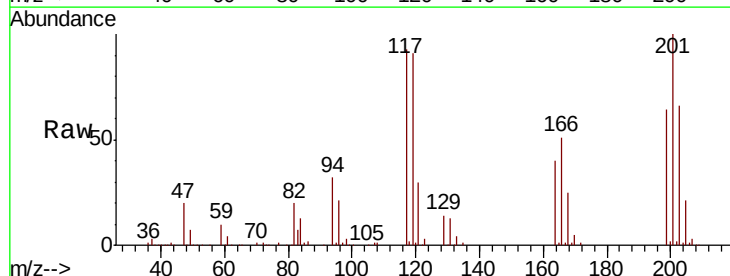
Instrument :
BNA_F
ClientSampleId :
TP-4MS

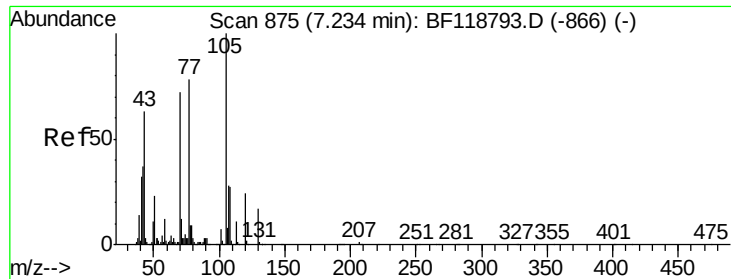
Tot Ion:107 Resp: 384174
Ion Ratio Lower Upper
107 100
108 110.2 89.3 133.9
77 45.8 36.2 54.2
79 45.4 36.3 54.5



#18
Hexachloroethane
Concen: 42.528 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:117 Resp: 182759
Ion Ratio Lower Upper
117 100
119 97.9 77.4 116.0
201 107.1 85.1 127.7

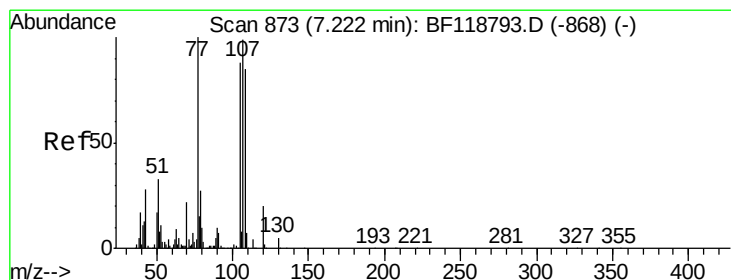
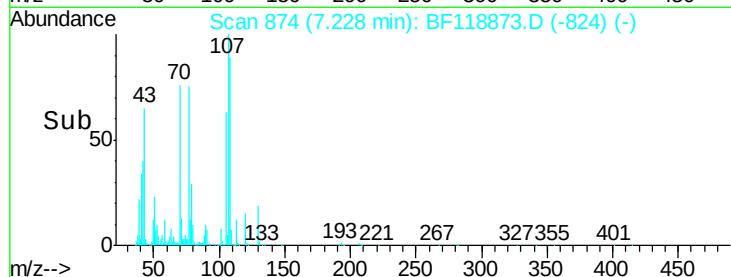
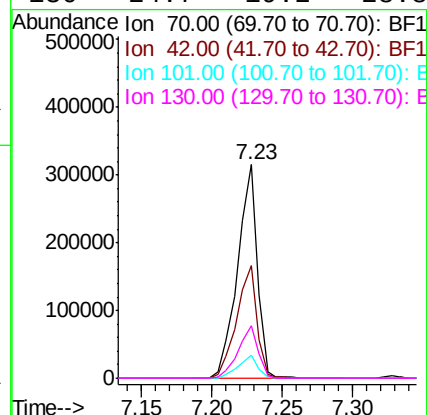
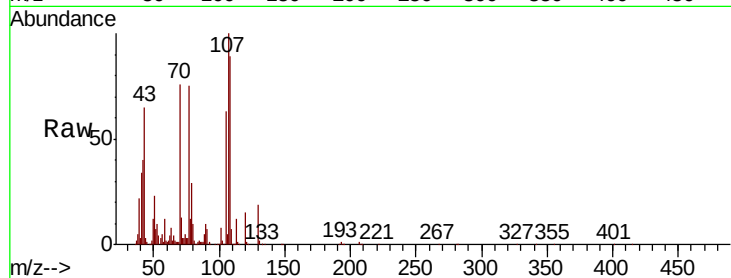




#19
n-Nitroso-di-n-propylamine
Concen: 45.009 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

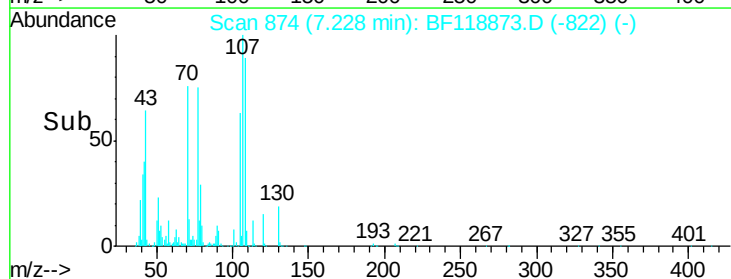
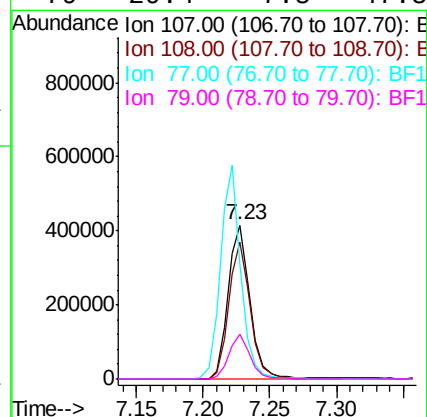
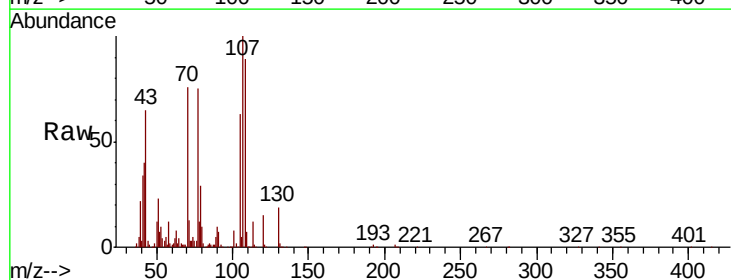
Instrument :
BNA_F
ClientSampleId :
TP-4MS

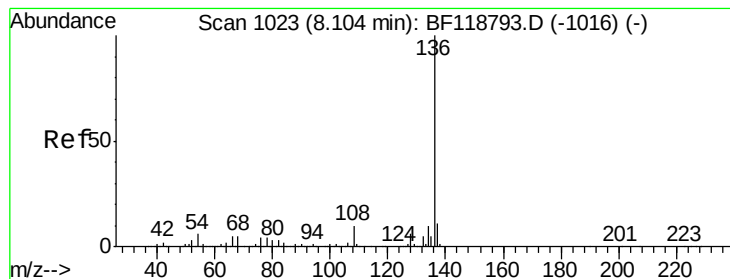
Tot Ion:	70	Resp:	309511
Ion	Ratio	Lower	Upper
70	100		
42	52.7	41.5	62.3
101	10.6	8.3	12.5
130	24.7	19.2	28.8



#20
3+4-Methylphenols
Concen: 45.371 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:	107	Resp:	476808
Ion	Ratio	Lower	Upper
107	100		
108	89.3	65.9	105.9
77	75.0	80.9	120.9
79	29.4	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

Tot Ion:136 Resp: 678767

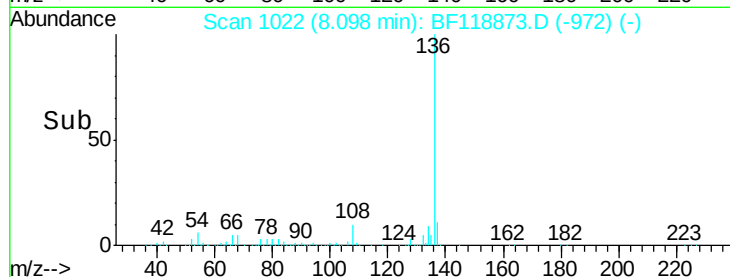
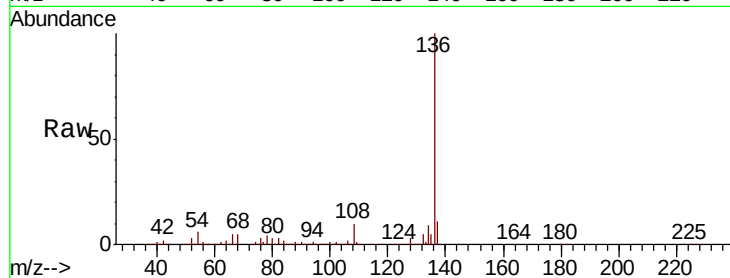
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.1 5.0 7.6

68 5.2 4.2 6.4

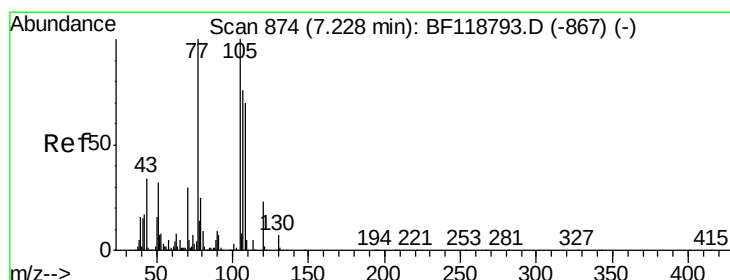
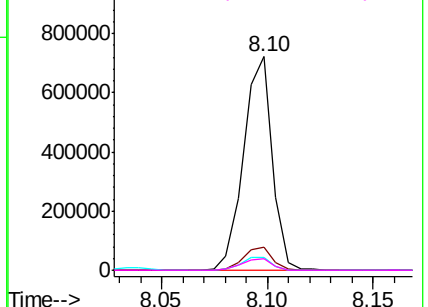


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.361 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Tgt Ion:105 Resp: 624707

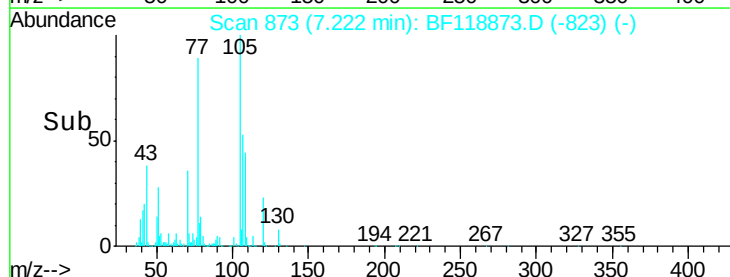
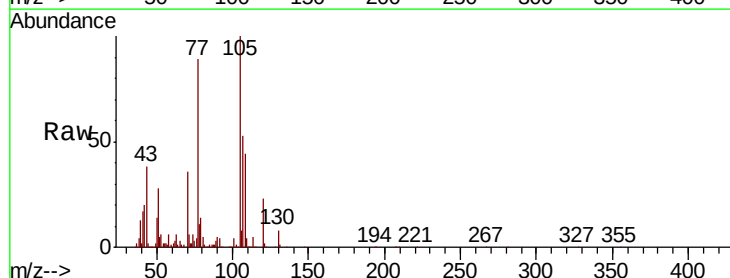
Ion Ratio Lower Upper

105 100

71 6.2 4.2 6.4

51 28.2 25.5 38.3

120 23.3 18.6 28.0

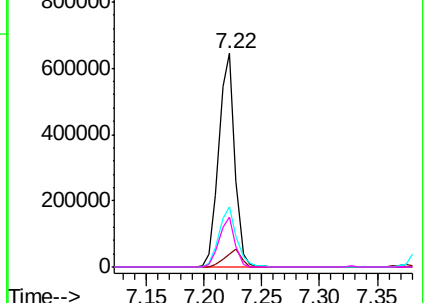


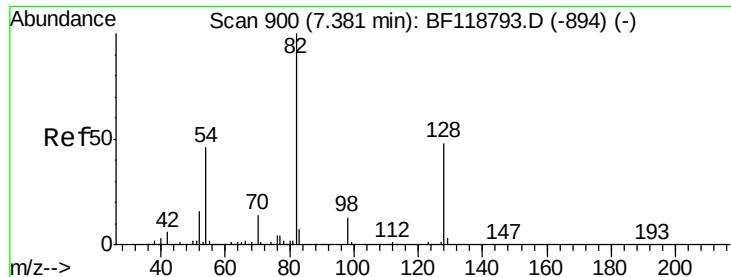
Abundance Ion 105.00 (104.70 to 105.70): E

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

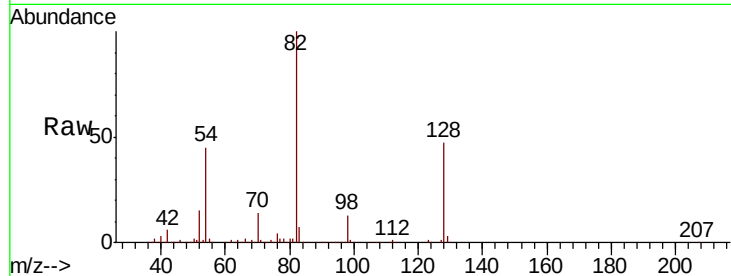




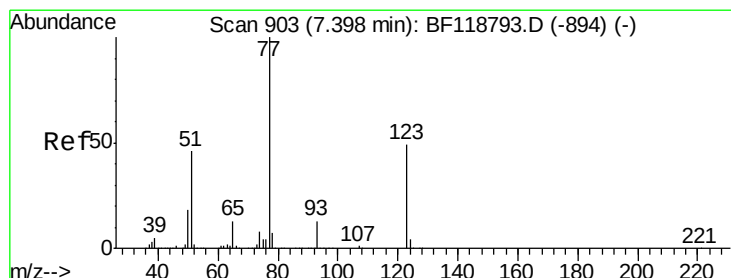
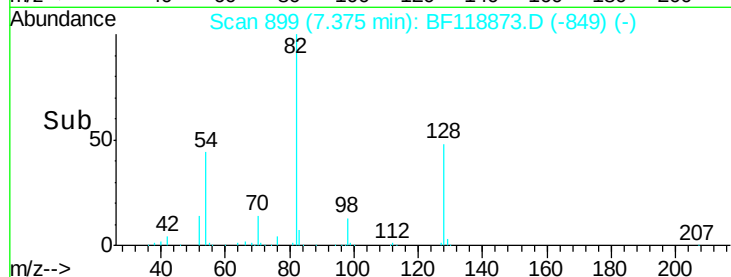
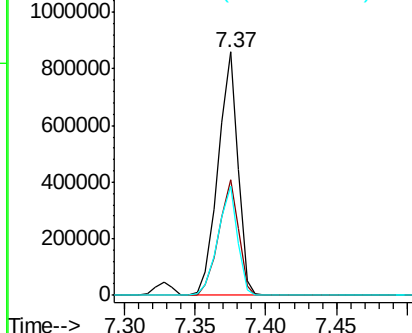
#23
 Nitrobenzene-d5
 Concen: 73.900 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleID :
 TP-4MS

Tot Ion	82	Resp	841552
Ion Ratio	Lower	Upper	
82	100		
128	47.5	38.5	57.7
54	44.9	36.7	55.1

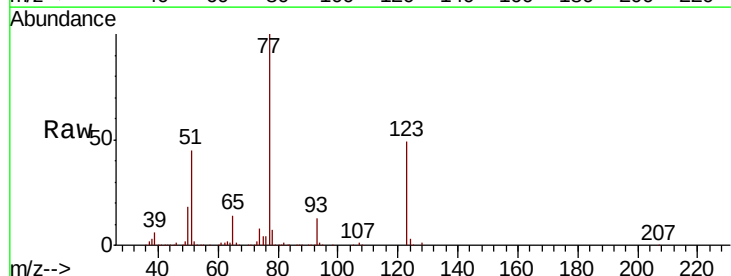


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

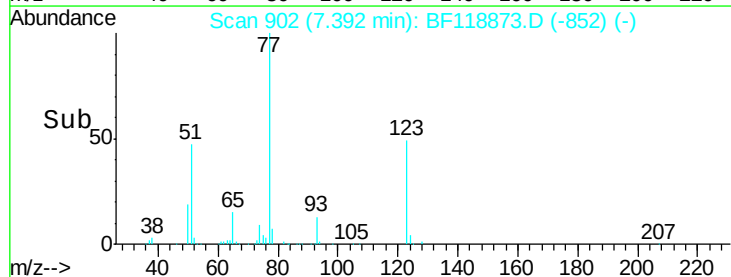
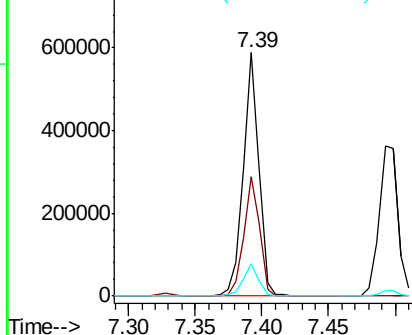


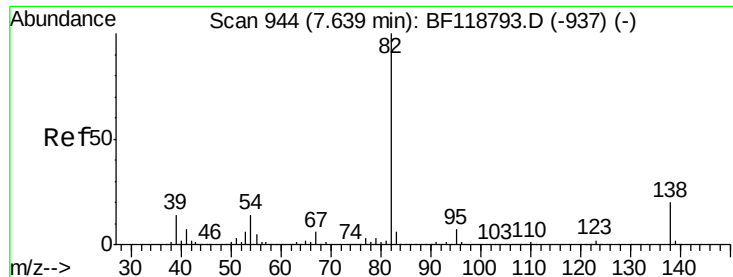
#24
 Nitrobenzene
 Concen: 42.139 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	77	Resp	479386
Ion Ratio	Lower	Upper	
77	100		
123	49.1	39.0	58.4
65	13.5	10.6	15.8



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: 42.618 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

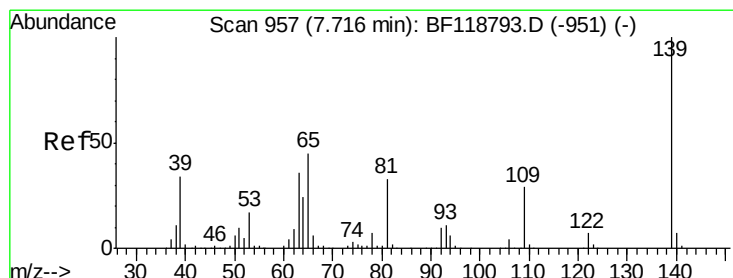
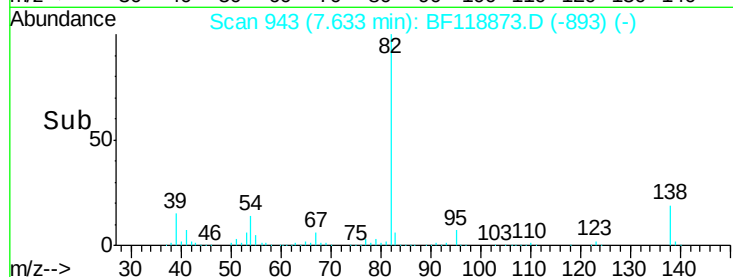
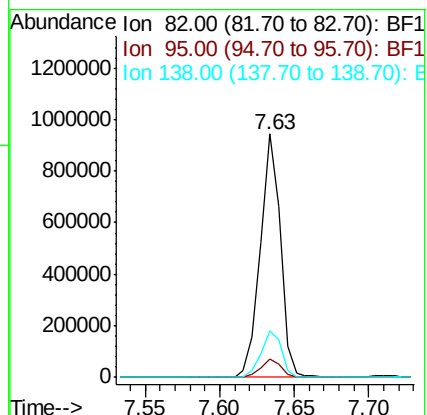
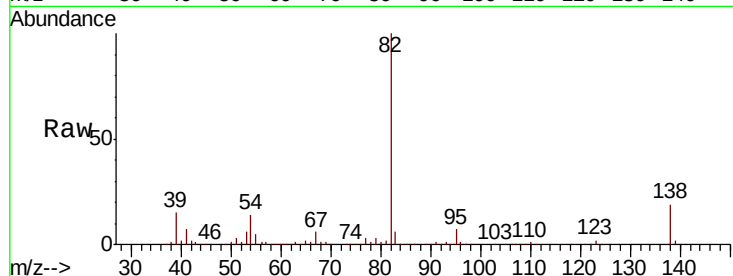
Tot Ion: 82 Resp: 872225

Ion Ratio Lower Upper

82 100

95 7.3 6.0 9.0

138 19.3 15.7 23.5



#26

2-Nitrophenol

Concen: 44.052 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

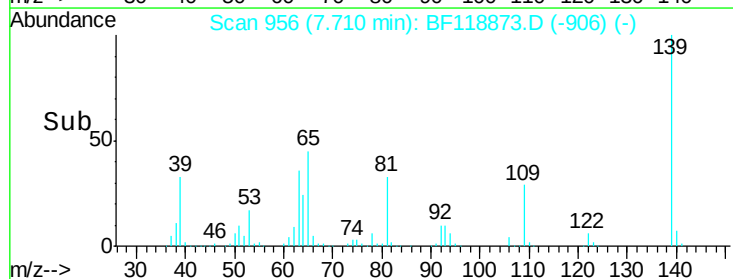
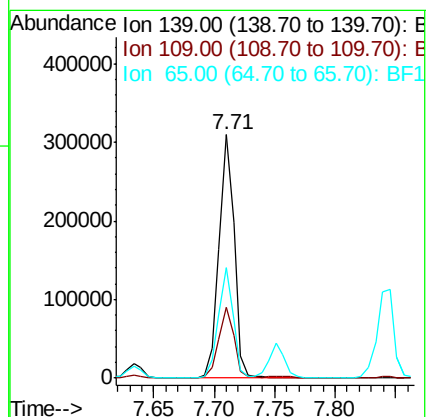
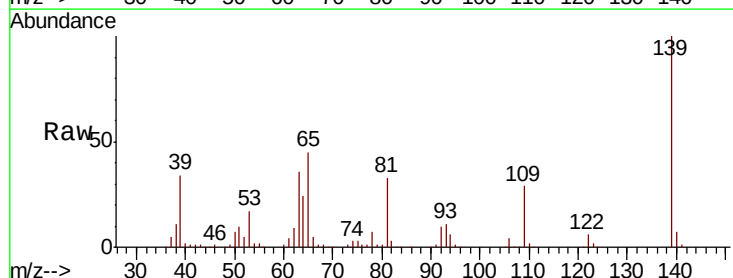
Tgt Ion: 139 Resp: 267042

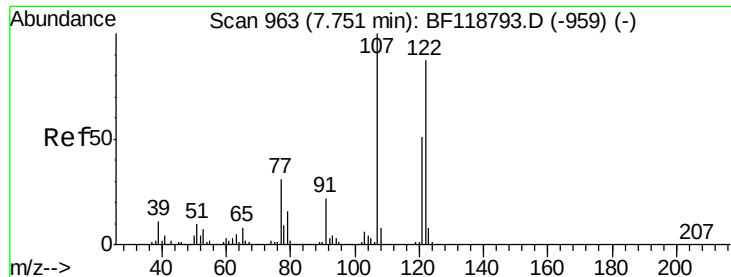
Ion Ratio Lower Upper

139 100

109 29.1 23.4 35.0

65 45.3 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 49.491 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

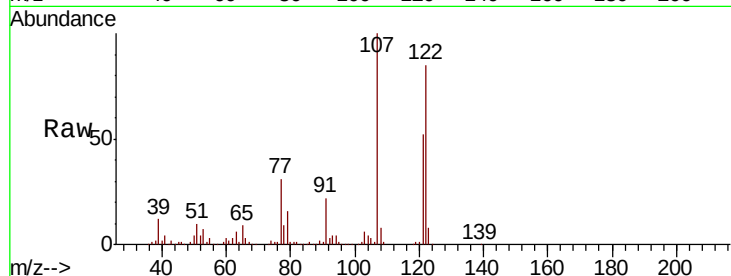
Tot Ion:122 Resp: 407538

Ion Ratio Lower Upper

122 100

107 118.3 92.2 138.2

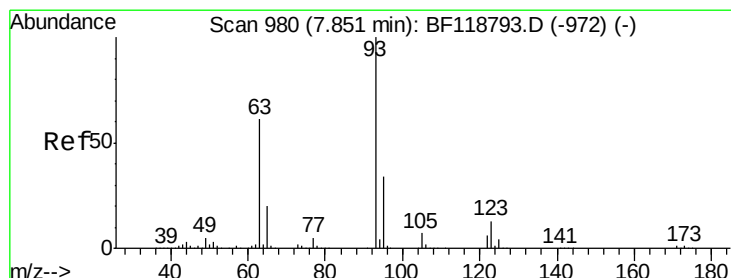
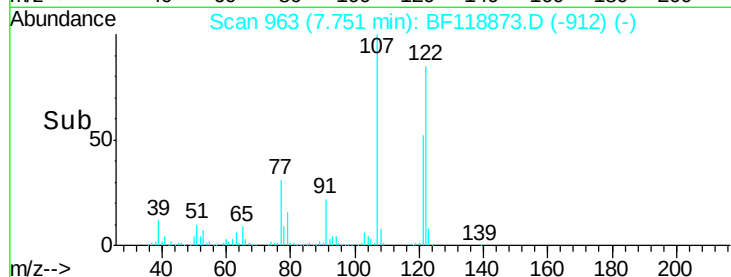
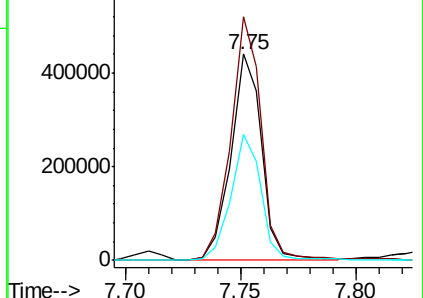
121 60.9 46.8 70.2



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: 41.694 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

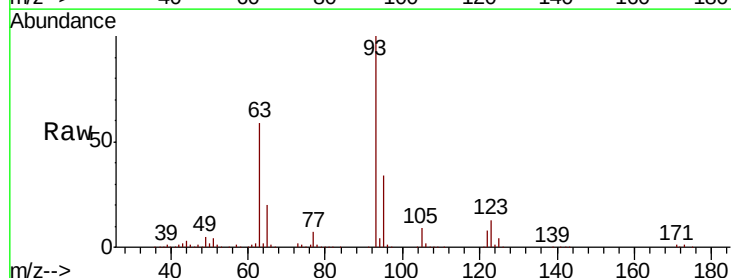
Tgt Ion: 93 Resp: 553321

Ion Ratio Lower Upper

93 100

95 33.7 27.0 40.4

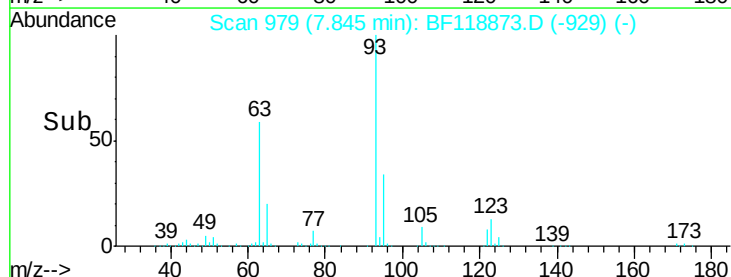
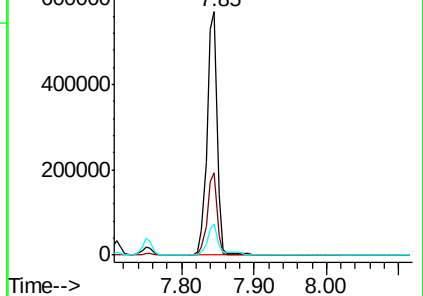
123 12.9 10.6 15.8

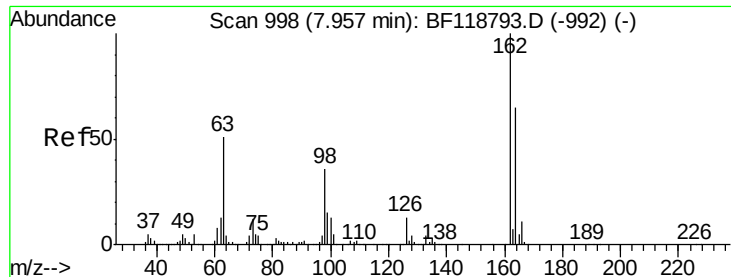


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

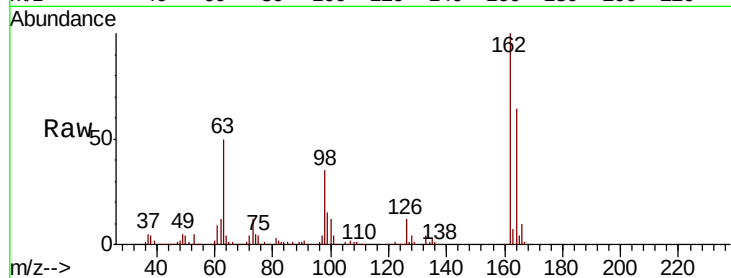




#29
2,4-Dichlorophenol
Concen: 43.301 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.8	84.8
98	35.1	16.4	56.4

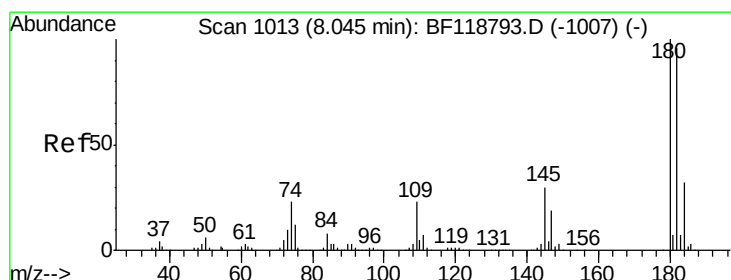
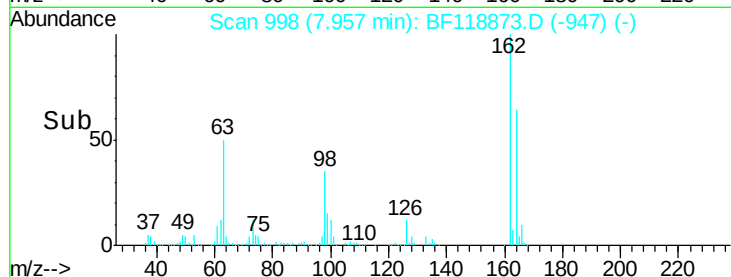
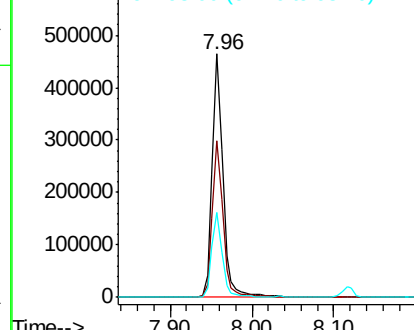


Abundance

Ion 162.00 (161.70 to 162.70): E

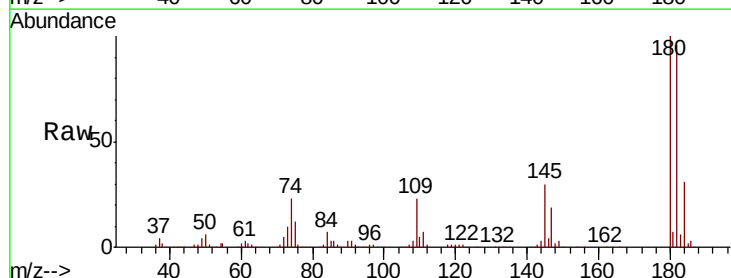
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.840 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
145	29.7	24.0	36.0

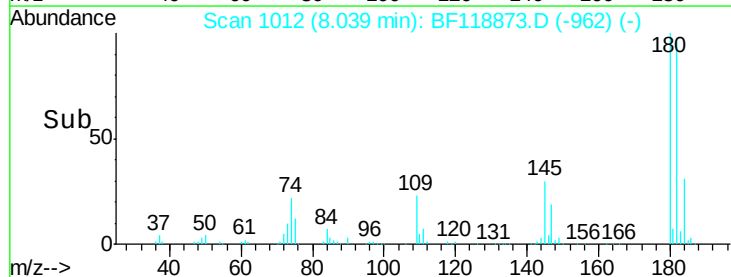
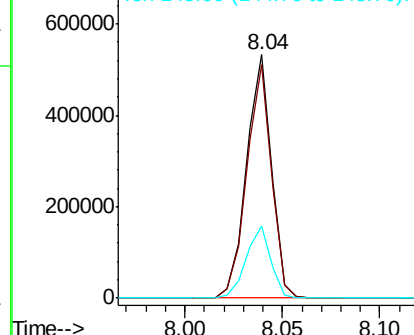


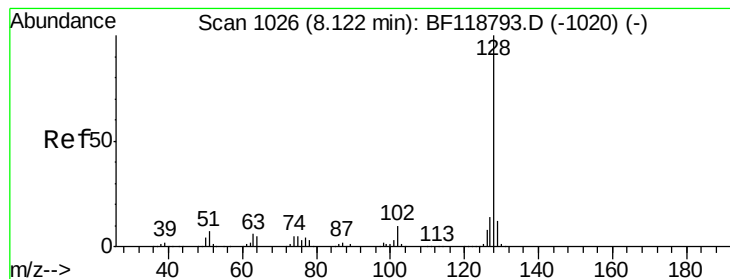
Abundance

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: 43.939 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

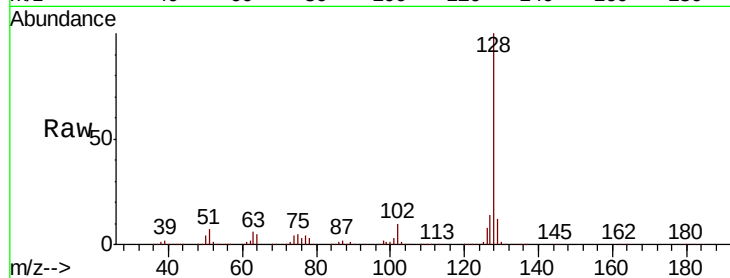
Tot Ion:128 Resp: 1364055

Ion Ratio Lower Upper

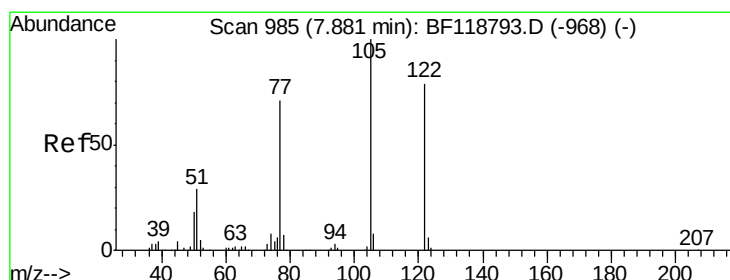
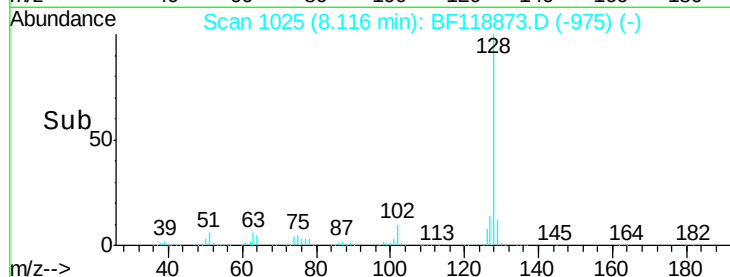
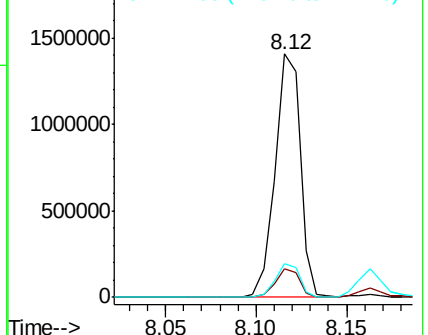
128 100

129 11.5 9.4 14.2

127 13.8 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 36.433 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

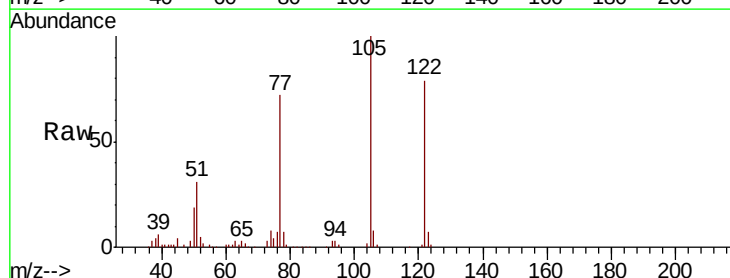
Tgt Ion:122 Resp: 248398

Ion Ratio Lower Upper

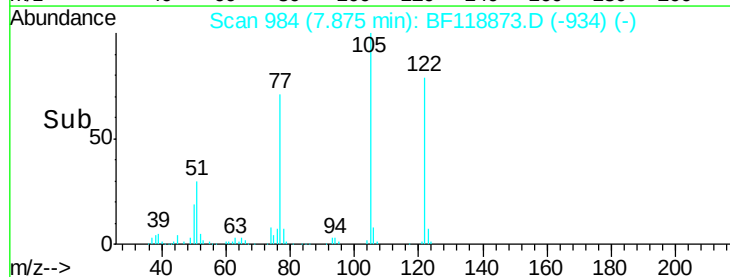
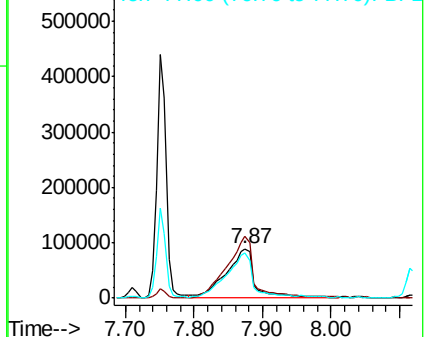
122 100

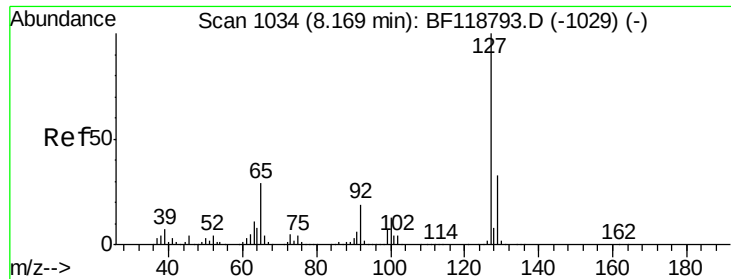
105 126.8 104.4 144.4

77 91.9 69.3 109.3



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

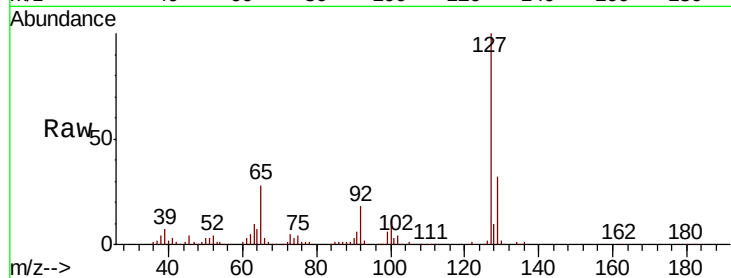




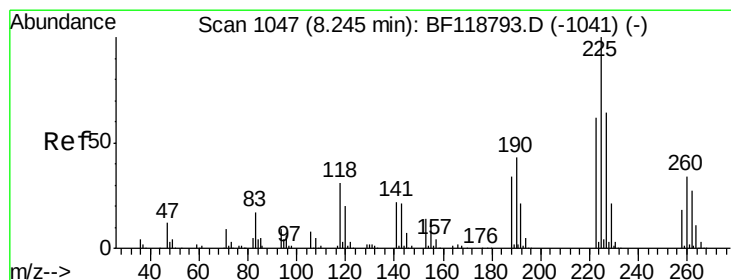
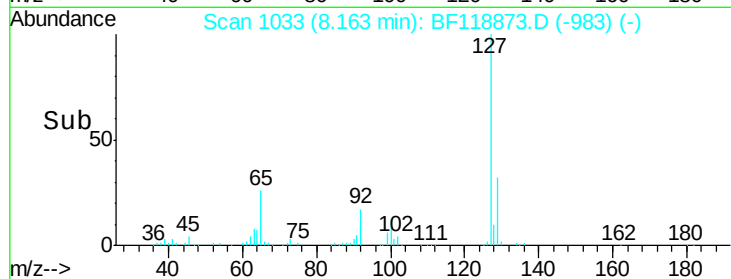
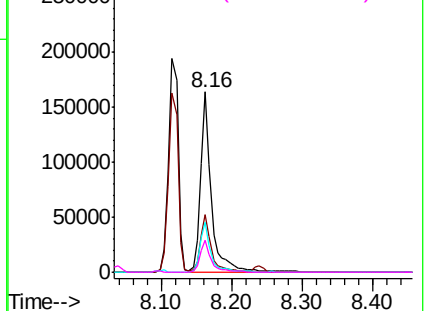
#33
4-Chloroaniline
Concen: 13.020 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:	127	Resp:	180830
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.7	40.1
65	27.8	22.9	34.3
92	17.5	15.4	23.0

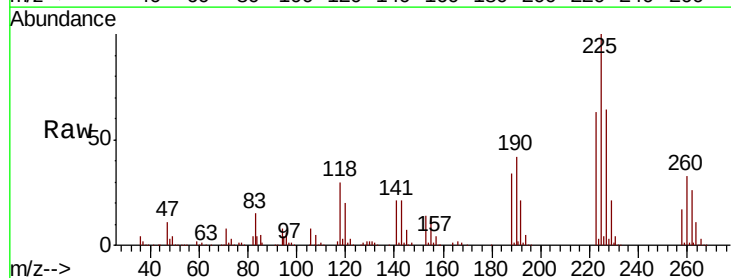


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

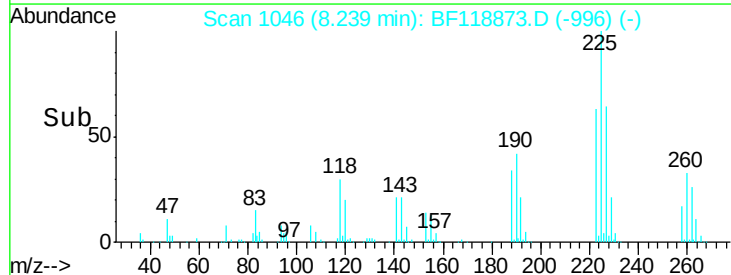
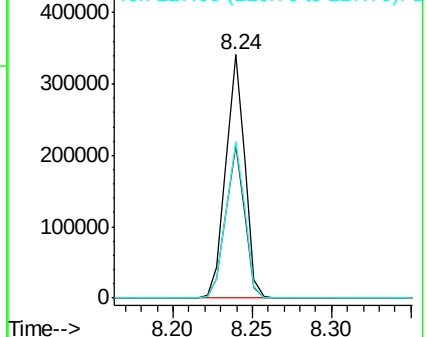


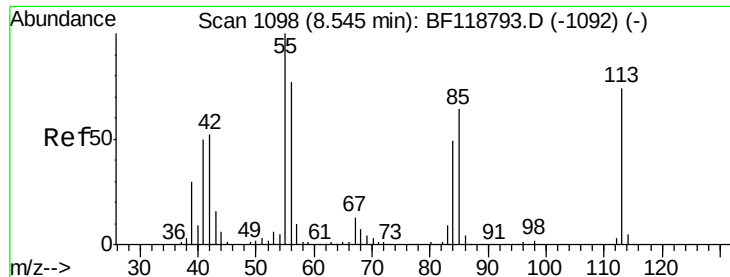
#34
Hexachlorobutadiene
Concen: 40.086 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:	225	Resp:	283085
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.8
227	64.5	51.0	76.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

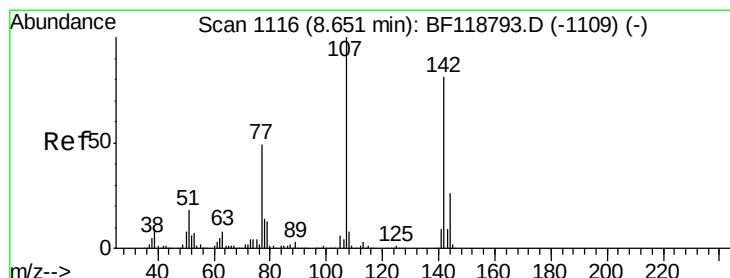
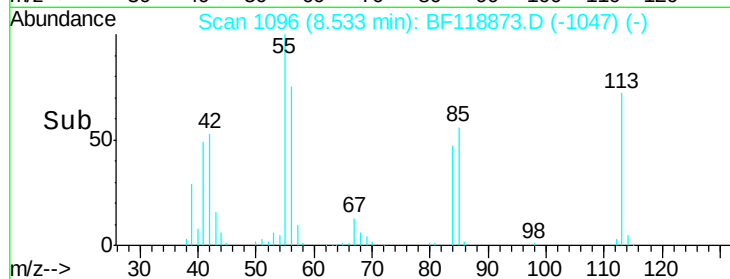
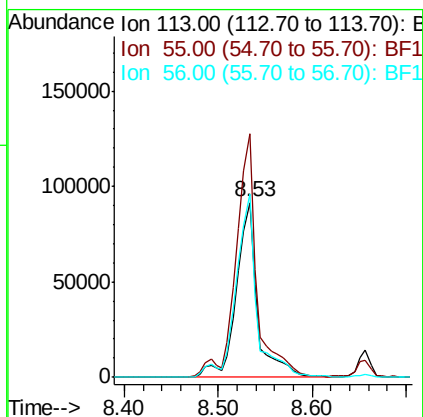
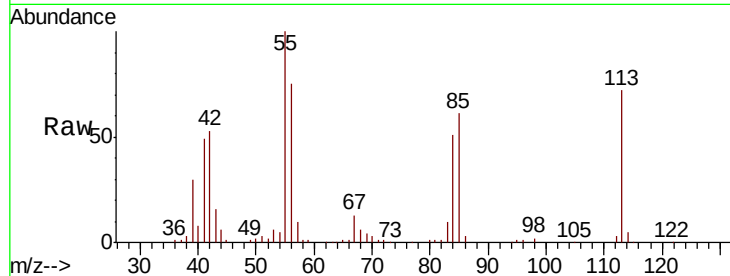




#35
 Caprolactam
 Concen: 44.772 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

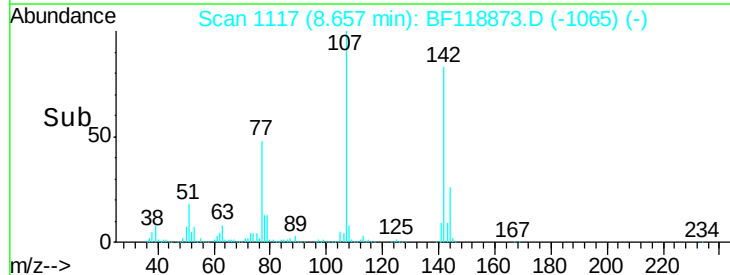
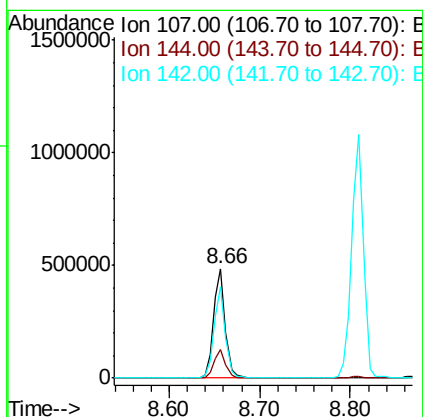
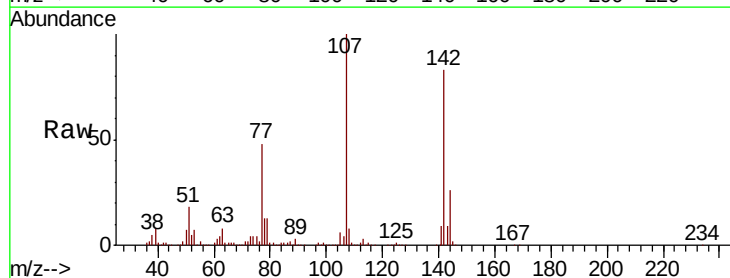
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

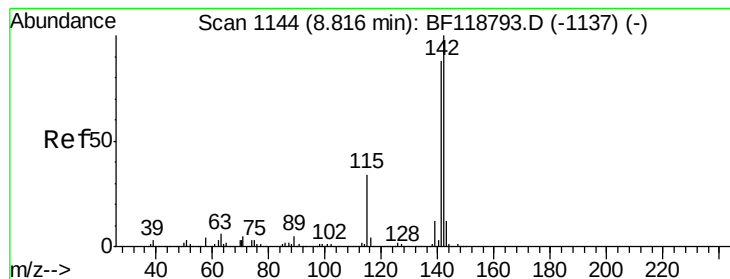
Tot Ion:113 Resp: 143134
 Ion Ratio Lower Upper
 113 100
 55 139.4 115.5 155.5
 56 104.8 83.7 123.7



#36
 4-Chloro-3-methylphenol
 Concen: 44.279 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. 0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:107 Resp: 439445
 Ion Ratio Lower Upper
 107 100
 144 26.3 21.0 31.6
 142 83.4 64.8 97.2





#37

2-Methylnaphthalene

Concen: 44.586 ng

RT: 8.81 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

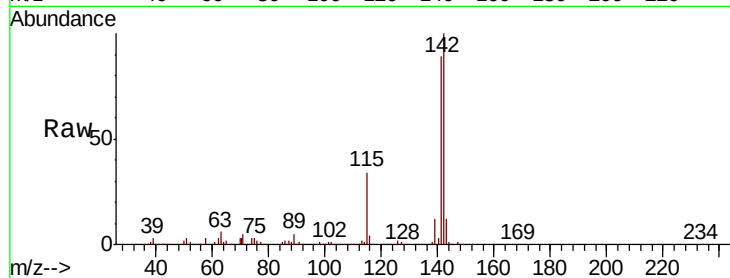
Tot Ion:142 Resp: 959953

Ion Ratio Lower Upper

142 100

141 88.9 70.1 105.1

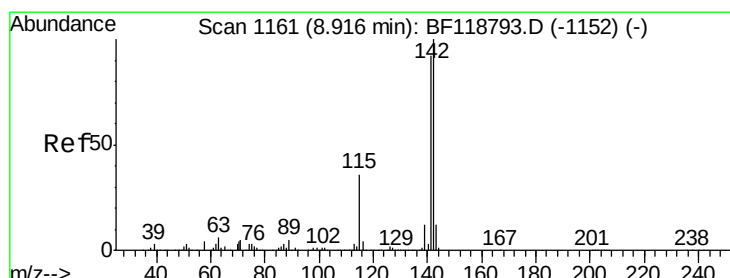
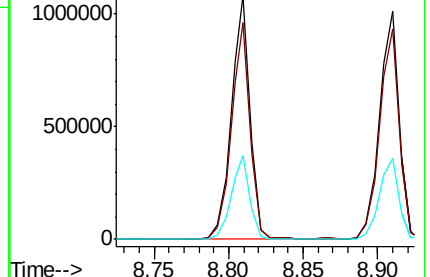
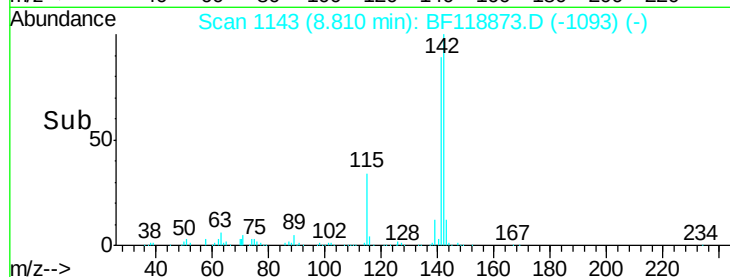
115 34.4 27.3 40.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 44.658 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

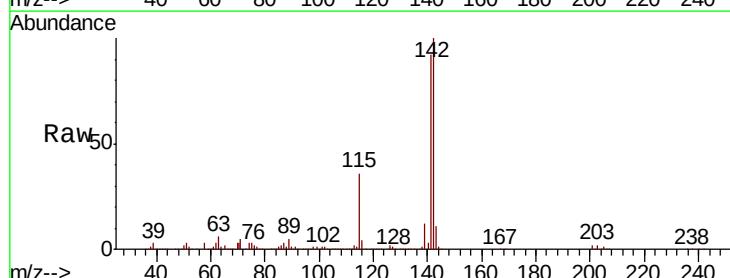
Tgt Ion:142 Resp: 904505

Ion Ratio Lower Upper

142 100

141 92.3 73.8 110.6

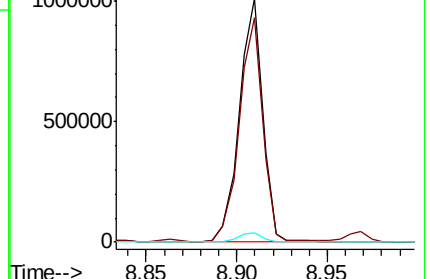
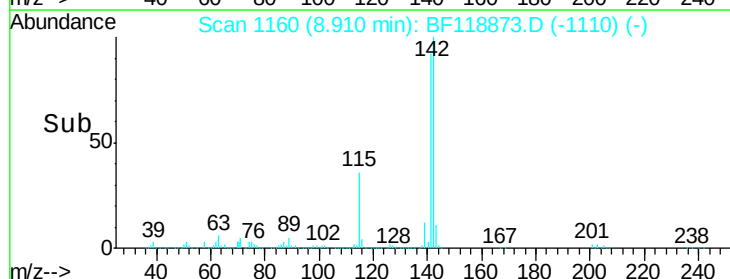
116 3.6 3.0 4.4

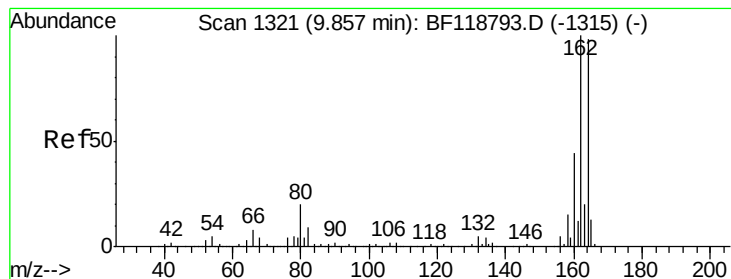


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

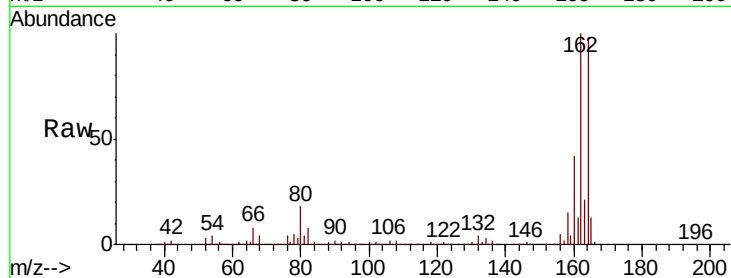
Tot Ion:164 Resp: 399746

Ion Ratio Lower Upper

164 100

162 101.6 81.4 122.2

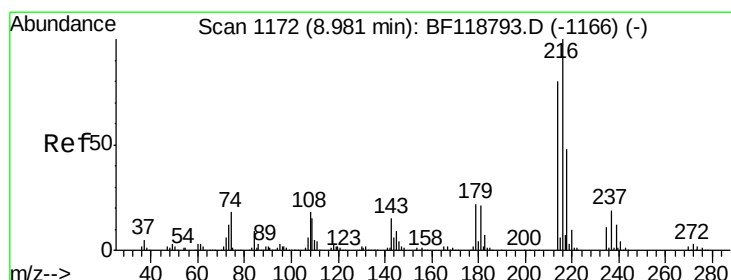
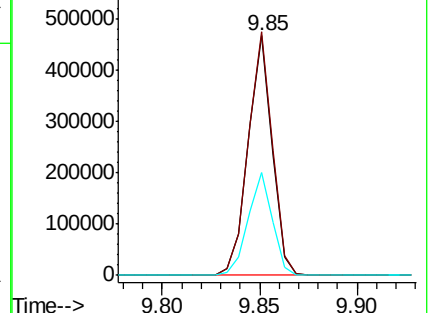
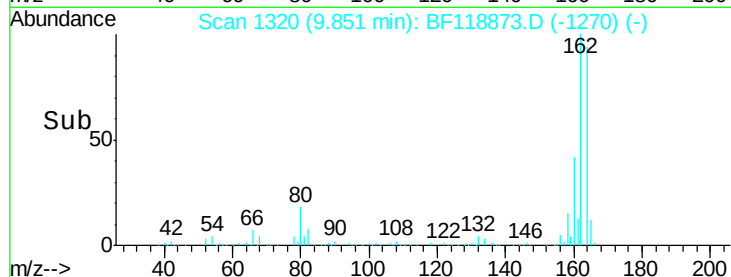
160 43.1 35.6 53.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.320 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Tgt Ion:216 Resp: 486449

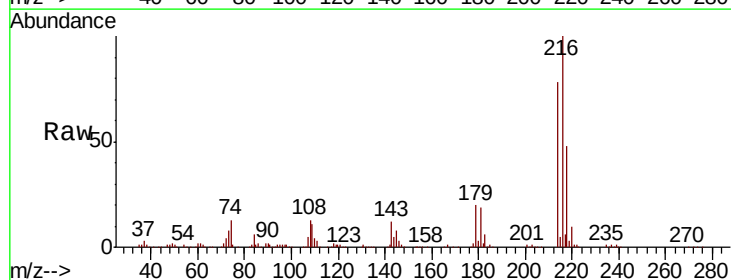
Ion Ratio Lower Upper

216 100

214 78.7 63.0 94.4

179 20.8 17.0 25.6

108 17.4 13.5 20.3

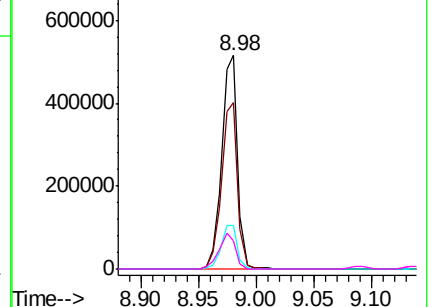
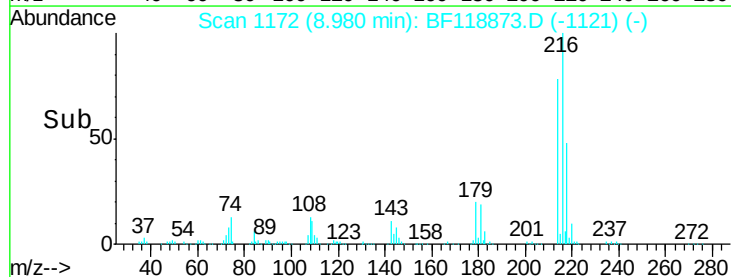


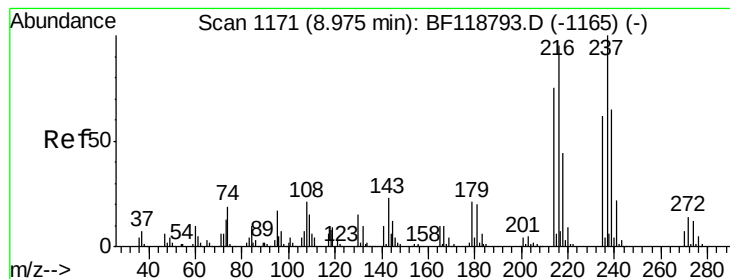
Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 66.468 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

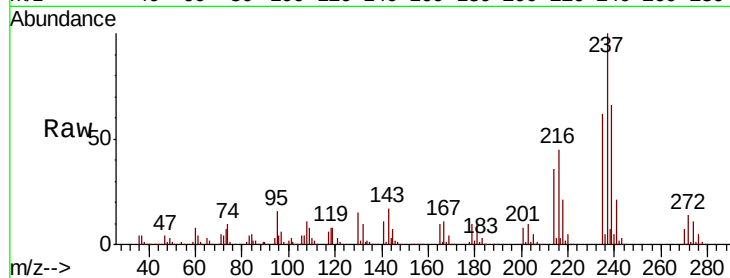
Tot Ion:237 Resp: 314442

Ion Ratio Lower Upper

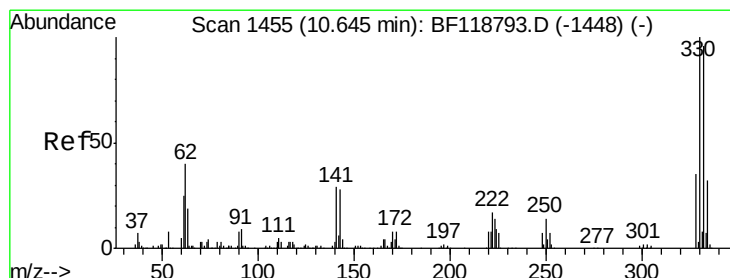
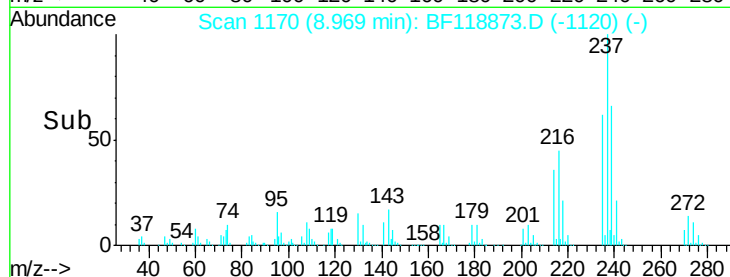
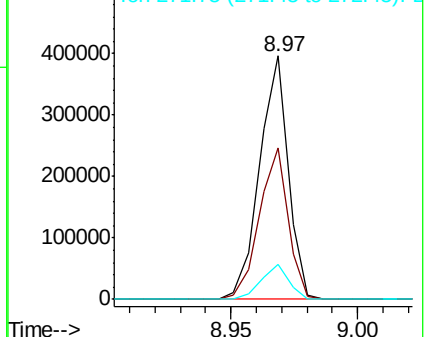
237 100

235 62.1 42.1 82.1

272 14.2 0.0 34.4



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



#42

2,4,6-Tribromophenol

Concen: 108.254 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

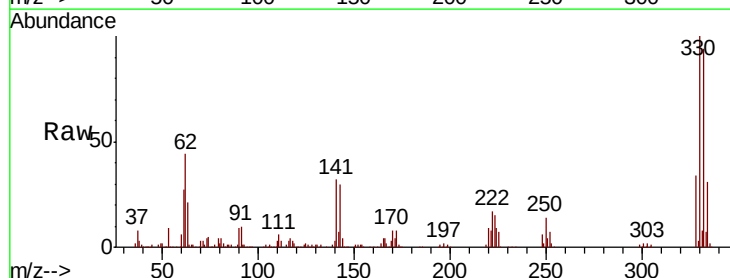
Tgt Ion:330 Resp: 517788

Ion Ratio Lower Upper

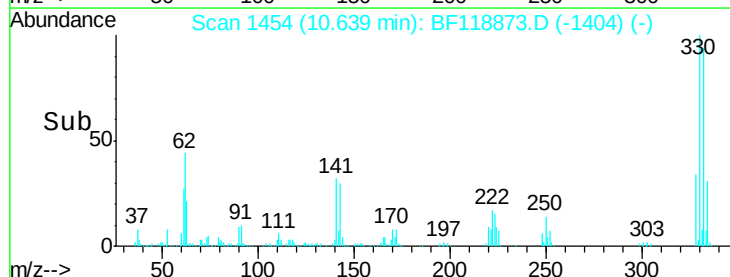
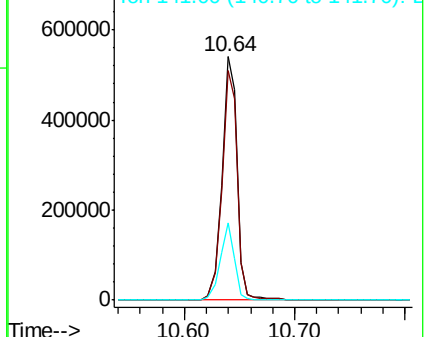
330 100

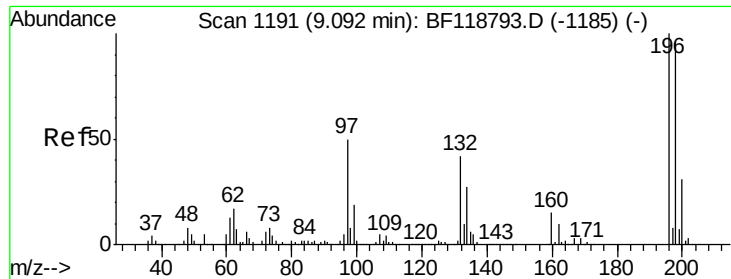
332 95.7 77.3 115.9

141 29.3 22.4 33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

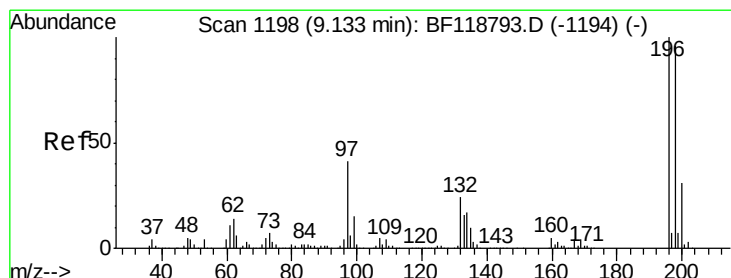
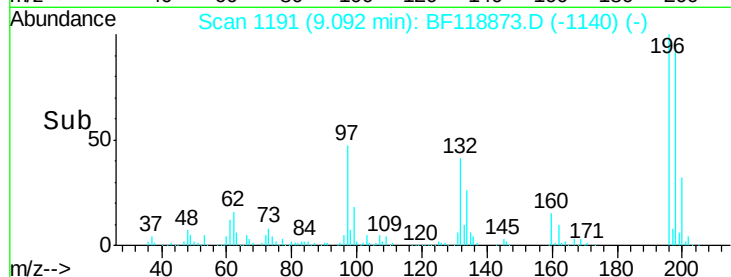
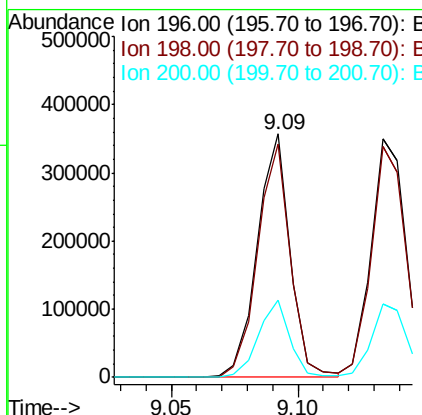
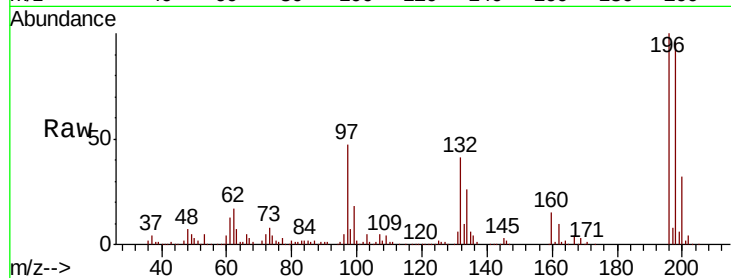




#43
 2,4,6-Trichlorophenol
 Concen: 40.040 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

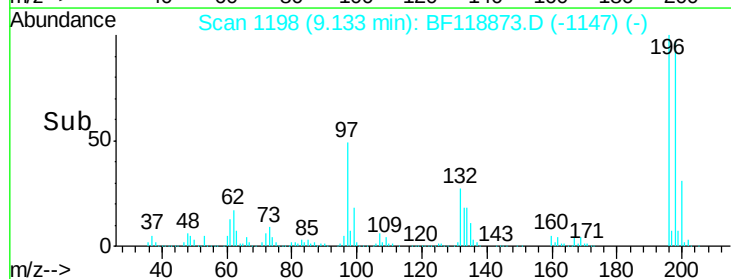
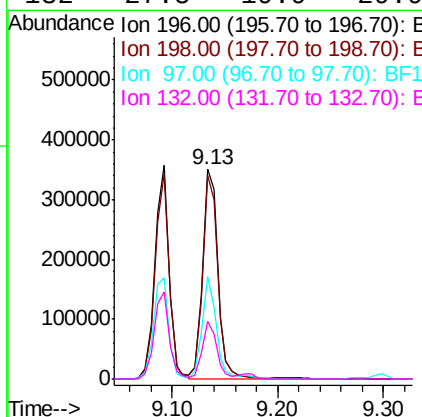
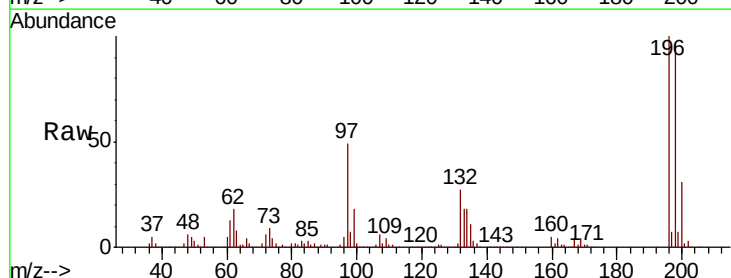
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

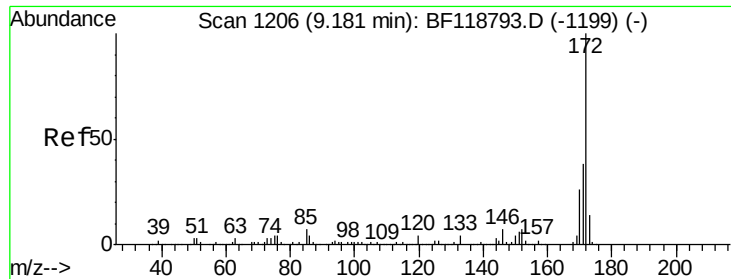
Tot Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.7	115.1
200	31.7	24.9	37.3



#44
 2,4,5-Trichlorophenol
 Concen: 42.728 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.0	115.4
97	48.7	32.9	49.3
132	27.5	19.9	29.9

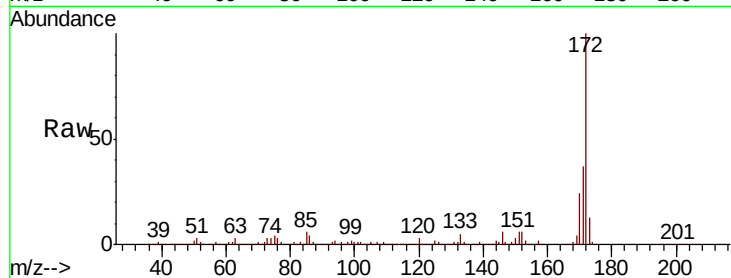




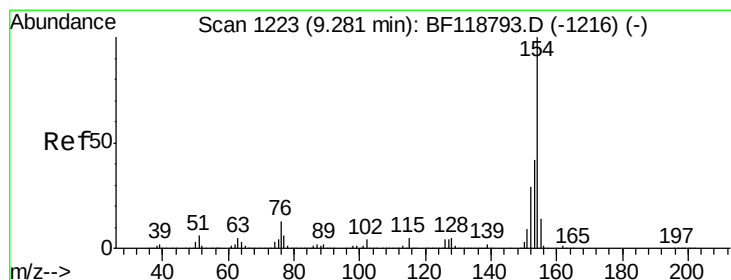
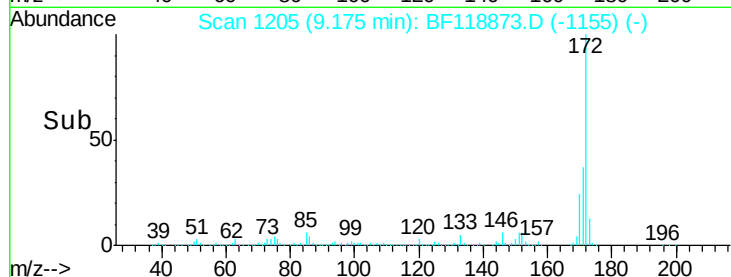
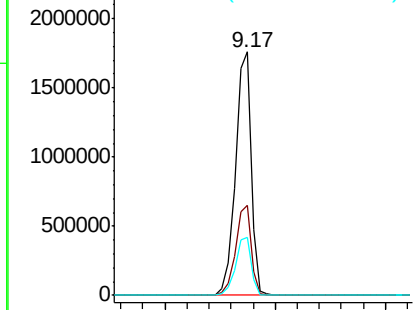
#45
2-Fluorobiphenyl
Concen: 79.108 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:172 Resp: 1768930
Ion Ratio Lower Upper
172 100
171 36.7 30.8 46.2
170 24.0 20.5 30.7

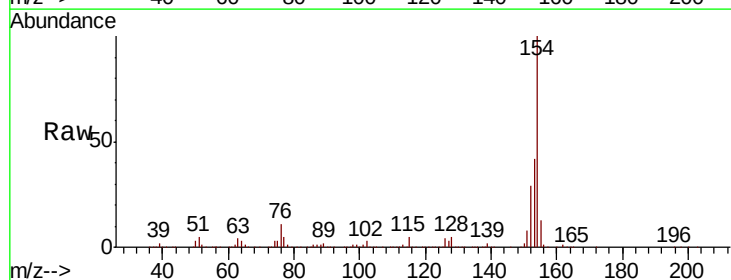


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

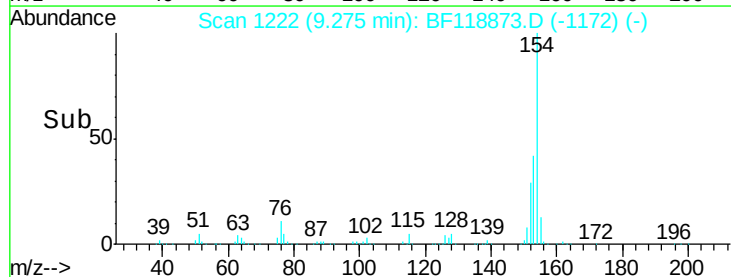
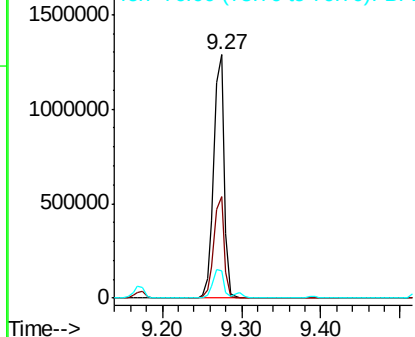


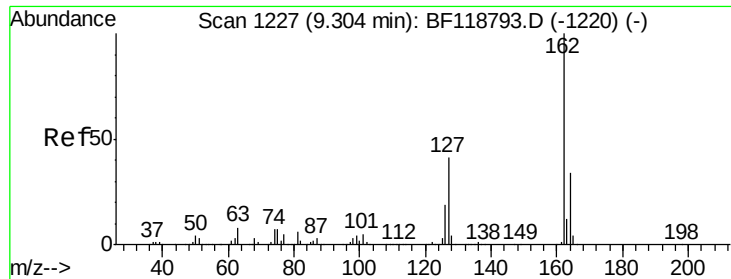
#46
1,1'-Biphenyl
Concen: 42.725 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:154 Resp: 1181451
Ion Ratio Lower Upper
154 100
153 41.6 22.4 62.4
76 11.2 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

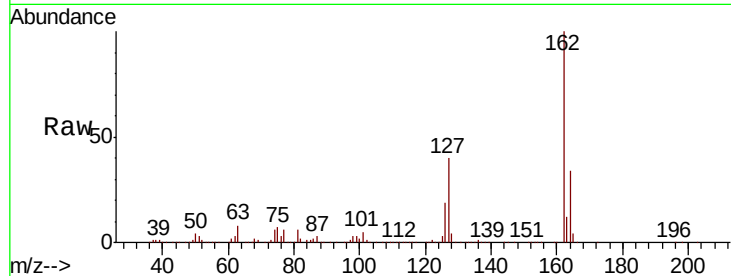




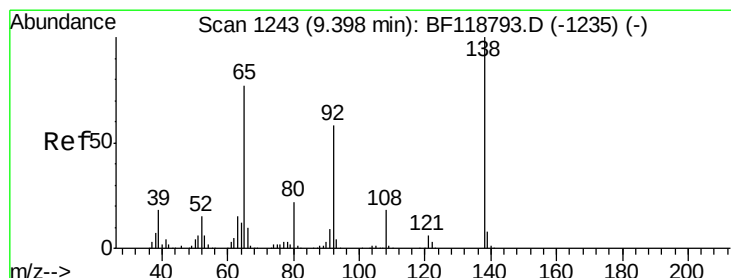
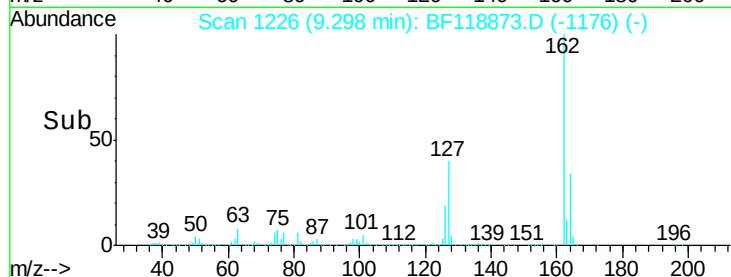
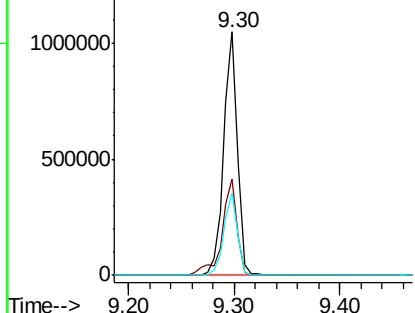
#47
 2-Chloronaphthalene
 Concen: 41.308 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion:	162	Resp:	949595
Ion	Ratio	Lower	Upper
162	100		
127	39.5	33.3	49.9
164	33.8	27.1	40.7

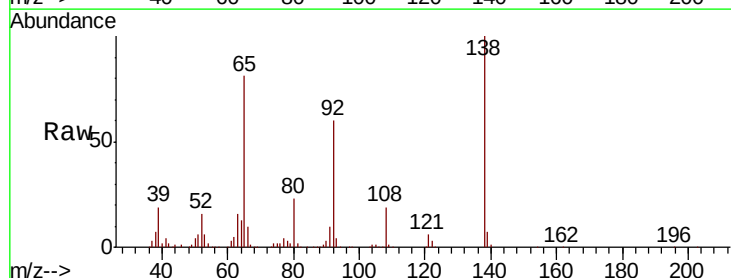


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

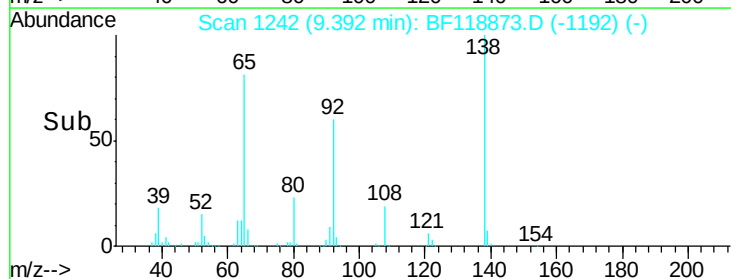
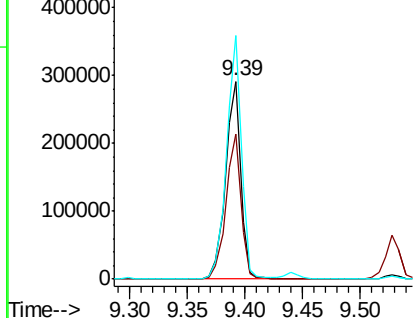


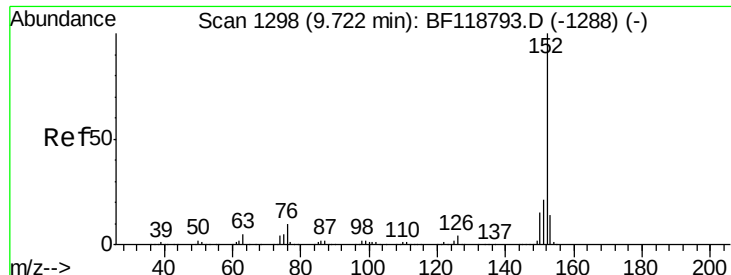
#48
 2-Nitroaniline
 Concen: 40.425 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:	65	Resp:	268030
Ion	Ratio	Lower	Upper
65	100		
92	73.4	60.6	91.0
138	122.9	104.6	156.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.031 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

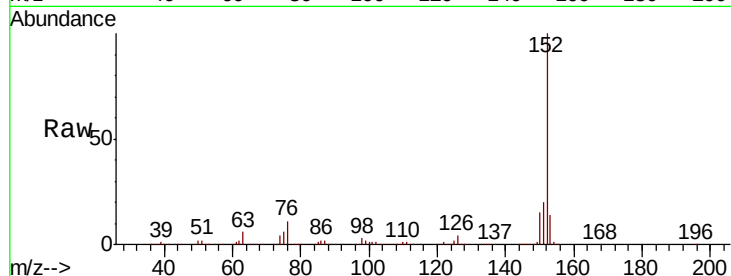
Tot Ion:152 Resp: 1494683

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

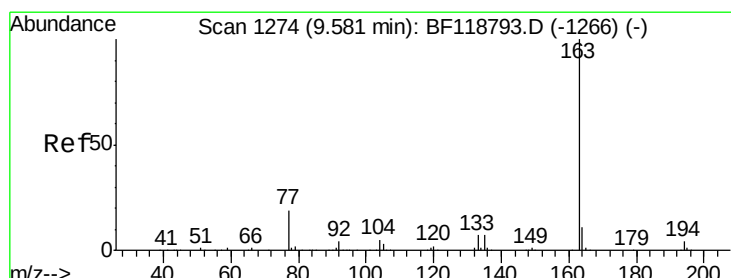
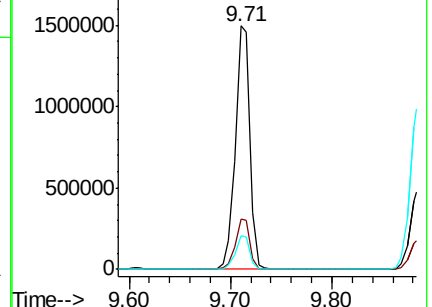
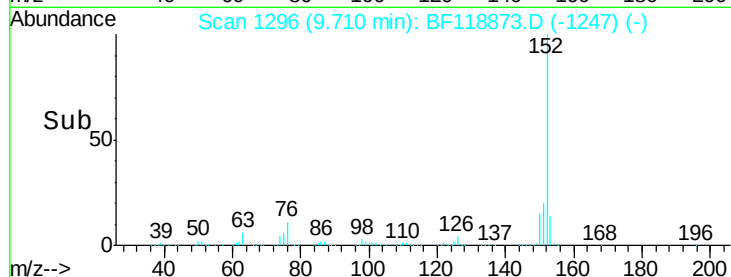
153 13.8 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.697 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

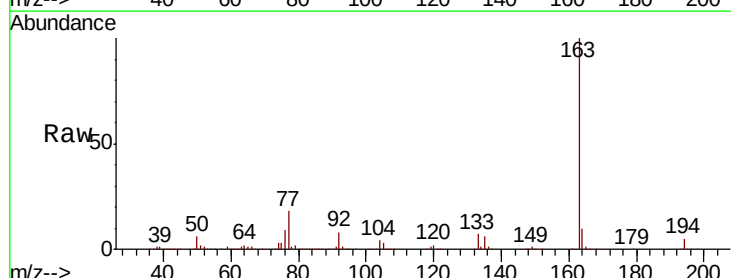
Tgt Ion:163 Resp: 1243812

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

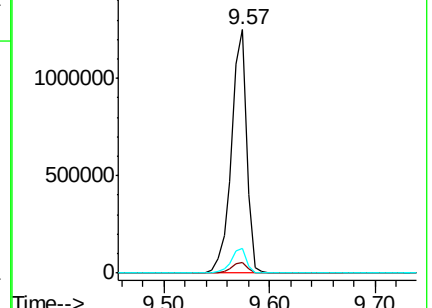
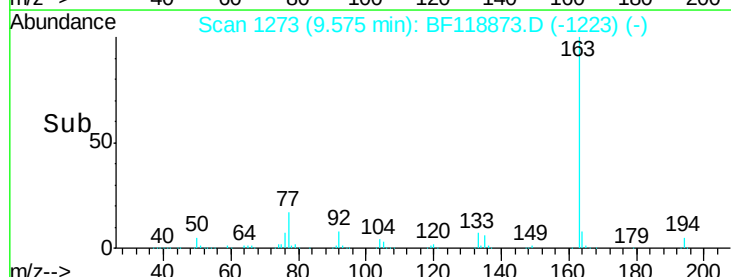
164 10.1 8.7 13.1

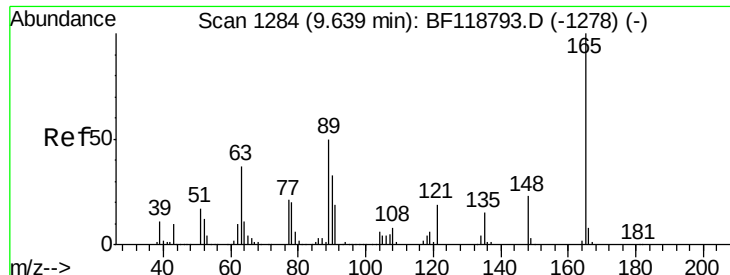


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

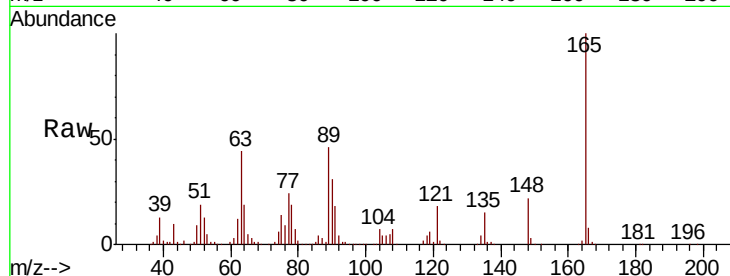




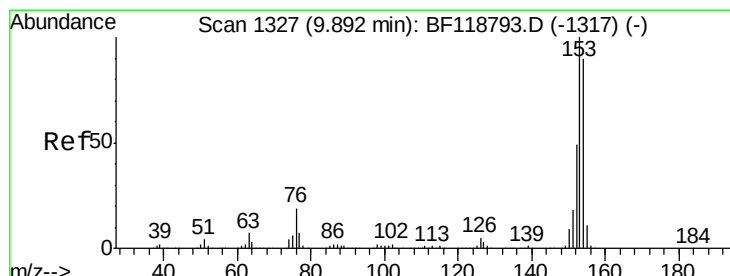
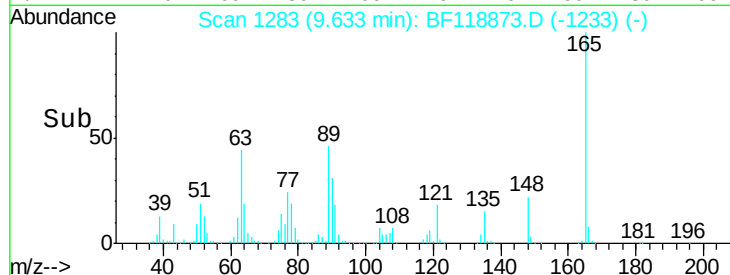
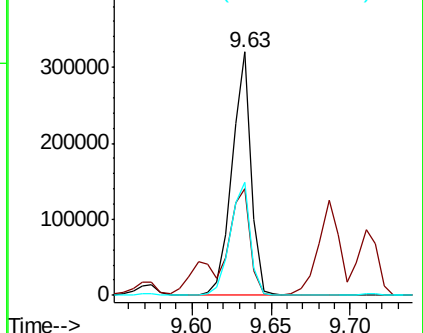
#51
 2,6-Dinitrotoluene
 Concen: 43.012 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.0	37.4	56.0
89	46.2	39.7	59.5

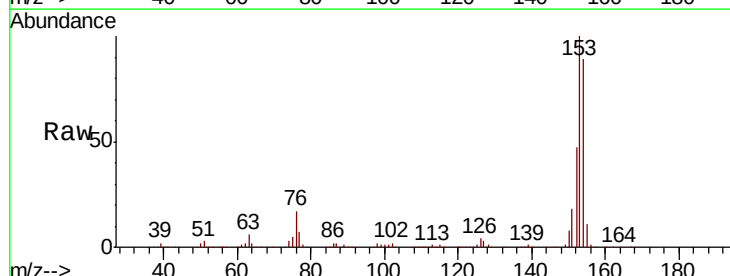


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

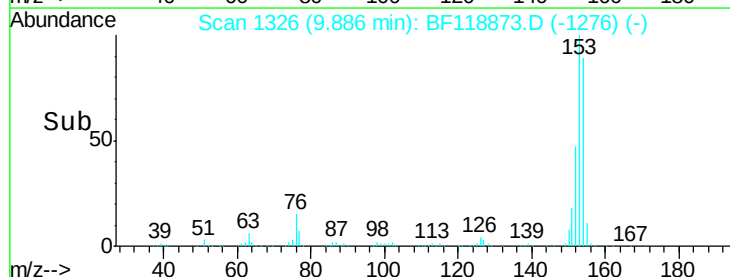
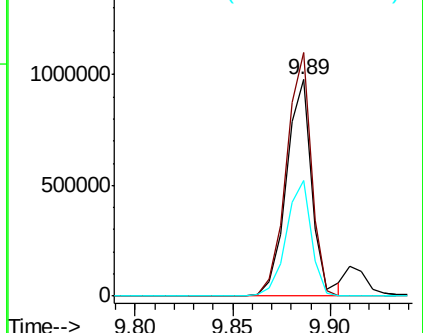


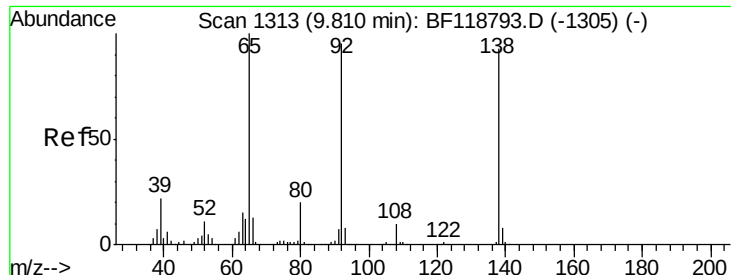
#52
 Acenaphthene
 Concen: 40.594 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.4	134.0
152	53.4	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

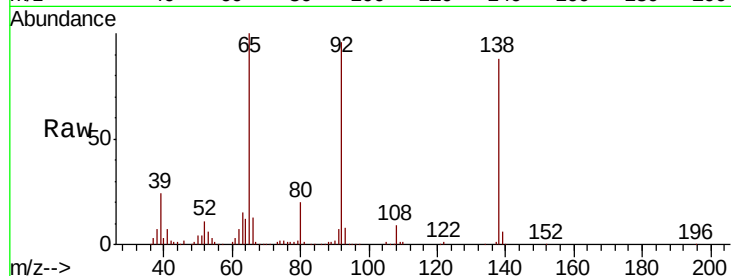




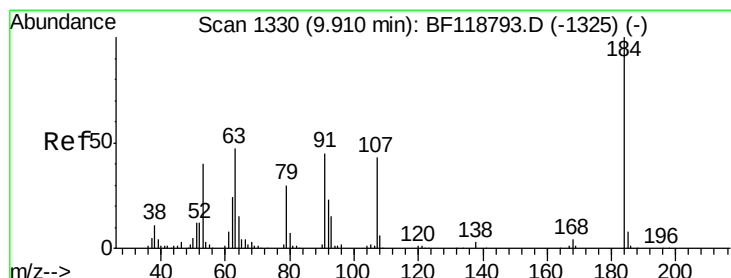
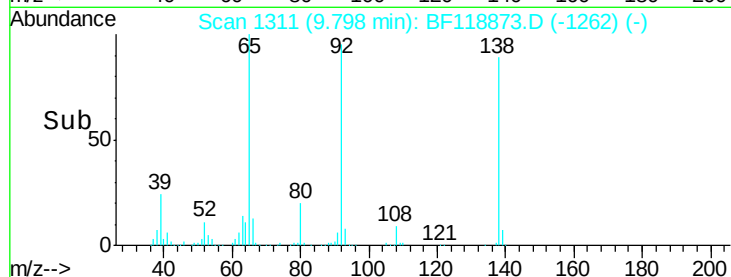
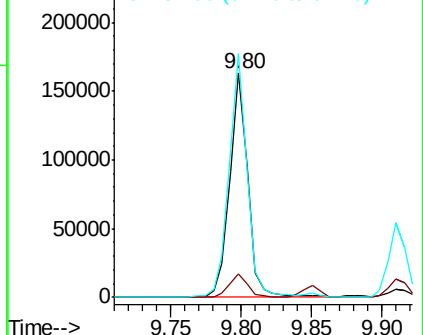
#53
3-Nitroaniline
Concen: 21.172 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:138 Resp: 146238
Ion Ratio Lower Upper
138 100
108 10.7 8.5 12.7
92 108.6 82.2 123.4

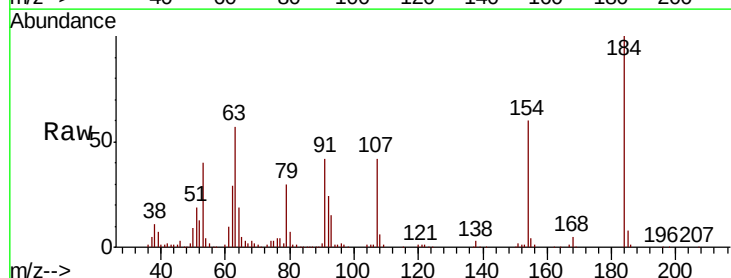


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

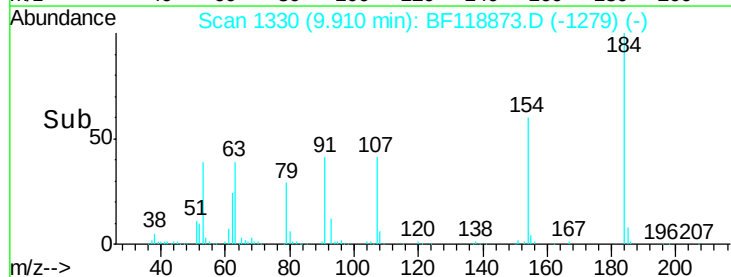
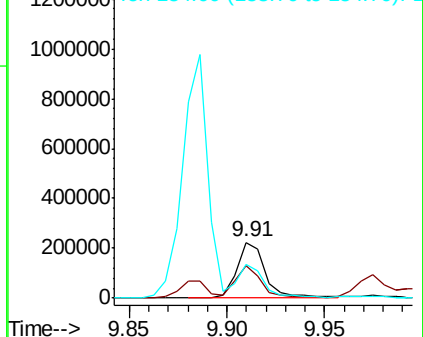


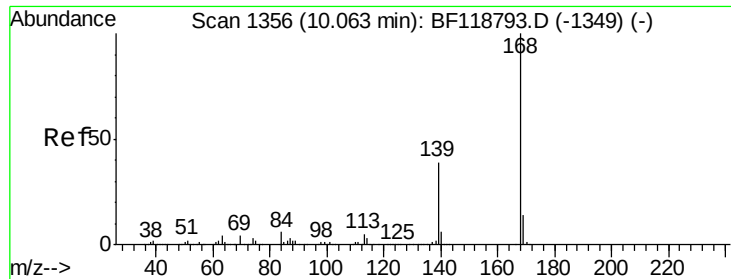
#54
2,4-Dinitrophenol
Concen: 75.713 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:184 Resp: 226685
Ion Ratio Lower Upper
184 100
63 57.4 47.5 71.3
154 60.0 48.6 72.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 41.755 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

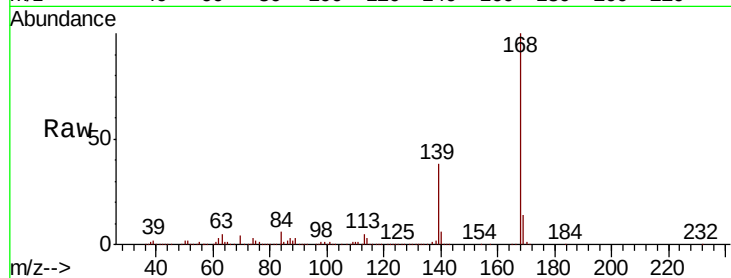
Tot Ion:168 Resp: 1319833

Ion Ratio Lower Upper

168 100

139 38.2 31.6 47.4

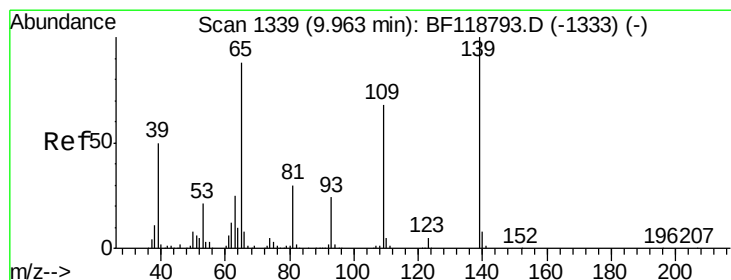
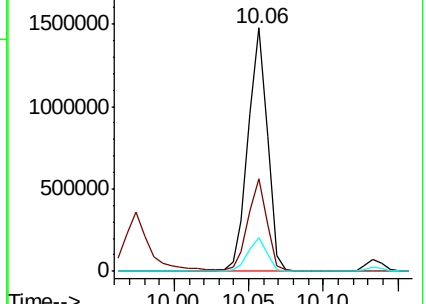
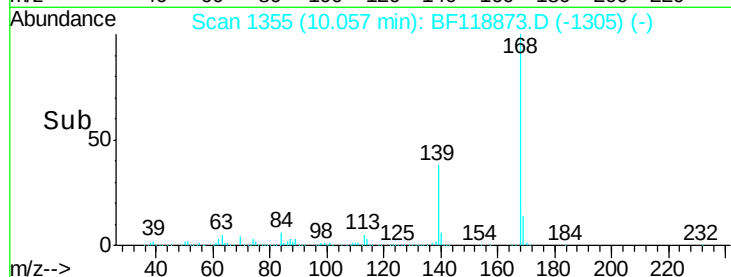
169 13.7 11.4 17.2



Abundance Ion 168.00 (167.70 to 168.70): E

2000000 Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 80.145 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

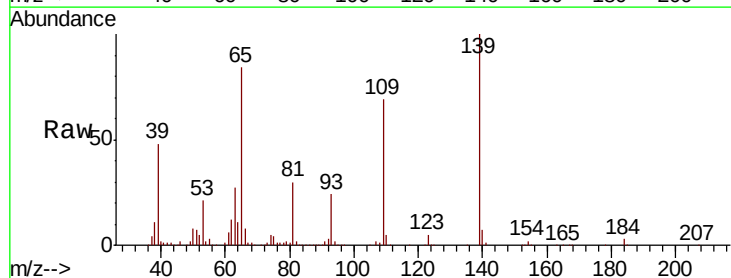
Tgt Ion:139 Resp: 400637

Ion Ratio Lower Upper

139 100

109 69.0 48.0 88.0

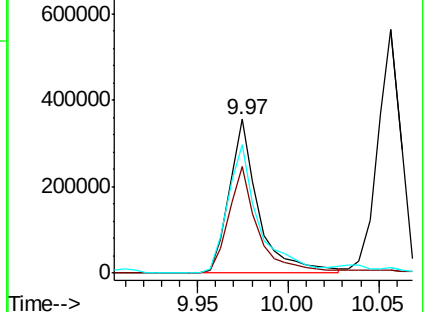
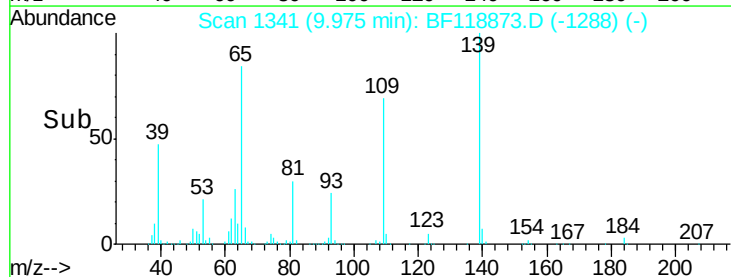
65 83.7 68.3 108.3

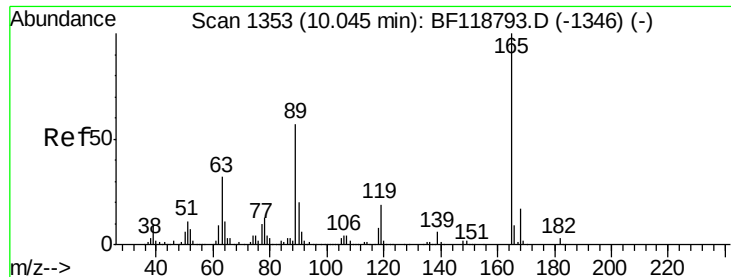


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 42.648 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

Tot Ion:165 Resp: 351504

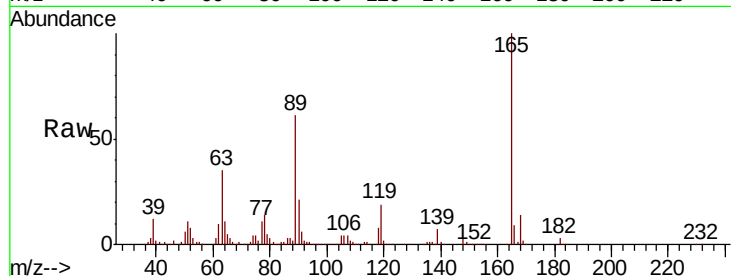
Ion Ratio Lower Upper

165 100

63 35.0 25.5 38.3

89 61.0 45.4 68.0

182 3.1 2.4 3.6

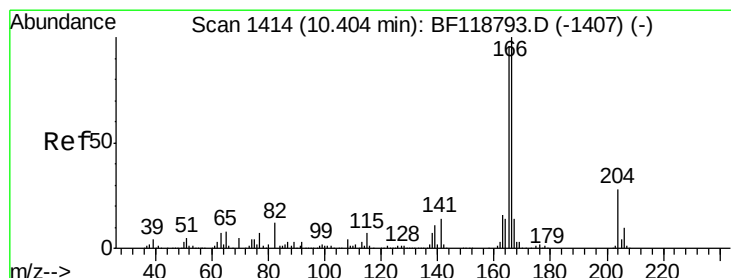
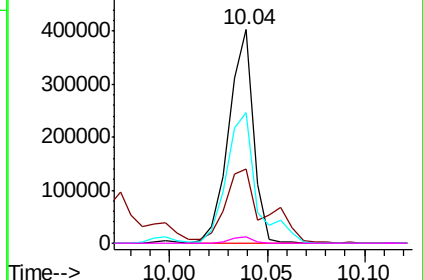
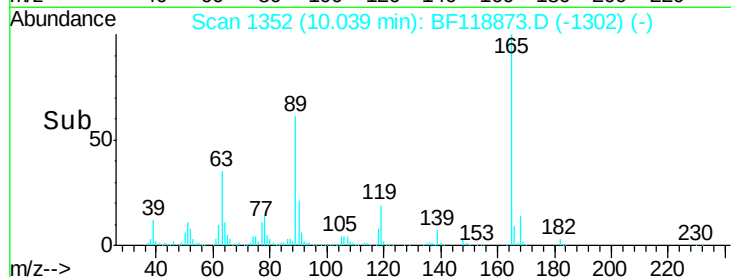


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 42.691 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

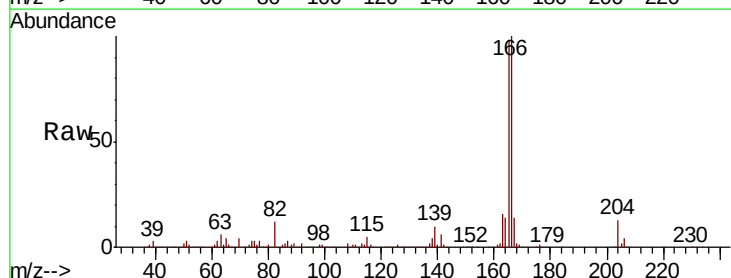
Tgt Ion:166 Resp: 1015194

Ion Ratio Lower Upper

166 100

165 97.6 77.0 115.6

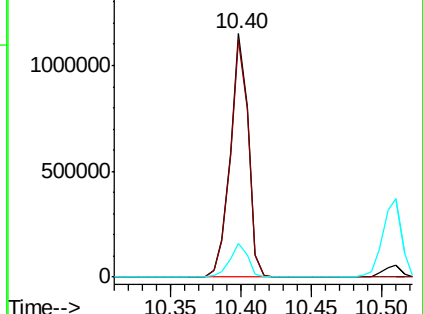
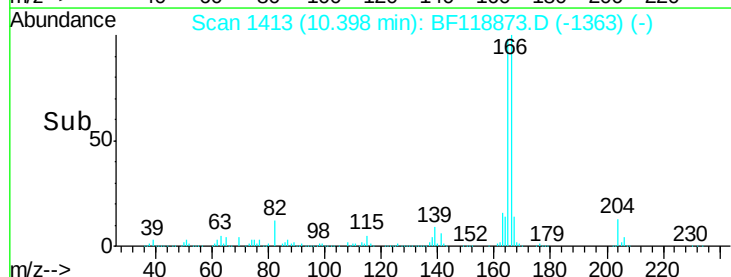
167 13.7 11.1 16.7

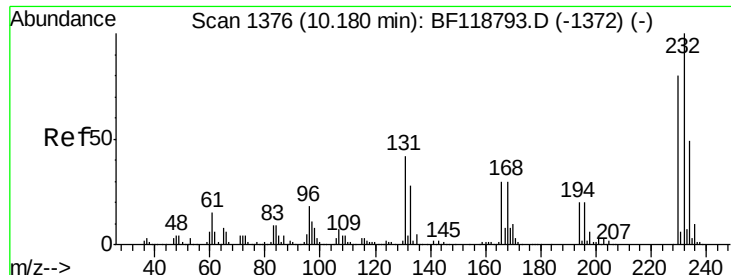


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

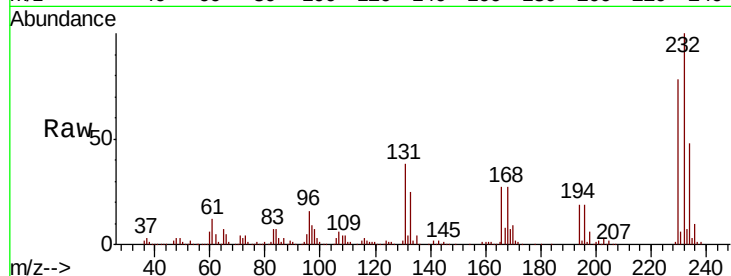




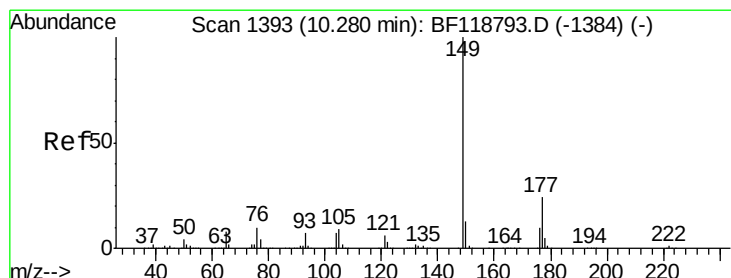
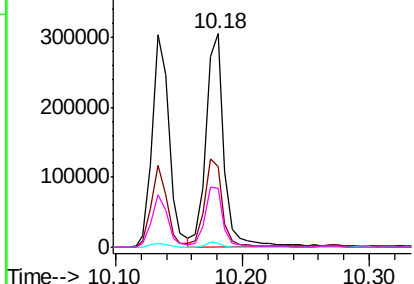
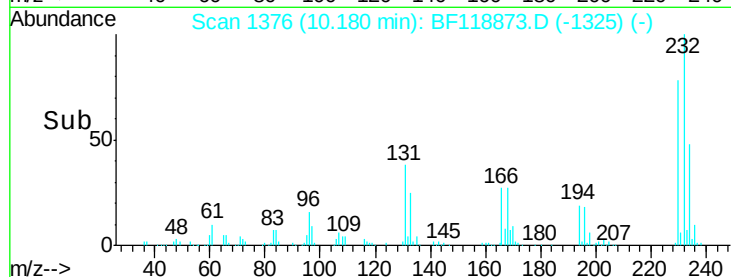
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.964 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:232 Resp: 302099
Ion Ratio Lower Upper
232 100
131 40.6 31.8 47.6
130 2.1 1.6 2.4
166 28.1 23.1 34.7

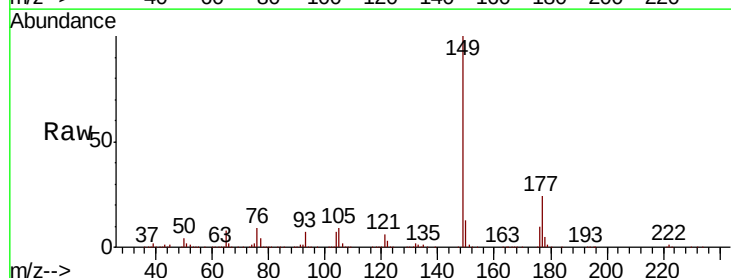


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

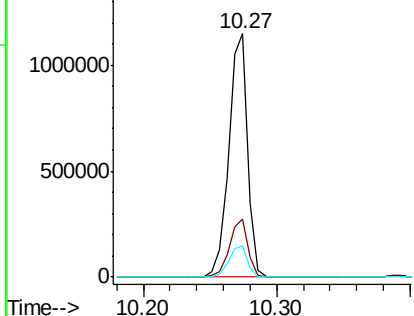
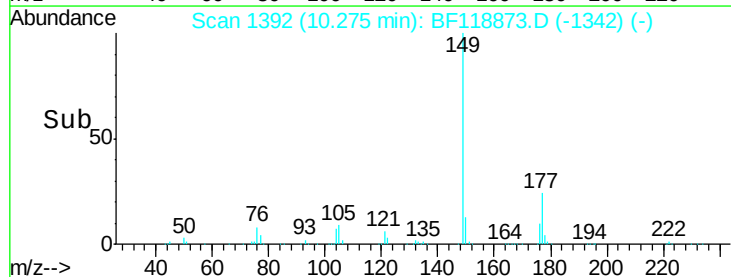


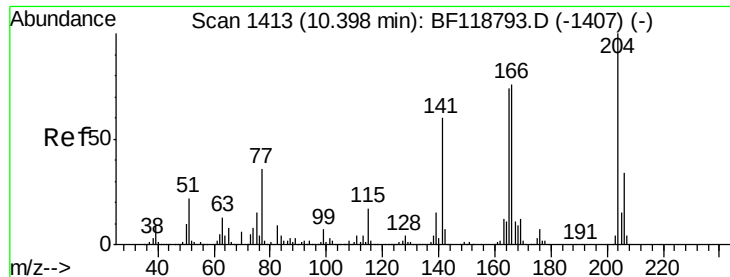
#60
Diethylphthalate
Concen: 42.934 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:149 Resp: 1136345
Ion Ratio Lower Upper
149 100
177 23.7 19.3 28.9
150 12.6 10.4 15.6



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

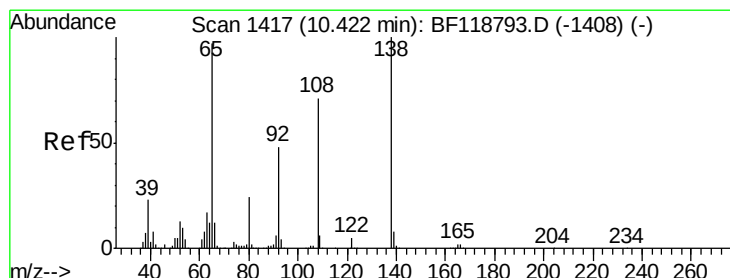
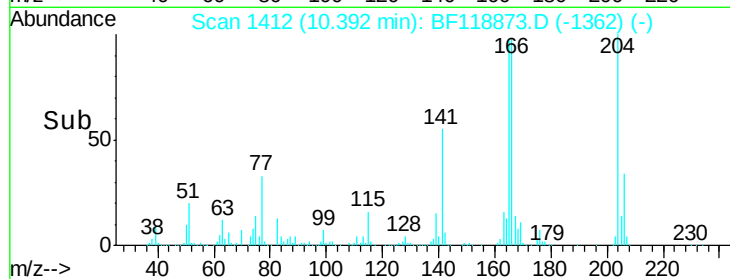
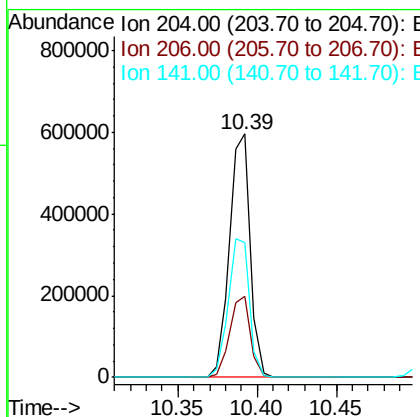
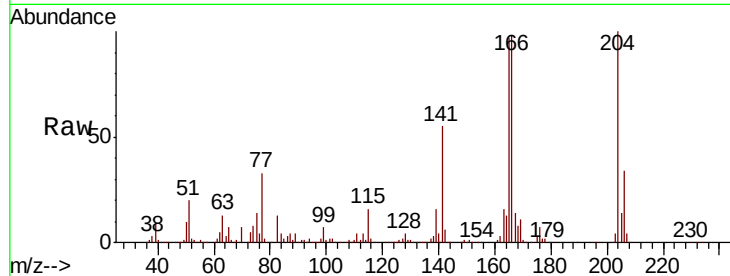




#61
4-Chlorophenyl-phenylether
Concen: 41.953 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

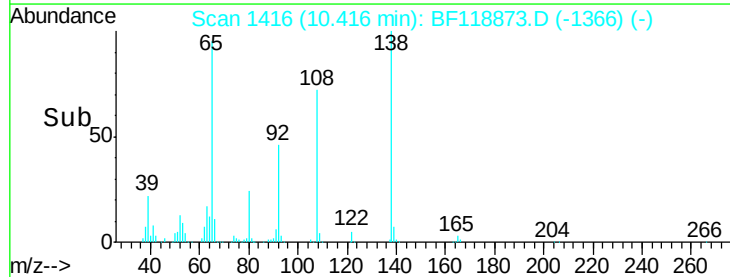
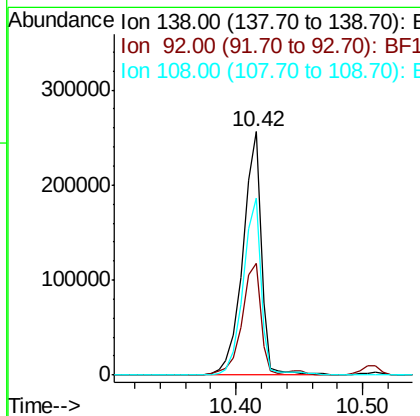
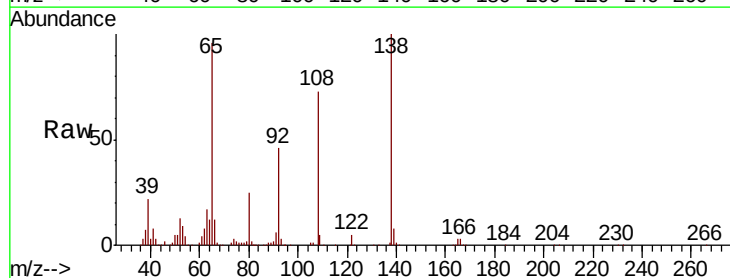
Instrument :
BNA_F
ClientSampleId :
TP-4MS

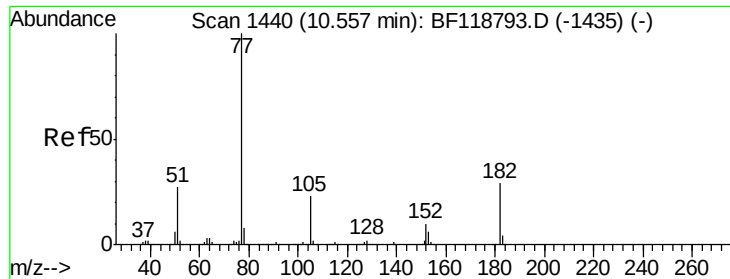
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.5	27.4	41.2
141	55.3	47.8	71.6



#62
4-Nitroaniline
Concen: 37.403 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.1	27.6	67.6
108	72.8	51.3	91.3





#63

Azobenzene

Concen: 43.550 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

Tot Ion: 77 Resp: 984047

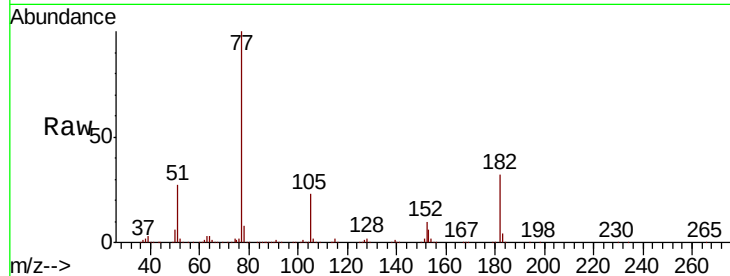
Ion Ratio Lower Upper

77 100

182 31.6 9.2 49.2

105 23.1 3.1 43.1

51 27.4 7.4 47.4

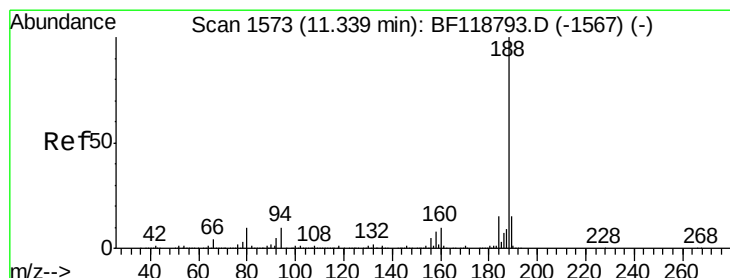
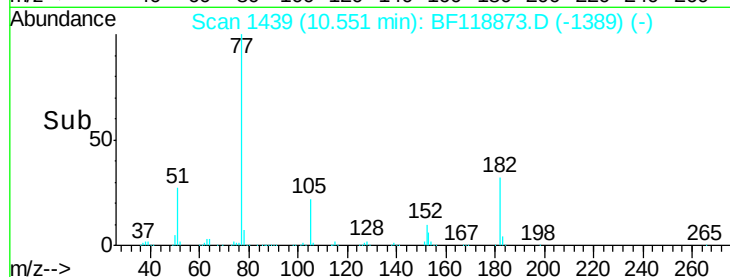
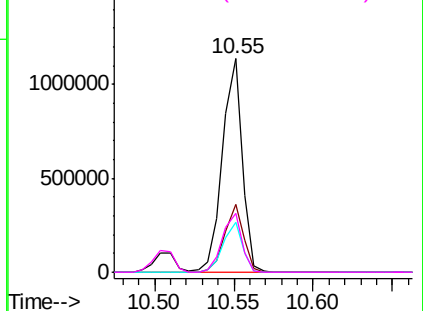


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

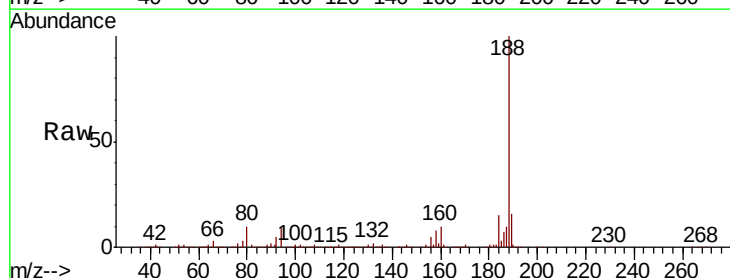
Tgt Ion: 188 Resp: 797064

Ion Ratio Lower Upper

188 100

94 8.8 7.9 11.9

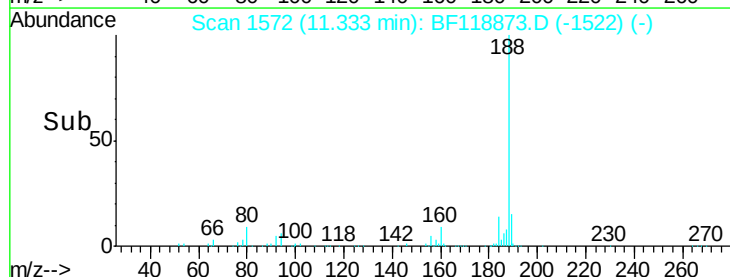
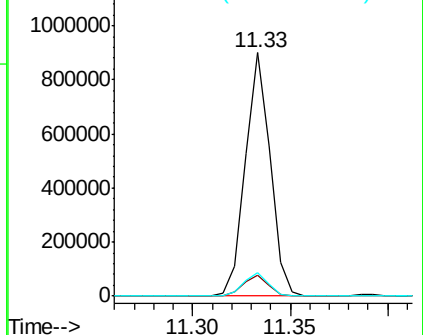
80 9.8 8.4 12.6

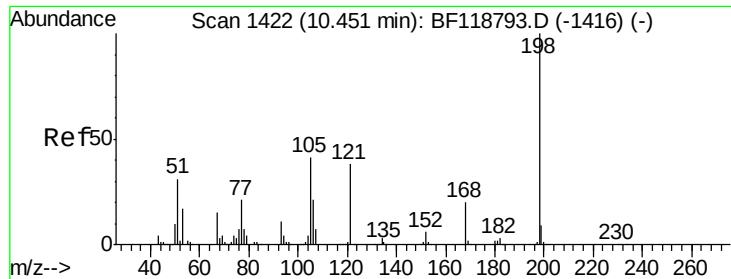


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

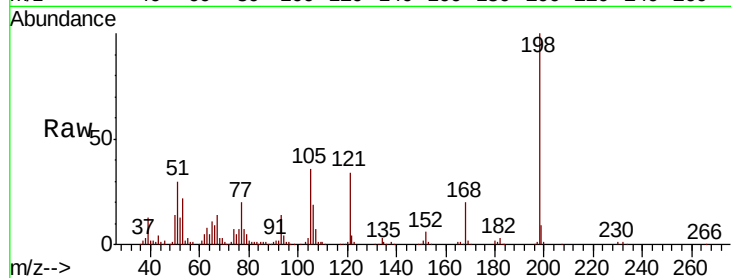




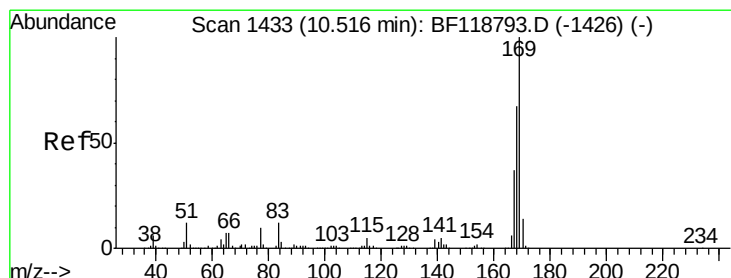
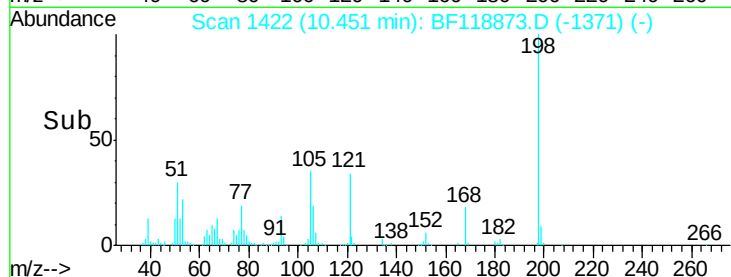
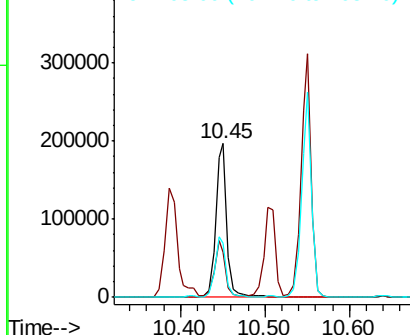
#65
4,6-Dinitro-2-methylphenol
Concen: 42.173 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:198 Resp: 188886
Ion Ratio Lower Upper
198 100
51 29.6 16.7 56.7
105 35.5 22.0 62.0

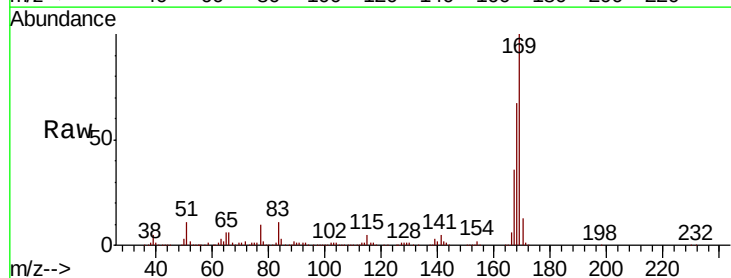


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

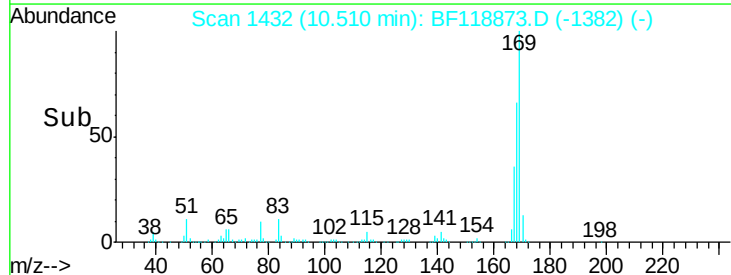
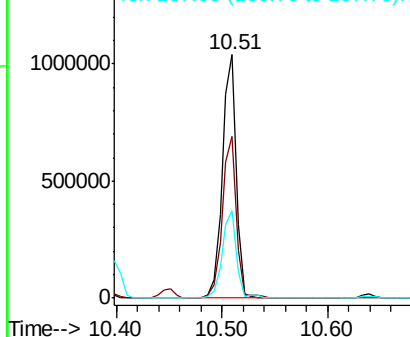


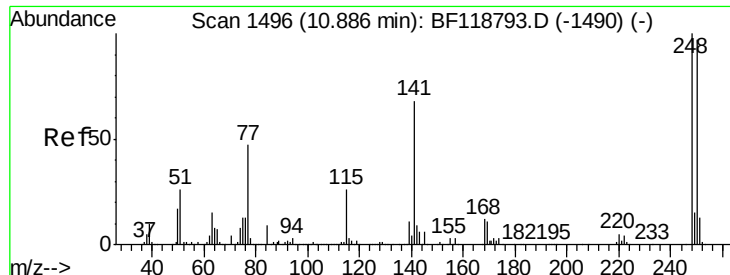
#66
n-Nitrosodiphenylamine
Concen: 41.349 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:169 Resp: 954652
Ion Ratio Lower Upper
169 100
168 66.6 53.5 80.3
167 35.7 29.3 43.9



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

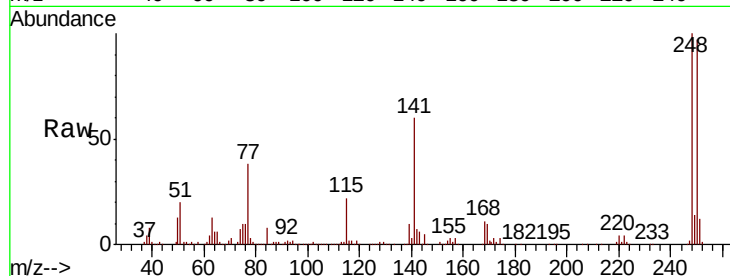




#67
 4-Bromophenyl-phenylether
 Concen: 39.404 ng
 RT: 10.88 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.6	116.4
141	59.6	54.4	81.6

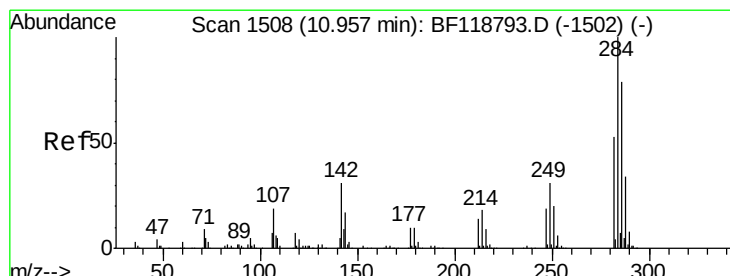
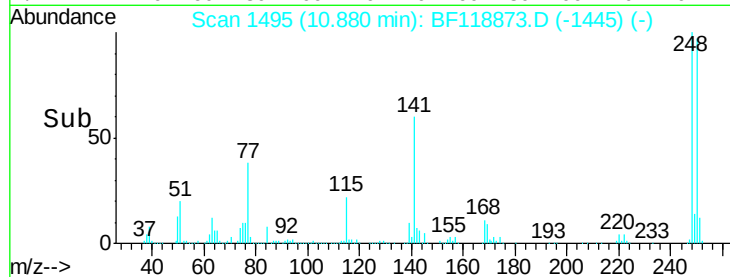
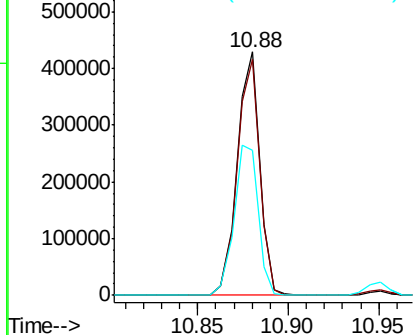


Abundance

Ion 248.00 (247.70 to 248.70): E

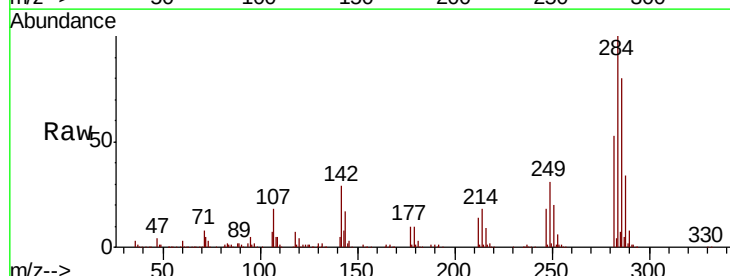
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 38.464 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.8	24.5	36.7
249	30.9	24.7	37.1

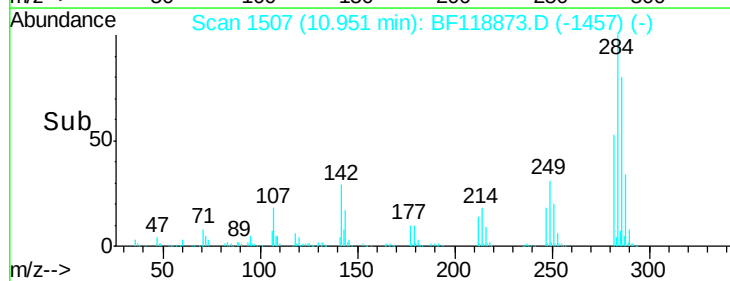
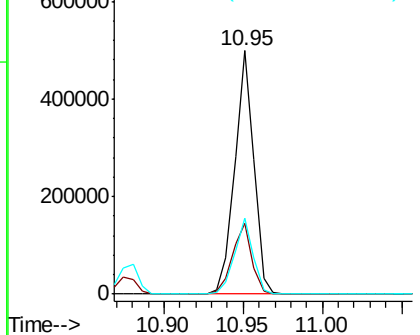


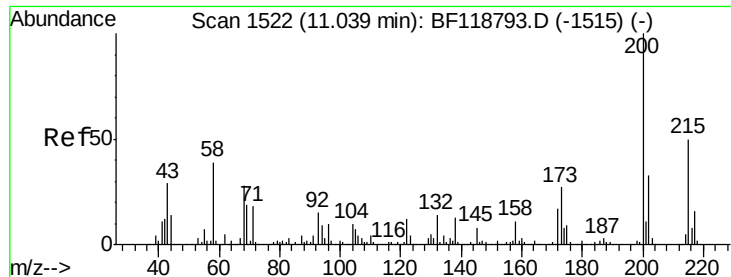
Abundance

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

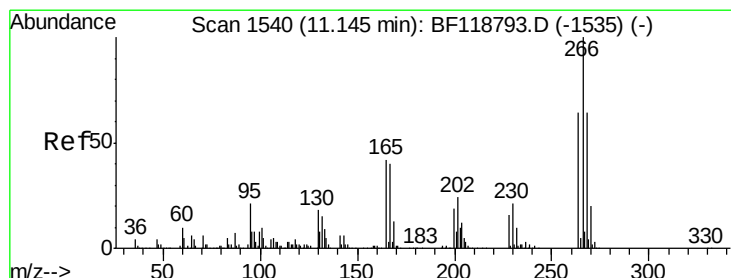
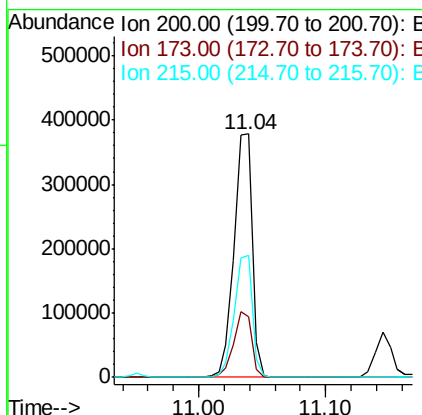
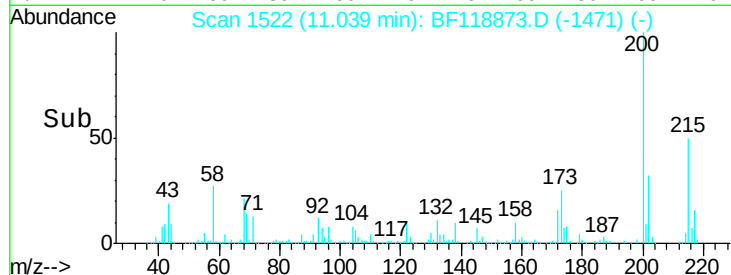
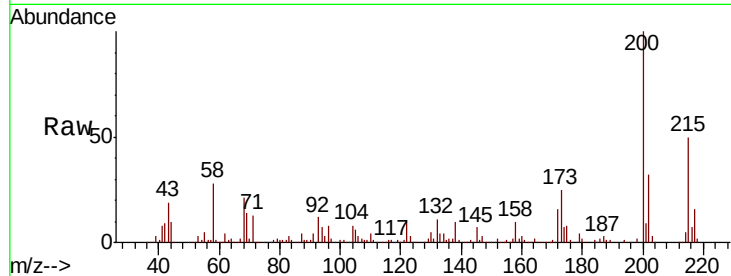




#69
 Atrazine
 Concen: 48.637 ng
 RT: 11.04 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

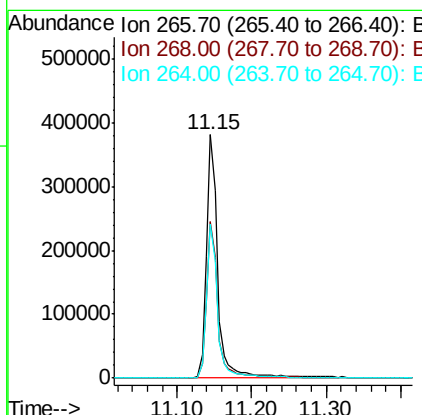
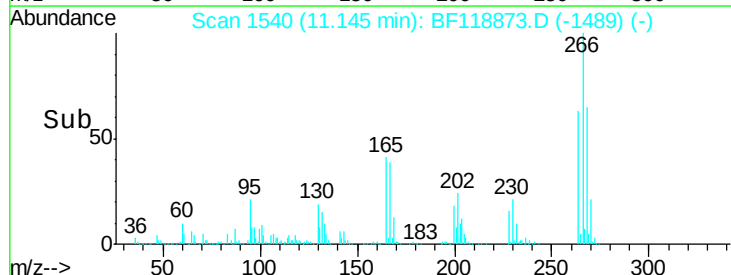
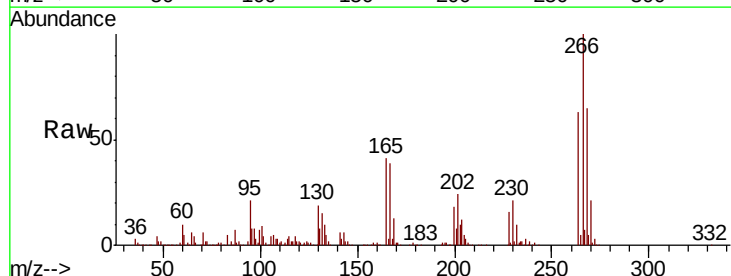
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

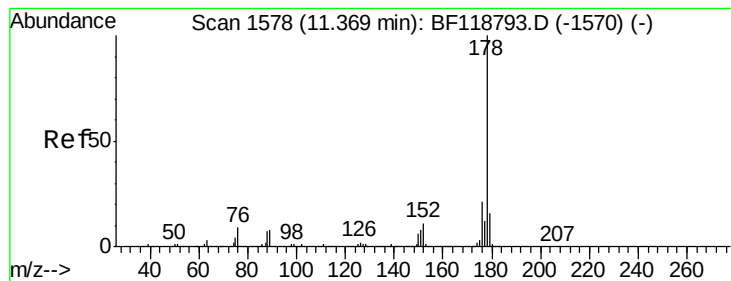
Tot Ion:200 Resp: 374108
 Ion Ratio Lower Upper
 200 100
 173 25.1 7.5 47.5
 215 50.2 29.9 69.9



#70
 Pentachlorophenol
 Concen: 71.706 ng
 RT: 11.15 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:266 Resp: 409474
 Ion Ratio Lower Upper
 266 100
 268 64.6 51.0 76.6
 264 63.2 51.4 77.2





#71

Phenanthrene

Concen: 41.905 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

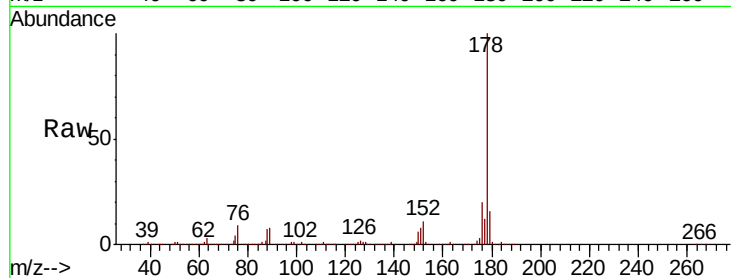
Tot Ion:178 Resp: 1643383

Ion Ratio Lower Upper

178 100

176 19.9 16.6 24.8

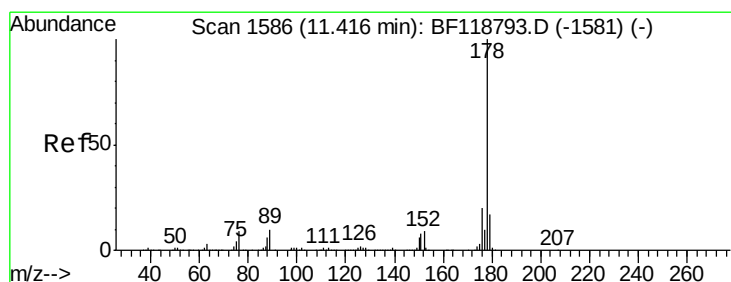
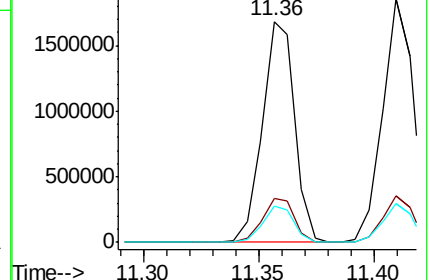
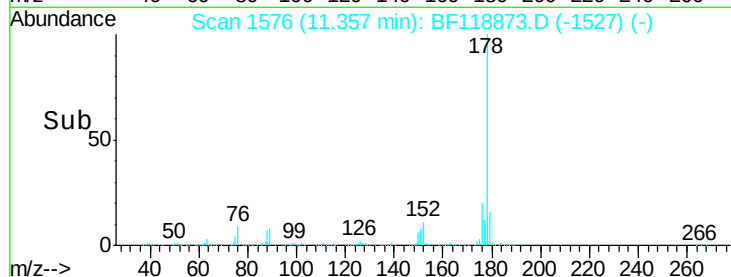
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.659 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

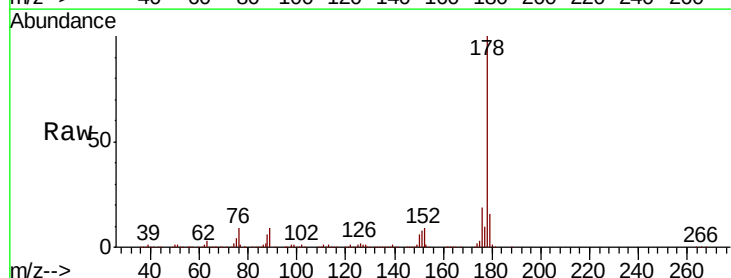
Tgt Ion:178 Resp: 1703302

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.2

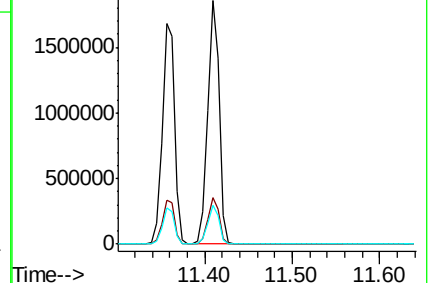
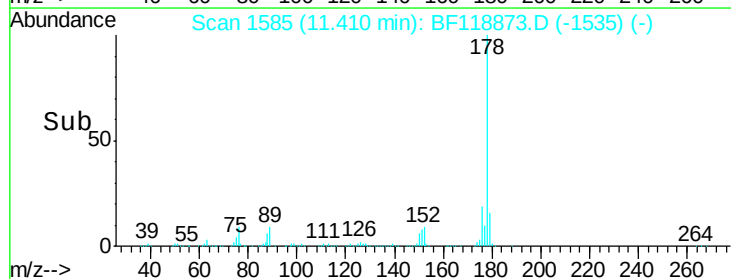
179 16.2 13.4 20.2

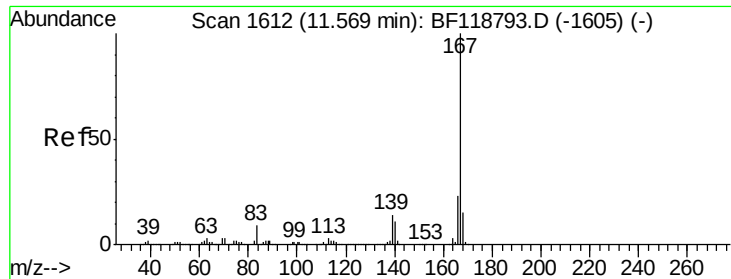


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

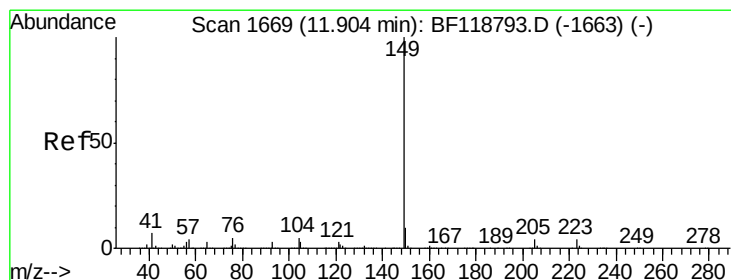
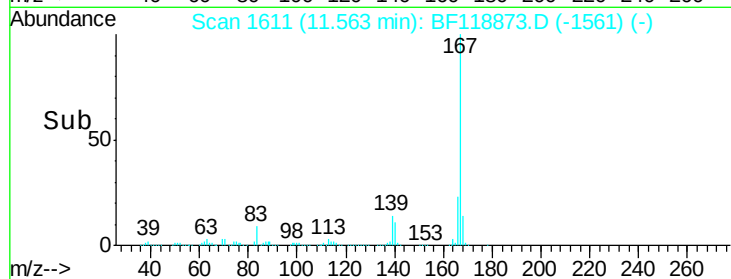
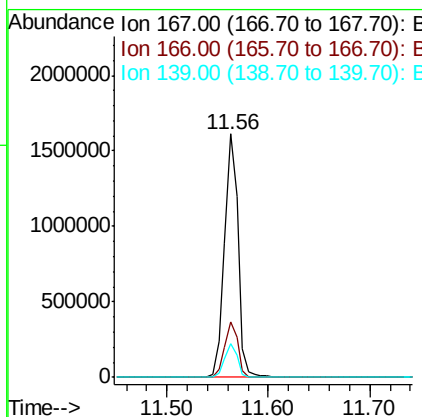
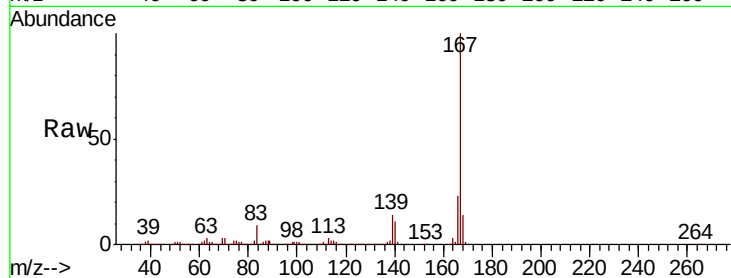




#73
 Carbazole
 Concen: 43.825 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

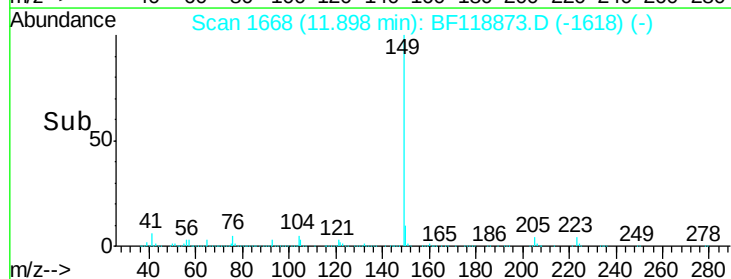
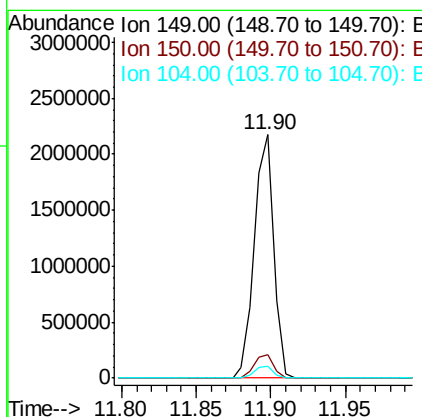
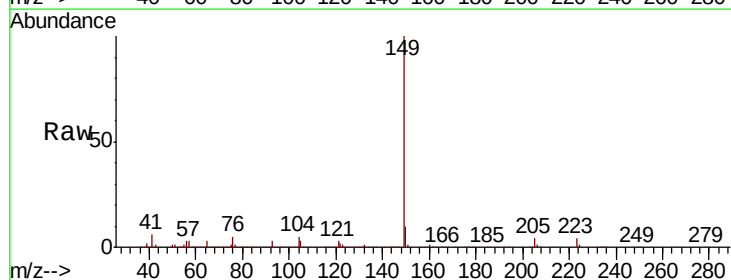
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

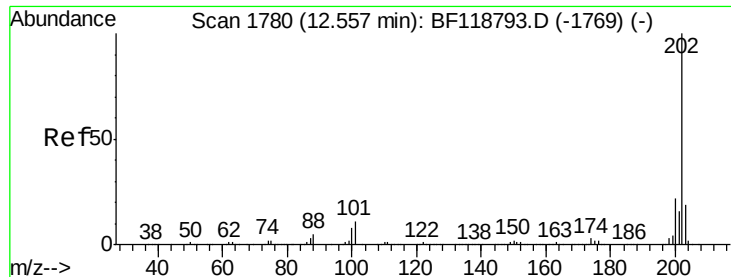
Tot Ion:167 Resp: 1500508
 Ion Ratio Lower Upper
 167 100
 166 22.9 18.4 27.6
 139 13.6 11.1 16.7



#74
 Di-n-butylphthalate
 Concen: 44.358 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:149 Resp: 1934705
 Ion Ratio Lower Upper
 149 100
 150 9.7 8.1 12.1
 104 5.0 4.3 6.5

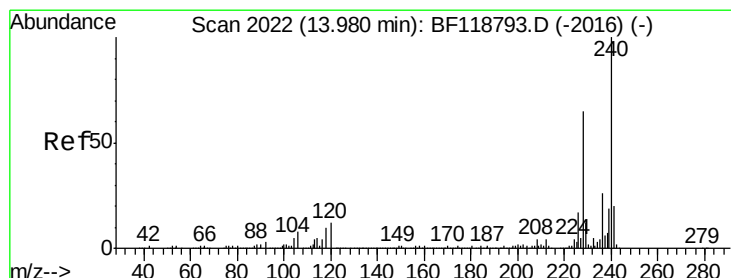
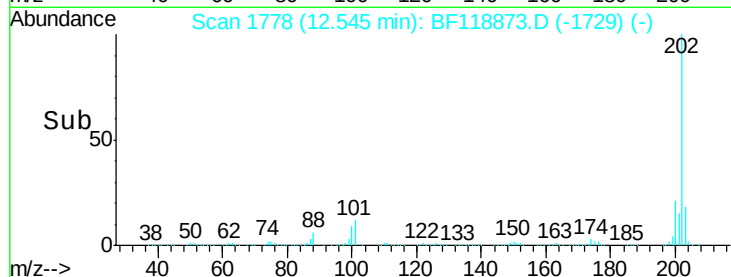
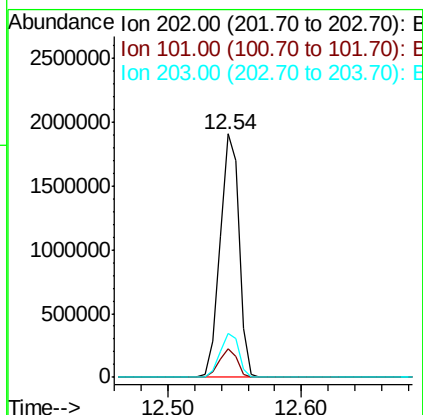
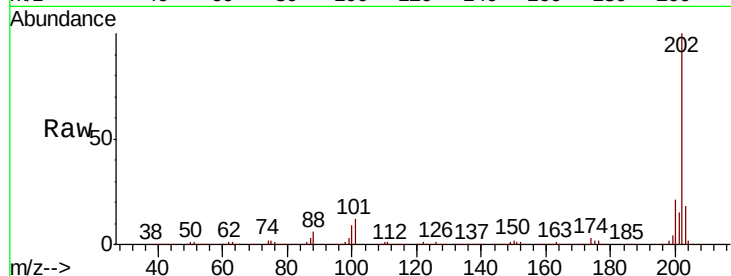




#75
 Fluoranthene
 Concen: 44.983 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

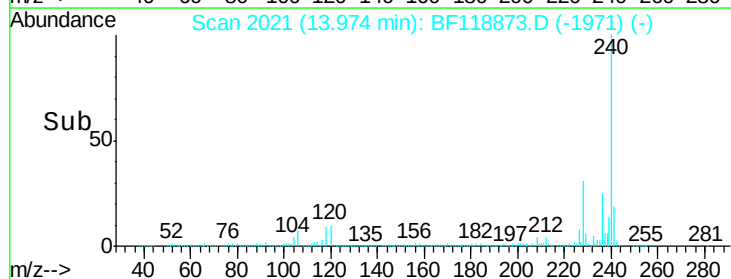
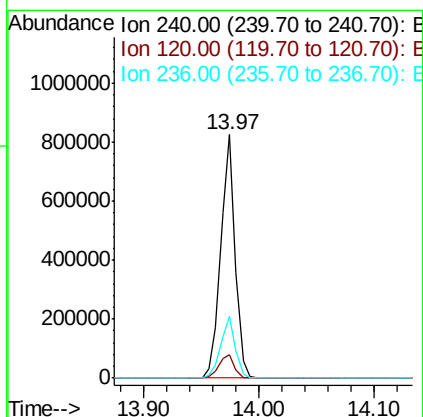
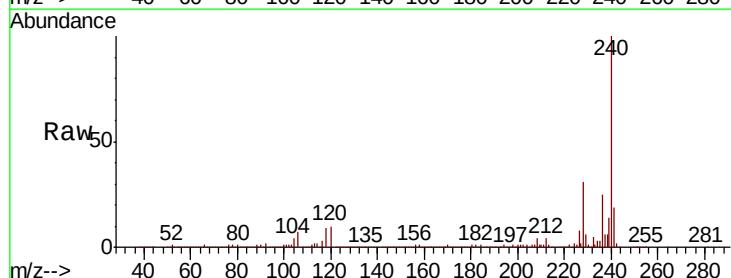
Instrument :
 BNA_F
 ClientSampleId :
 TP-4MS

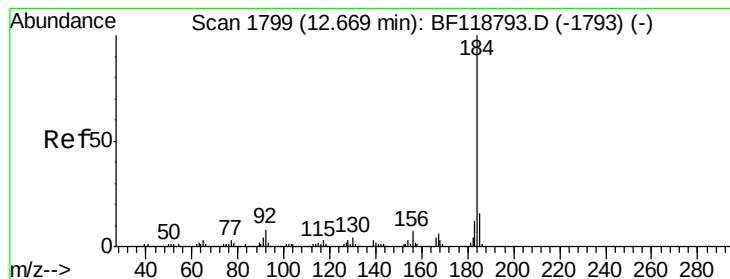
Tot Ion:202 Resp: 1926060
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.0
 203 18.3 0.0 38.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF118873.D
 Acq: 10 Feb 2020 17:18

Tgt Ion:240 Resp: 713779
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.4 14.0
 236 25.3 21.0 31.6





#77

Benzidine

Concen: 39.226 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

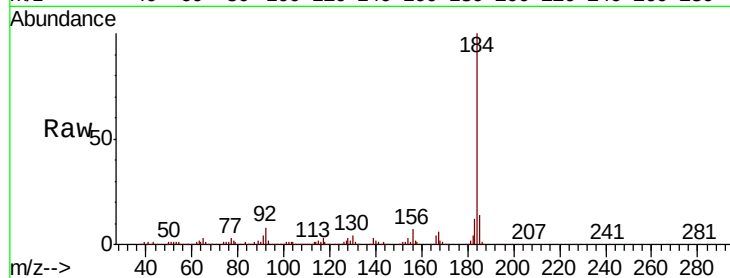
Tot Ion:184 Resp: 846833

Ion Ratio Lower Upper

184 100

185 14.4 12.5 18.7

183 12.4 9.7 14.5

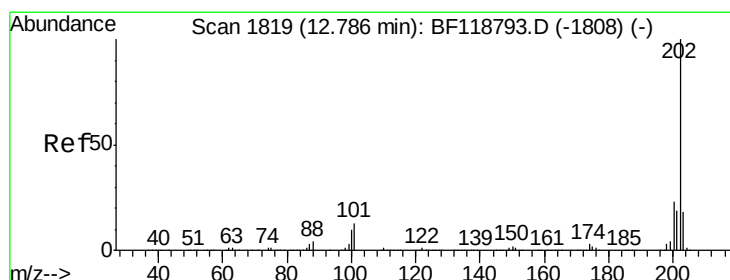
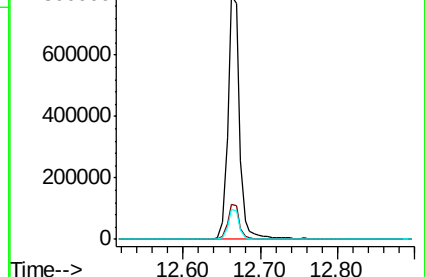
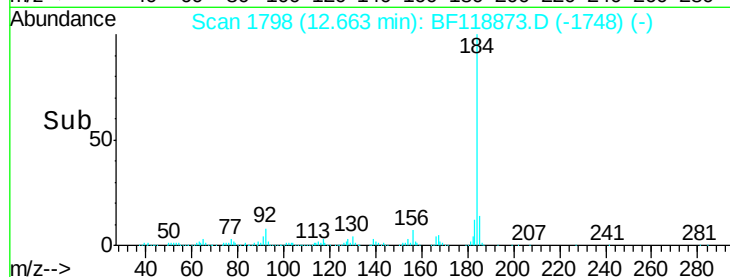


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.66



#78

Pyrene

Concen: 39.241 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

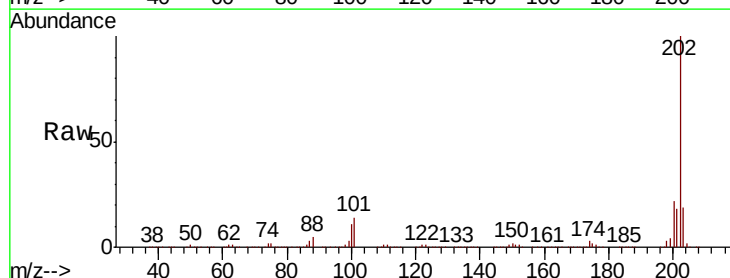
Tgt Ion:202 Resp: 1921516

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

203 18.5 14.8 22.2

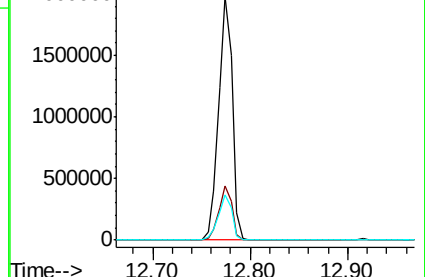
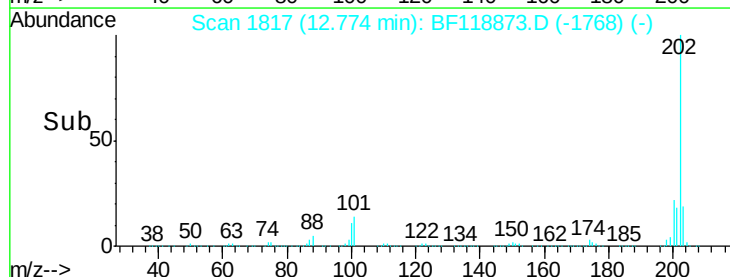


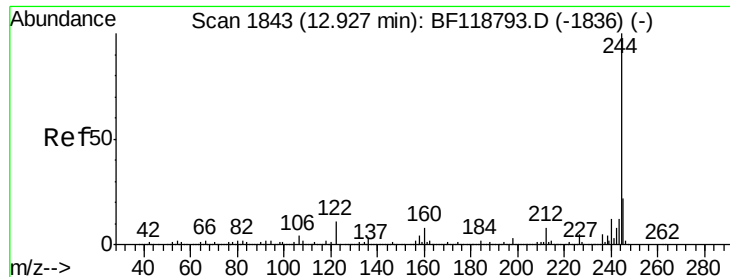
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.77





#79

Terphenyl-d14

Concen: 73.318 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

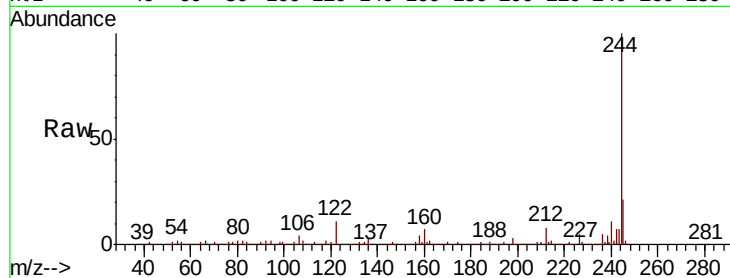
Tot Ion:244 Resp: 2547809

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

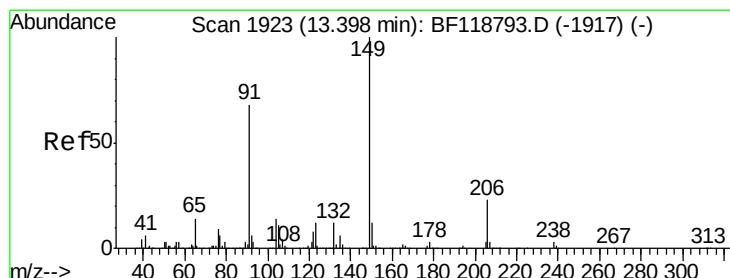
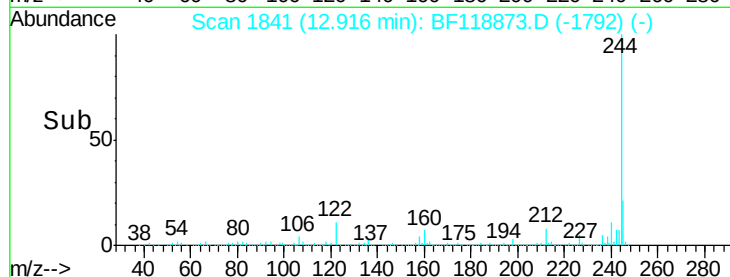
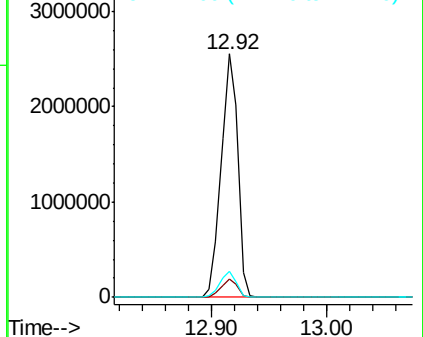
122 10.9 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 41.613 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

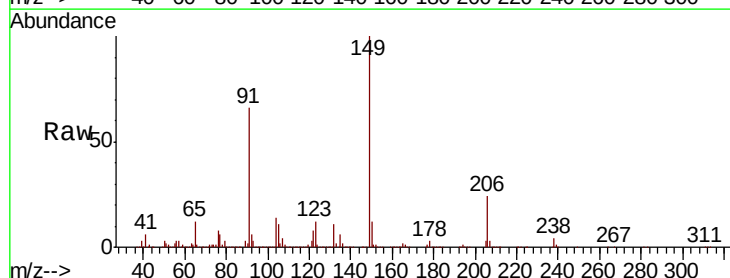
Tgt Ion:149 Resp: 930061

Ion Ratio Lower Upper

149 100

91 66.0 54.7 82.1

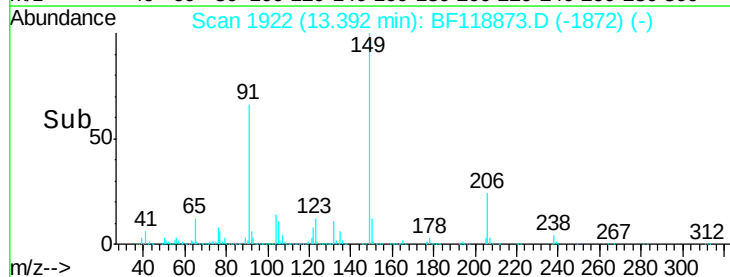
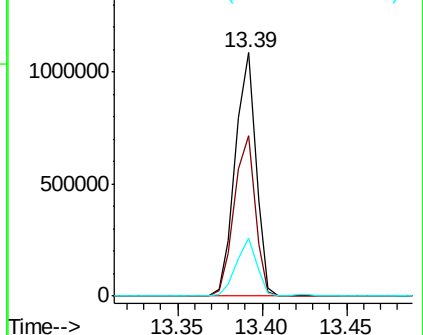
206 23.6 18.5 27.7

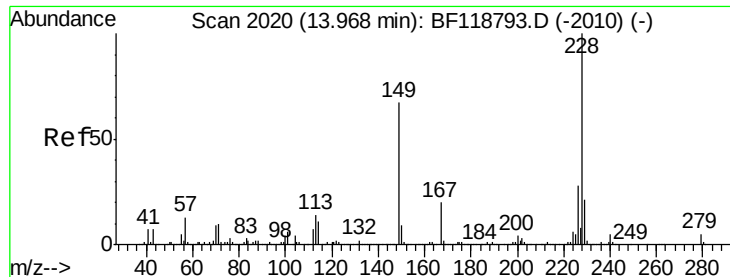


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 39.291 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

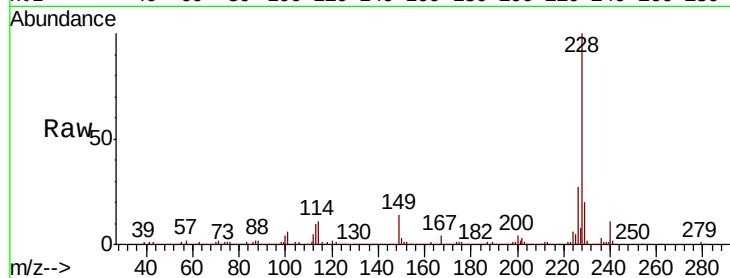
Tot Ion:228 Resp: 1668856

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

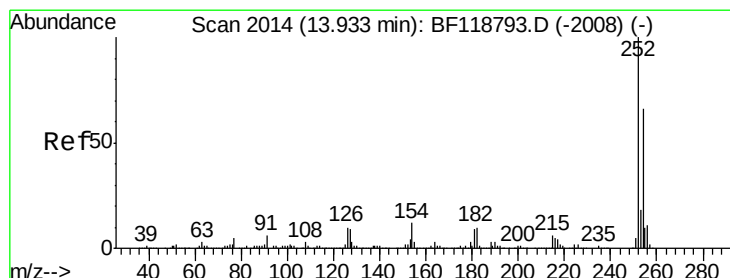
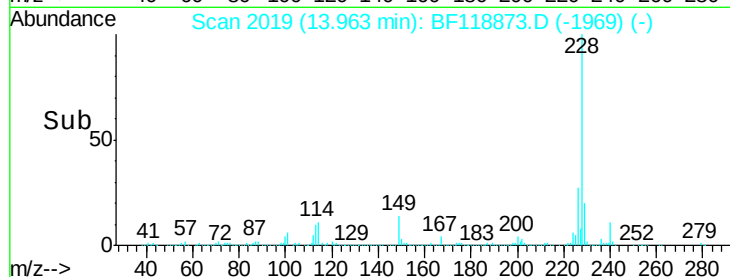
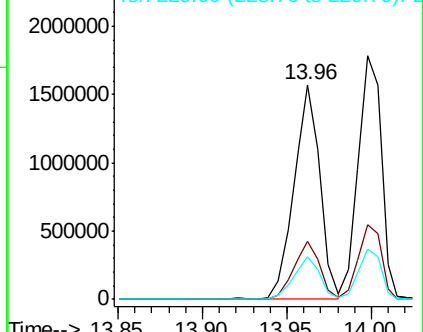
229 20.1 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 31.056 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

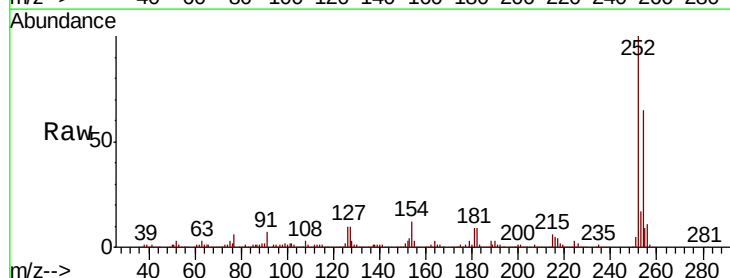
Tgt Ion:252 Resp: 539509

Ion Ratio Lower Upper

252 100

254 65.4 52.4 78.6

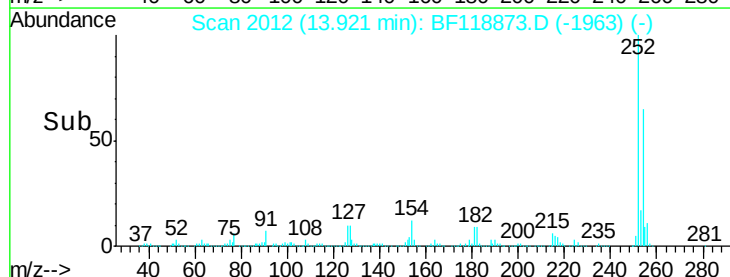
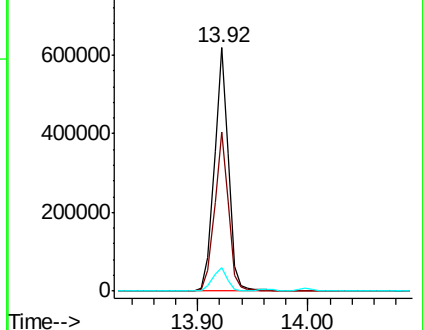
126 9.7 7.8 11.8

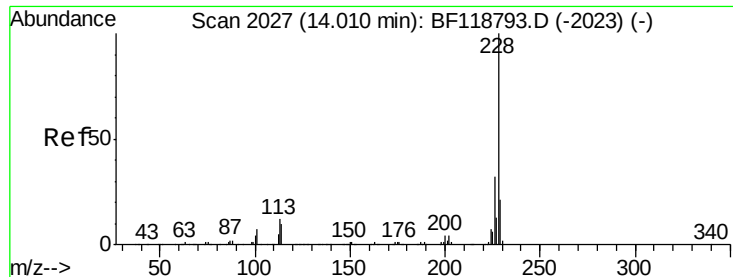


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

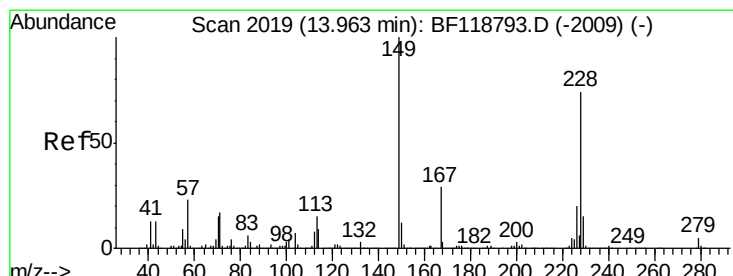
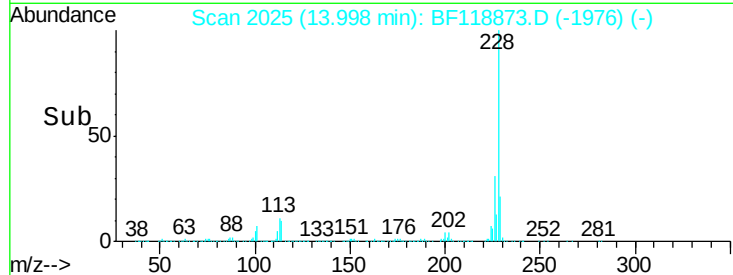
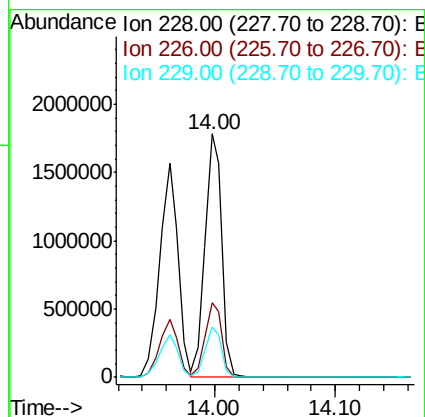
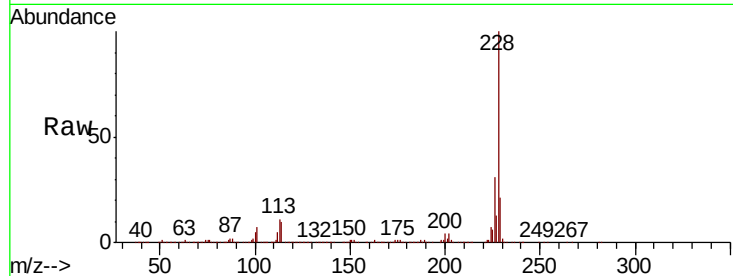




#83
Chrysene
Concen: 40.004 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

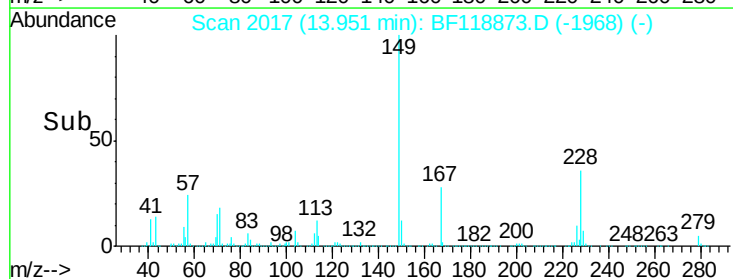
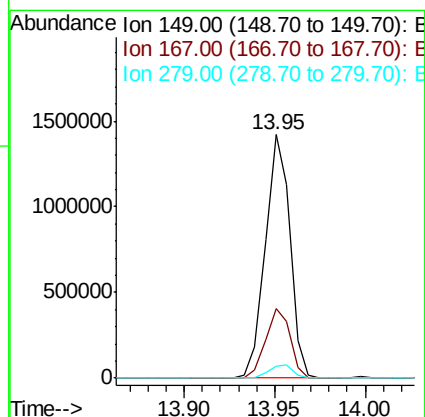
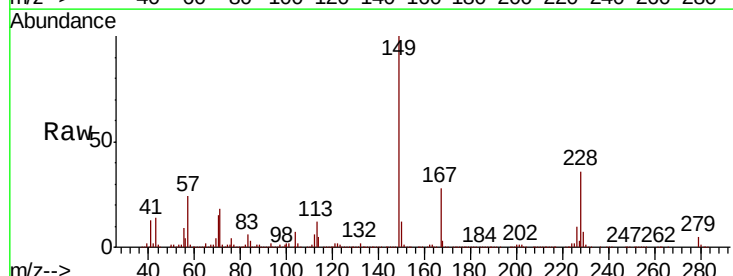
Instrument :
BNA_F
ClientSampleId :
TP-4MS

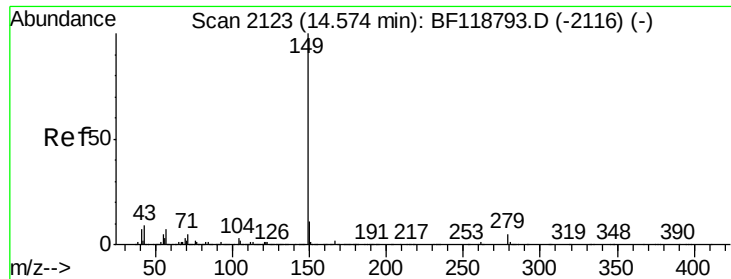
Tot Ion:228 Resp: 1705337
Ion Ratio Lower Upper
228 100
226 30.8 25.4 38.0
229 20.7 16.9 25.3



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.424 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:149 Resp: 1344734
Ion Ratio Lower Upper
149 100
167 28.5 23.0 34.6
279 4.9 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 45.821 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampleId :

TP-4MS

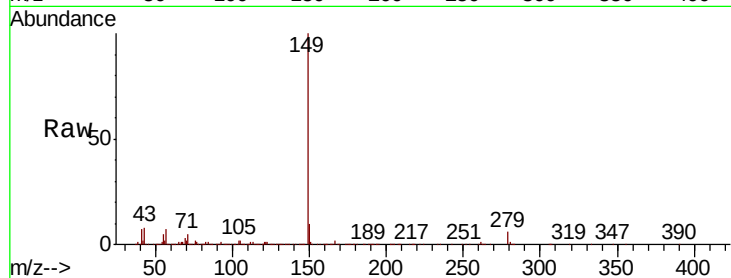
Tot Ion:149 Resp: 2225888

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

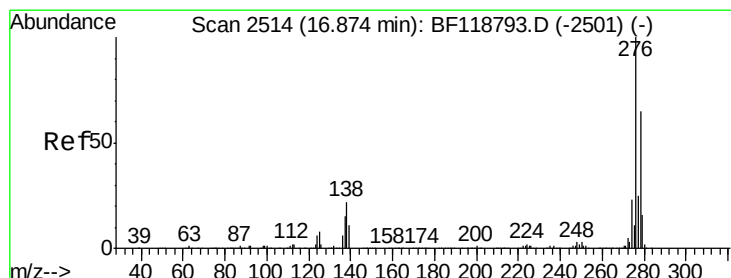
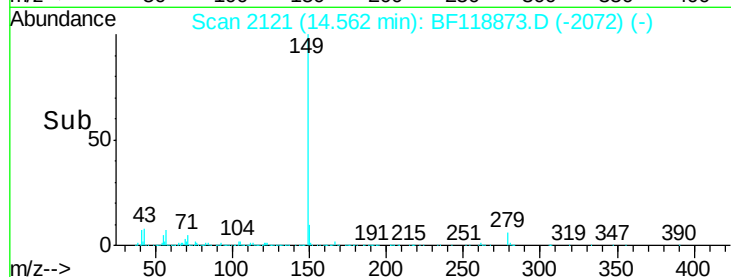
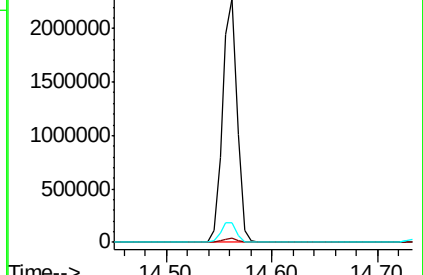
43 8.3 6.6 10.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.683 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

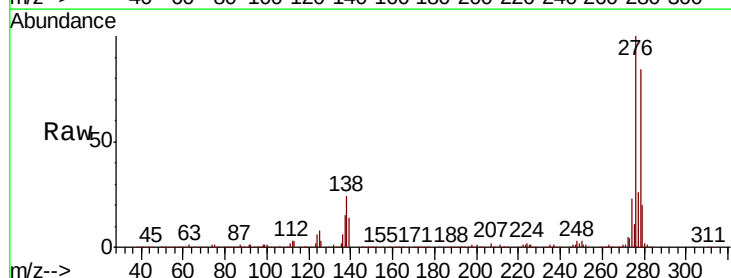
Tgt Ion:276 Resp: 1785296

Ion Ratio Lower Upper

276 100

138 23.0 18.3 27.5

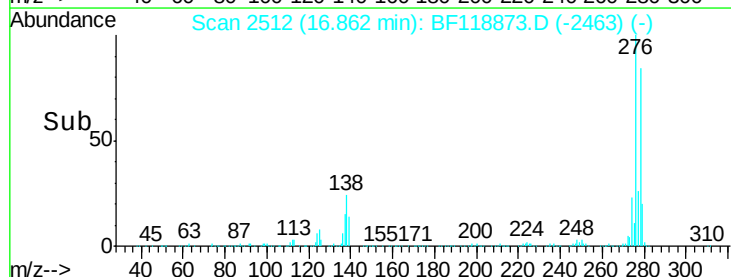
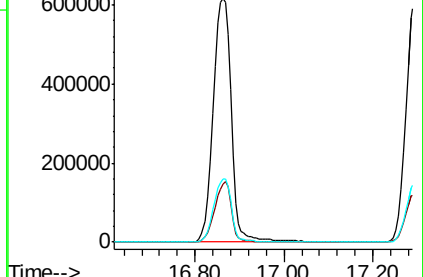
277 25.6 20.2 30.4

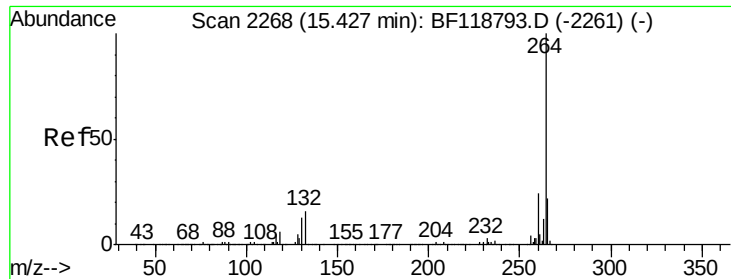


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

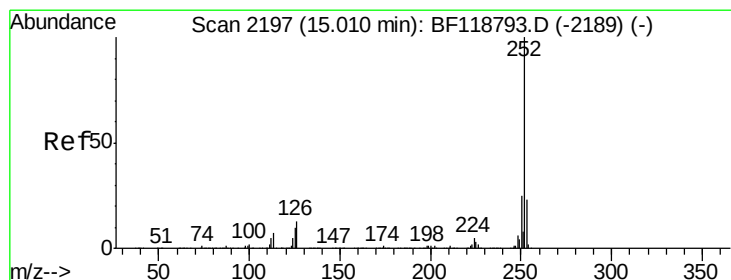
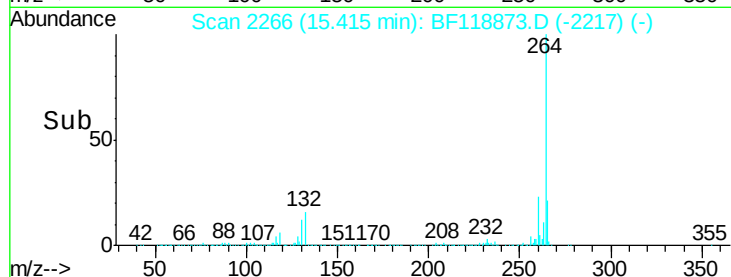
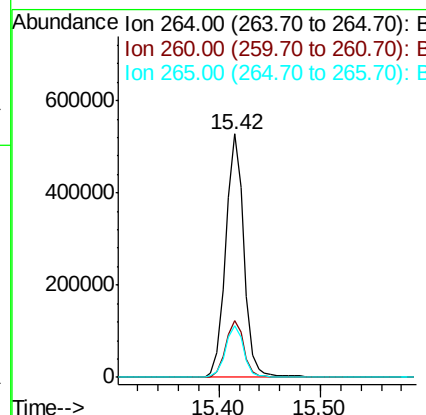
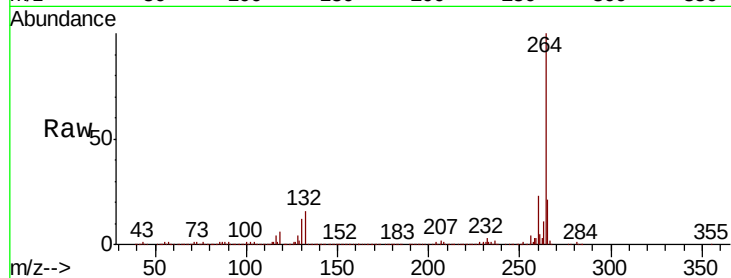




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

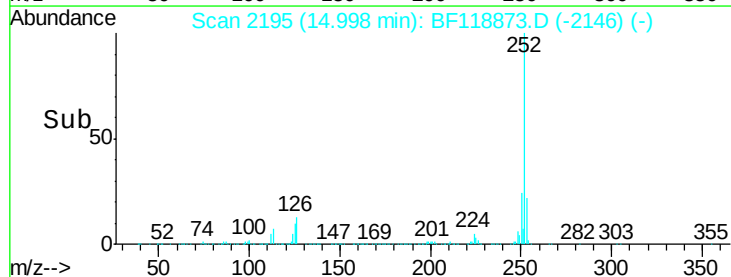
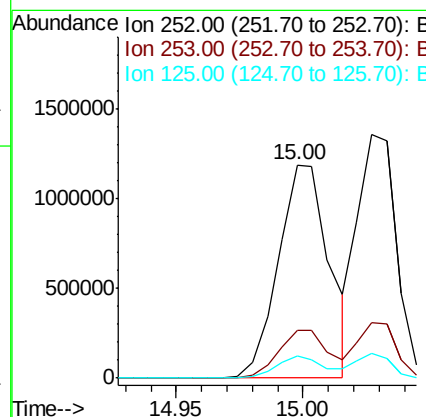
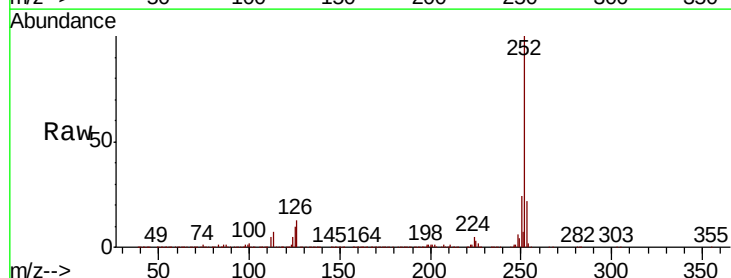
Instrument :
BNA_F
ClientSampleId :
TP-4MS

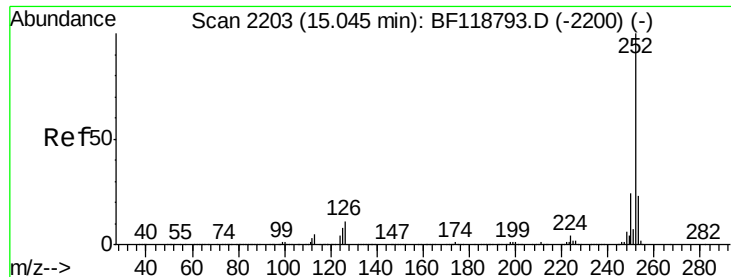
Tot Ion:264 Resp: 657901
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.2 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 40.747 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:252 Resp: 1663439
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 10.1 8.1 12.1

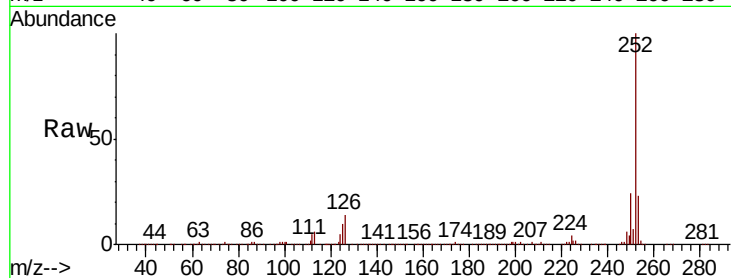




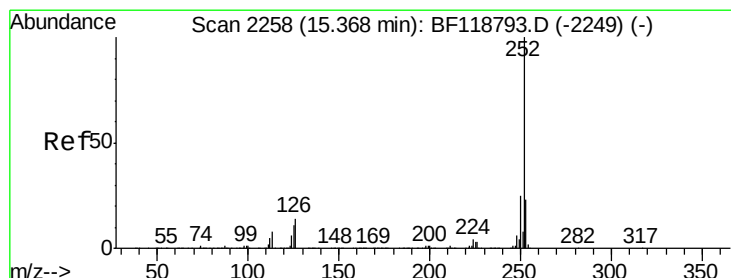
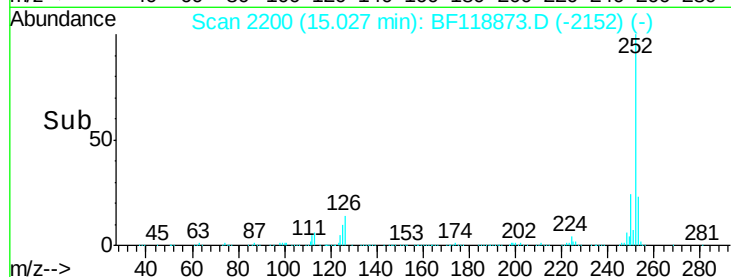
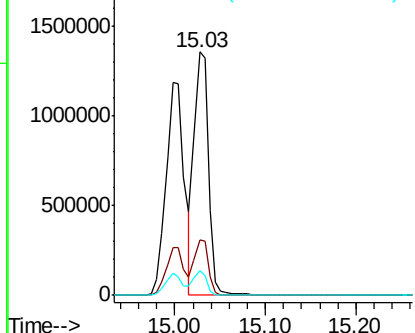
#89
Benzo(k)fluoranthene
Concen: 41.627 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Instrument :
BNA_F
ClientSampleId :
TP-4MS

Tot Ion:252 Resp: 1479838
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 9.9 7.0 10.6

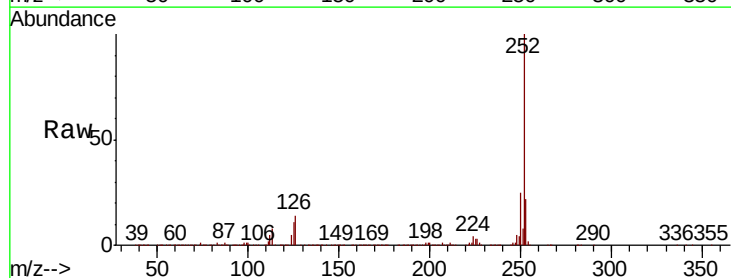


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

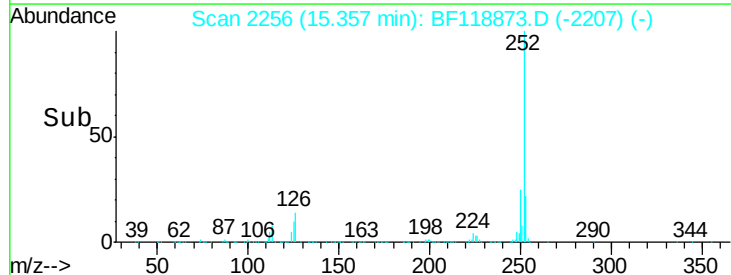
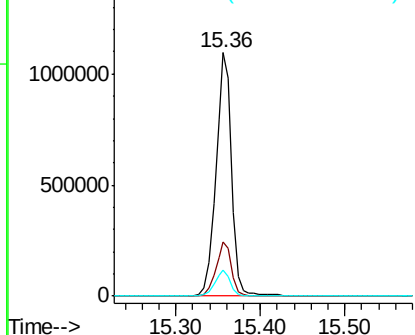


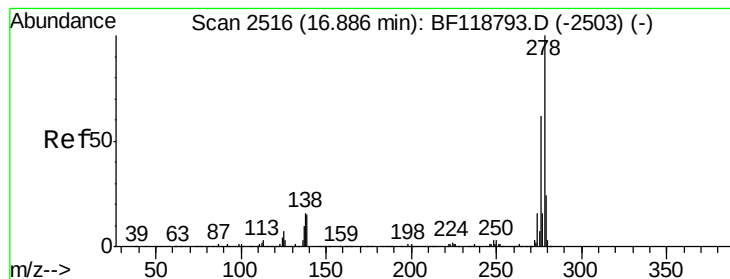
#90
Benzo(a)pyrene
Concen: 40.955 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118873.D
Acq: 10 Feb 2020 17:18

Tgt Ion:252 Resp: 1430862
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 10.6 8.7 13.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 48.682 ng

RT: 16.87 min Scan# 2514

Delta R.T. -0.01 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

Instrument :

BNA_F

ClientSampled :

TP-4MS

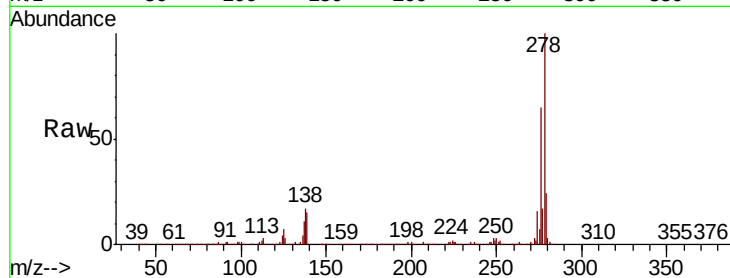
Tot Ion:278 Resp: 1509873

Ion Ratio Lower Upper

278 100

139 15.0 12.3 18.5

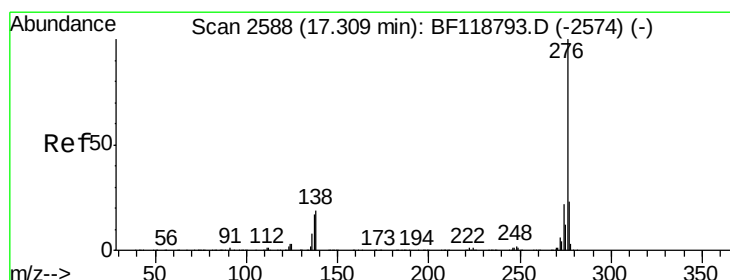
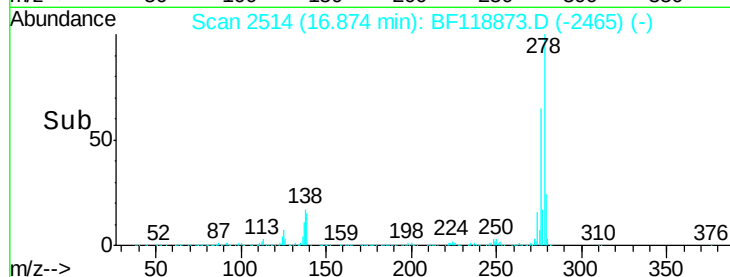
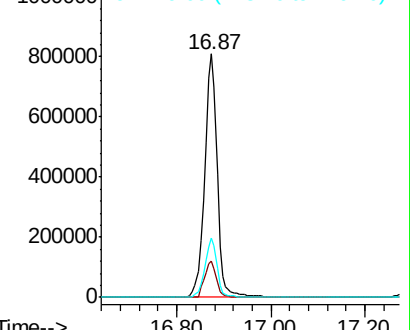
279 24.2 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 49.086 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.02 min

Lab File: BF118873.D

Acq: 10 Feb 2020 17:18

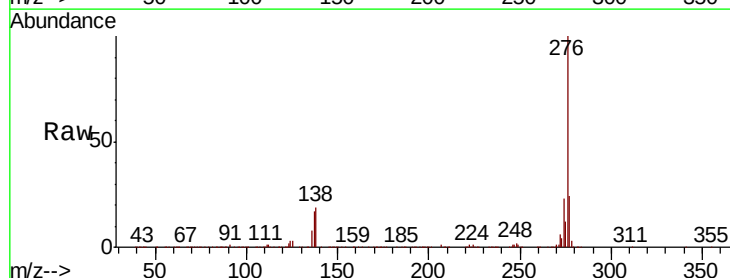
Tgt Ion:276 Resp: 1464110

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 19.4 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

