

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118400.D
 Acq On : 31 Dec 2019 12:42
 Operator : JU
 Sample : PB125809BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 31 17:47:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136956	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	577500	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	310175	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	590505	20.00	ng	0.00
76) Chrysene-d12	14.06	240	370753	20.00	ng	0.00
87) Perylene-d12	15.55	264	228800	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	872473	108.74	ng	0.02
7) Phenol-d6	6.50	99	1065785	107.08	ng	0.01
23) Nitrobenzene-d5	7.42	82	697643	69.09	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	383257	100.06	ng	0.01
45) 2-Fluorobiphenyl	9.22	172	1453603	71.54	ng	0.00
79) Terphenyl-d14	12.99	244	1678741	75.12	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	113159	35.479	ng	98
3) Pyridine	3.45	79	265349	31.226	ng	99
4) n-Nitrosodimethylamine	3.40	42	130491	37.141	ng	98
6) Aniline	6.52	93	319757	25.300	ng	# 67
8) 2-Chlorophenol	6.65	128	372466	40.989	ng	98
9) Benzaldehyde	6.40	77	71384	12.233	ng	97
10) Phenol	6.51	94	434624	38.851	ng	90
11) bis(2-Chloroethyl)ether	6.59	93	321911	40.237	ng	99
12) 1,3-Dichlorobenzene	6.79	146	398772	38.104	ng	99
13) 1,4-Dichlorobenzene	6.87	146	404996	38.100	ng	98
14) 1,2-Dichlorobenzene	7.03	146	383936	38.257	ng	98
15) Benzyl Alcohol	7.00	79	300787	39.691	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	327537	38.366	ng	78
17) 2-Methylphenol	7.12	107	298534	40.961	ng	96
18) Hexachloroethane	7.36	117	145012	37.170	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	236210	38.524	ng	97
20) 3+4-Methylphenols	7.27	107	378873	40.617	ng	98
22) Acetophenone	7.27	105	501422	35.426	ng	96
24) Nitrobenzene	7.44	77	367666	36.350	ng	100
25) Isophorone	7.68	82	662925	37.673	ng	98
26) 2-Nitrophenol	7.76	139	208938	39.000	ng	97
27) 2,4-Dimethylphenol	7.80	122	321305	43.957	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	410754	35.692	ng	99
29) 2,4-Dichlorophenol	8.00	162	316312	37.597	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	347940	35.502	ng	98
31) Naphthalene	8.16	128	1096808	37.367	ng	99
32) Benzoic acid	7.95	122	192869	33.228	ng	95
33) 4-Chloroaniline	8.22	127	265687	21.114	ng	97
34) Hexachlorobutadiene	8.27	225	201527	34.544	ng	99
35) Caprolactam	8.60	113	82769	31.512	ng	97
36) 4-Chloro-3-methylphenol	8.71	107	333454	36.916	ng	99
37) 2-Methylnaphthalene	8.86	142	762995	37.967	ng	99
38) 1-Methylnaphthalene	8.96	142	716831	37.860	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	329277	35.332	ng	99

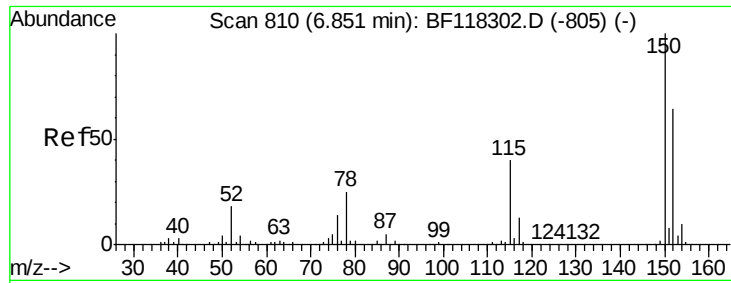
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
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 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	154278	43.910	ng	96
43) 2,4,6-Trichlorophenol	9.15	196	221398	35.560	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	232568	36.312	ng	98
46) 1,1'-Biphenyl	9.32	154	894357	36.455	ng	98
47) 2-Chloronaphthalene	9.35	162	694862	35.192	ng	98
48) 2-Nitroaniline	9.45	65	192021	34.430	ng	99
49) Acenaphthylene	9.77	152	1098563	37.514	ng	100
50) Dimethylphthalate	9.62	163	835035	35.865	ng	99
51) 2,6-Dinitrotoluene	9.69	165	184689	36.793	ng	98
52) Acenaphthene	9.94	154	649354	36.405	ng	99
53) 3-Nitroaniline	9.87	138	143300	24.323	ng	94
54) 2,4-Dinitrophenol	9.99	184	159571	64.147	ng	93
55) Dibenzofuran	10.12	168	975073	36.996	ng	99
56) 4-Nitrophenol	10.05	139	226352	62.235	ng	95
57) 2,4-Dinitrotoluene	10.10	165	247083	36.838	ng	88
58) Fluorene	10.46	166	775001	36.426	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.24	232	196211	36.055	ng	99
60) Diethylphthalate	10.33	149	838625	36.408	ng	100
61) 4-Chlorophenyl-phenylether	10.45	204	383788	36.135	ng	98
62) 4-Nitroaniline	10.49	138	184602	30.162	ng	99
63) Azobenzene	10.61	77	724638	36.728	ng	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	124721	39.152	ng	98
66) n-Nitrosodiphenylamine	10.57	169	685592	36.226	ng	98
67) 4-Bromophenyl-phenylether	10.94	248	238248	34.476	ng	94
68) Hexachlorobenzene	11.01	284	278595	34.249	ng	99
69) Atrazine	11.10	200	224321	38.404	ng	98
70) Pentachlorophenol	11.21	266	225023	63.875	ng	99
71) Phenanthrene	11.43	178	1145318	35.578	ng	99
72) Anthracene	11.48	178	1162823	36.088	ng	99
73) Carbazole	11.63	167	995352	34.813	ng	98
74) Di-n-butylphthalate	11.96	149	1332453	36.754	ng	100
75) Fluoranthene	12.62	202	1148298	35.345	ng	98
77) Benzidine	12.74	184	196639	19.356	ng	98
78) Pyrene	12.85	202	1147789	37.911	ng	100
80) Butylbenzylphthalate	13.46	149	530691	38.930	ng	96
81) Benzo(a)anthracene	14.04	228	925320	35.656	ng	99
82) 3,3'-Dichlorobenzidine	14.00	252	248319	28.221	ng	98
83) Chrysene	14.09	228	879161	35.380	ng	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	736763	41.102	ng	99
85) Di-n-octyl phthalate	14.63	149	1088538	41.284	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	669349	31.613	ng	100
88) Benzo(b)fluoranthene	15.11	252	765578	50.408	ng	98
89) Benzo(k)fluoranthene	15.14	252	677650	46.469	ng	99
90) Benzo(a)pyrene	15.49	252	621681	46.466	ng	99
91) Dibenzo(a,h)anthracene	17.08	278	576264	49.634	ng	98
92) Benzo(g,h,i)perylene	17.53	276	559034	49.845	ng	98

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

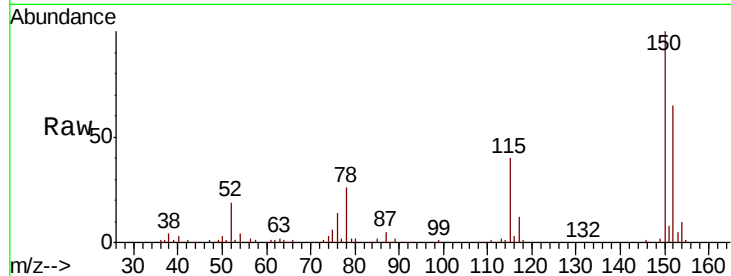


#1

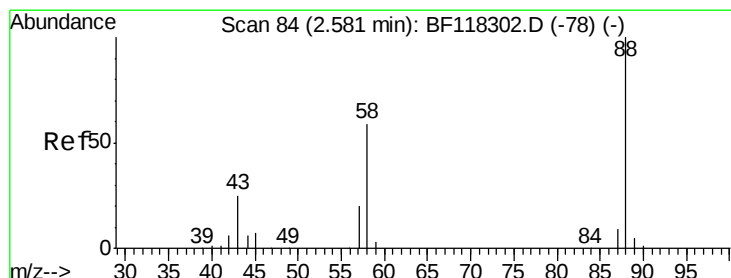
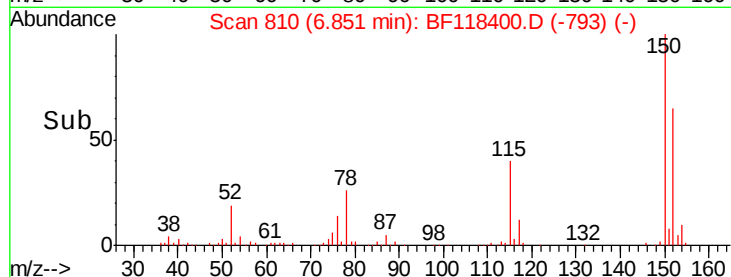
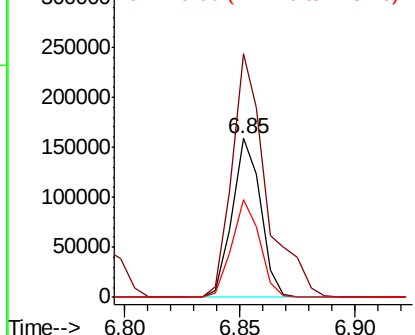
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136956
Ion Ratio Lower Upper
152 100
150 153.4 125.4 188.2
115 61.9 50.2 75.4



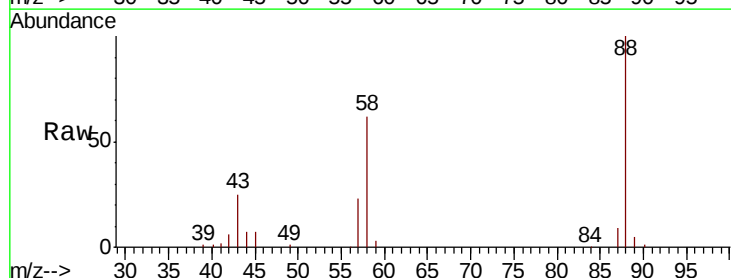
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



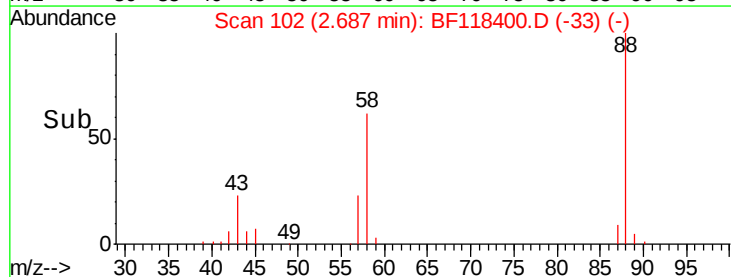
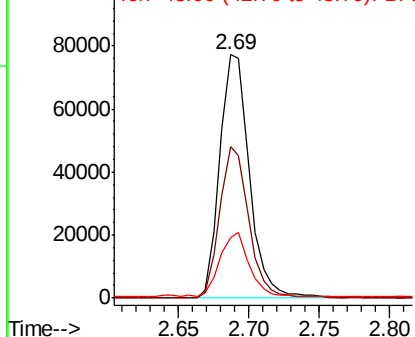
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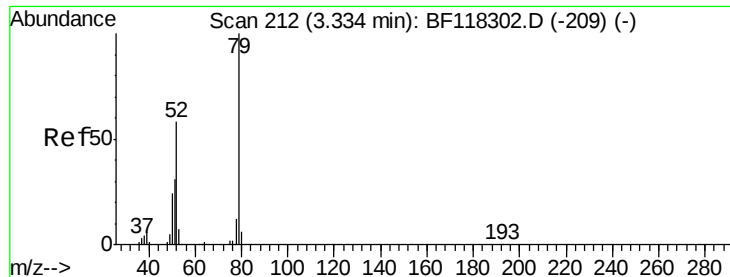
1,4-Dioxane
Concen: 35.479 ng
RT: 2.69 min Scan# 102
Delta R.T. 0.11 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion: 88 Resp: 113159
Ion Ratio Lower Upper
88 100
58 61.0 47.6 71.4
43 26.0 20.6 30.8



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: 31.226 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.12 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

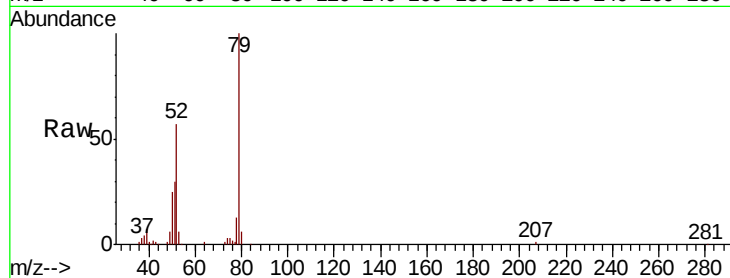
Tot Ion: 79 Resp: 265349

Ion Ratio Lower Upper

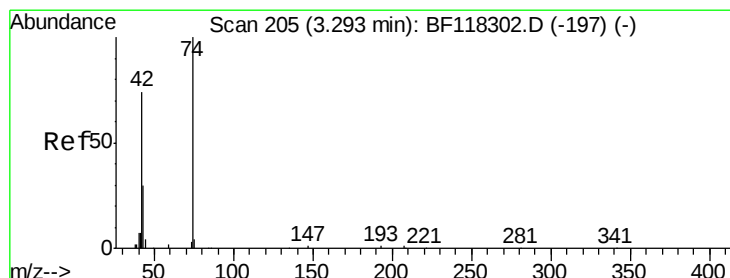
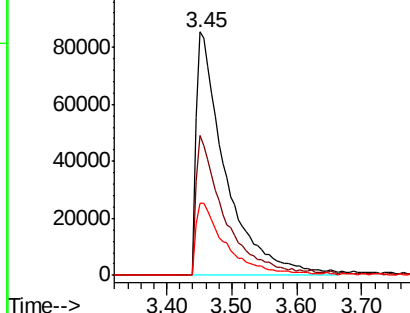
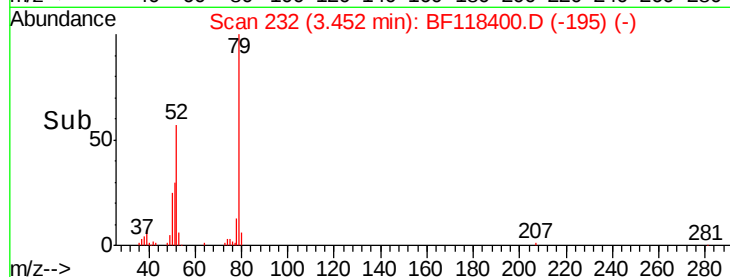
79 100

52 57.5 46.4 69.6

51 29.9 24.9 37.3



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: 37.141 ng

RT: 3.40 min Scan# 223

Delta R.T. 0.11 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

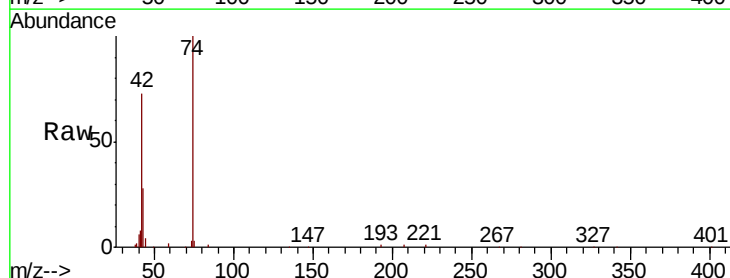
Tgt Ion: 42 Resp: 130491

Ion Ratio Lower Upper

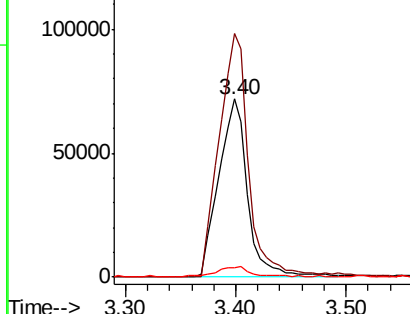
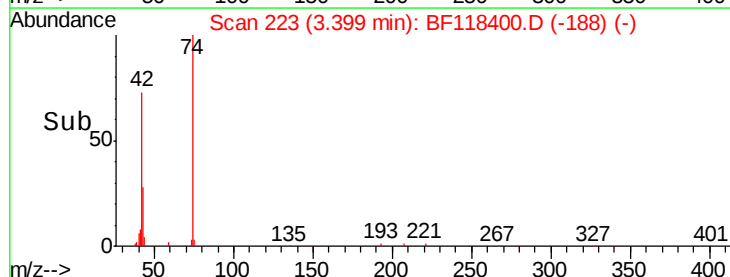
42 100

74 136.8 107.7 161.5

44 5.5 4.8 7.2



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: 108.743 ng

RT: 5.49 min Scan# 578

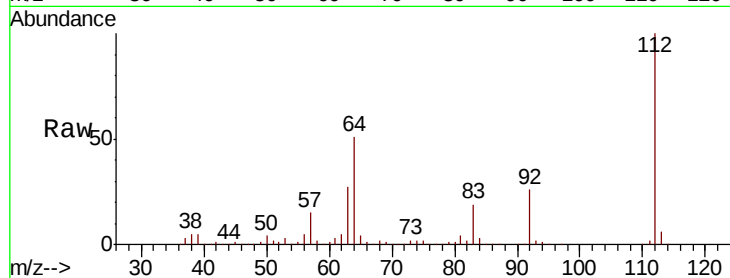
Delta R.T. 0.02 min

Lab File: BF118400.D

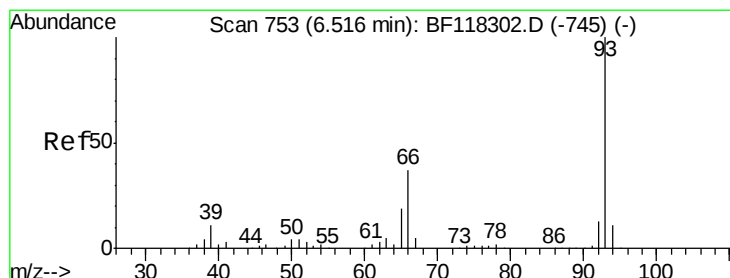
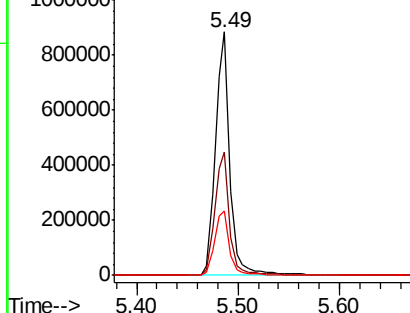
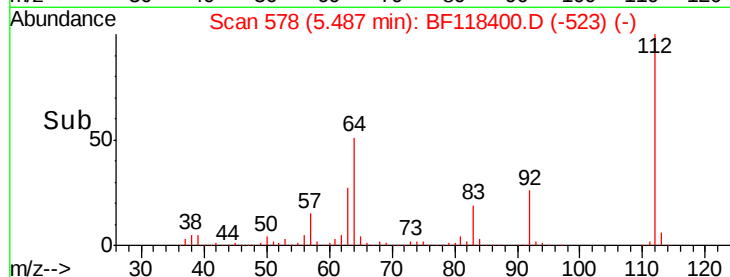
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	872473
Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.7	59.5
63	26.6	21.7	32.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.300 ng

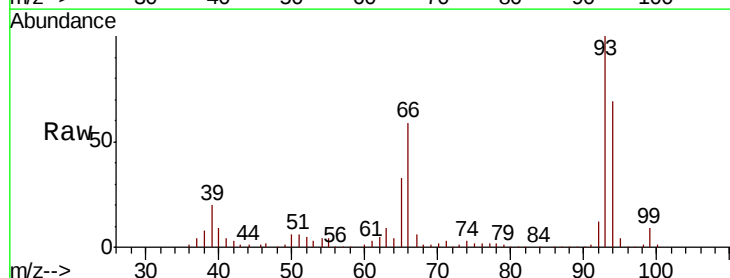
RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

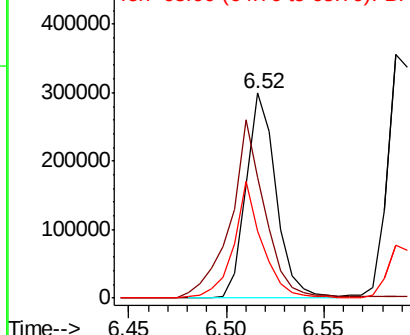
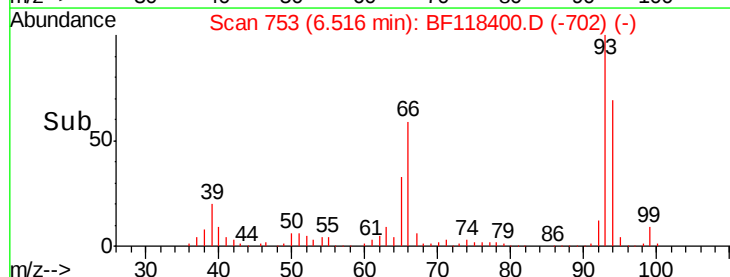
Lab File: BF118400.D

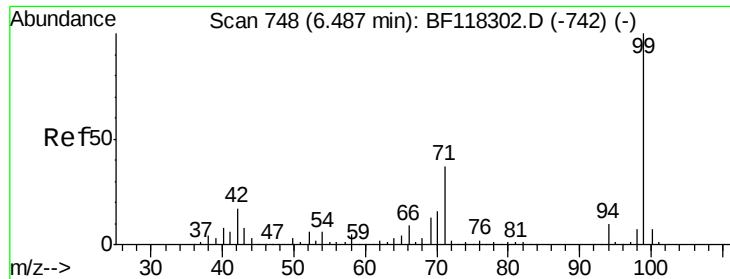
Acq: 31 Dec 2019 12:42

Tgt Ion:	93	Resp:	319757
Ion	Ratio	Lower	Upper
93	100		
66	59.0	30.2	45.4#
65	32.7	15.7	23.5#



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: 107.081 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

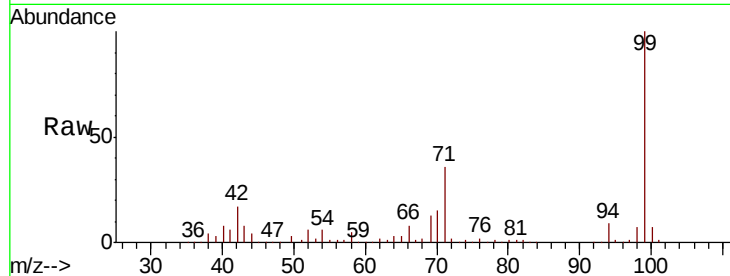
Tot Ion: 99 Resp: 1065785

Ion Ratio Lower Upper

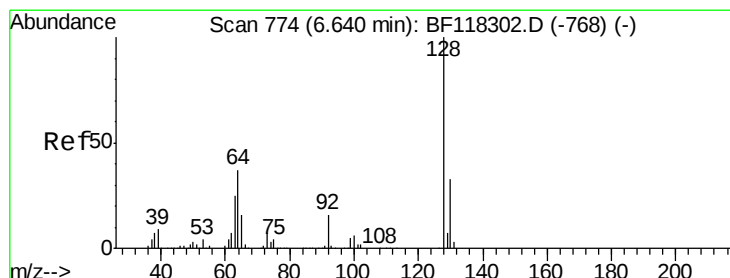
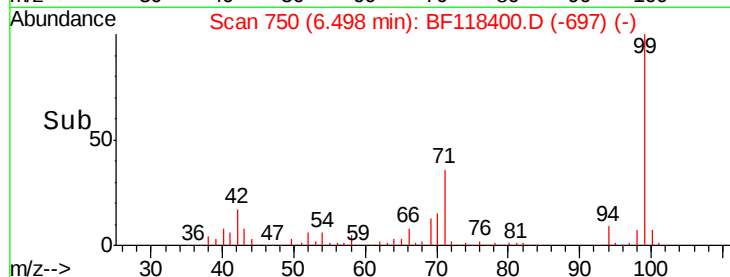
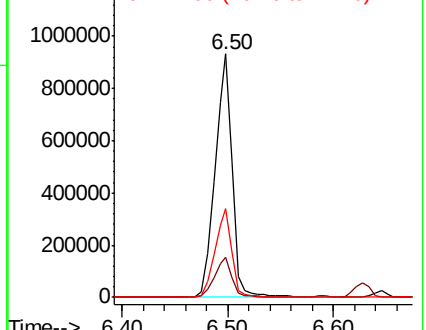
99 100

42 16.7 13.5 20.3

71 36.3 29.4 44.2



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



#8

2-Chlorophenol

Concen: 40.989 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

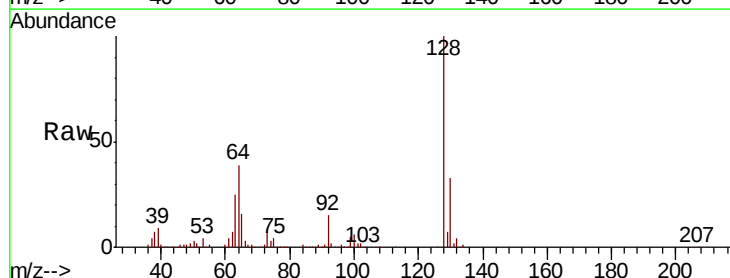
Tgt Ion:128 Resp: 372466

Ion Ratio Lower Upper

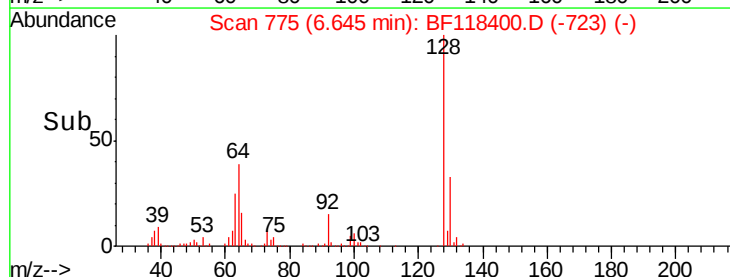
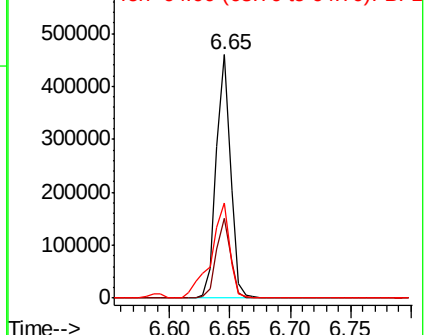
128 100

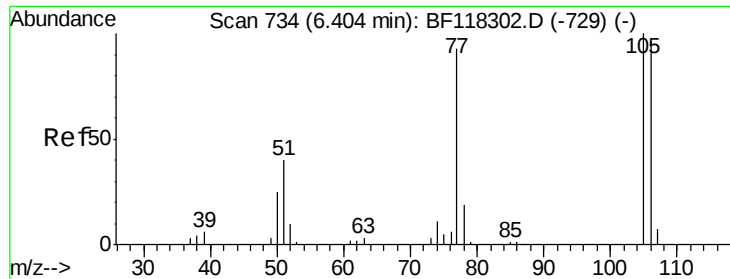
130 32.6 13.2 53.2

64 39.0 17.7 57.7



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





#9

Benzaldehyde

Concen: 12.233 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

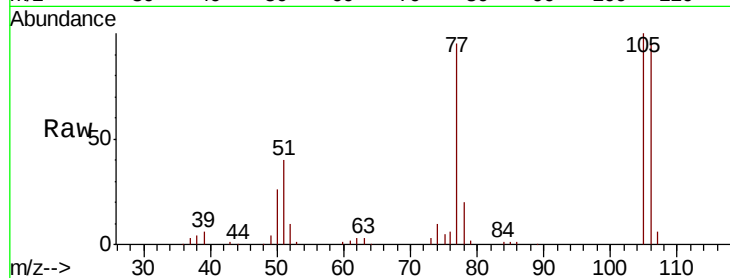
Tot Ion: 77 Resp: 71384

Ion Ratio Lower Upper

77 100

105 104.9 87.5 127.5

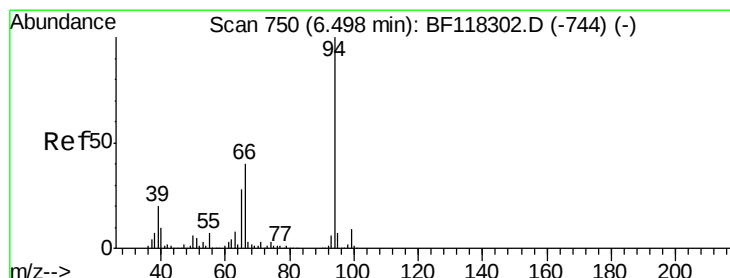
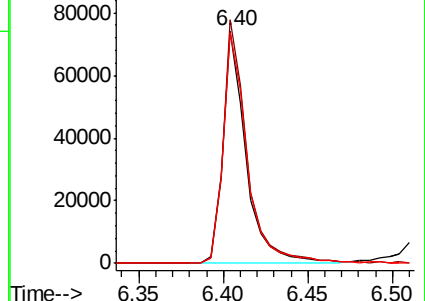
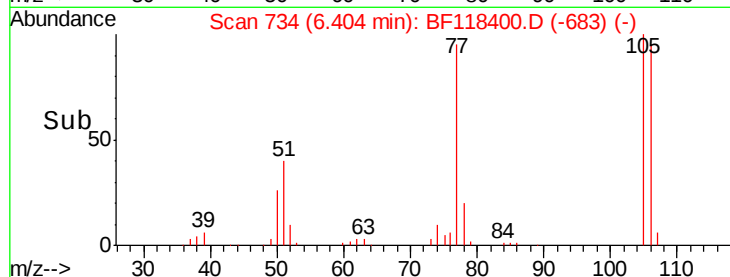
106 99.6 83.6 123.6



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: 38.851 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

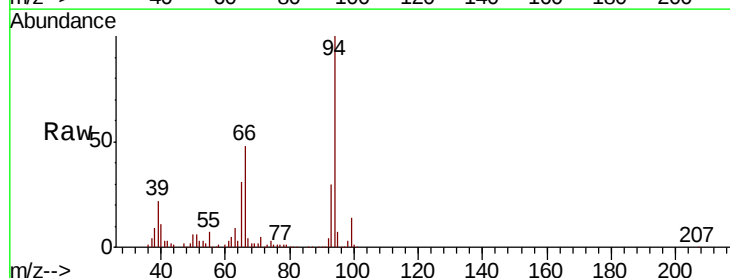
Tgt Ion: 94 Resp: 434624

Ion Ratio Lower Upper

94 100

65 31.4 7.8 47.8

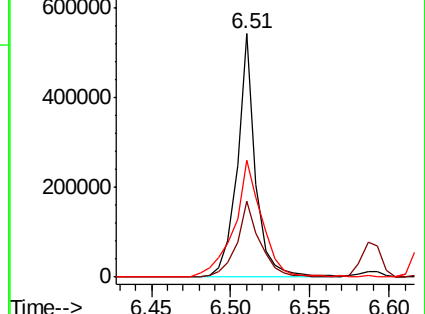
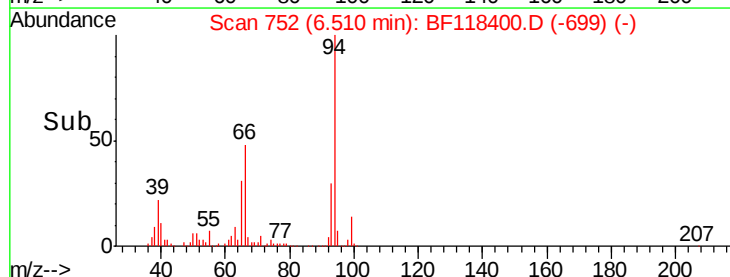
66 48.0 20.4 60.4

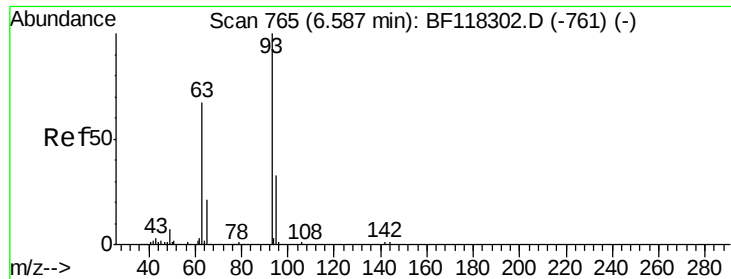


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

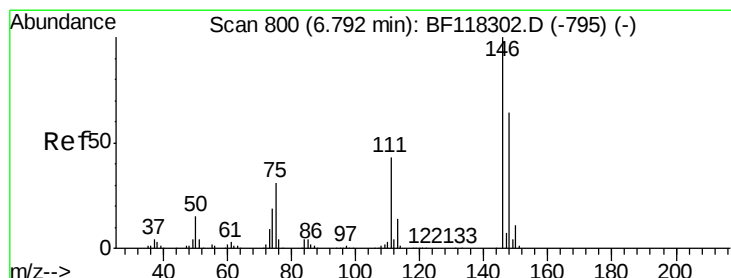
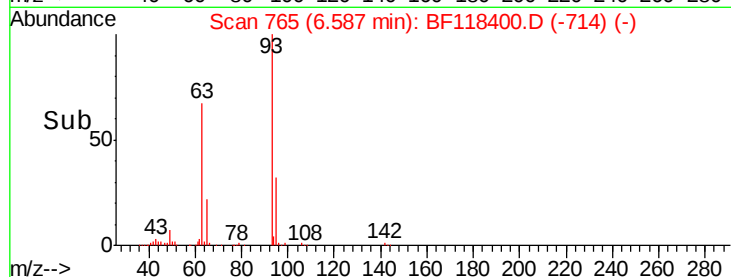
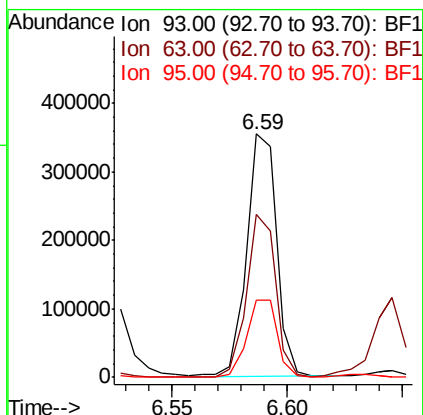
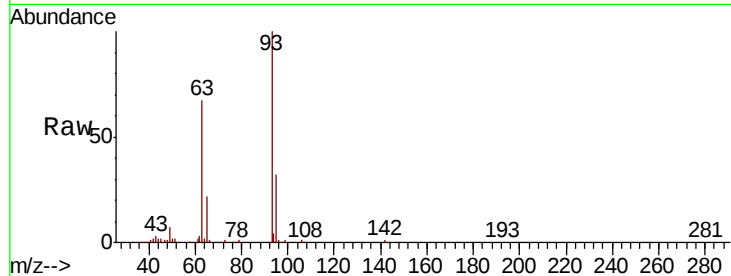




#11
bis(2-Chloroethyl)ether
Concen: 40.237 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

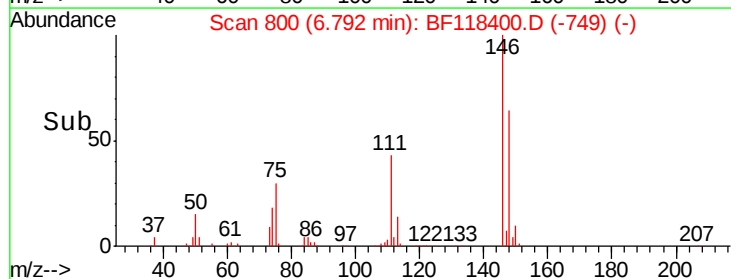
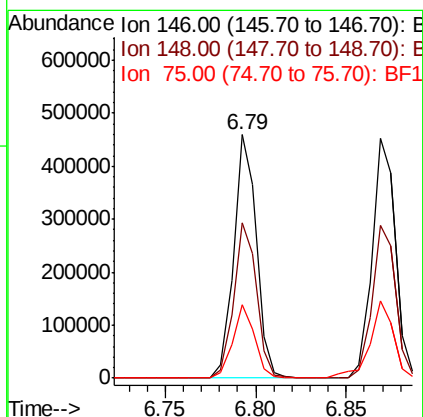
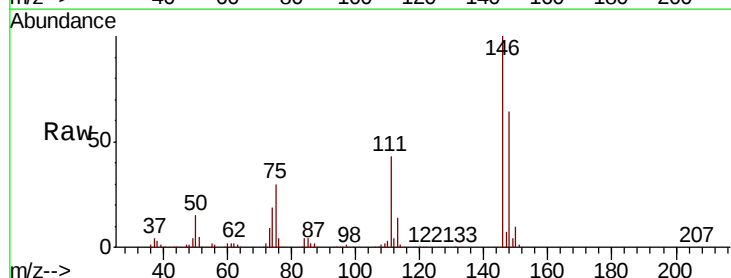
Instrument :
BNA_F
ClientSampleId :

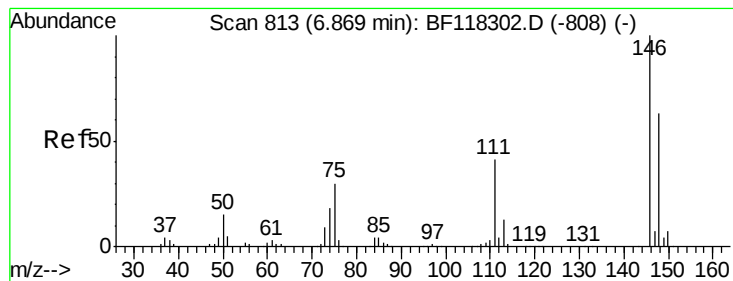
Tot Ion	Ratio	Lower	Upper
93	100		
63	67.0	47.0	87.0
95	31.6	12.8	52.8



#12
1,3-Dichlorobenzene
Concen: 38.104 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.4	77.0
75	30.3	24.4	36.6





#13

1,4-Dichlorobenzene

Concen: 38.100 ng

RT: 6.87 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampled :

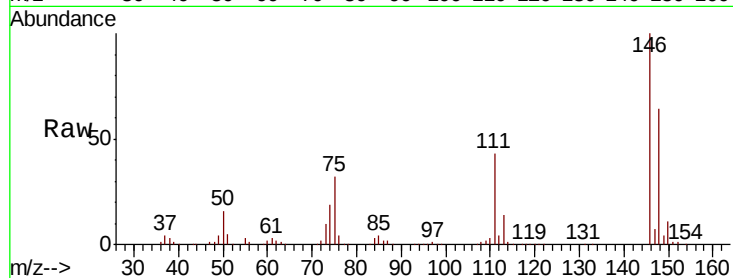
Tot Ion:146 Resp: 404996

Ion Ratio Lower Upper

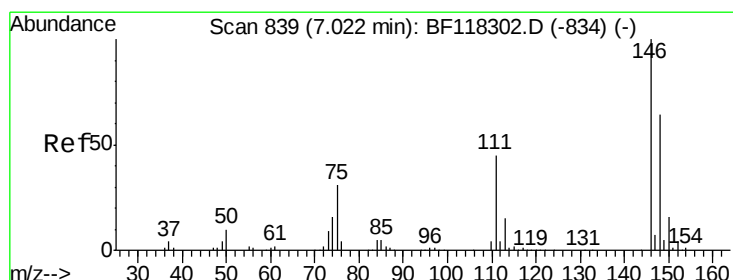
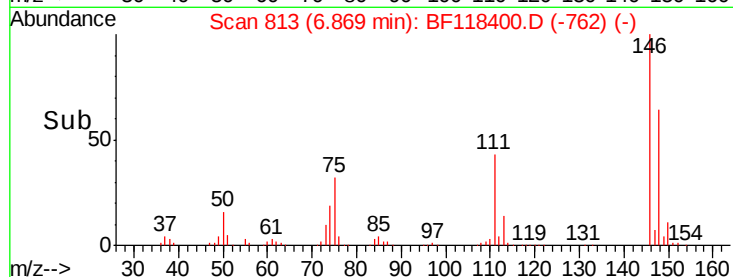
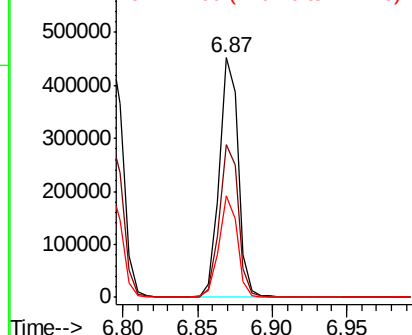
146 100

148 63.6 50.3 75.5

111 42.6 32.8 49.2



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



#14

1,2-Dichlorobenzene

Concen: 38.257 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

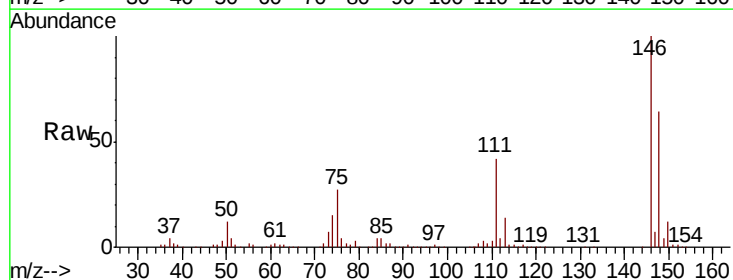
Tgt Ion:146 Resp: 383936

Ion Ratio Lower Upper

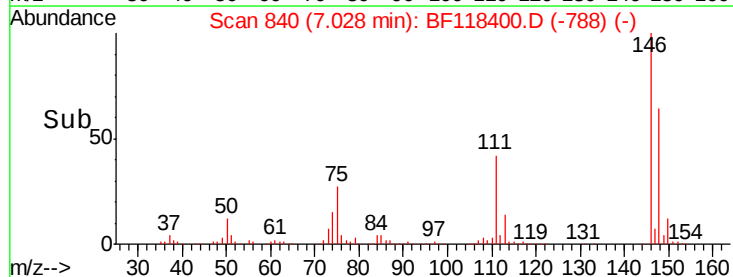
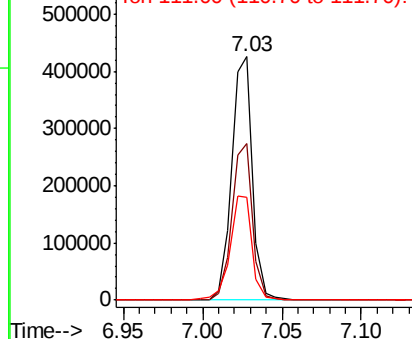
146 100

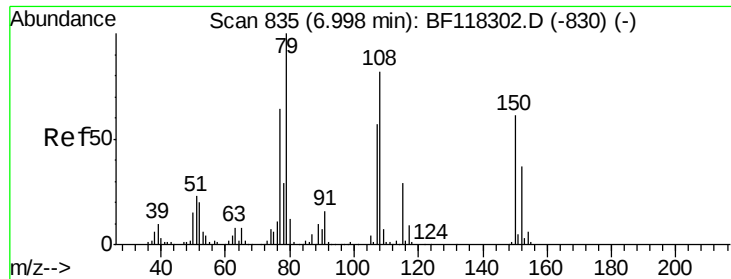
148 64.4 51.3 76.9

111 42.1 35.7 53.5



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: 39.691 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampled :

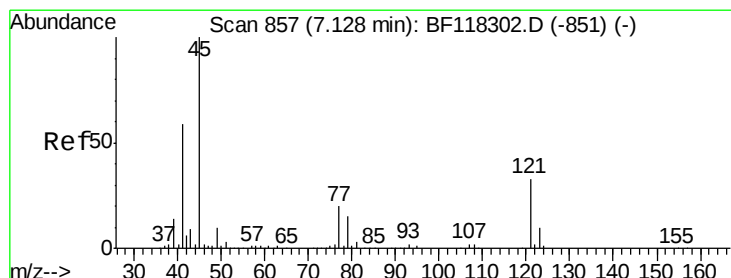
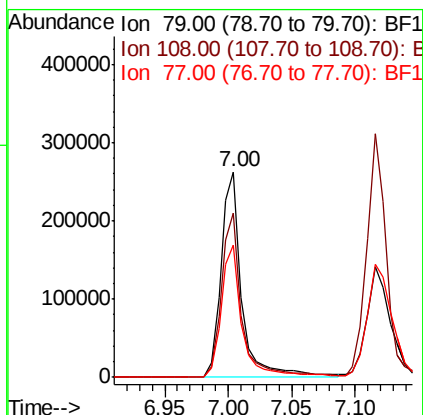
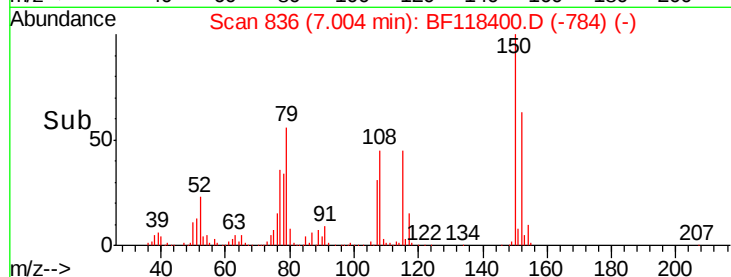
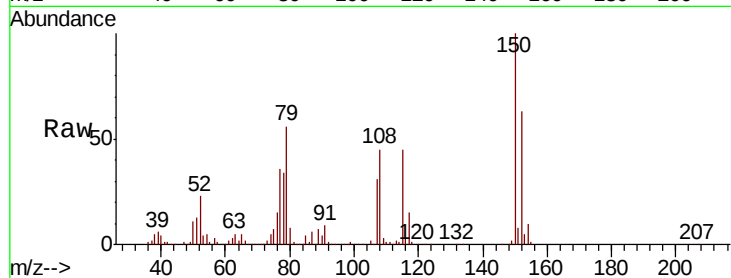
Tot Ion: 79 Resp: 300787

Ion Ratio Lower Upper

79 100

108 80.1 65.4 98.0

77 64.3 51.4 77.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.366 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

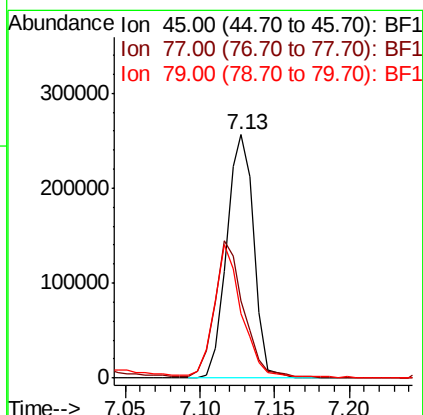
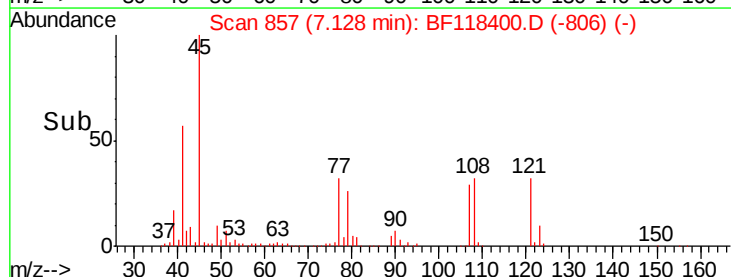
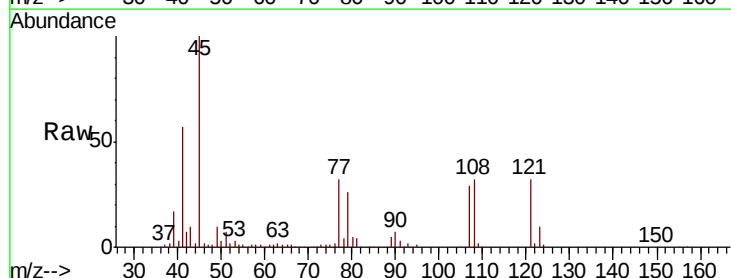
Tgt Ion: 45 Resp: 327537

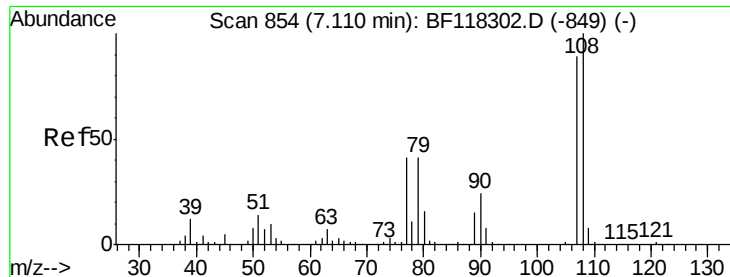
Ion Ratio Lower Upper

45 100

77 31.9 1.2 41.2

79 26.5 0.0 37.0

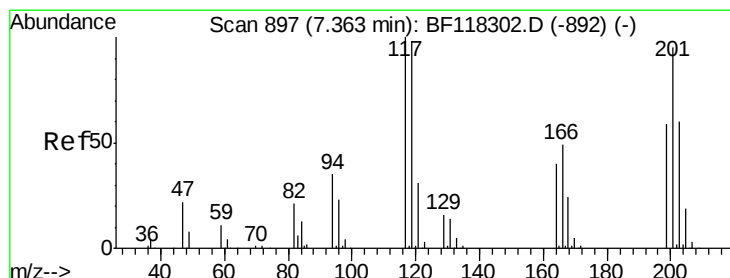
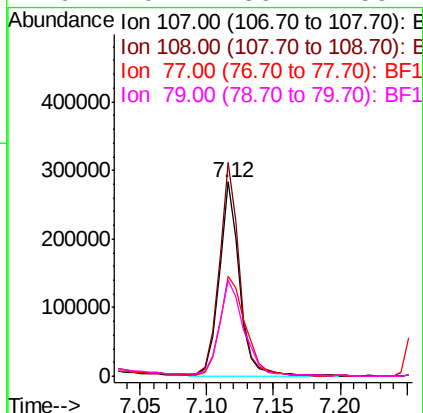
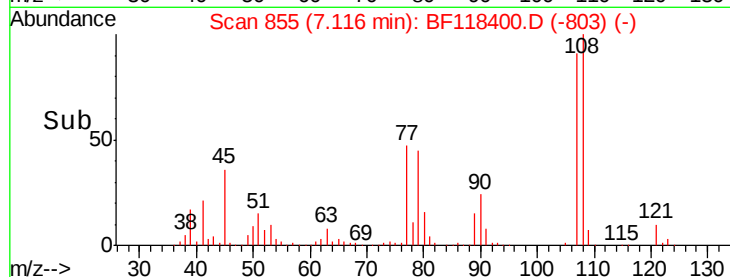
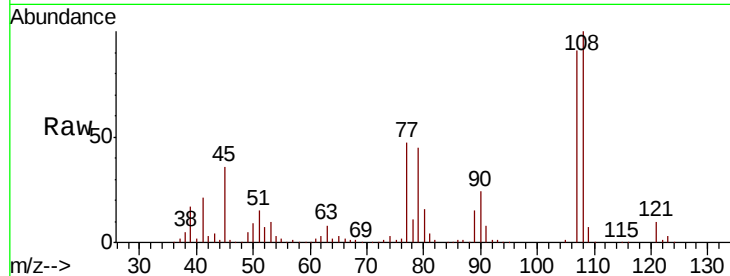




#17
2-Methylphenol
Concen: 40.961 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

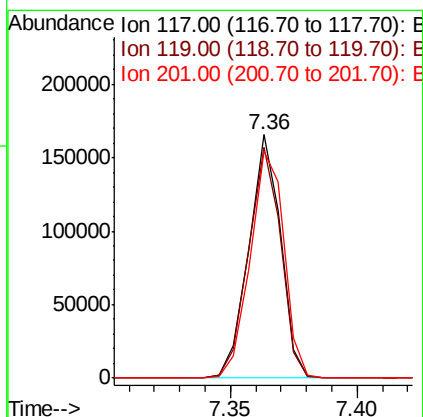
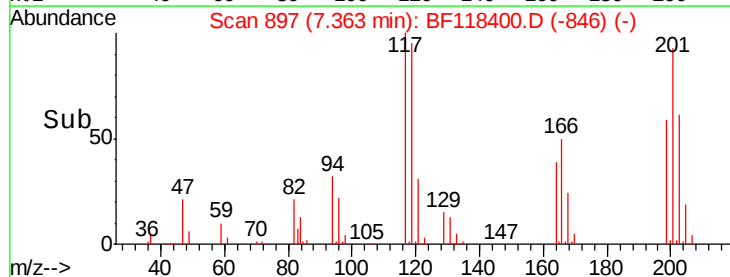
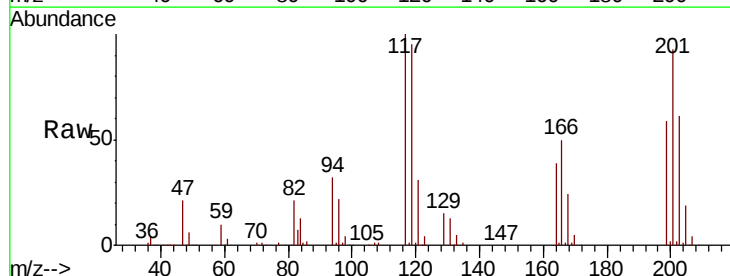
Instrument :
BNA_F
ClientSampled :

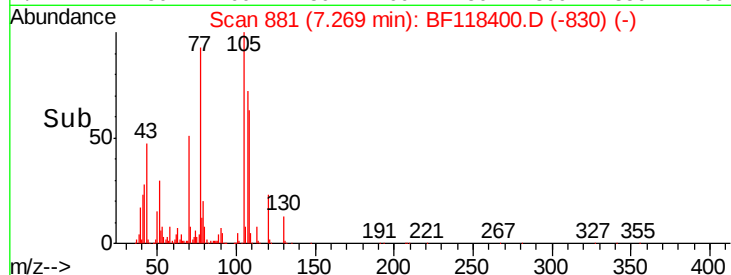
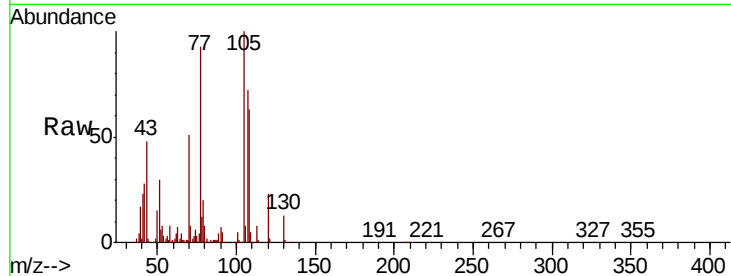
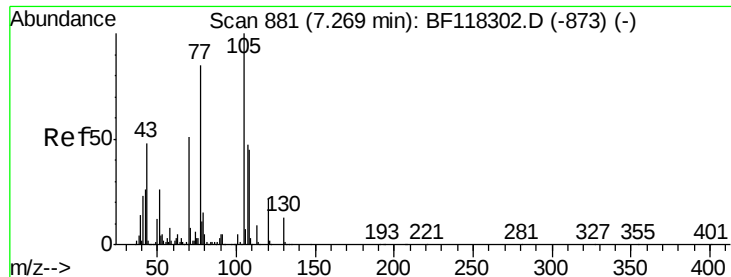
Tot Ion:107 Resp: 298534
Ion Ratio Lower Upper
107 100
108 110.0 89.7 134.5
77 51.3 37.2 55.8
79 49.7 36.7 55.1



#18
Hexachloroethane
Concen: 37.170 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:117 Resp: 145012
Ion Ratio Lower Upper
117 100
119 95.1 78.0 117.0
201 93.4 76.2 114.2

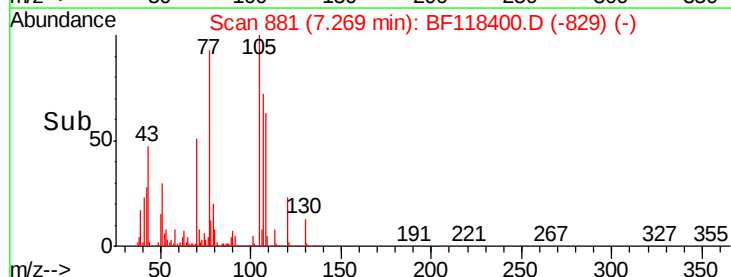
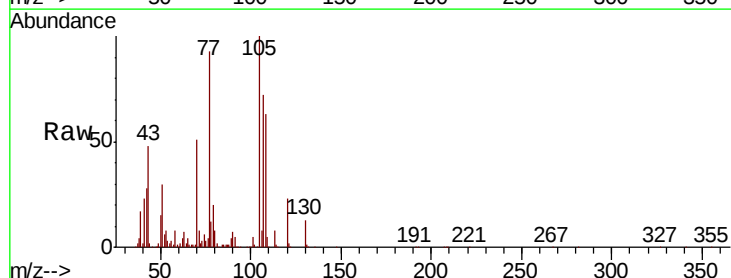
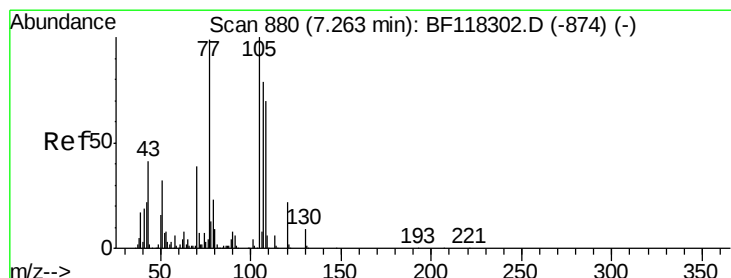
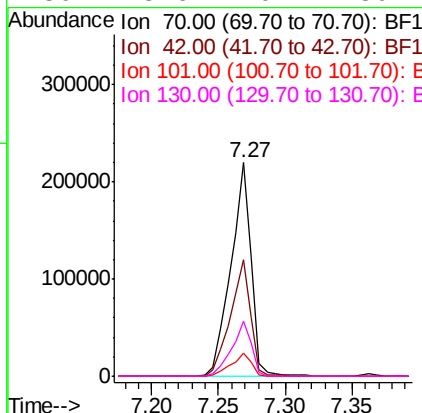




#19
n-Nitroso-di-n-propylamine
Concen: 38.524 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

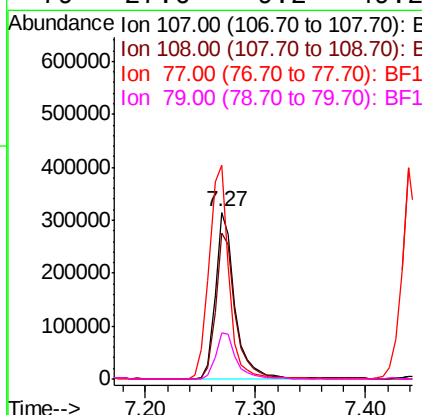
Instrument :
BNA_F
ClientSampleId :

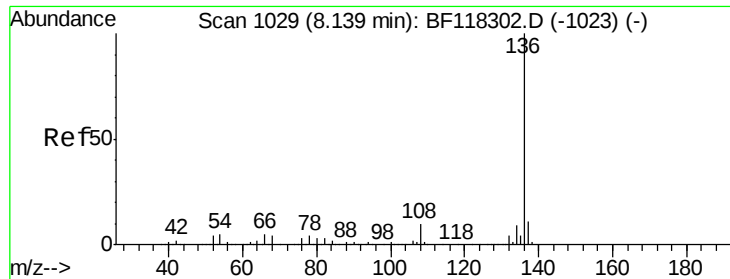
Tot Ion	Ratio	Lower	Upper
70	100		
42	54.5	41.1	61.7
101	10.6	8.3	12.5
130	25.6	20.1	30.1



#20
3+4-Methylphenols
Concen: 40.617 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.4	69.3	109.3
77	128.2	105.9	145.9
79	27.6	9.2	49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 577500

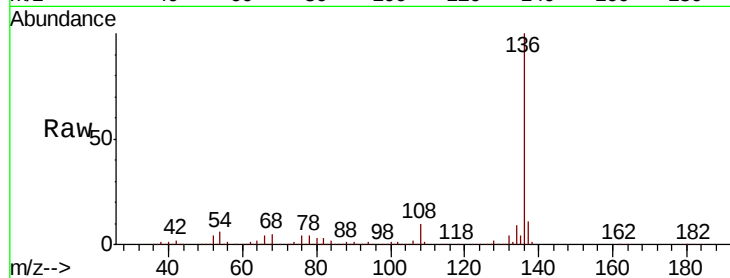
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.5 4.2 6.4

68 4.5 3.5 5.3

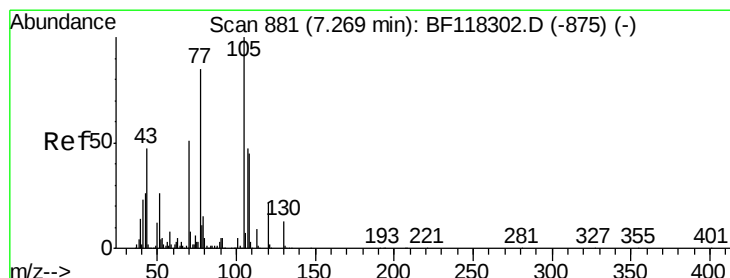
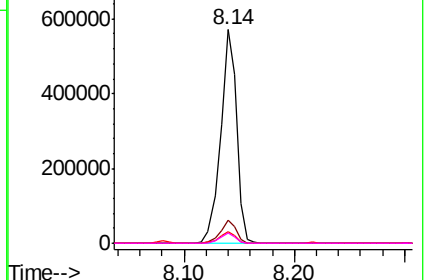
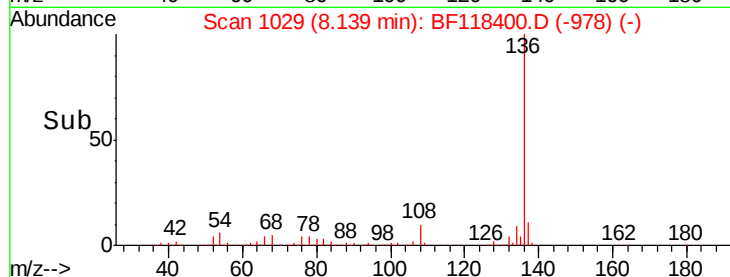


Abundance Ion 136.00 (135.70 to 136.70): E

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: 35.426 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Tgt Ion:105 Resp: 501422

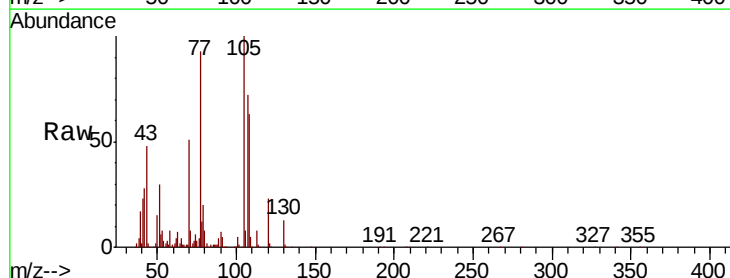
Ion Ratio Lower Upper

105 100

71 8.4 6.6 9.8

51 29.9 20.6 30.8

120 22.9 18.0 27.0

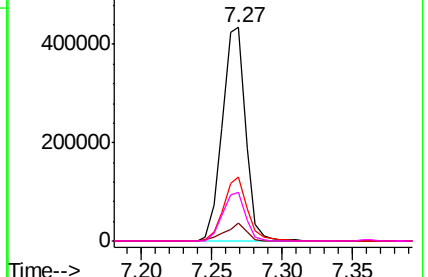
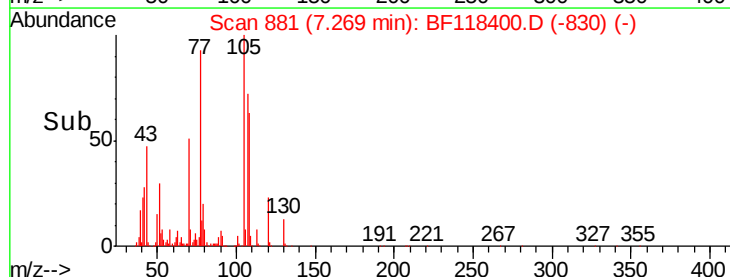


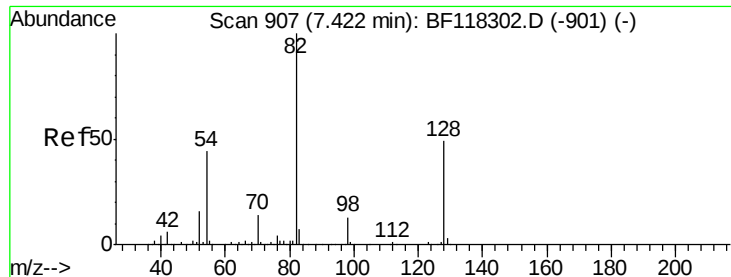
Abundance Ion 105.00 (104.70 to 105.70): E

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

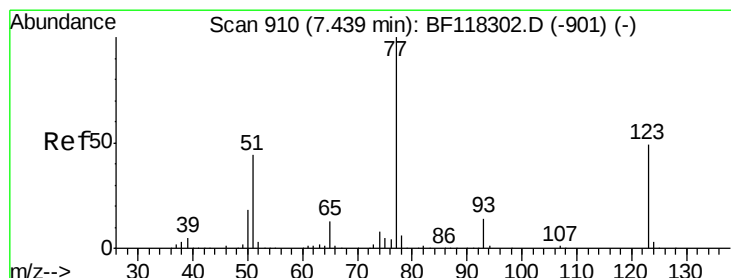
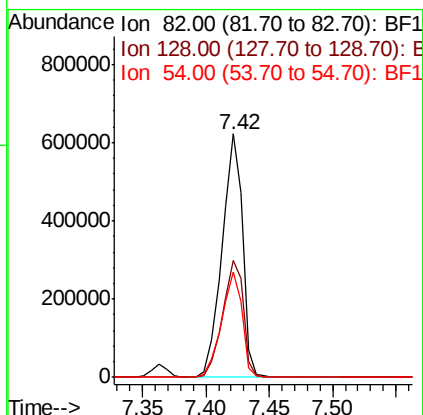
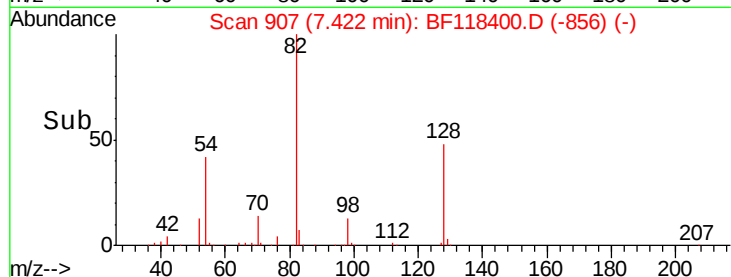
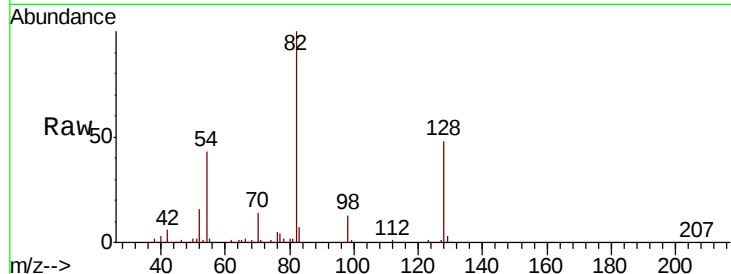




#23
 Nitrobenzene-d5
 Concen: 69.094 ng
 RT: 7.42 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

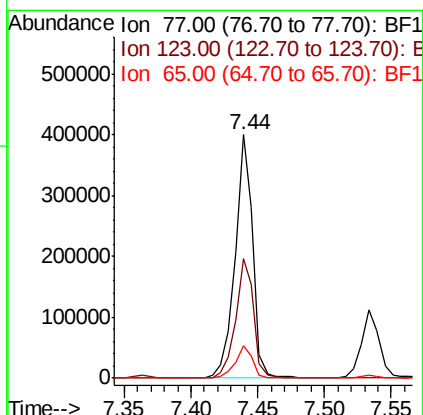
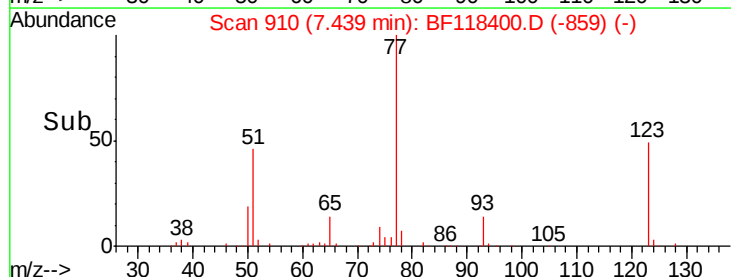
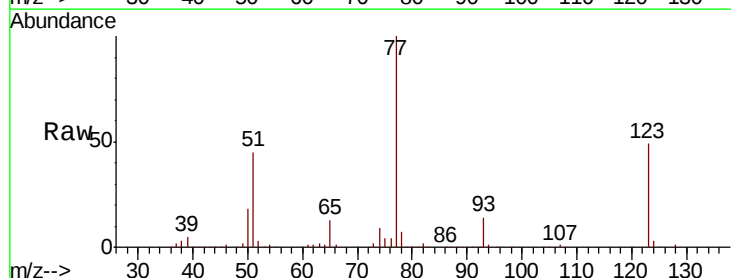
Instrument :
 BNA_F
 ClientSampleId :

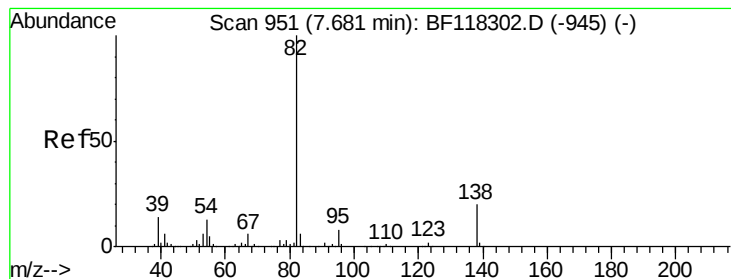
Tot Ion: 82 Resp: 697643
 Ion Ratio Lower Upper
 82 100
 128 47.9 39.6 59.4
 54 43.4 34.9 52.3



#24
 Nitrobenzene
 Concen: 36.350 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion: 77 Resp: 367666
 Ion Ratio Lower Upper
 77 100
 123 49.1 39.1 58.7
 65 13.4 10.6 16.0





#25

Isophorone

Concen: 37.673 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

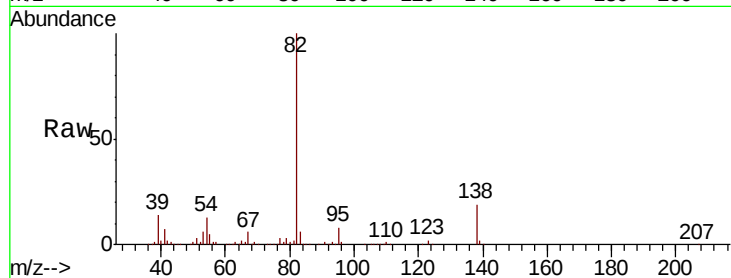
Tot Ion: 82 Resp: 662925

Ion Ratio Lower Upper

82 100

95 8.0 6.3 9.5

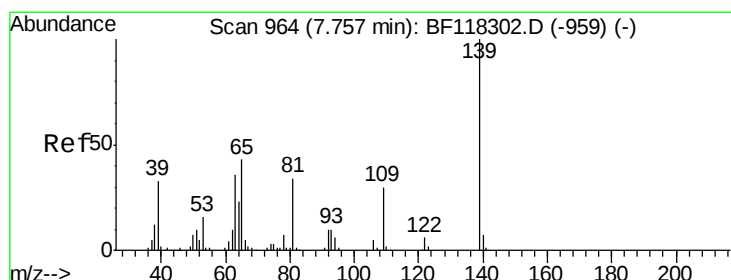
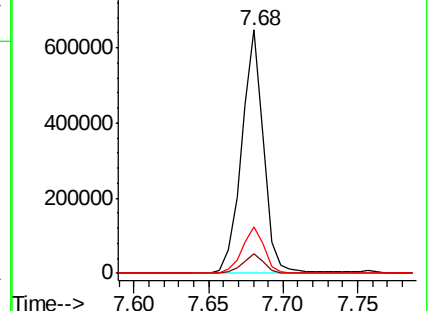
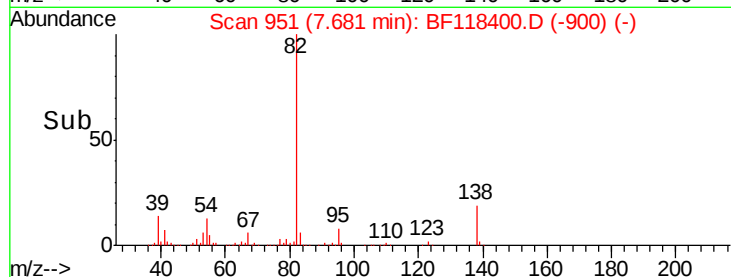
138 19.2 16.2 24.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 39.000 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

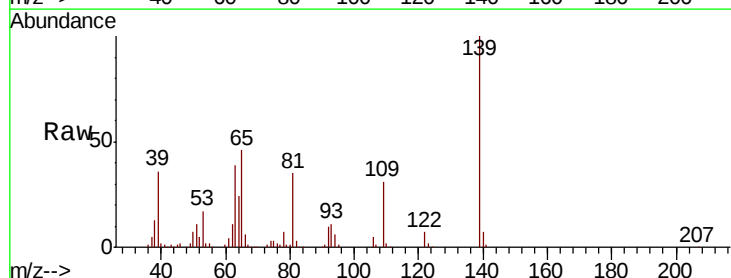
Tgt Ion: 139 Resp: 208938

Ion Ratio Lower Upper

139 100

109 30.8 24.1 36.1

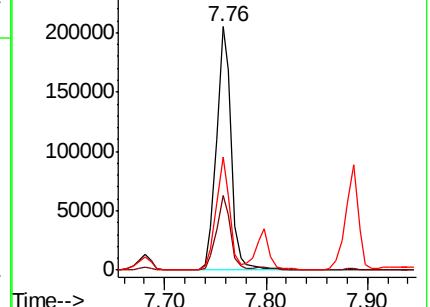
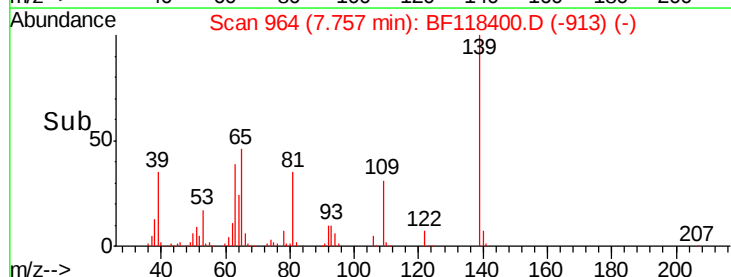
65 46.5 34.6 52.0

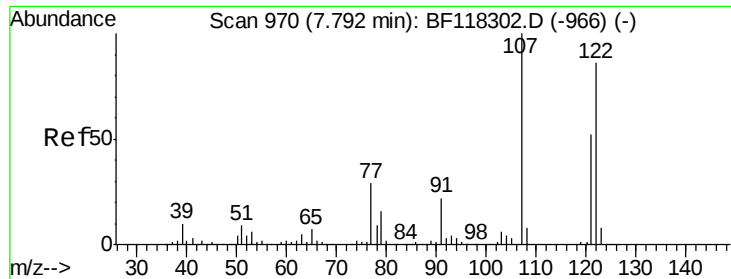


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

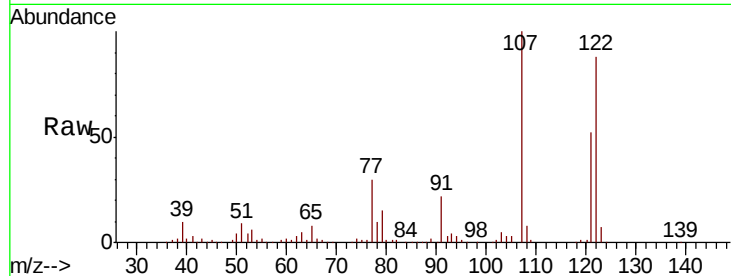




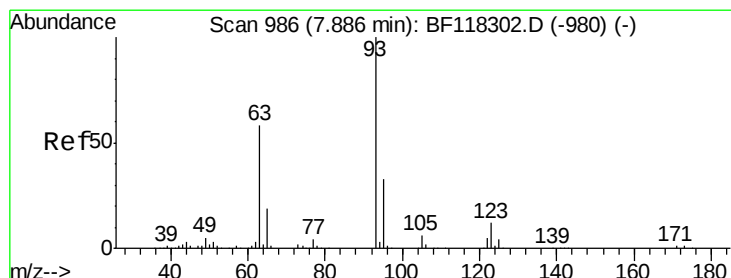
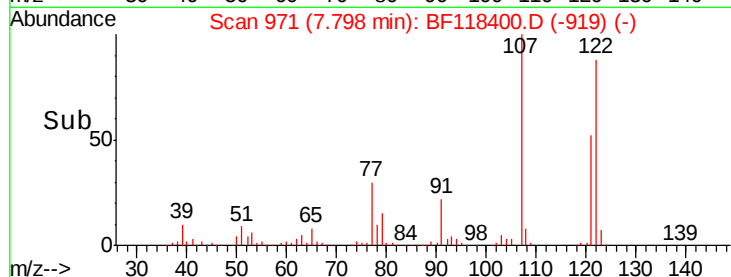
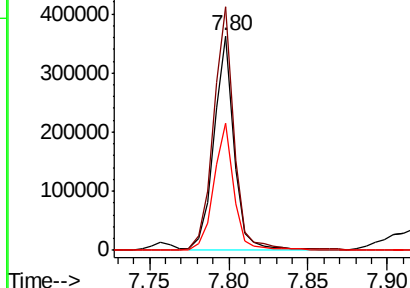
#27
2,4-Dimethylphenol
Concen: 43.957 ng
RT: 7.80 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.4	92.9	139.3
121	58.9	47.9	71.9

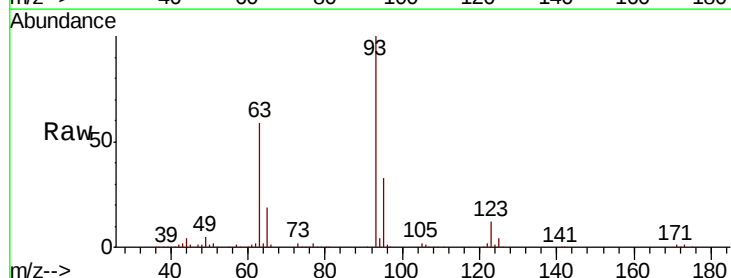


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

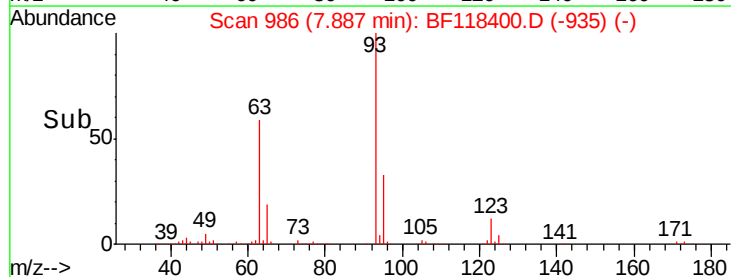
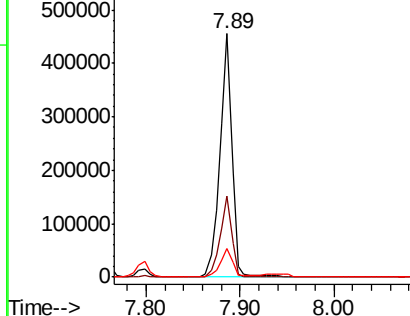


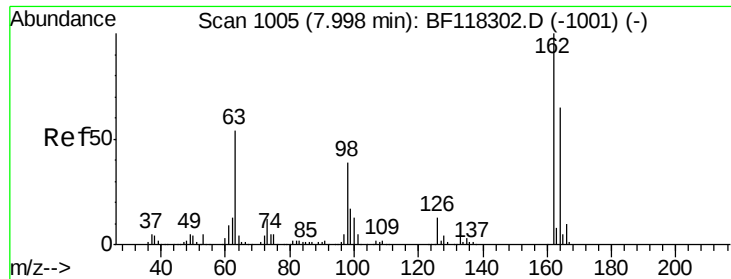
#28
bis(2-Chloroethoxy)methane
Concen: 35.692 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	11.9	9.8	14.8



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

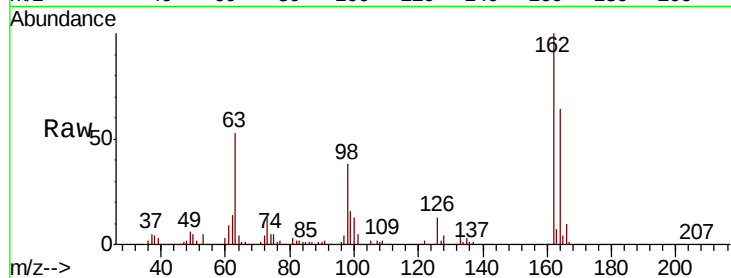




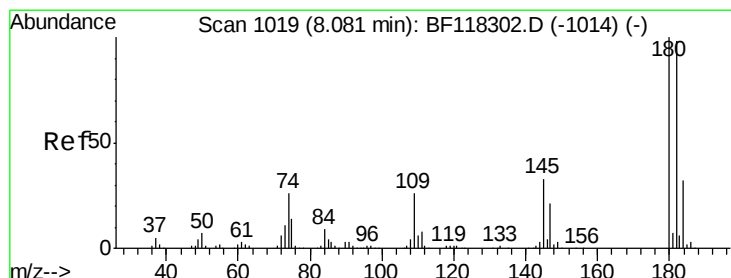
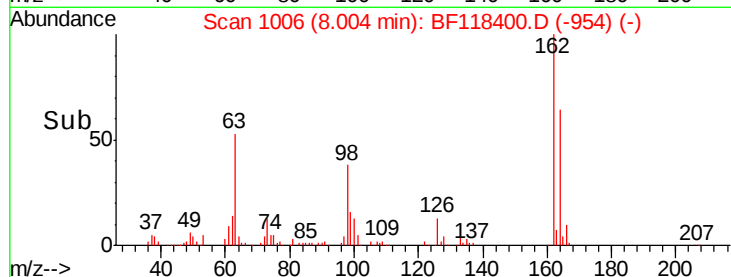
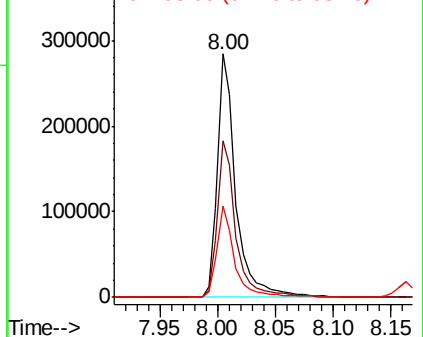
#29
2,4-Dichlorophenol
Concen: 37.597 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 316312
Ion Ratio Lower Upper
162 100
164 64.3 45.1 85.1
98 37.7 18.6 58.6

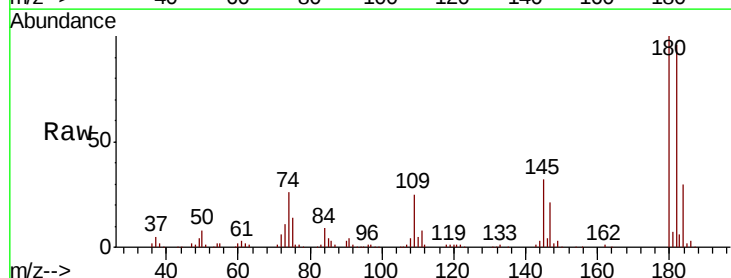


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

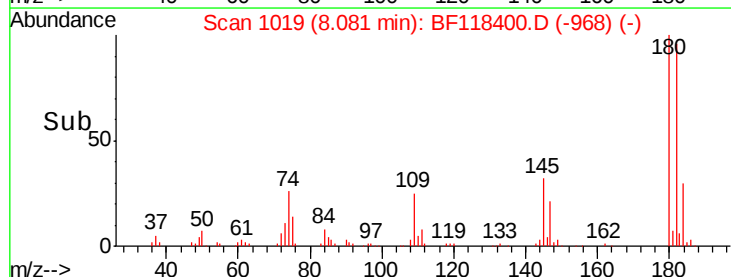
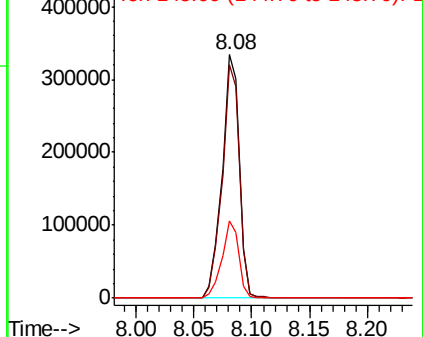


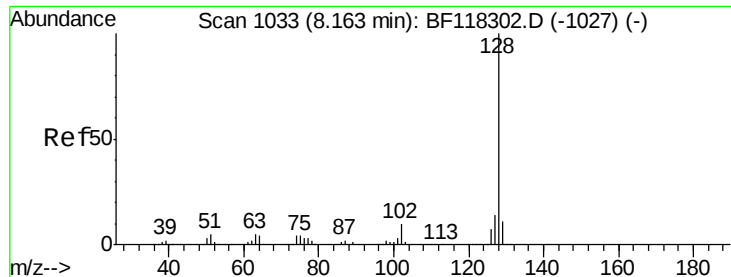
#30
1,2,4-Trichlorobenzene
Concen: 35.502 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:180 Resp: 347940
Ion Ratio Lower Upper
180 100
182 96.0 78.3 117.5
145 31.8 26.7 40.1



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

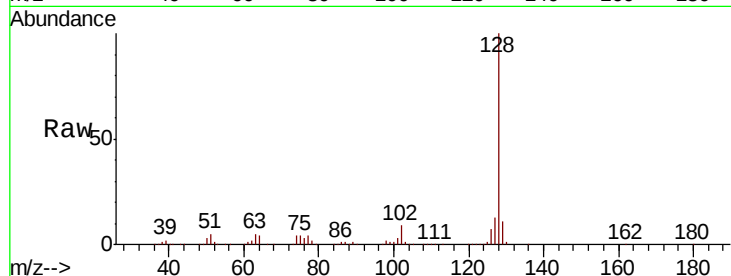




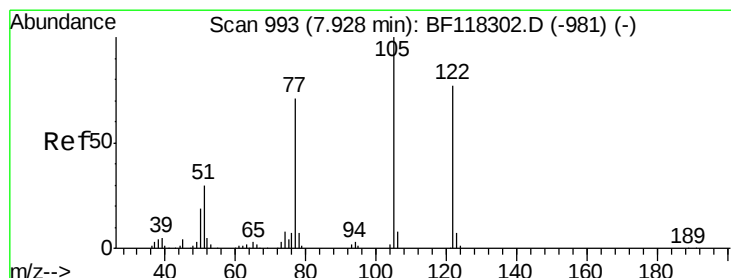
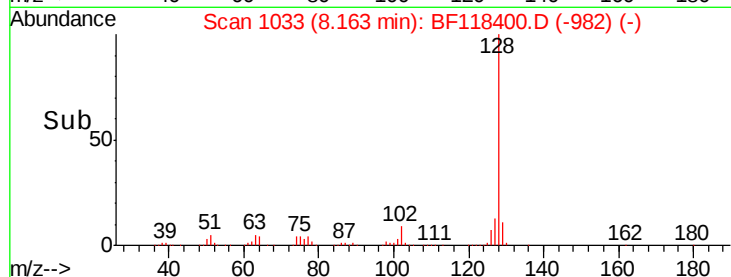
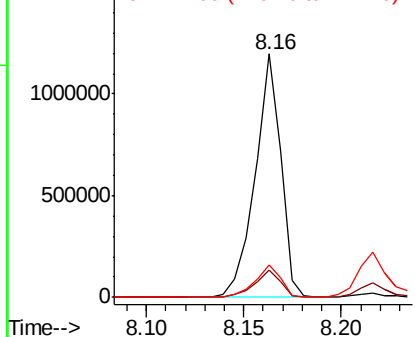
#31
Naphthalene
Concen: 37.367 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1096808
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.2 11.0 16.4

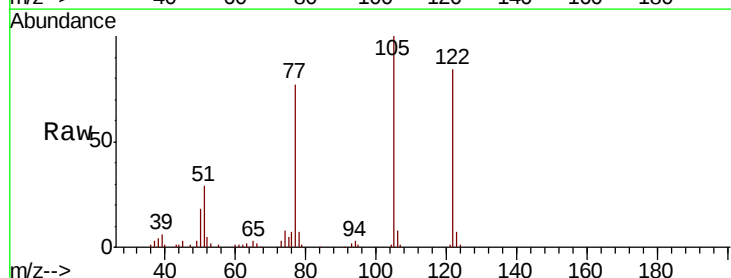


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

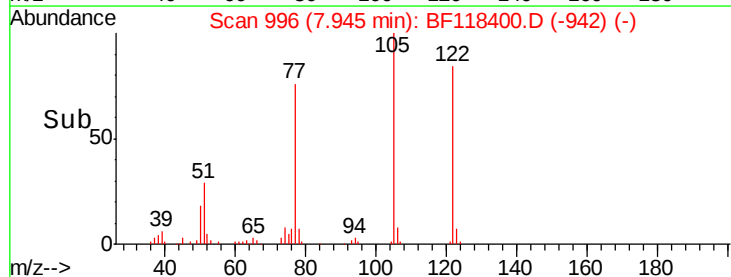
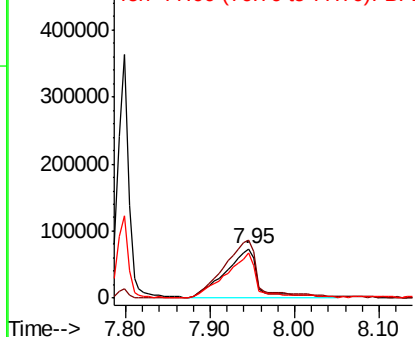


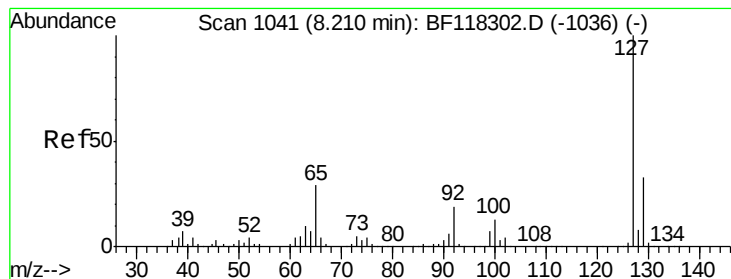
#32
Benzoic acid
Concen: 33.228 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:122 Resp: 192869
Ion Ratio Lower Upper
122 100
105 118.7 106.8 146.8
77 91.4 70.4 110.4



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

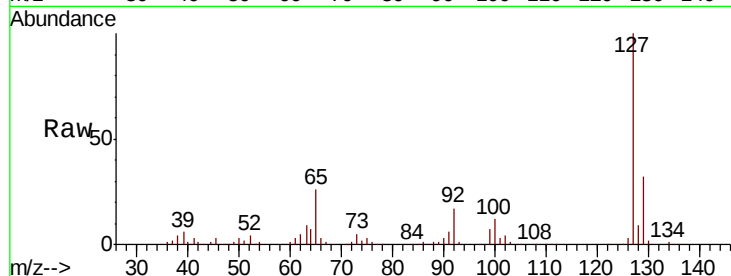




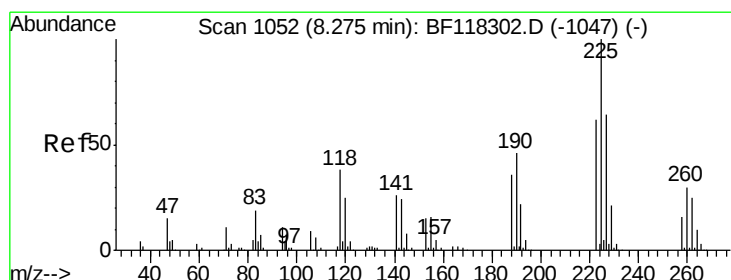
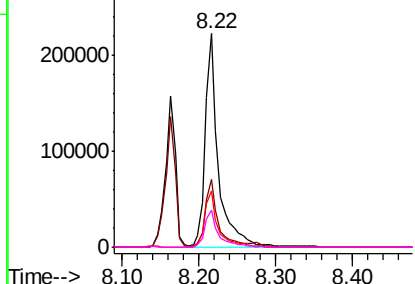
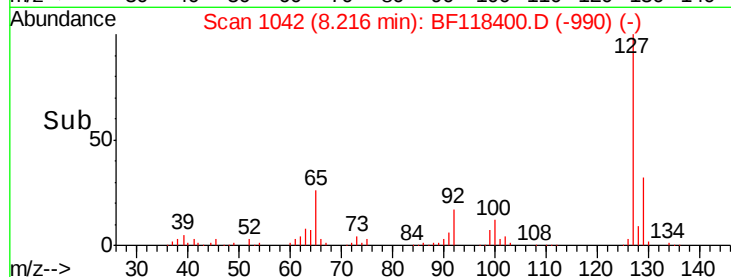
#33
4-Chloroaniline
Concen: 21.114 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	265687
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.5	39.7
65	26.4	22.8	34.2
92	17.4	15.5	23.3

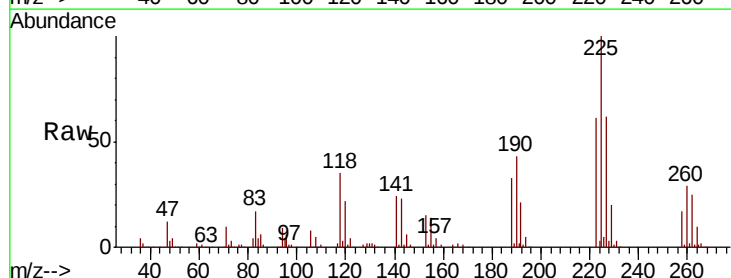


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

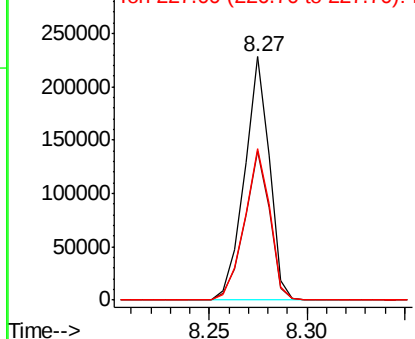
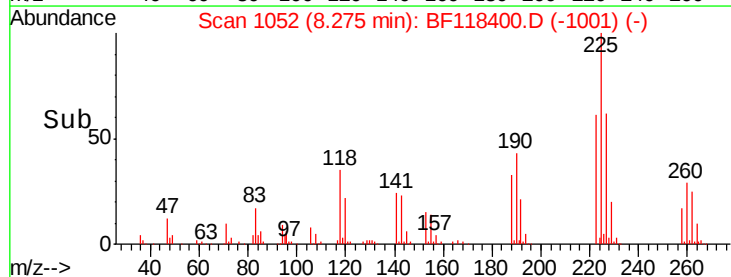


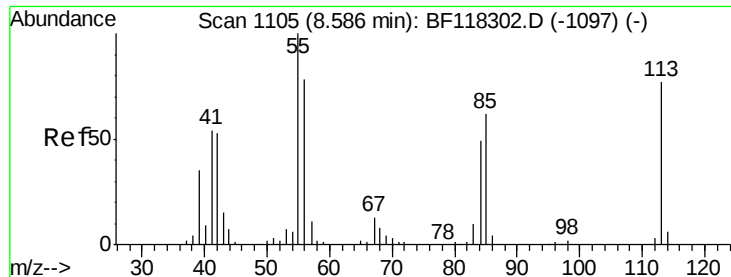
#34
Hexachlorobutadiene
Concen: 34.544 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:	225	Resp:	201527
Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.5	74.3
227	62.1	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

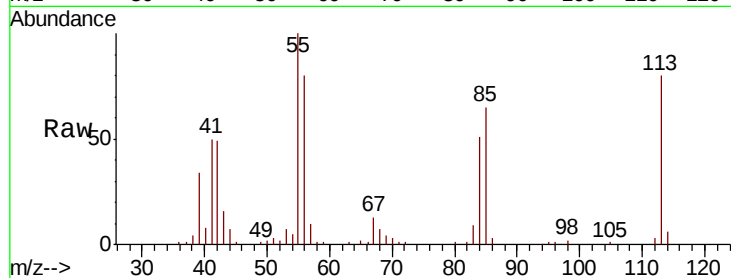




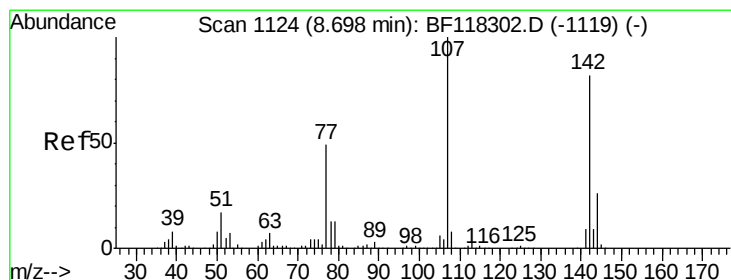
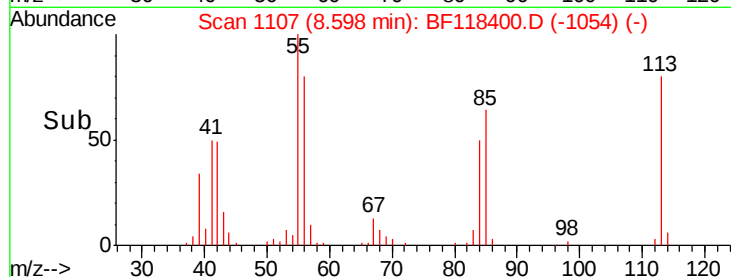
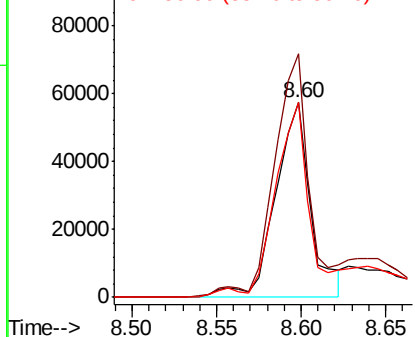
#35
 Caprolactam
 Concen: 31.512 ng
 RT: 8.60 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 82769
 Ion Ratio Lower Upper
 113 100
 55 125.2 109.8 149.8
 56 100.3 81.7 121.7

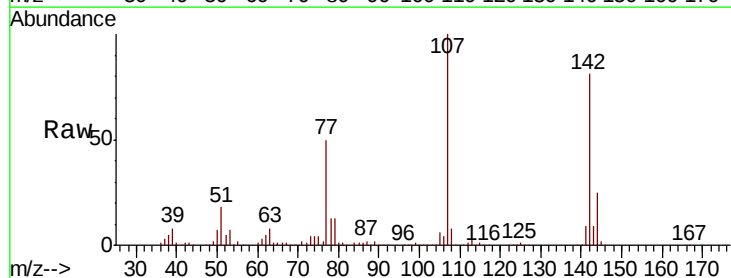


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

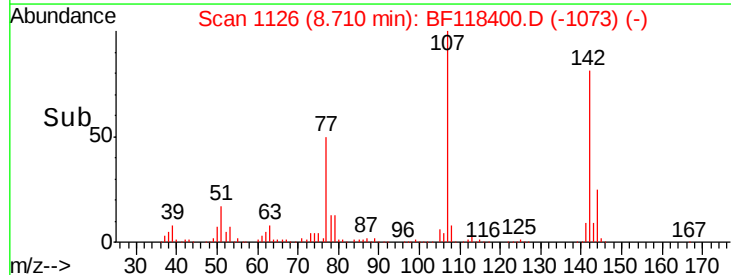
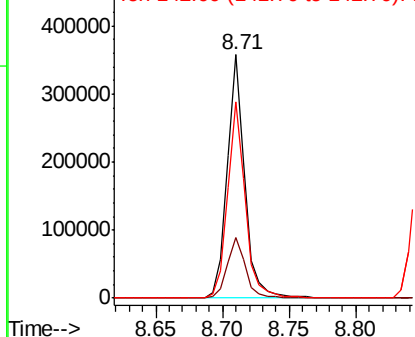


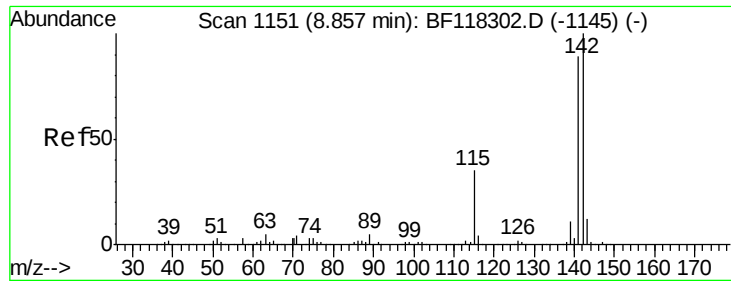
#36
 4-Chloro-3-methylphenol
 Concen: 36.916 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion:107 Resp: 333454
 Ion Ratio Lower Upper
 107 100
 144 25.1 21.2 31.8
 142 80.8 65.4 98.2



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

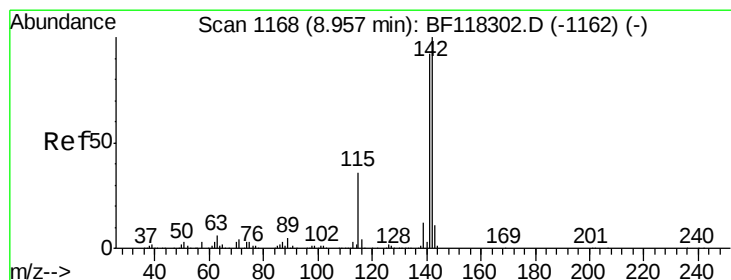
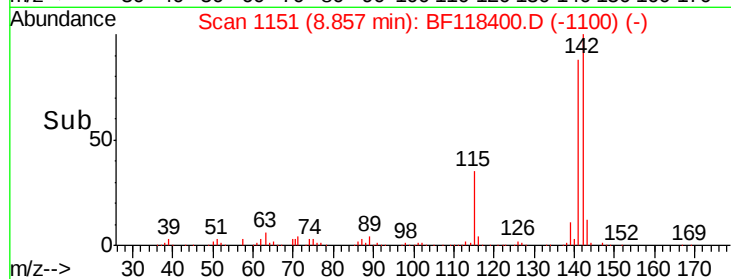
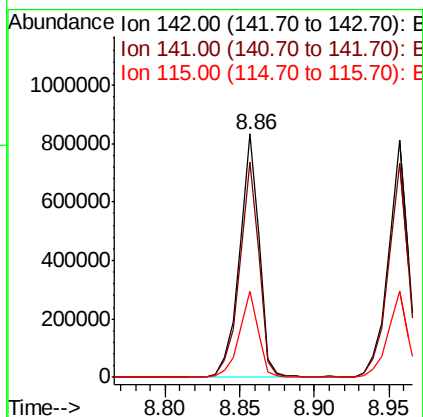
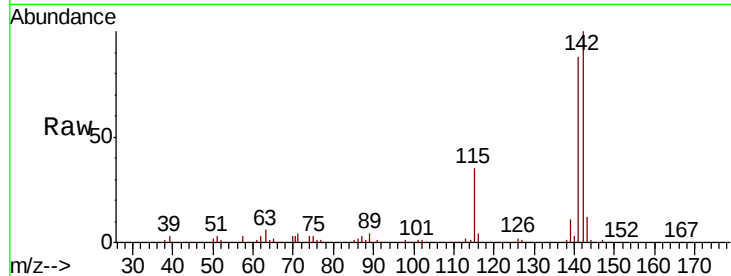




#37
2-Methylnaphthalene
Concen: 37.967 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

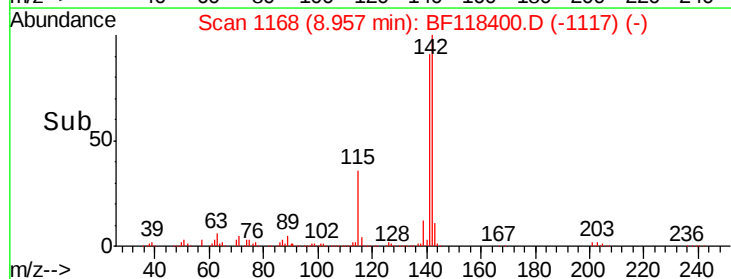
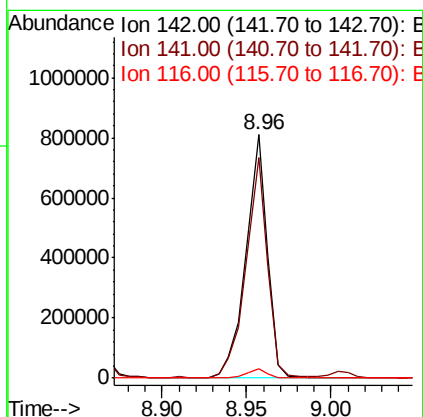
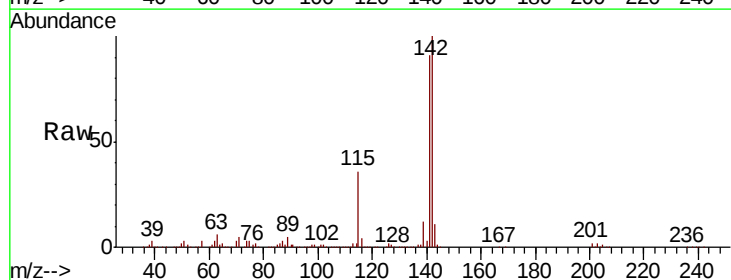
Instrument :
BNA_F
ClientSampleId :

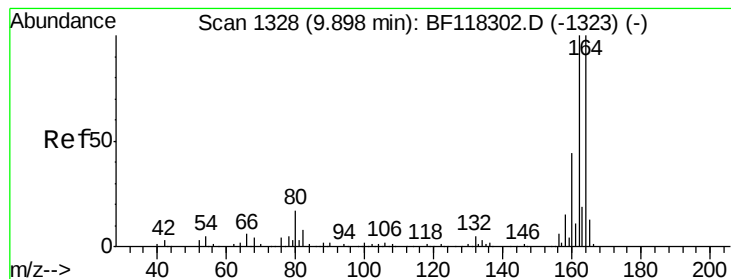
Tot Ion:142 Resp: 762995
Ion Ratio Lower Upper
142 100
141 88.3 71.2 106.8
115 35.1 28.0 42.0



#38
1-Methylnaphthalene
Concen: 37.860 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:142 Resp: 716831
Ion Ratio Lower Upper
142 100
141 90.6 73.4 110.2
116 3.8 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

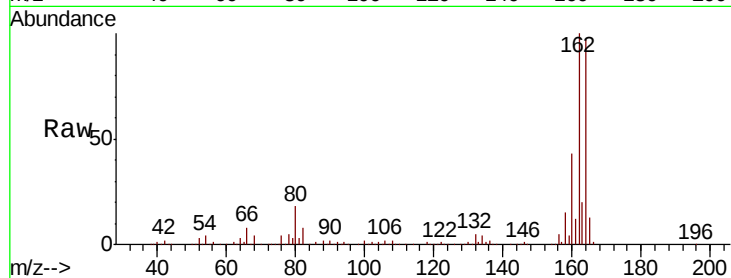
Tot Ion:164 Resp: 310175

Ion Ratio Lower Upper

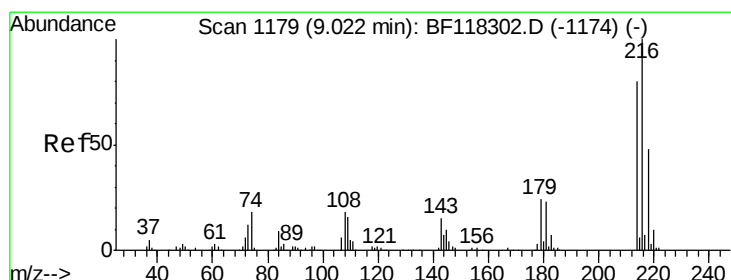
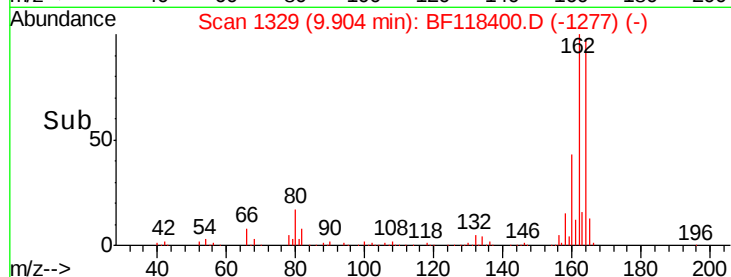
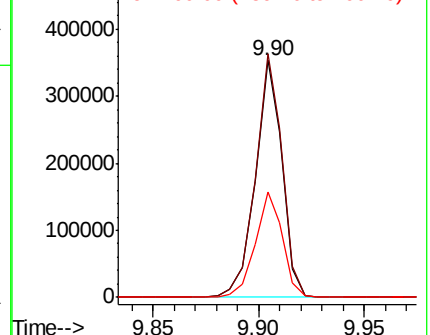
164 100

162 102.8 80.0 120.0

160 44.4 34.8 52.2



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: 35.332 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Tgt Ion:216 Resp: 329277

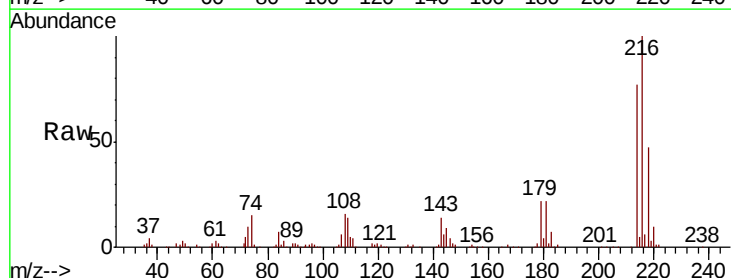
Ion Ratio Lower Upper

216 100

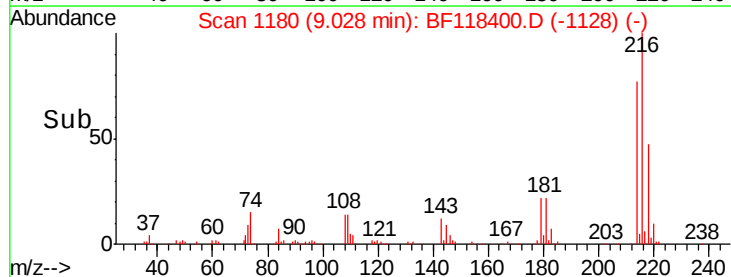
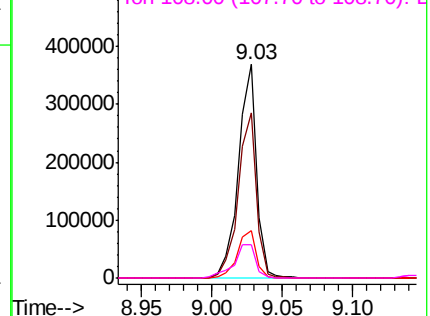
214 78.4 63.3 94.9

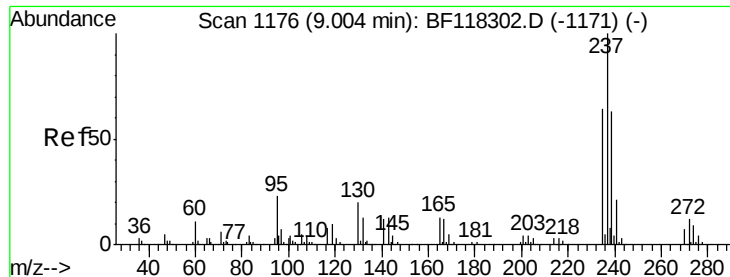
179 23.1 18.9 28.3

108 19.2 15.0 22.6



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: 43.910 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampled :

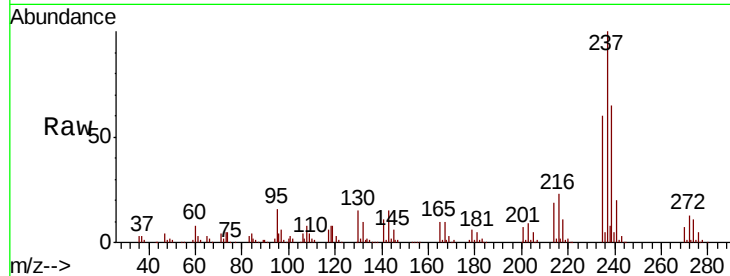
Tot Ion:237 Resp: 154278

Ion Ratio Lower Upper

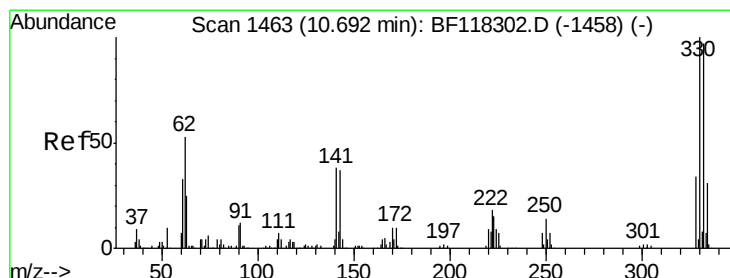
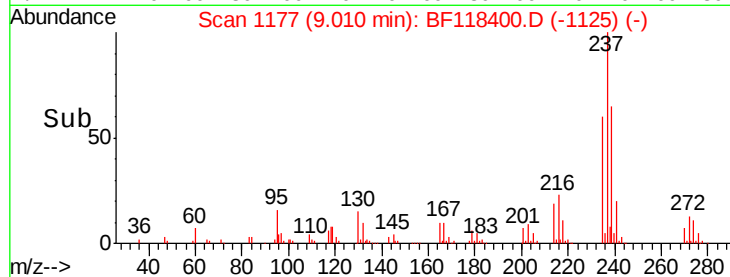
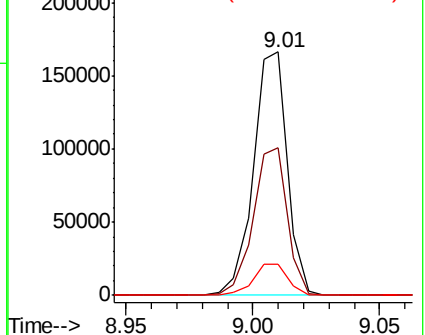
237 100

235 60.4 43.8 83.8

272 12.8 0.0 31.7



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: 100.056 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

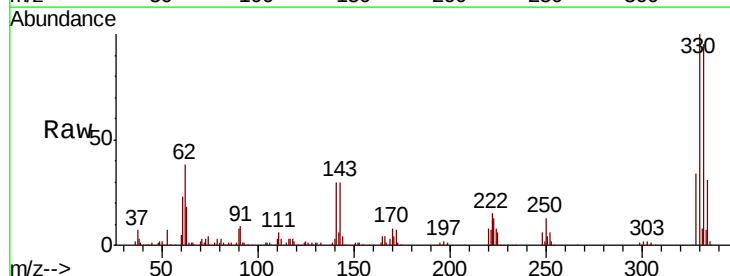
Tgt Ion:330 Resp: 383257

Ion Ratio Lower Upper

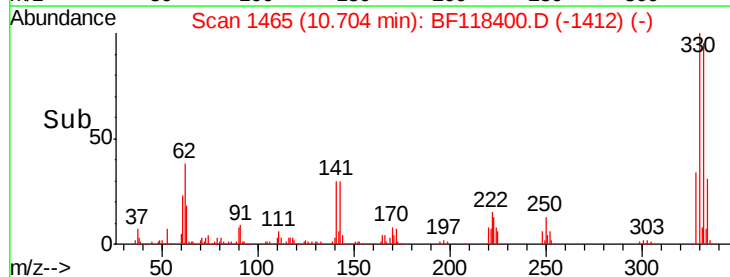
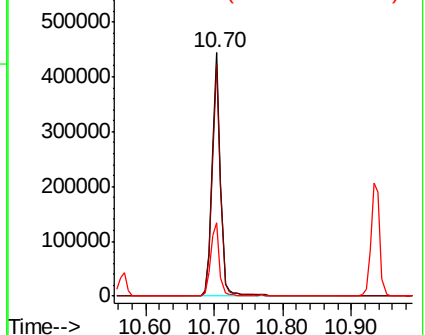
330 100

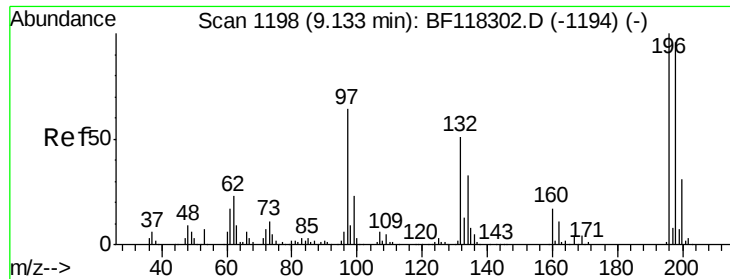
332 95.2 76.6 114.8

141 31.7 26.0 39.0



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

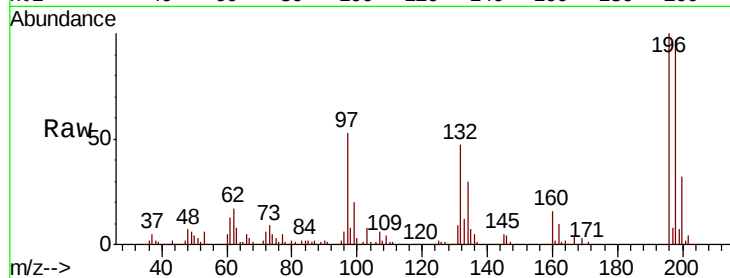




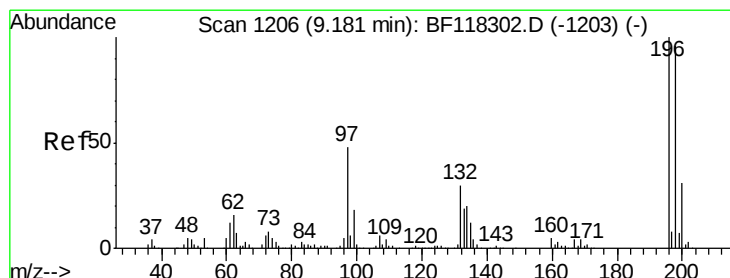
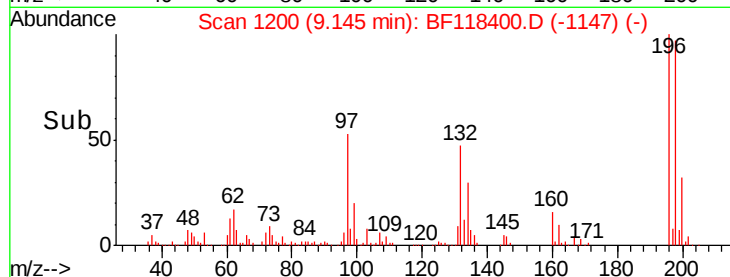
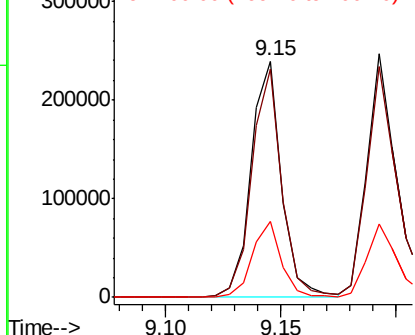
#43
 2,4,6-Trichlorophenol
 Concen: 35.560 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 221398
 Ion Ratio Lower Upper
 196 100
 198 96.5 76.7 115.1
 200 32.3 24.8 37.2

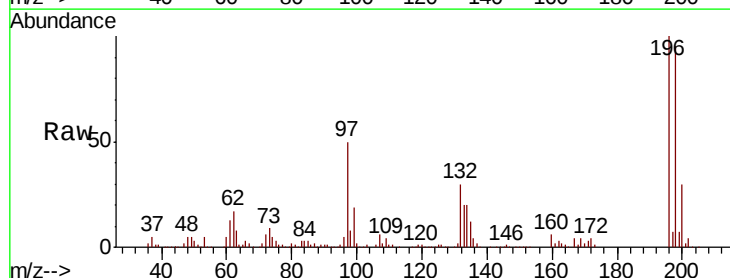


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

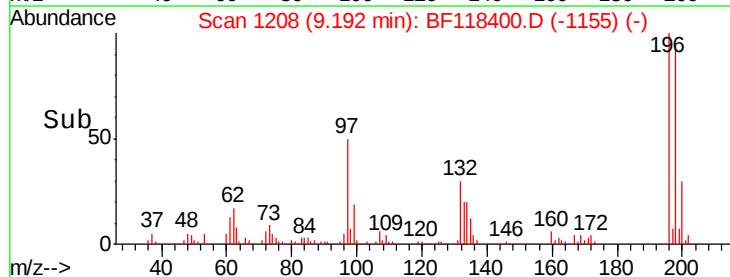
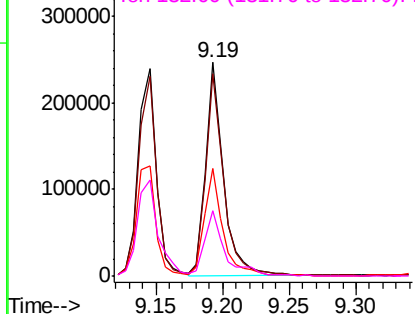


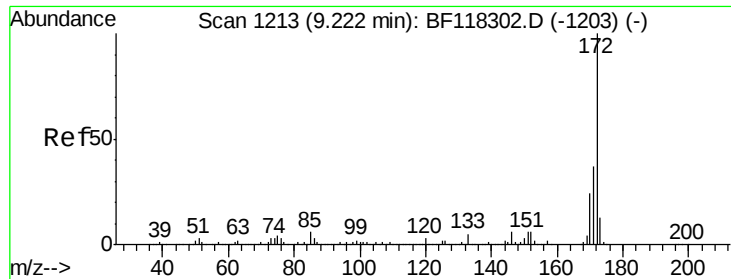
#44
 2,4,5-Trichlorophenol
 Concen: 36.312 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion:196 Resp: 232568
 Ion Ratio Lower Upper
 196 100
 198 94.8 77.0 115.4
 97 50.2 38.9 58.3
 132 30.3 23.9 35.9



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





#45

2-Fluorobiphenyl

Concen: 71.536 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

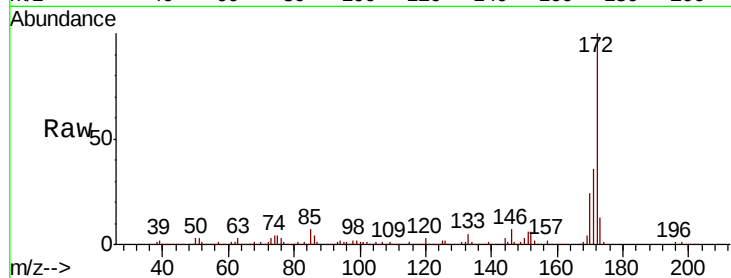
Tot Ion:172 Resp: 1453603

Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

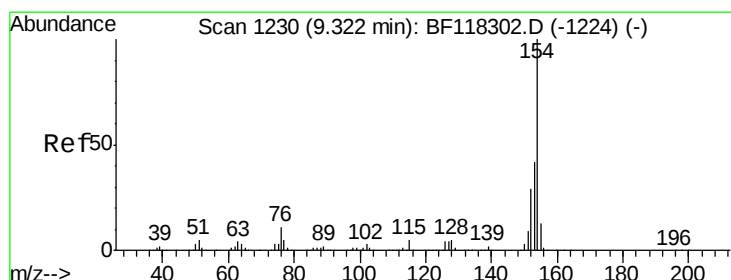
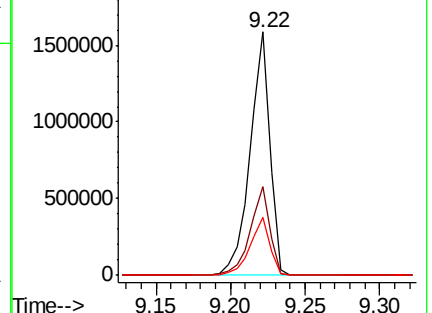
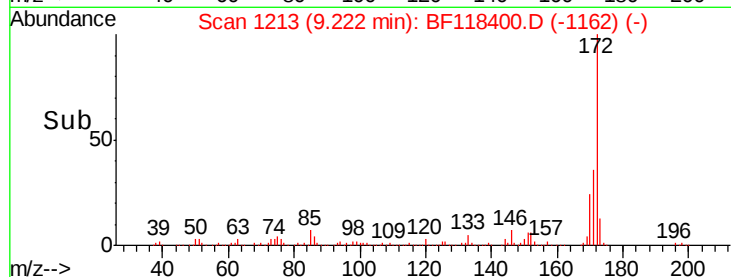
170 24.0 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 36.455 ng

RT: 9.32 min Scan# 1230

Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

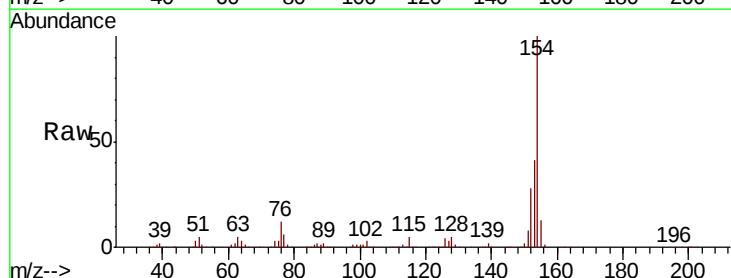
Tgt Ion:154 Resp: 894357

Ion Ratio Lower Upper

154 100

153 40.5 21.8 61.8

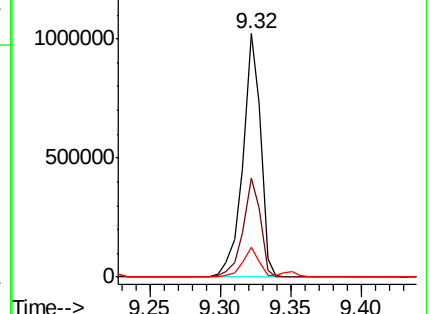
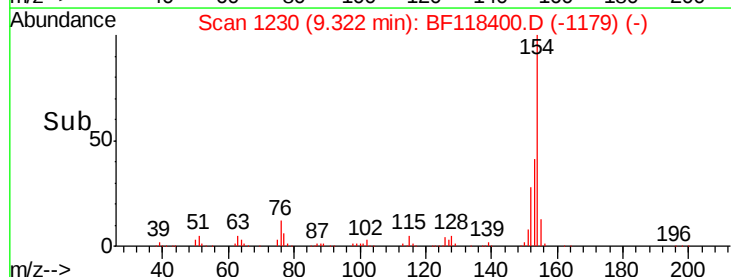
76 12.4 0.0 30.9

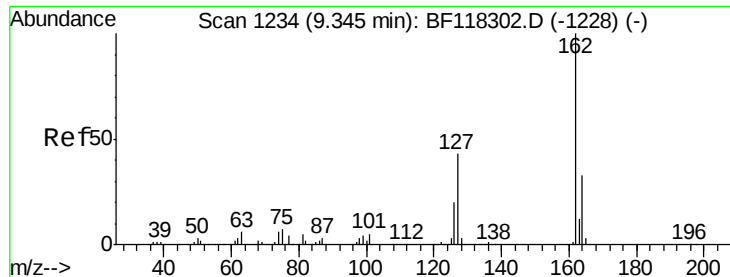


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

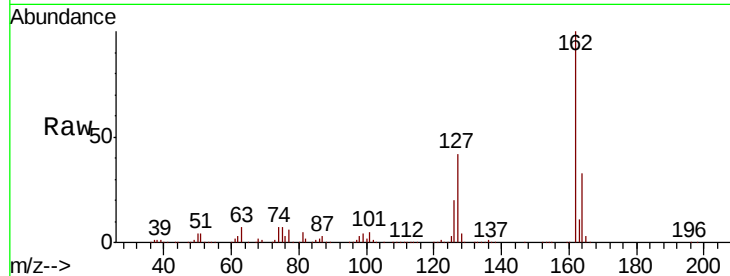




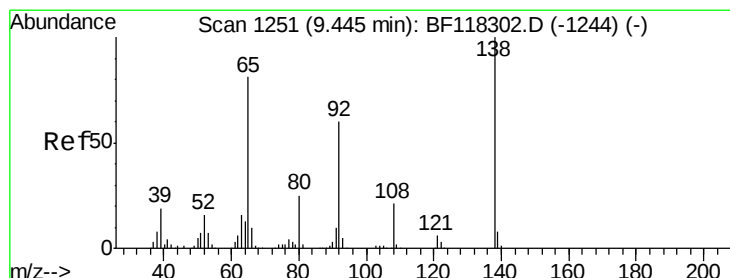
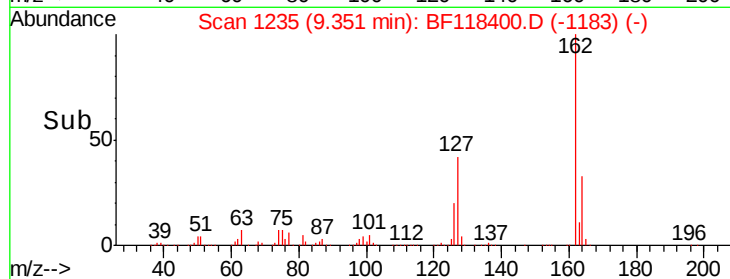
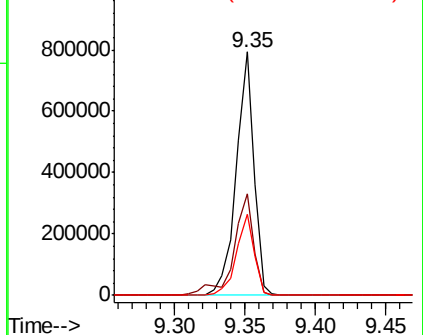
#47
 2-Chloronaphthalene
 Concen: 35.192 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	162	Resp:	694862
Ion	Ratio	Lower	Upper
162	100		
127	41.8	35.0	52.4
164	33.3	26.6	40.0

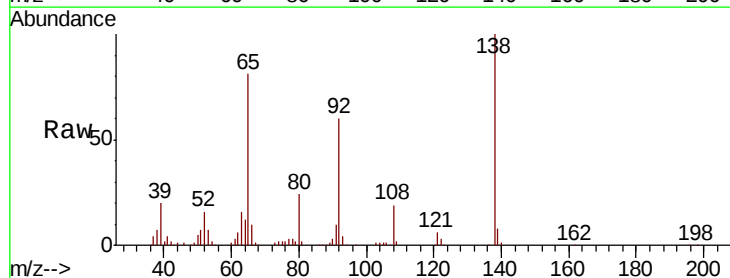


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

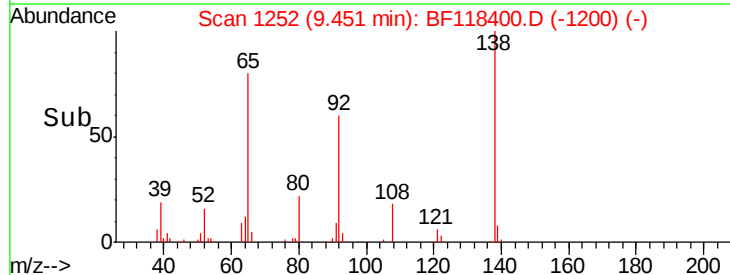
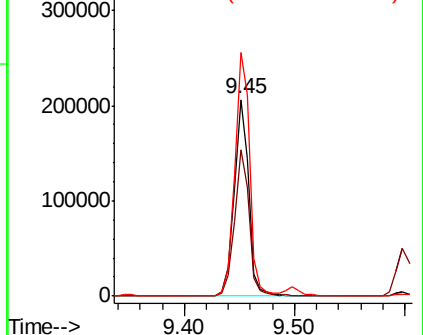


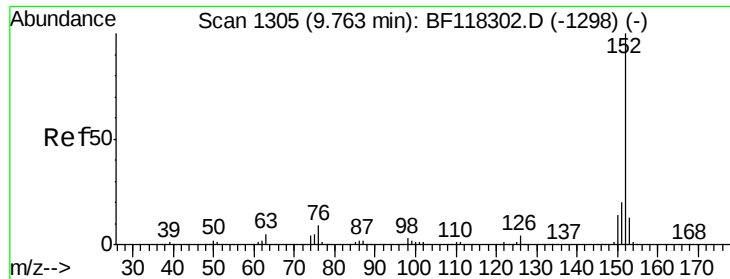
#48
 2-Nitroaniline
 Concen: 34.430 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion:	65	Resp:	192021
Ion	Ratio	Lower	Upper
65	100		
92	74.7	58.7	88.1
138	124.1	98.5	147.7



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: 37.514 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

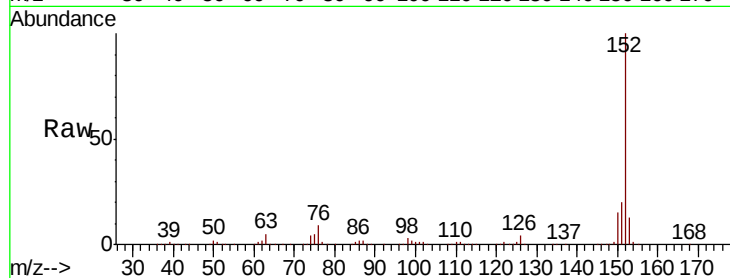
Instrument :

BNA_F

ClientSampleId :

Tot Ion:152 Resp: 1098563

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2
153	13.0	10.5	15.7

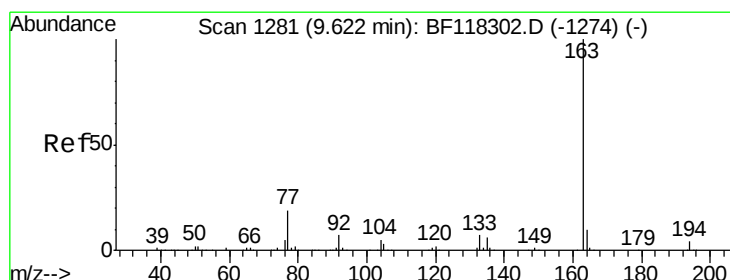
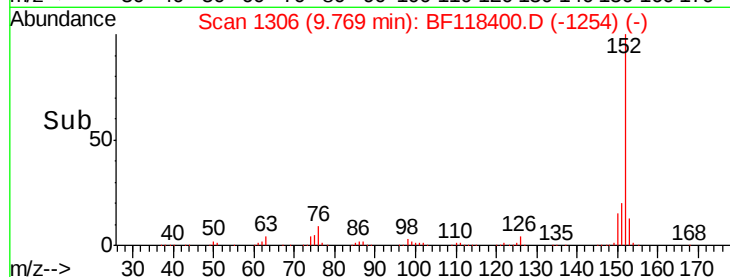
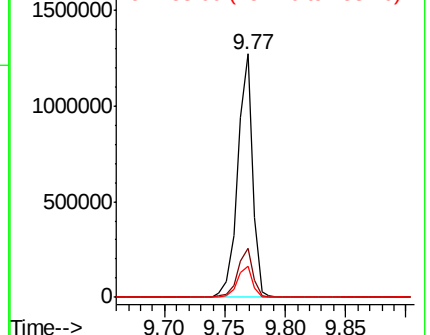


Abundance

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: 35.865 ng

RT: 9.62 min Scan# 1281

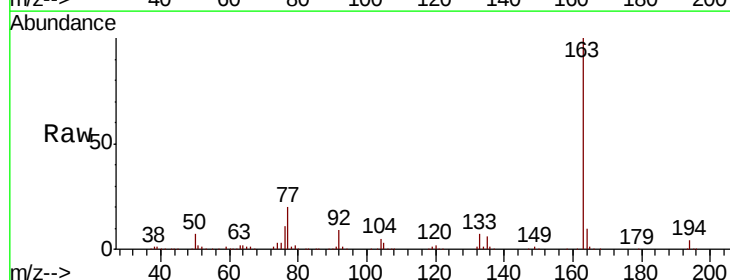
Delta R.T. 0.00 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Tgt Ion:163 Resp: 835035

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.3	7.9	11.9

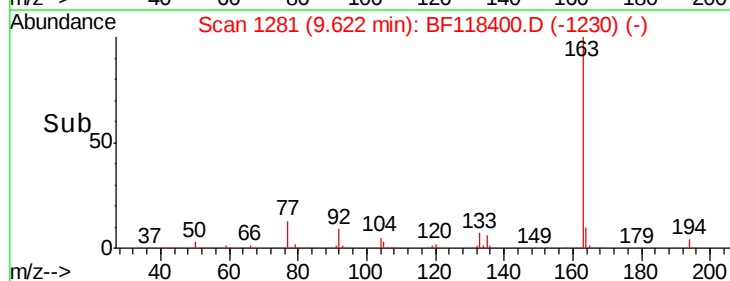
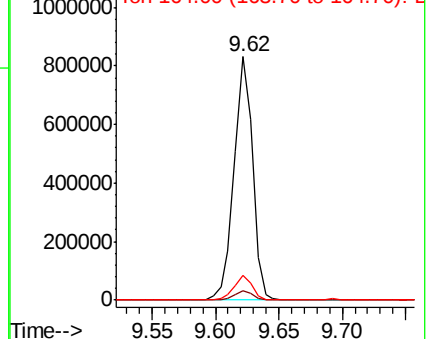


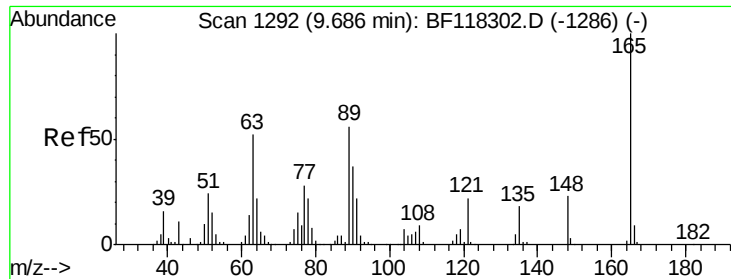
Abundance

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: 36.793 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

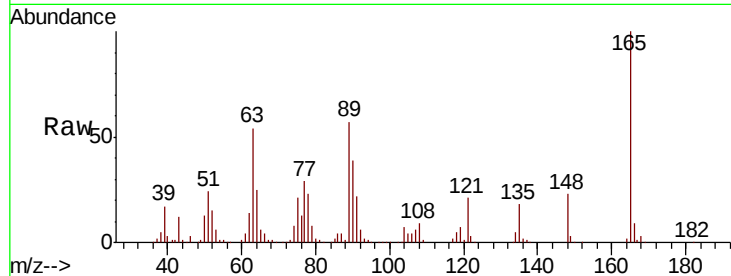
Tot Ion:165 Resp: 184689

Ion Ratio Lower Upper

165 100

63 53.6 42.2 63.4

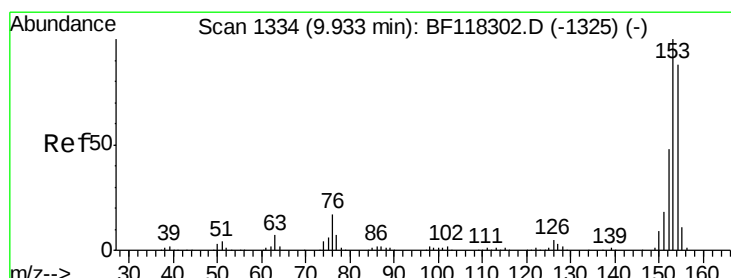
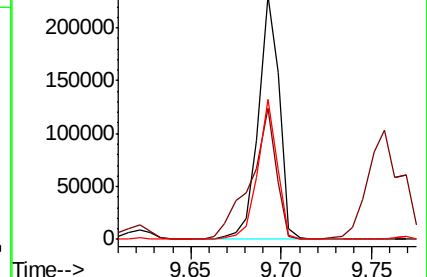
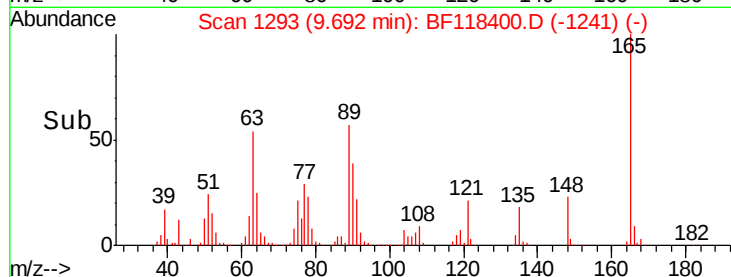
89 57.5 44.4 66.6



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



#52

Acenaphthene

Concen: 36.405 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

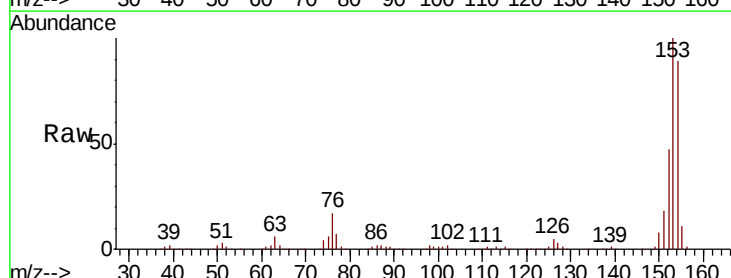
Tgt Ion:154 Resp: 649354

Ion Ratio Lower Upper

154 100

153 112.0 90.6 136.0

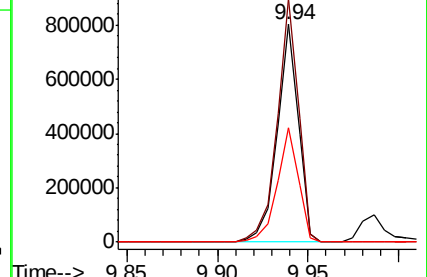
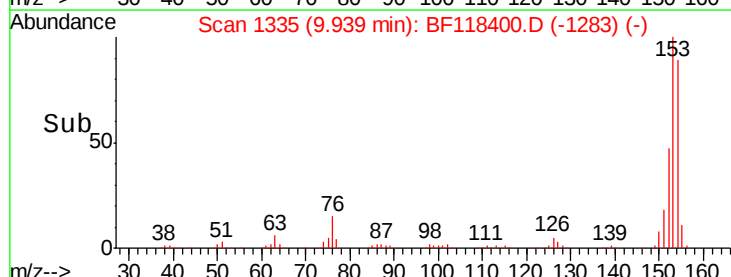
152 52.7 43.1 64.7

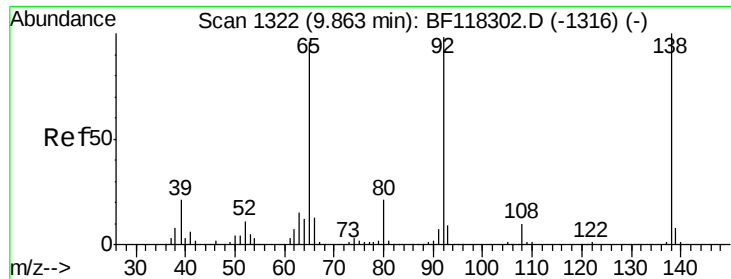


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

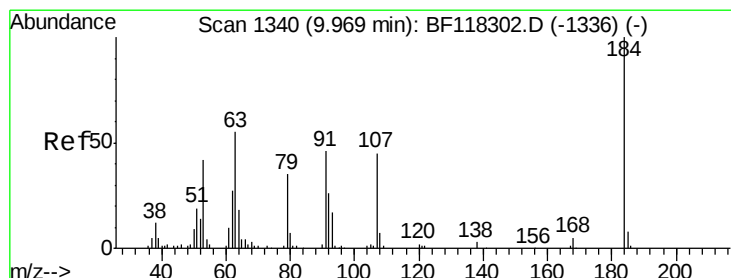
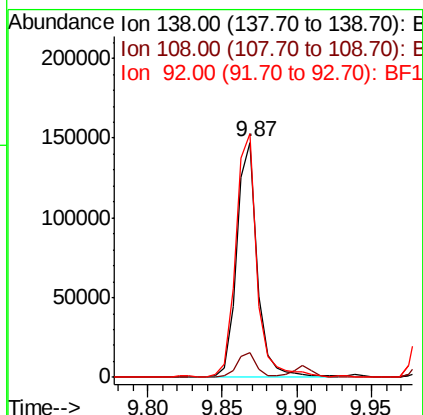
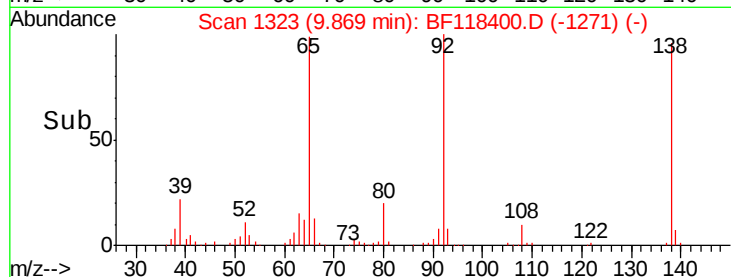
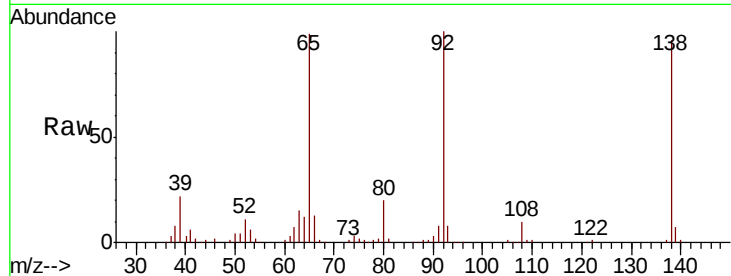




#53
3-Nitroaniline
Concen: 24.323 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

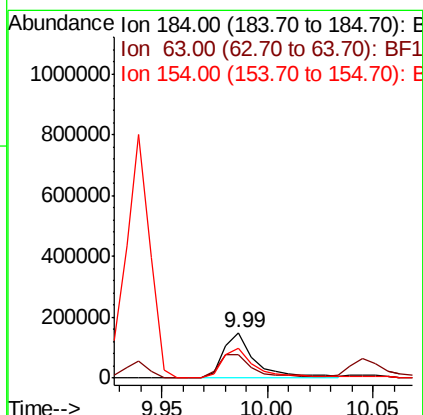
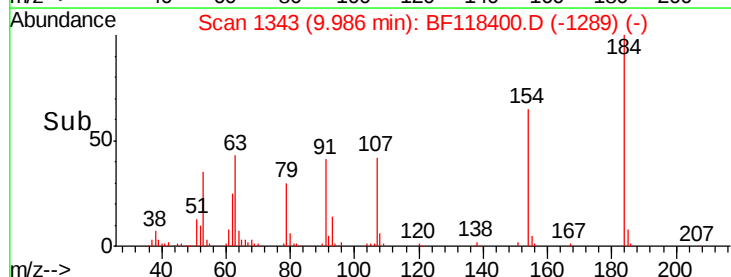
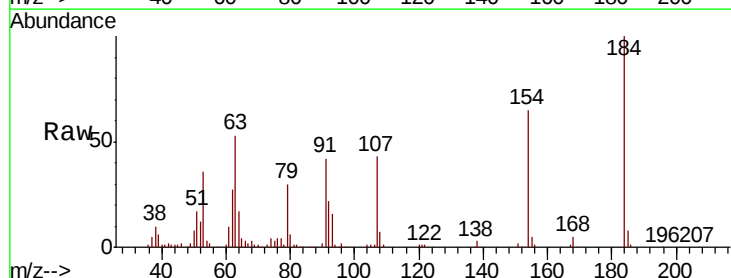
Instrument :
BNA_F
ClientSampleId :

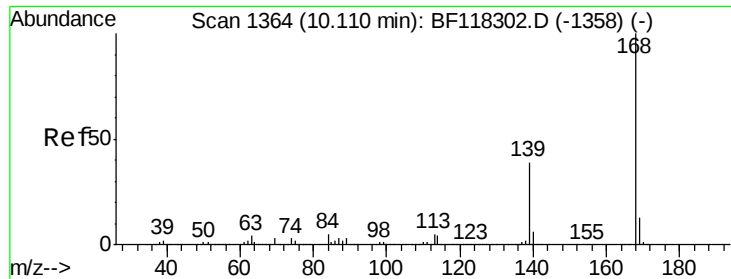
Tot Ion:138 Resp: 143300
Ion Ratio Lower Upper
138 100
108 10.3 7.8 11.8
92 103.7 78.2 117.2



#54
2,4-Dinitrophenol
Concen: 64.147 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.02 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:184 Resp: 159571
Ion Ratio Lower Upper
184 100
63 52.5 48.8 73.2
154 65.4 55.0 82.4

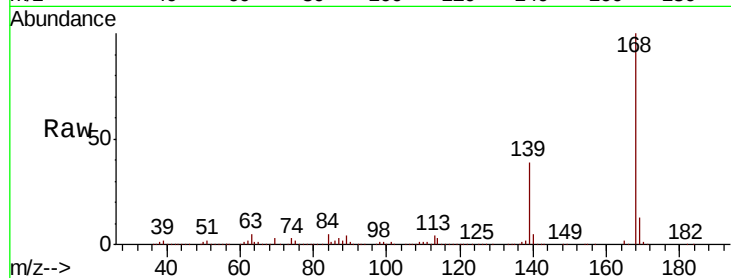




#55
Dibenzofuran
Concen: 36.996 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.5	47.3
169	13.1	10.4	15.6

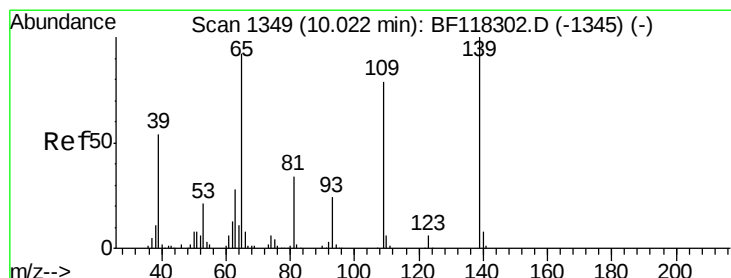
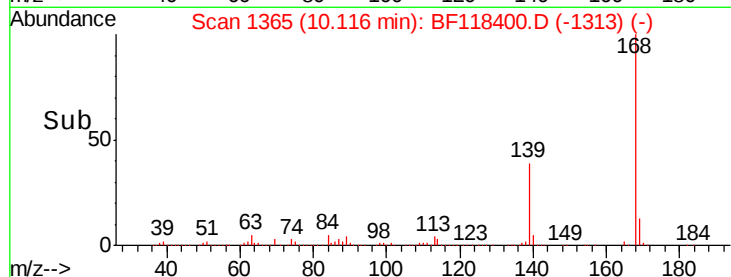
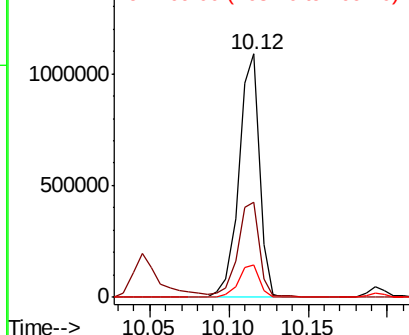


Abundance

Ion 168.00 (167.70 to 168.70): E

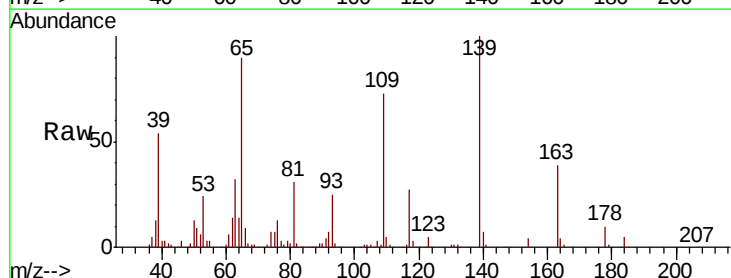
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 62.235 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.5	59.3	99.3
65	89.7	72.4	112.4

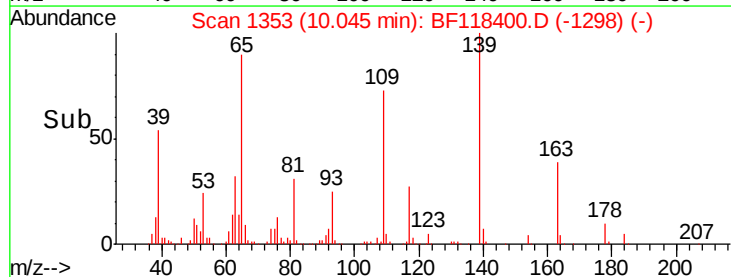
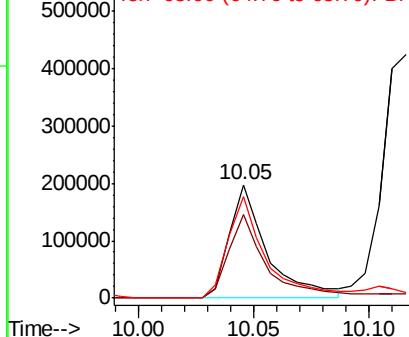


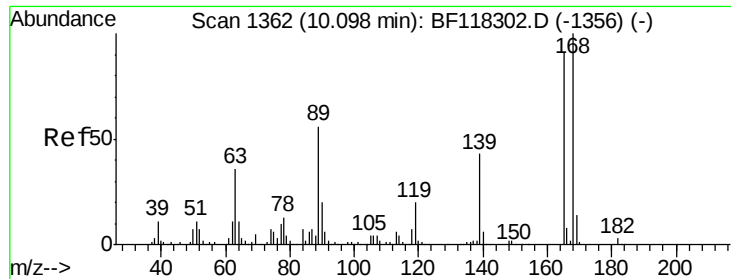
Abundance

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

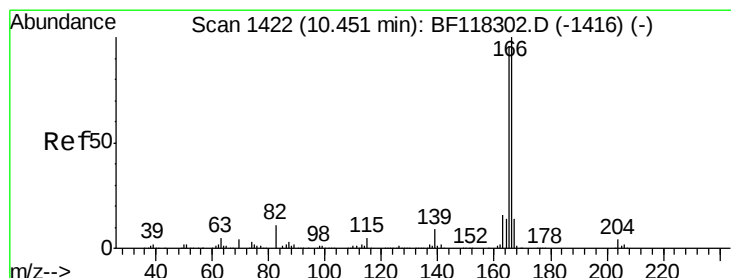
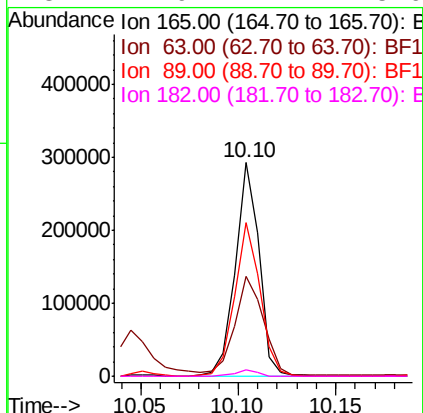
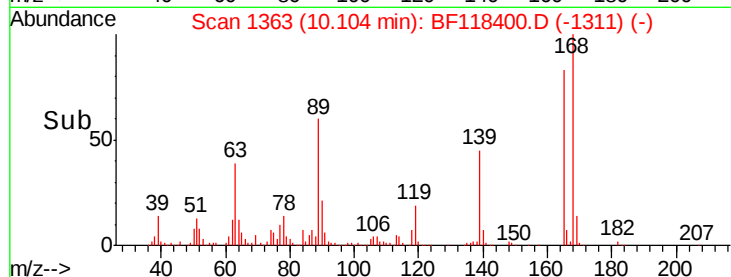
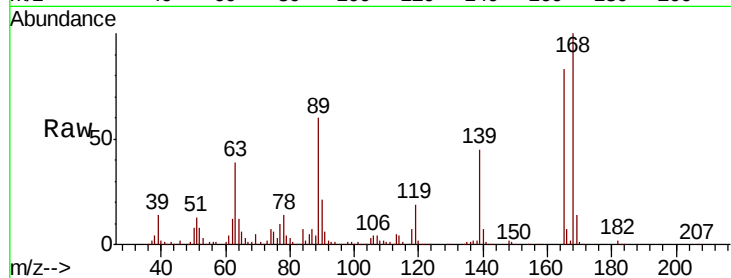




#57
2,4-Dinitrotoluene
Concen: 36.838 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

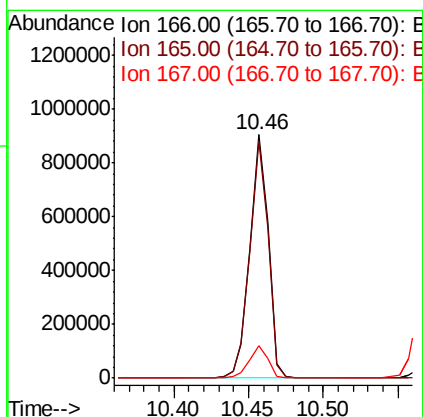
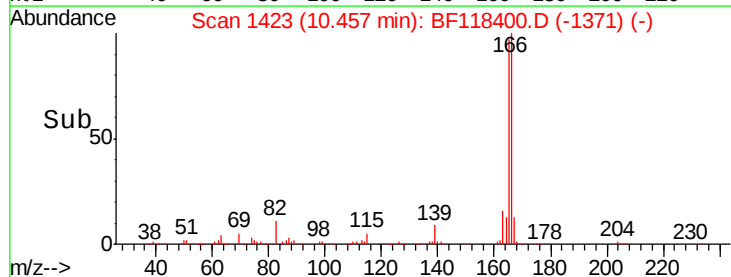
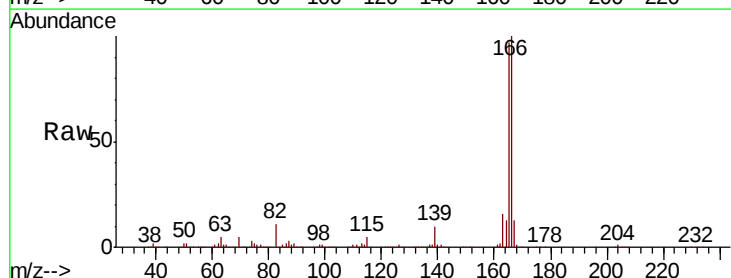
Instrument :
BNA_F
ClientSampled :

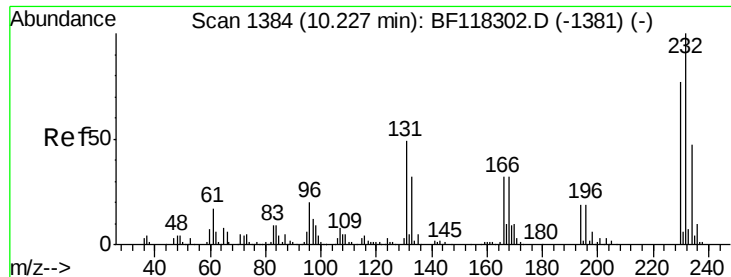
Tot Ion:165 Resp: 247083
Ion Ratio Lower Upper
165 100
63 46.5 32.0 48.0
89 71.8 49.3 73.9
182 2.9 2.4 3.6



#58
Fluorene
Concen: 36.426 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:166 Resp: 775001
Ion Ratio Lower Upper
166 100
165 97.3 77.0 115.4
167 13.1 10.9 16.3

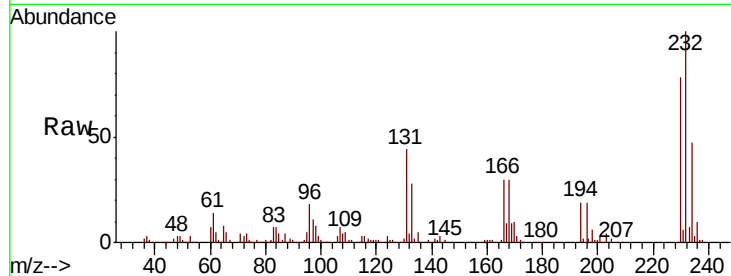




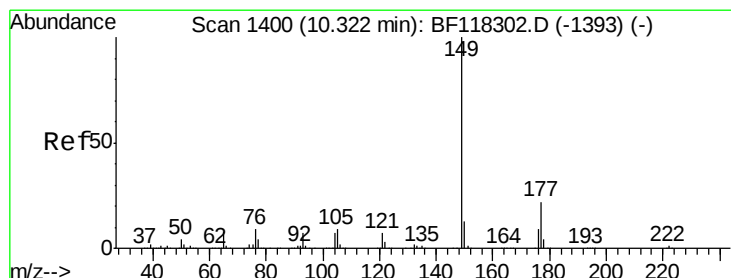
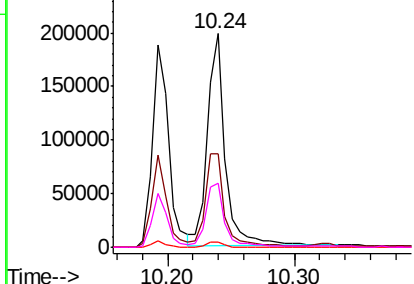
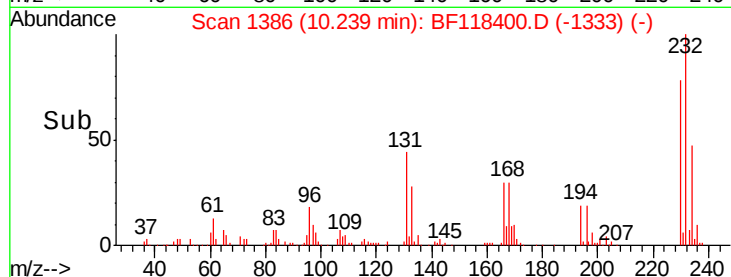
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 36.055 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:232 Resp: 196211
 Ion Ratio Lower Upper
 232 100
 131 46.2 37.7 56.5
 130 2.4 2.0 3.0
 166 31.5 24.7 37.1

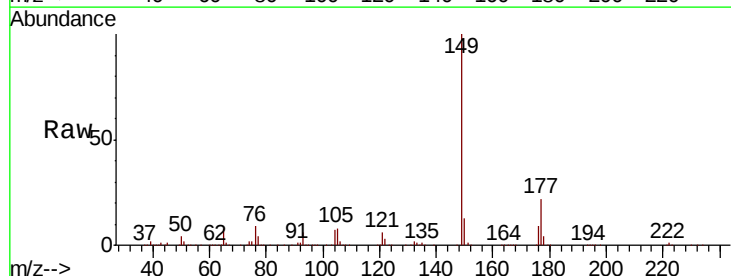


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

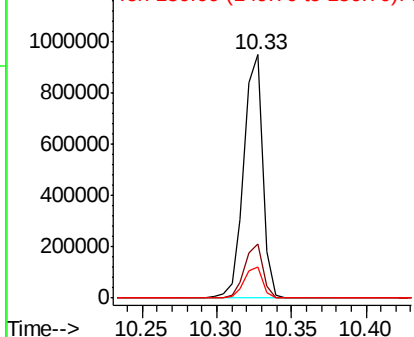
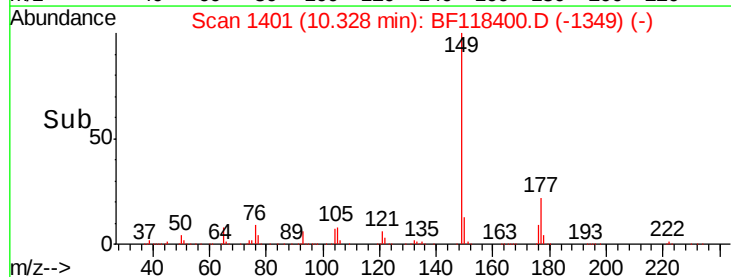


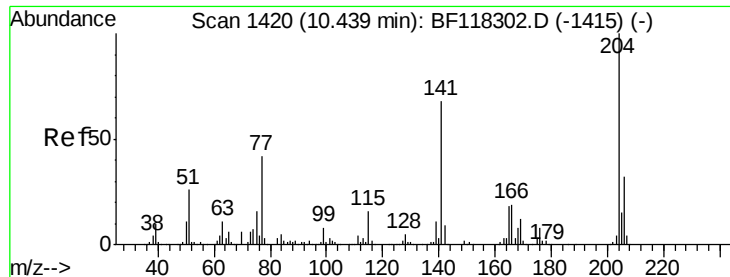
#60
 Diethylphthalate
 Concen: 36.408 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion:149 Resp: 838625
 Ion Ratio Lower Upper
 149 100
 177 22.3 17.9 26.9
 150 12.5 10.2 15.2



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

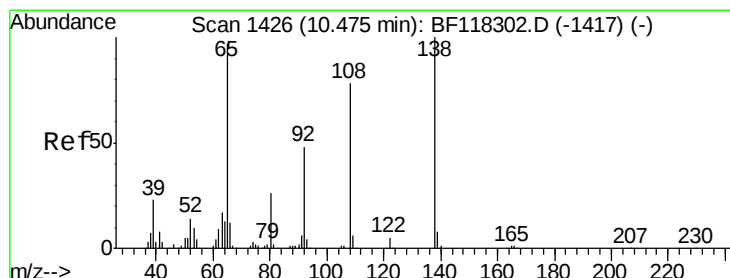
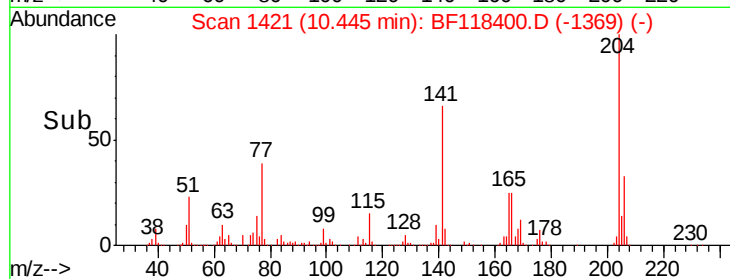
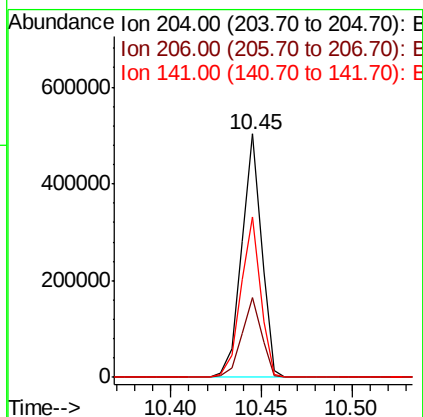
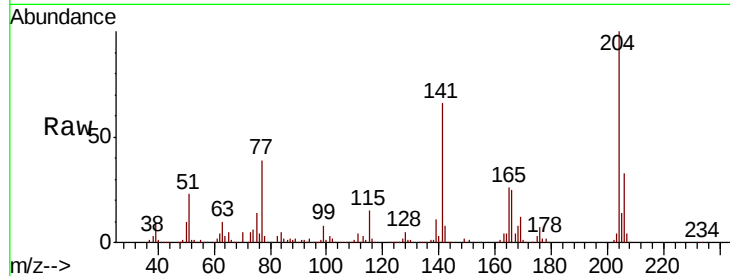




#61
 4-Chlorophenyl-phenylether
 Concen: 36.135 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

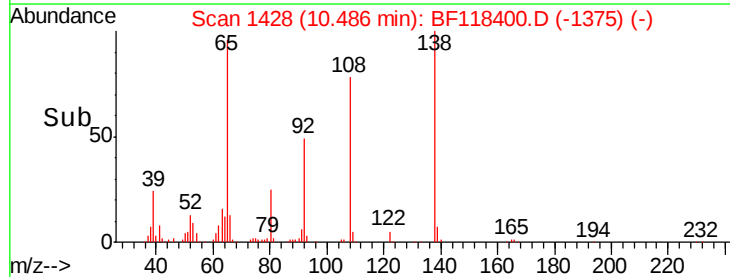
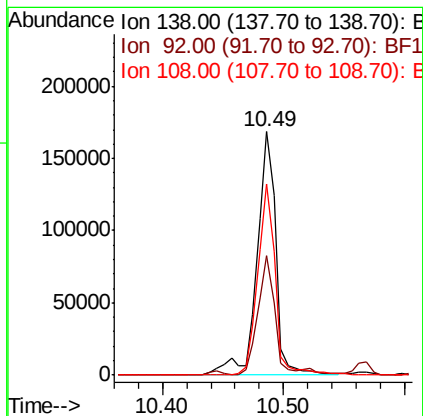
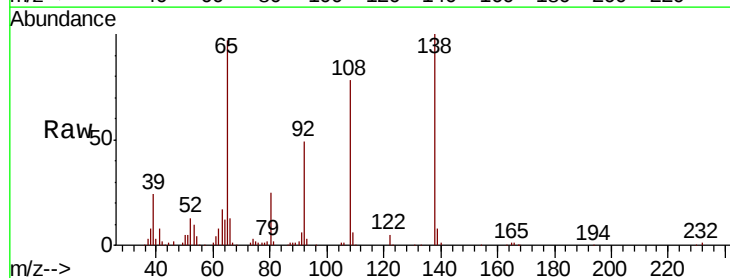
Instrument :
 BNA_F
 ClientSampleId :

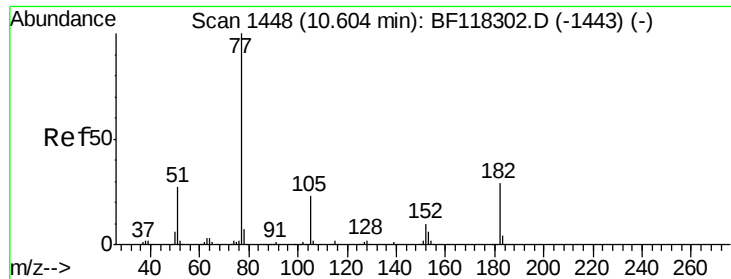
Tot Ion:204 Resp: 383788
 Ion Ratio Lower Upper
 204 100
 206 33.0 25.8 38.8
 141 66.1 54.2 81.4



#62
 4-Nitroaniline
 Concen: 30.162 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion:138 Resp: 184602
 Ion Ratio Lower Upper
 138 100
 92 49.1 27.9 67.9
 108 78.5 58.1 98.1

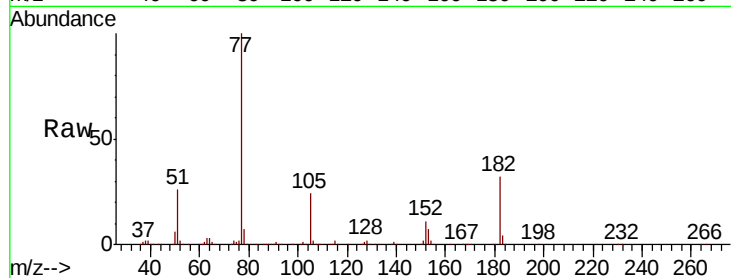




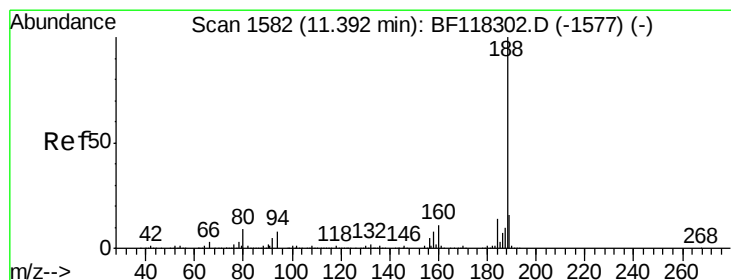
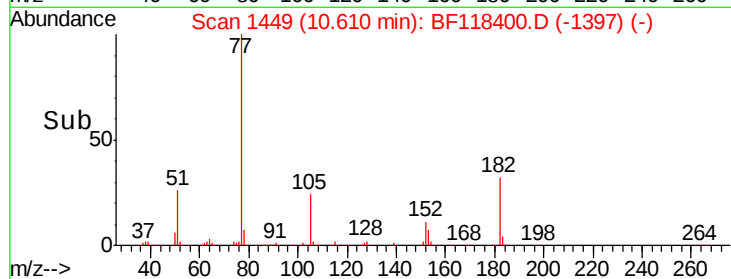
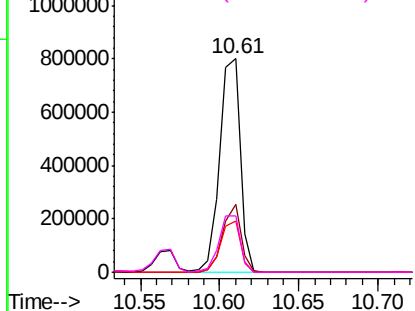
#63
Azobenzene
Concen: 36.728 ng
RT: 10.61 min Scan# 1449
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	77	Resp:	724638
Ion	Ratio	Lower	Upper
77	100		
182	31.5	9.2	49.2
105	23.7	3.2	43.2
51	26.2	7.1	47.1

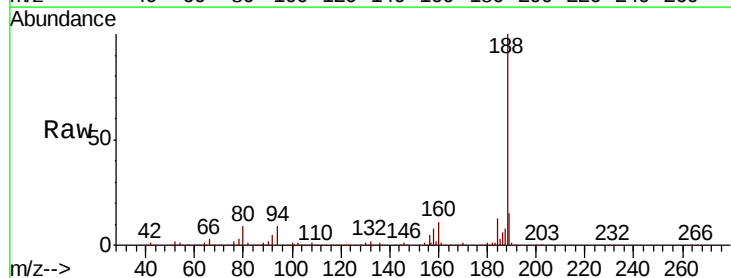


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

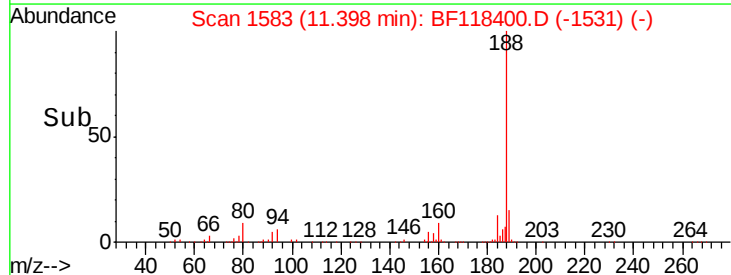
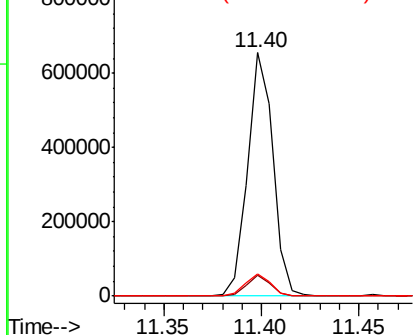


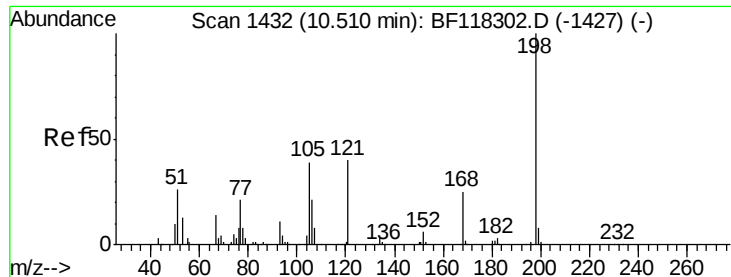
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:	188	Resp:	590505
Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.7	10.1
80	9.3	7.2	10.8



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





#65

4,6-Dinitro-2-methylphenol

Concen: 39.152 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampled :

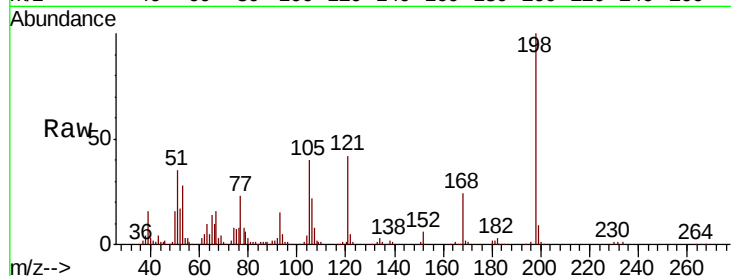
Tot Ion:198 Resp: 124721

Ion Ratio Lower Upper

198 100

51 35.2 12.8 52.8

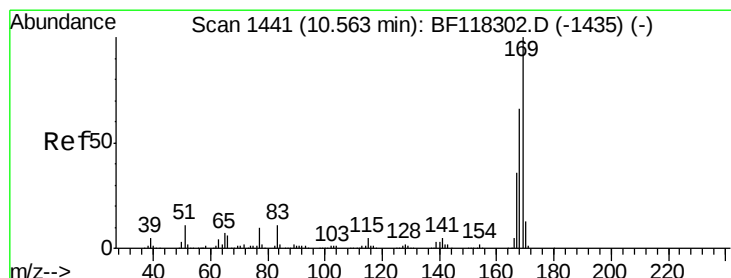
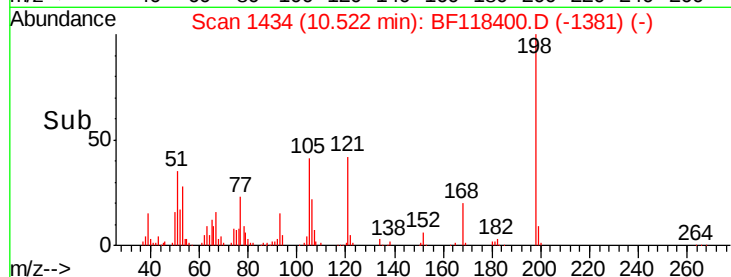
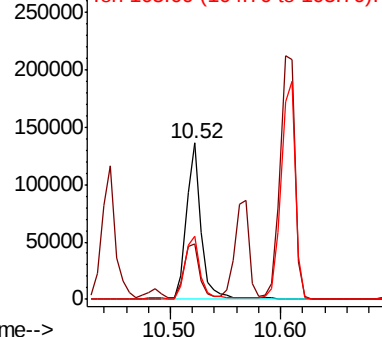
105 40.3 20.3 60.3



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: 36.226 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

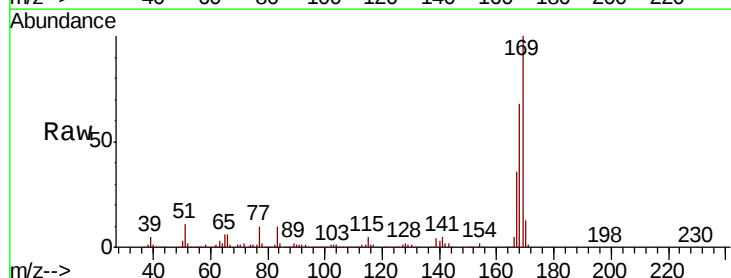
Tgt Ion:169 Resp: 685592

Ion Ratio Lower Upper

169 100

168 67.6 52.6 79.0

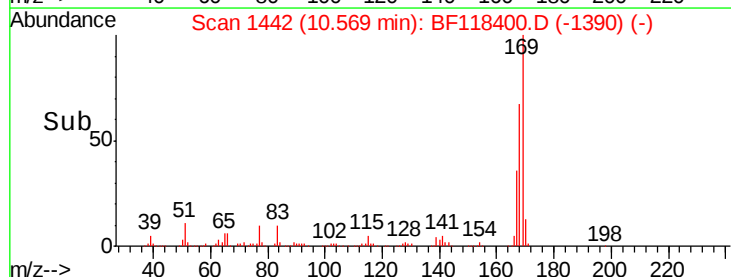
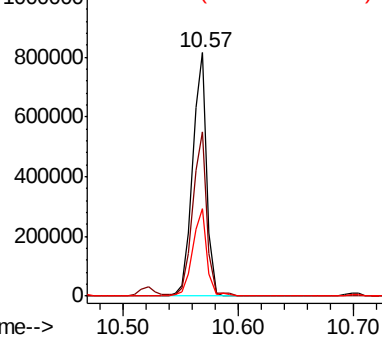
167 36.1 28.4 42.6

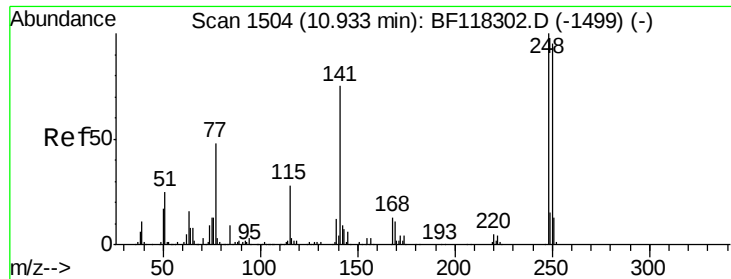


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

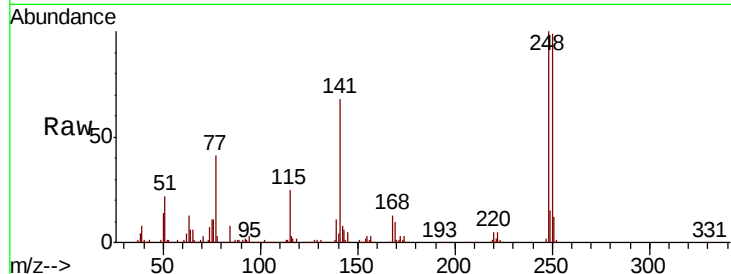




#67
4-Bromophenyl-phenylether
Concen: 34.476 ng
RT: 10.94 min Scan# 1505
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.8	76.4	114.6
141	67.9	60.2	90.2

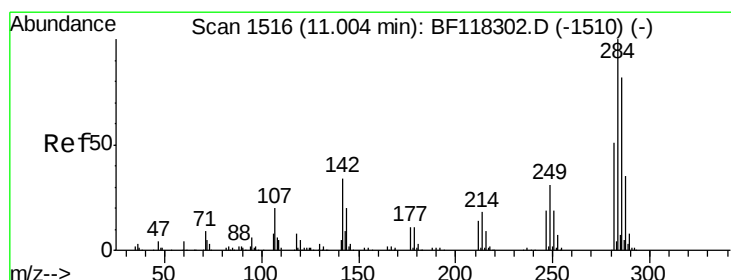
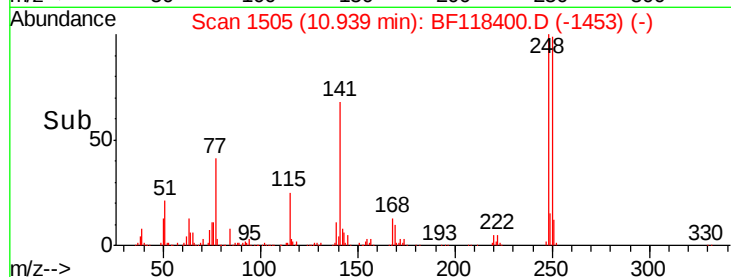
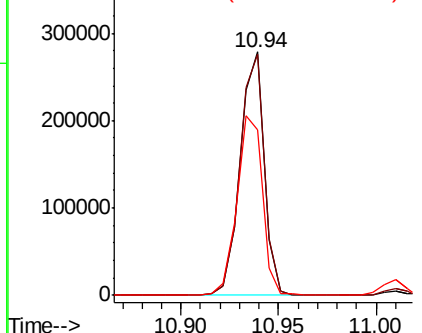


Abundance

Ion 248.00 (247.70 to 248.70): E

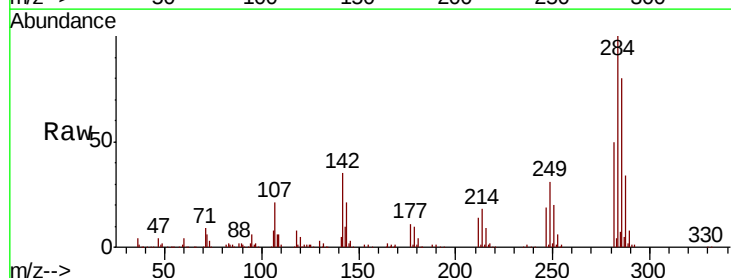
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 34.249 ng
RT: 11.01 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.9	27.3	40.9
249	30.6	25.0	37.6

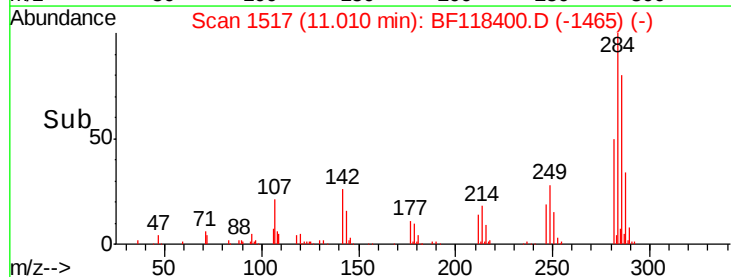
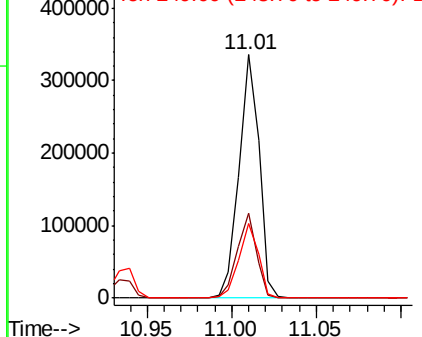


Abundance

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: 38.404 ng

RT: 11.10 min Scan# 1532

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

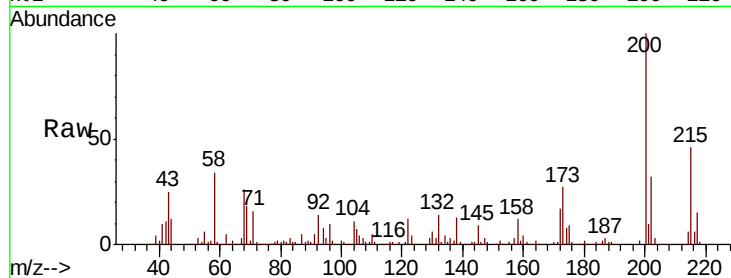
Tot Ion:200 Resp: 224321

Ion Ratio Lower Upper

200 100

173 26.8 5.8 45.8

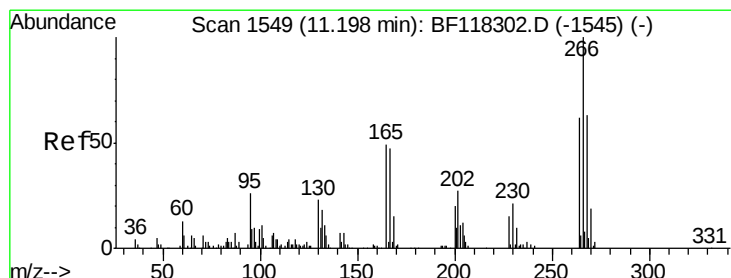
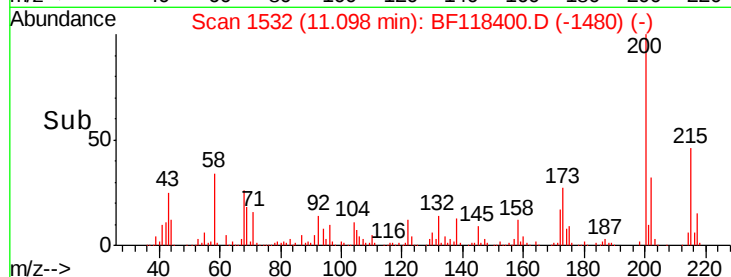
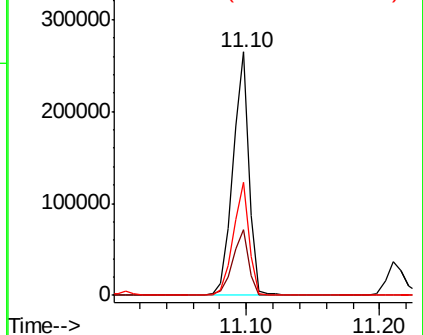
215 46.3 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 63.875 ng

RT: 11.21 min Scan# 1551

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

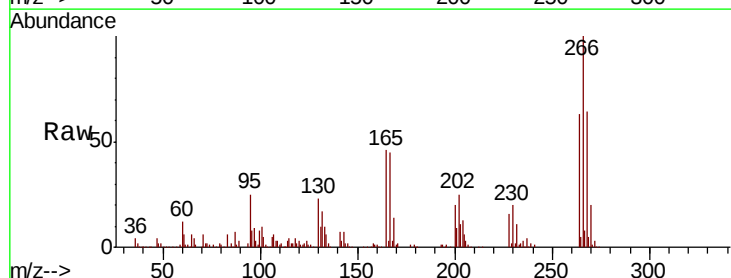
Tgt Ion:266 Resp: 225023

Ion Ratio Lower Upper

266 100

268 64.0 50.6 76.0

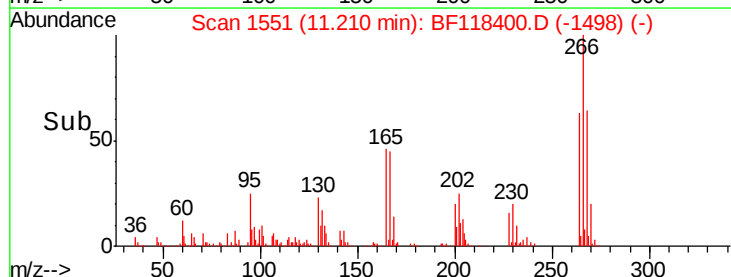
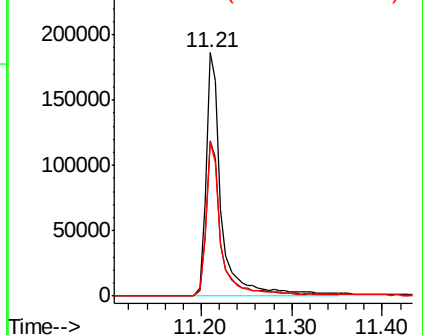
264 63.1 49.9 74.9

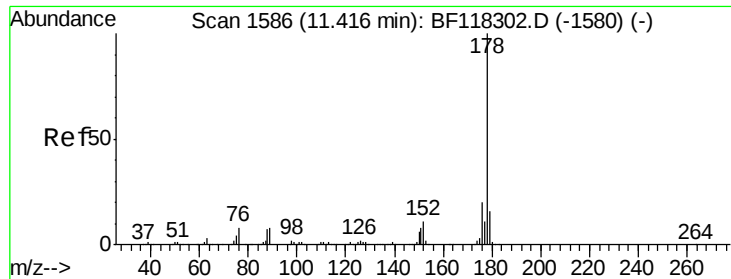


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

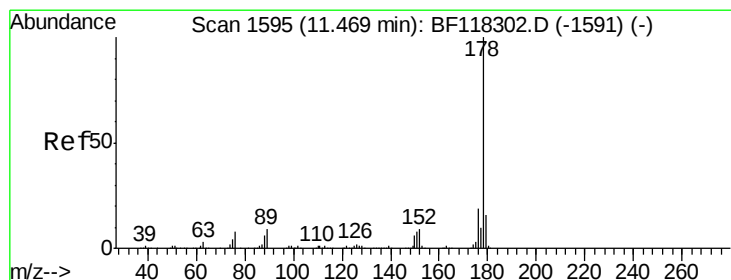
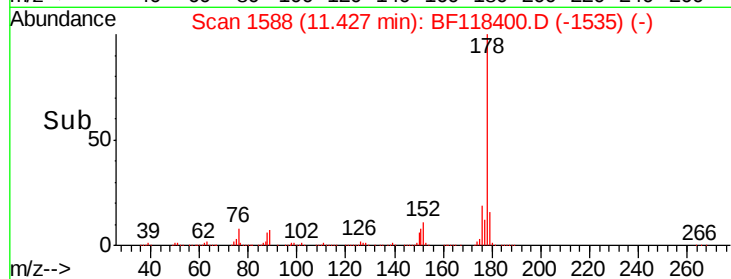
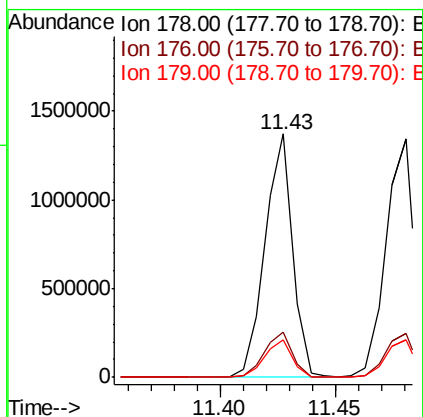
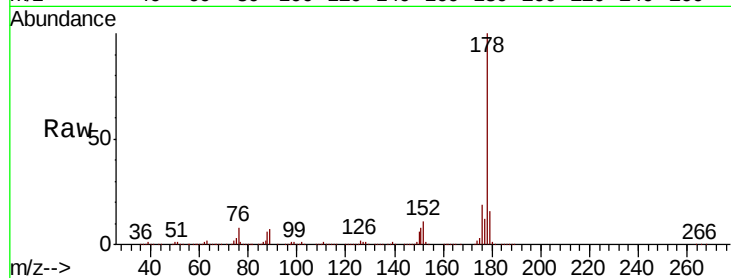




#71
Phenanthrene
Concen: 35.578 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

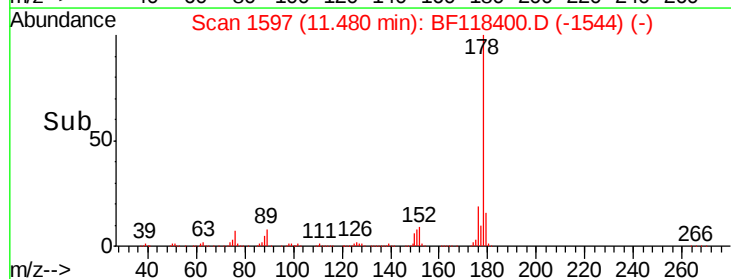
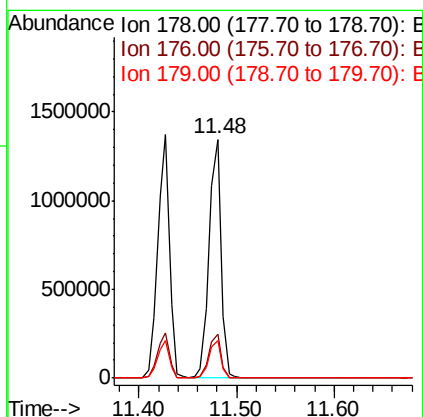
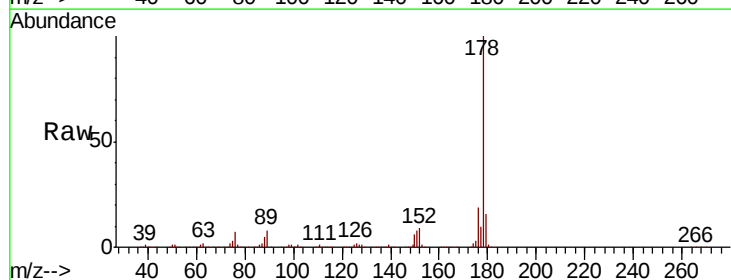
Instrument :
BNA_F
ClientSampleId :

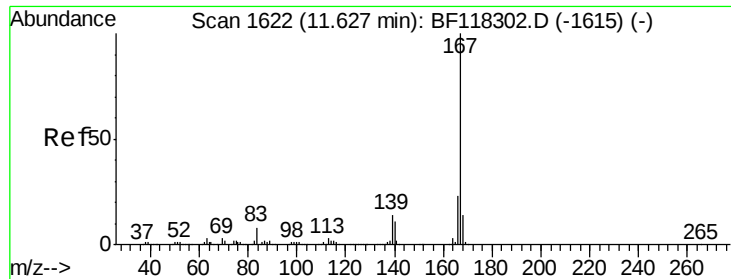
Tot Ion:178 Resp: 1145318
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.6 12.6 19.0



#72
Anthracene
Concen: 36.088 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:178 Resp: 1162823
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.6 12.9 19.3

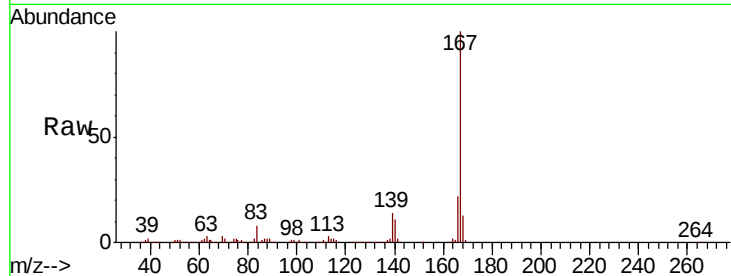




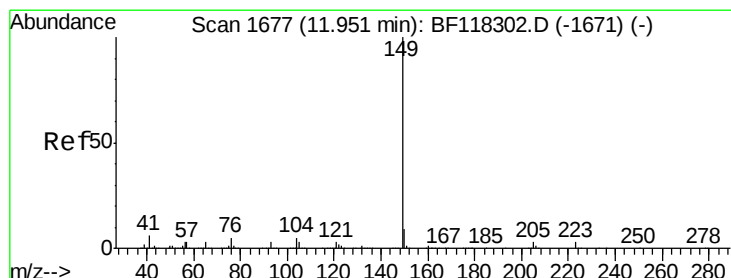
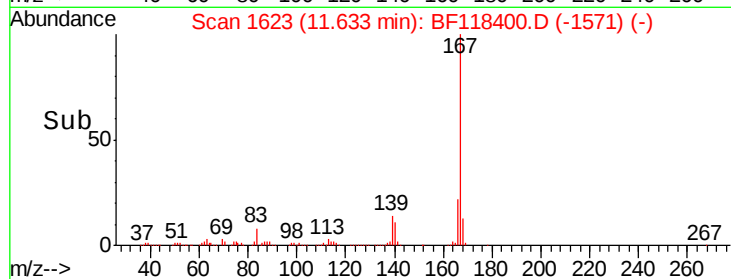
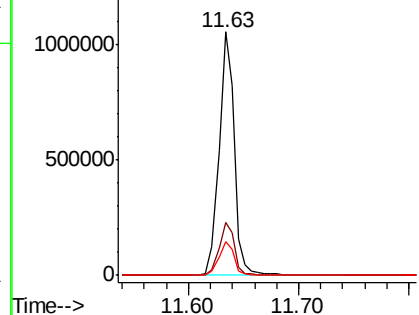
#73
 Carbazole
 Concen: 34.813 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	14.0	11.5	17.3

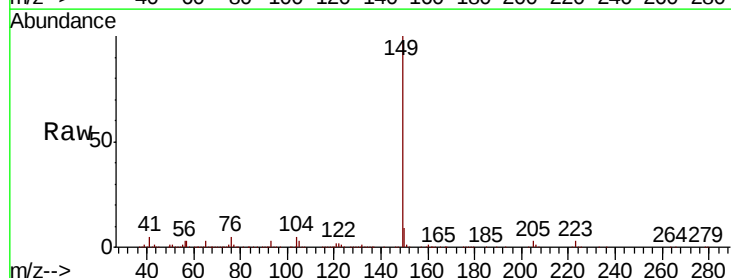


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

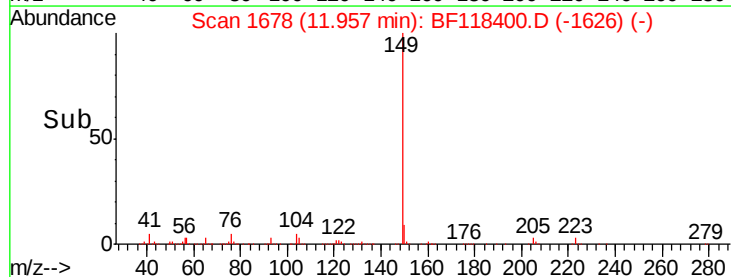
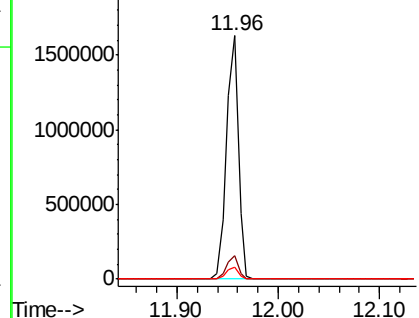


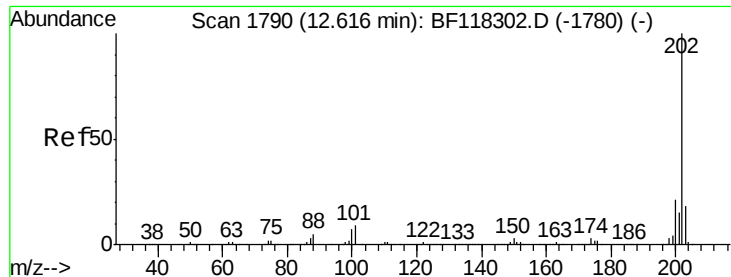
#74
 Di-n-butylphthalate
 Concen: 36.754 ng
 RT: 11.96 min Scan# 1678
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.9	4.0	6.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 35.345 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

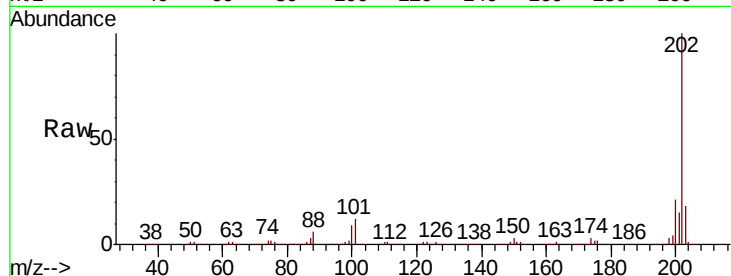
Tot Ion:202 Resp: 1148298

Ion Ratio Lower Upper

202 100

101 11.5 0.0 29.5

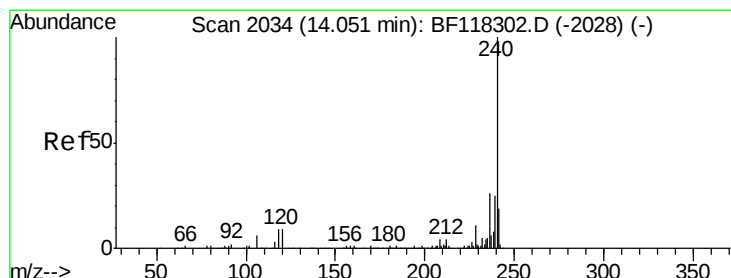
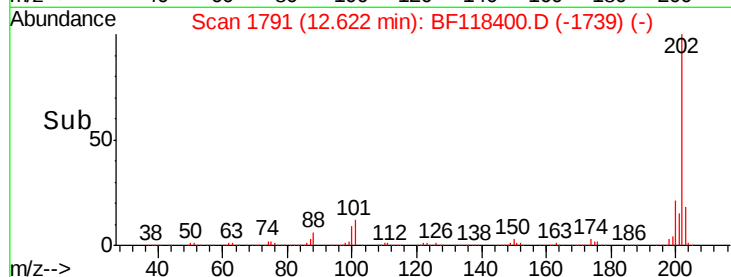
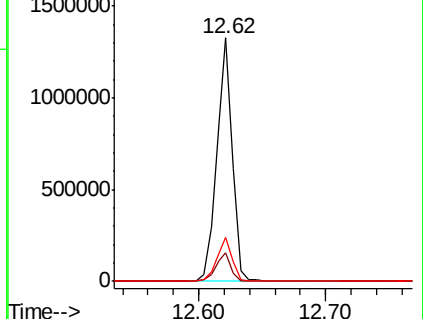
203 17.9 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

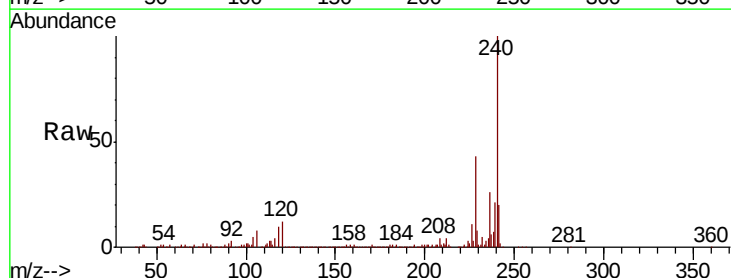
Tgt Ion:240 Resp: 370753

Ion Ratio Lower Upper

240 100

120 11.5 7.1 10.7#

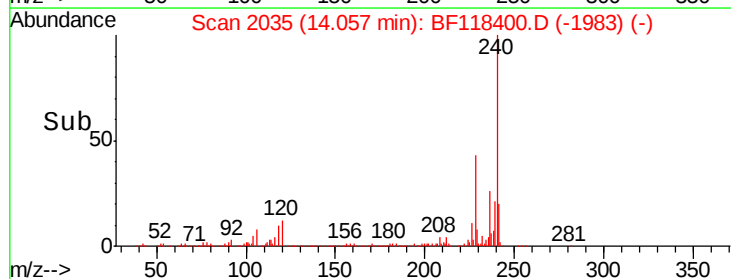
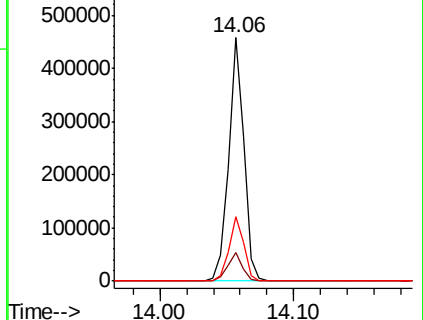
236 26.3 21.0 31.6

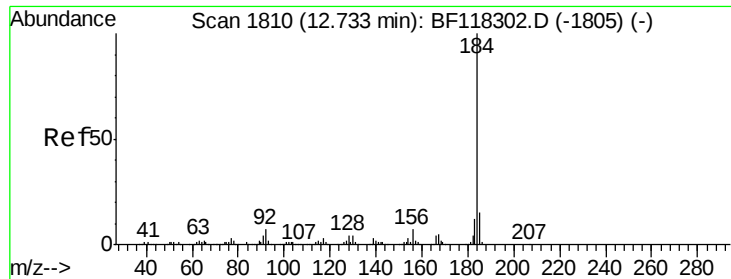


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

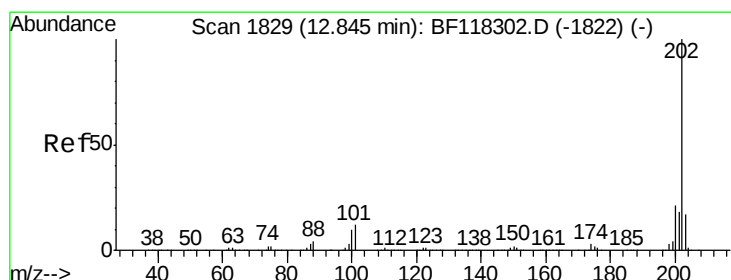
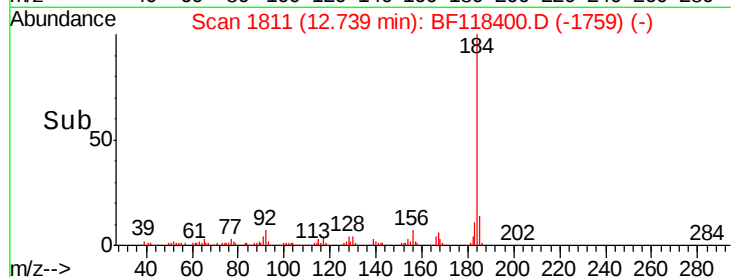
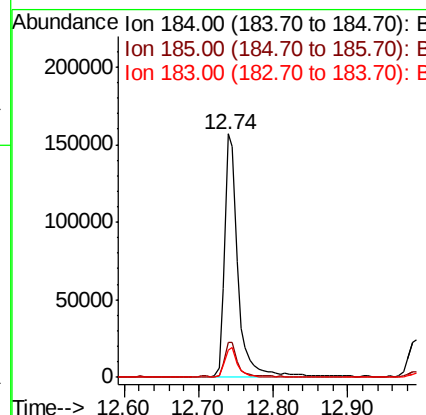
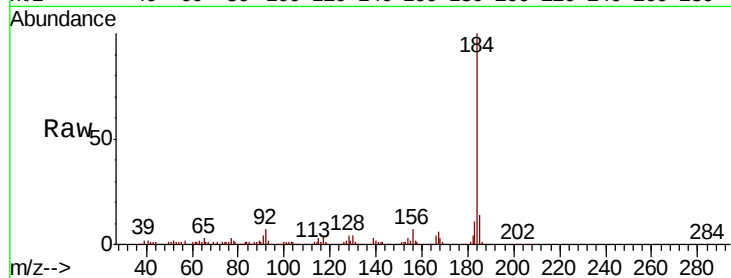




#77
Benzidine
Concen: 19.356 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

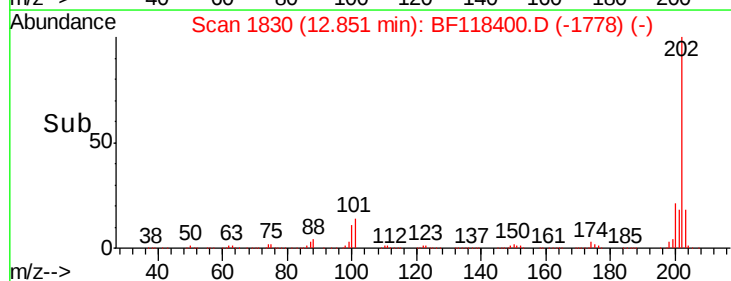
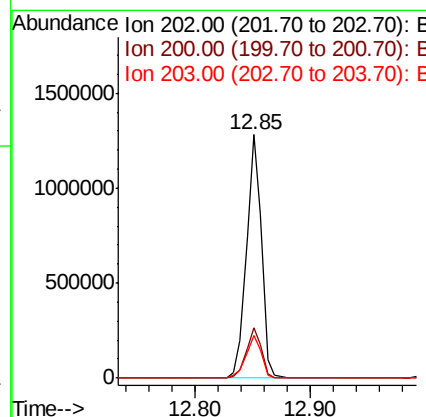
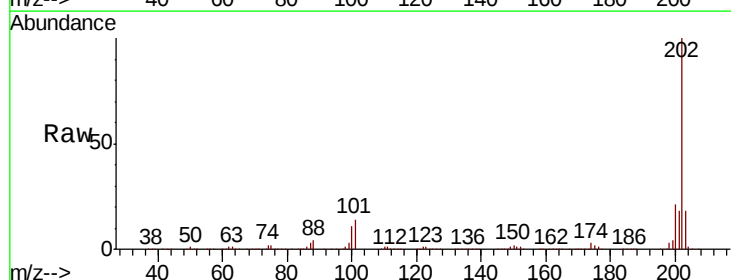
Instrument :
BNA_F
ClientSampleId :

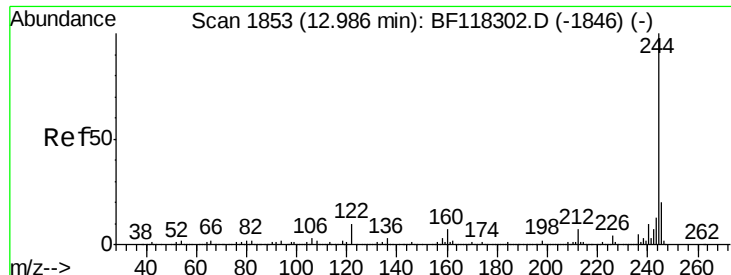
Tot Ion:184 Resp: 196639
Ion Ratio Lower Upper
184 100
185 14.5 12.3 18.5
183 11.2 9.4 14.2



#78
Pyrene
Concen: 37.911 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:202 Resp: 1147789
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 75.120 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

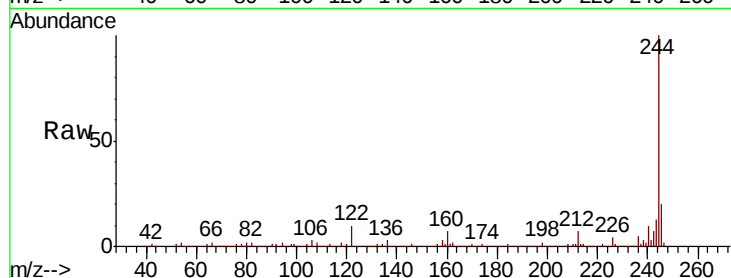
Tot Ion:244 Resp: 1678741

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

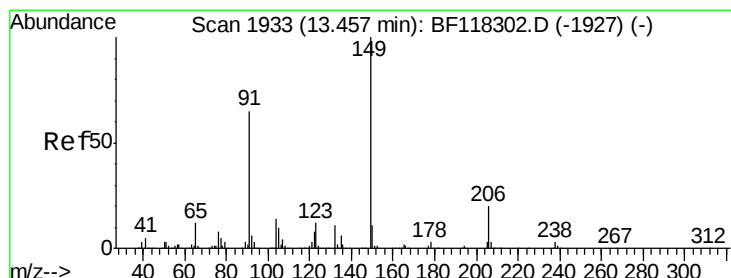
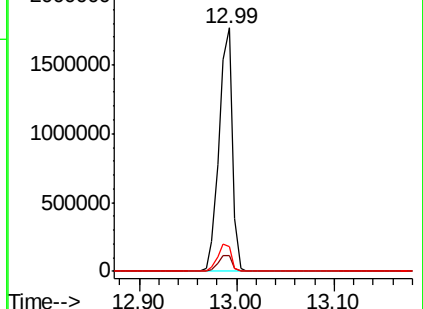
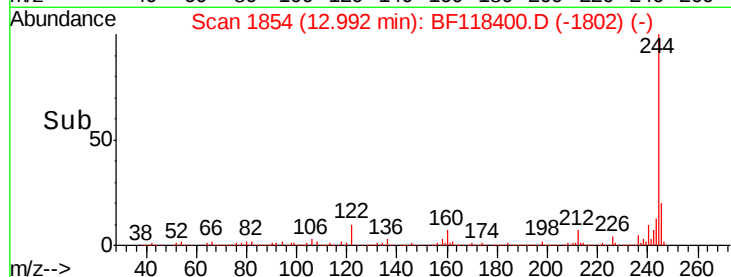
122 10.2 7.8 11.8



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: 38.930 ng

RT: 13.46 min Scan# 1934

Delta R.T. 0.01 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

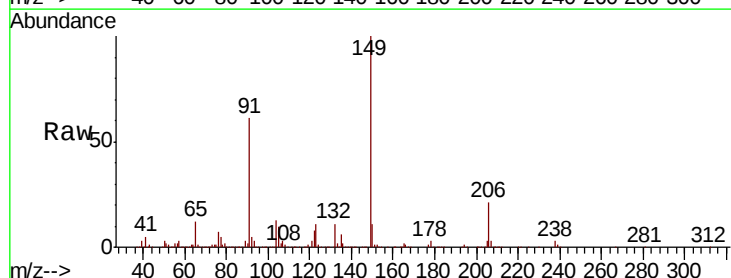
Tgt Ion:149 Resp: 530691

Ion Ratio Lower Upper

149 100

91 61.4 51.8 77.6

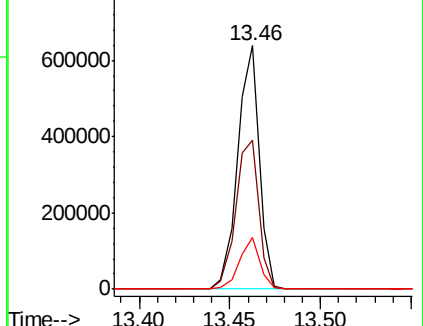
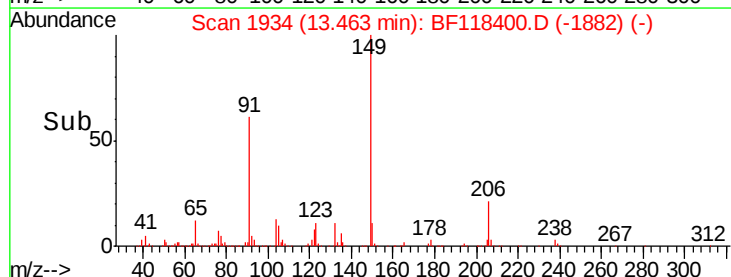
206 21.1 15.7 23.5

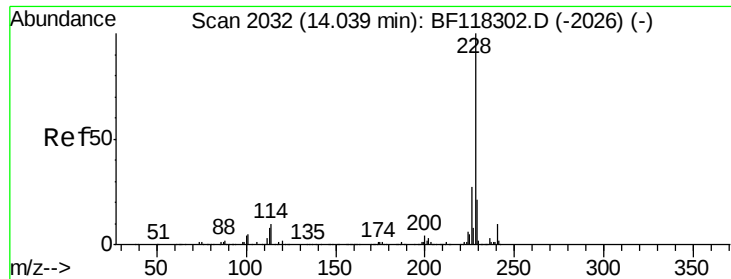


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

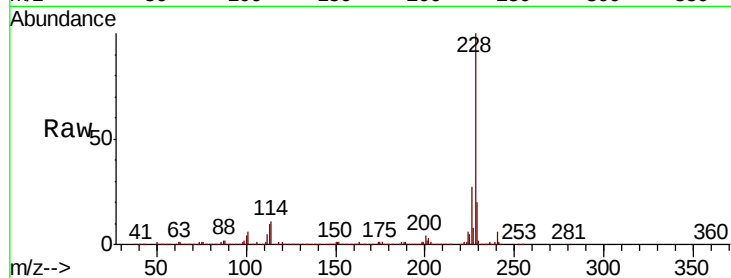




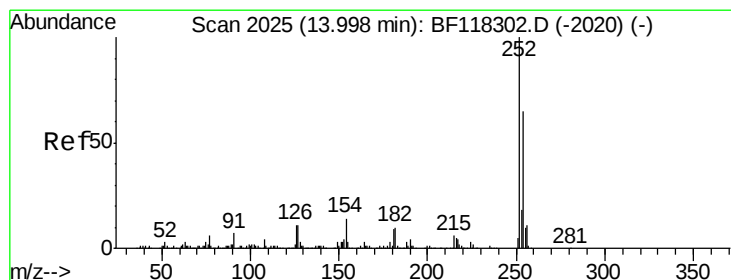
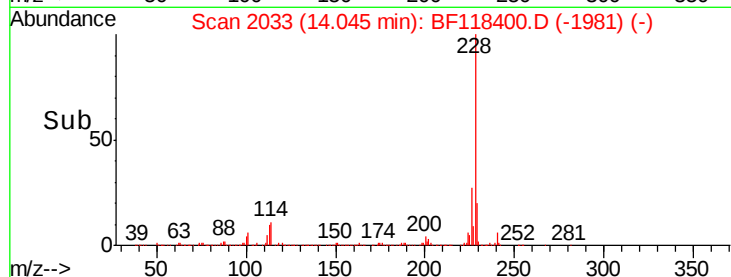
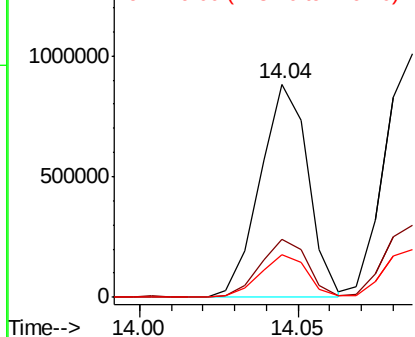
#81
Benzo(a)anthracene
Concen: 35.656 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 925320
Ion Ratio Lower Upper
228 100
226 27.3 22.0 33.0
229 20.2 16.6 24.8

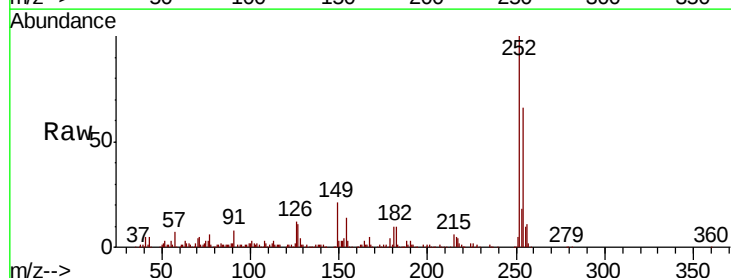


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

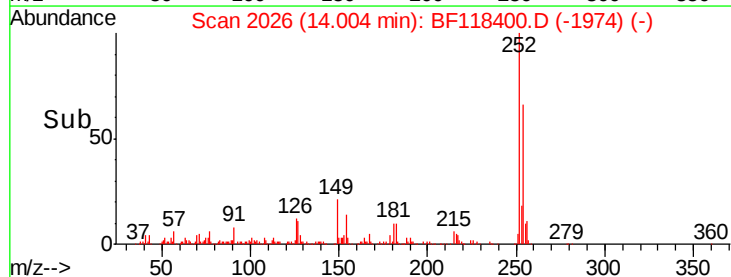
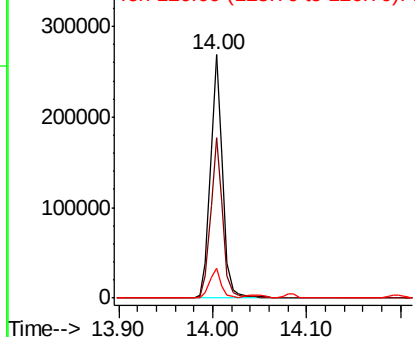


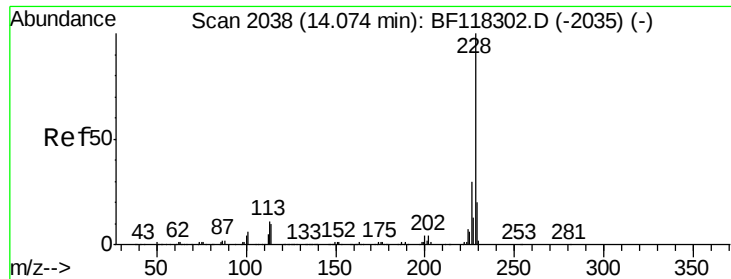
#82
3,3'-Dichlorobenzidine
Concen: 28.221 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:252 Resp: 248319
Ion Ratio Lower Upper
252 100
254 66.0 51.8 77.8
126 12.0 8.7 13.1



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

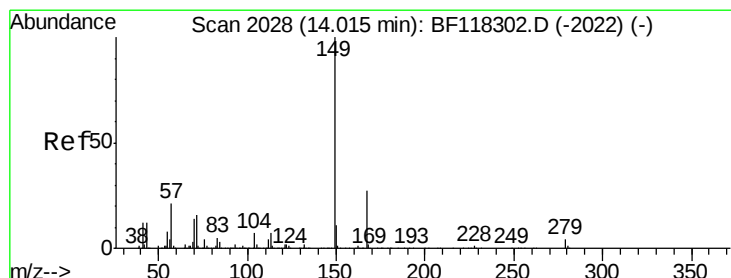
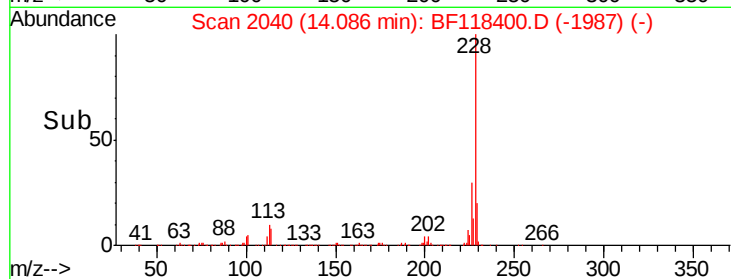
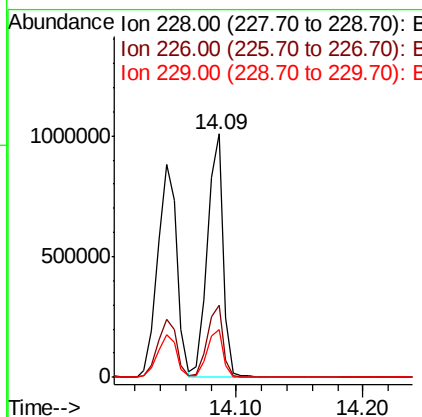
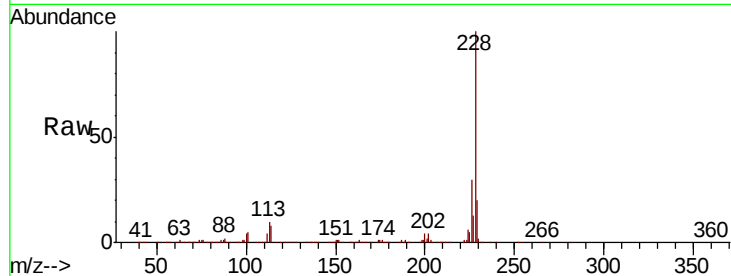




#83
 Chrvsene
 Concen: 35.380 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.01 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

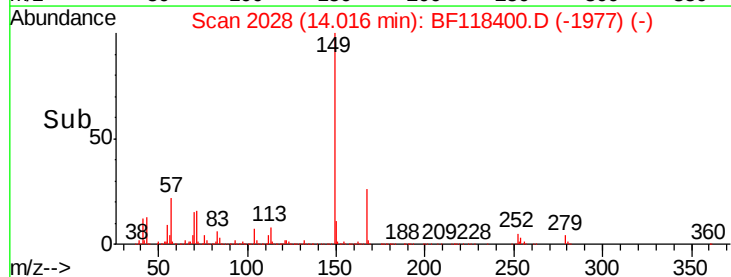
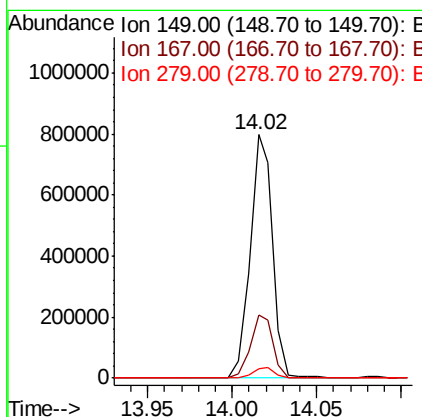
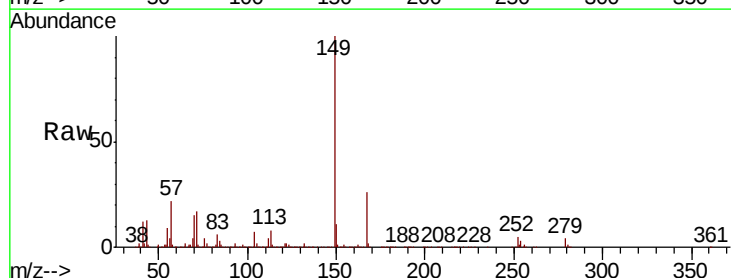
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:228 Resp: 879161
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.9 35.9
 229 19.6 16.1 24.1



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.102 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF118400.D
 Acq: 31 Dec 2019 12:42

Tgt Ion:149 Resp: 736763
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.3 31.9
 279 3.7 3.4 5.2

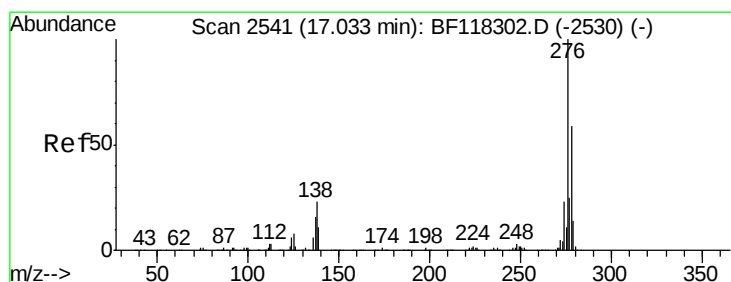
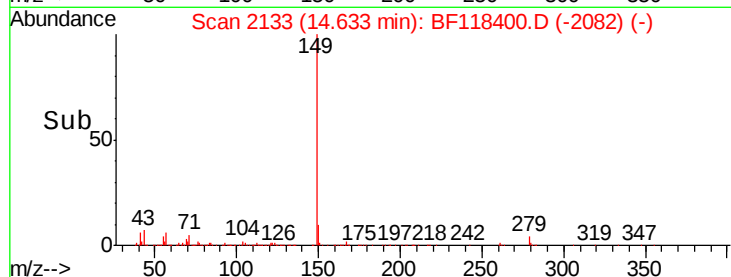
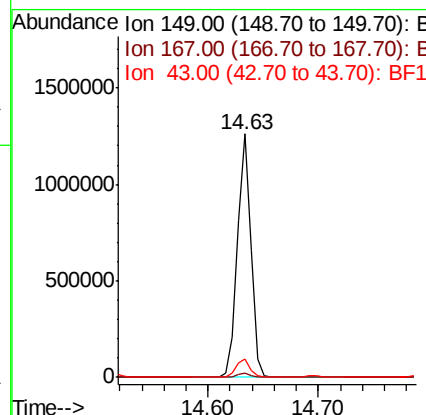
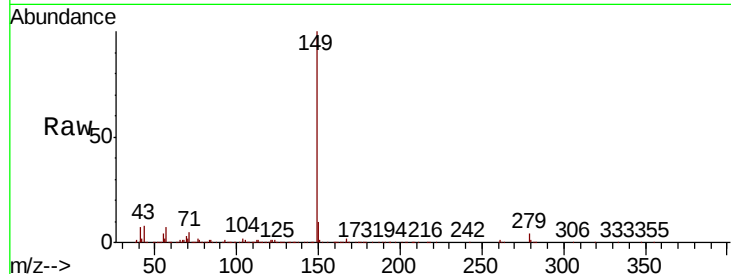




#85
Di-n-octyl phthalate
Concen: 41.284 ng
RT: 14.63 min Scan# 2133
Delta R.T. 0.00 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

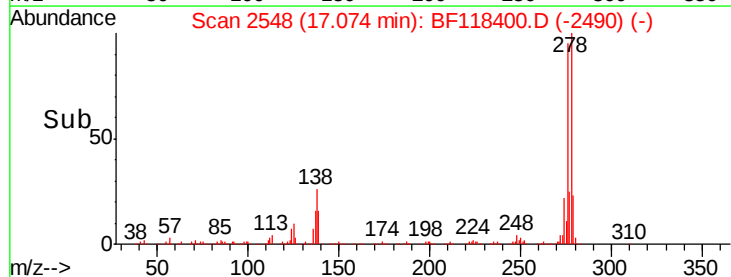
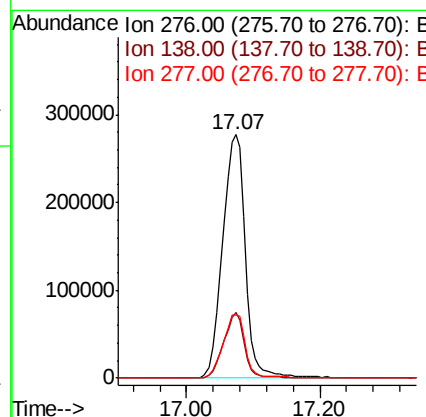
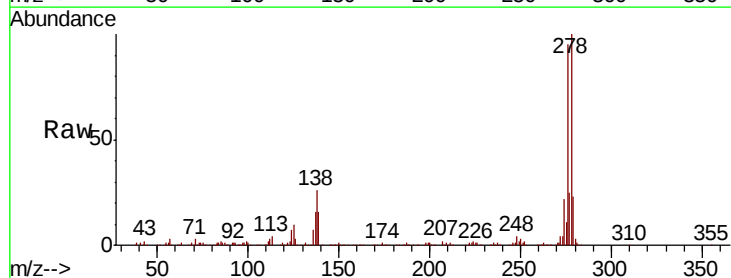
Instrument :
BNA_F
ClientSampleId :

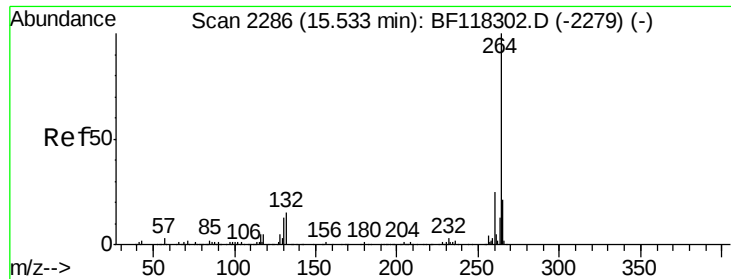
Tot Ion:149 Resp: 1088538
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 7.2 6.1 9.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 31.613 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:276 Resp: 669349
Ion Ratio Lower Upper
276 100
138 24.6 19.5 29.3
277 25.5 20.6 30.8

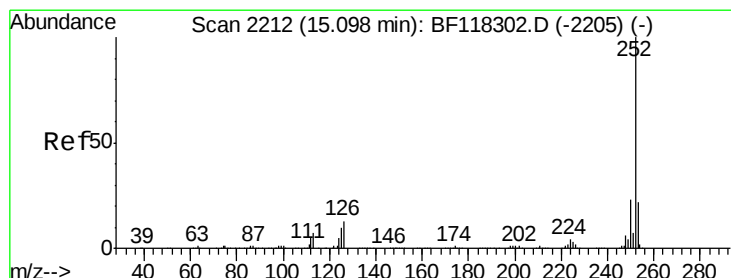
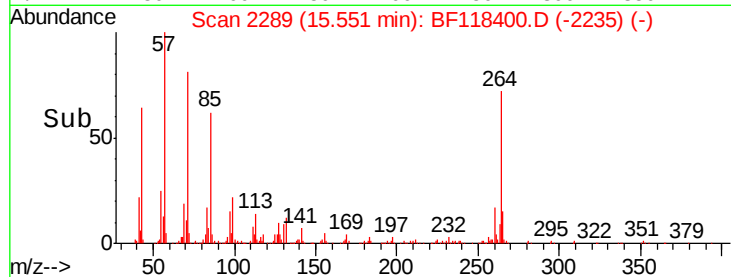
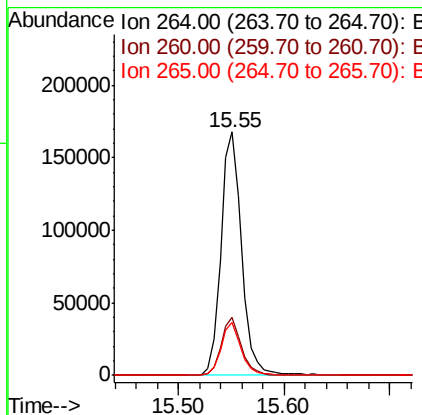
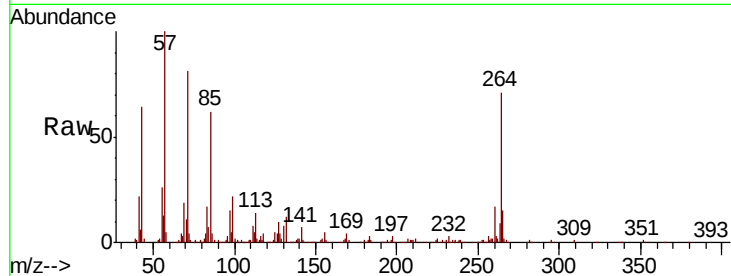




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

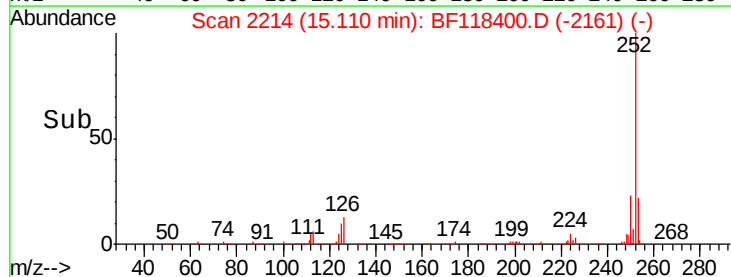
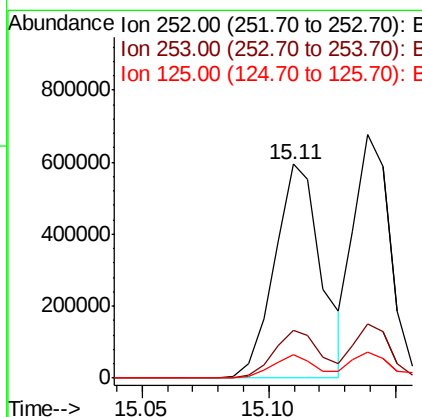
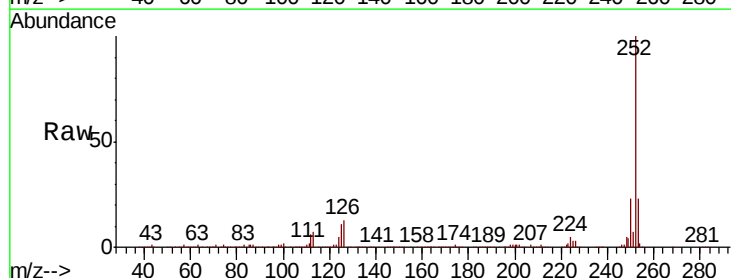
Instrument :
BNA_F
ClientSampleId :

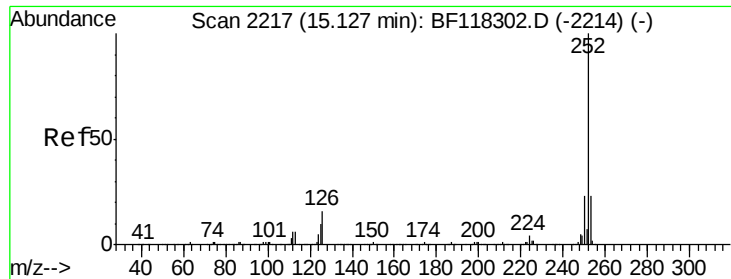
Tot Ion:264 Resp: 228800
Ion Ratio Lower Upper
264 100
260 23.9 19.8 29.6
265 21.5 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 50.408 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:252 Resp: 765578
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.7 7.7 11.5

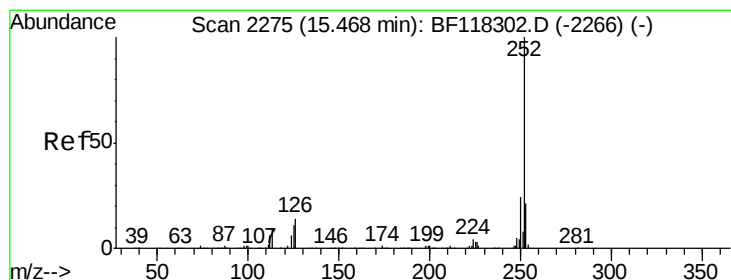
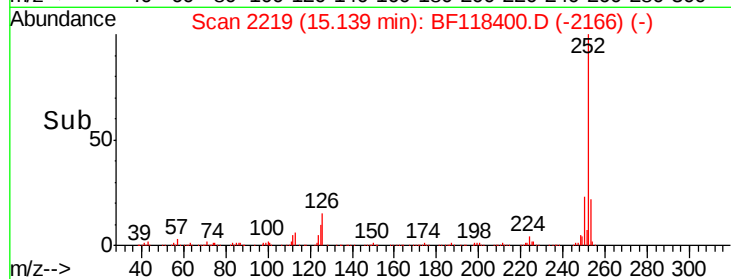
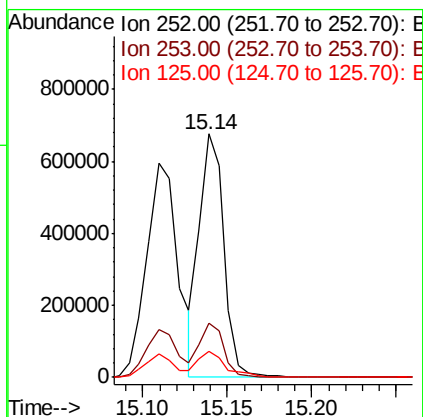
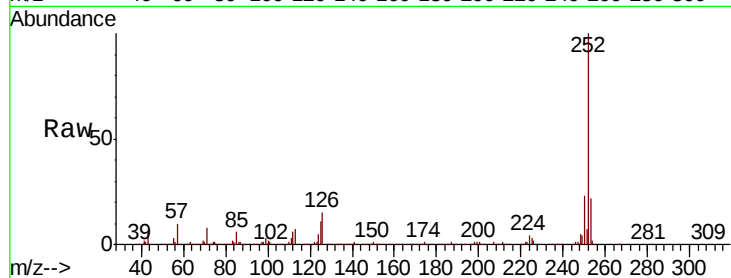




#89
Benzo(k)fluoranthene
Concen: 46.469 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

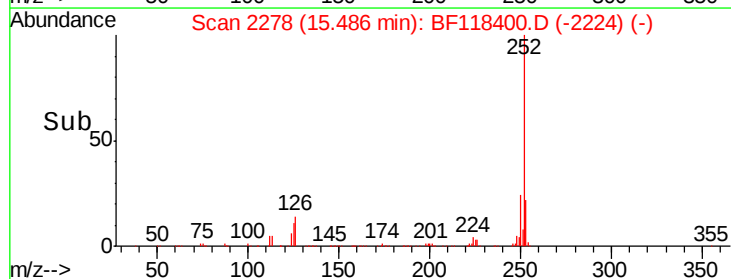
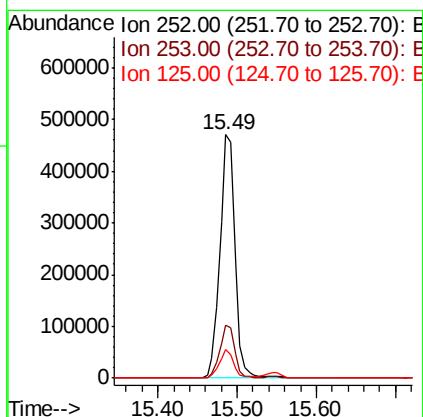
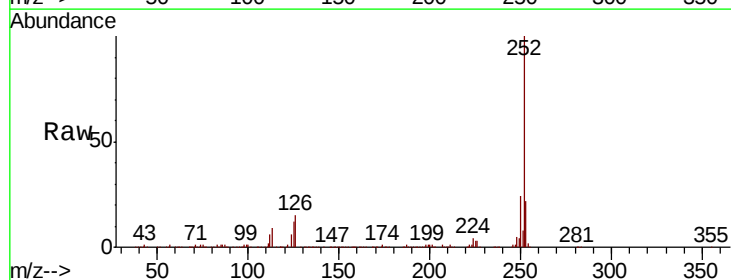
Instrument :
BNA_F
ClientSampleId :

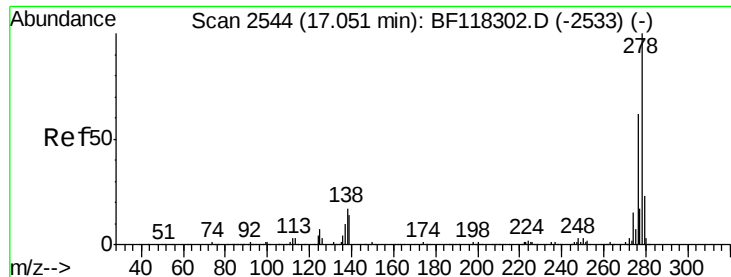
Tot Ion:252 Resp: 677650
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 10.8 8.0 12.0



#90
Benzo(a)pyrene
Concen: 46.466 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF118400.D
Acq: 31 Dec 2019 12:42

Tgt Ion:252 Resp: 621681
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 11.8 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 49.634 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.03 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

Instrument :

BNA_F

ClientSampleId :

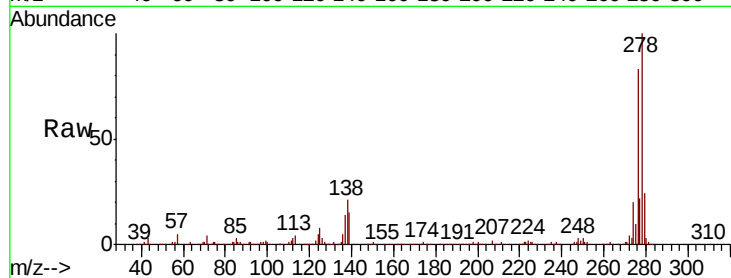
Tot Ion:278 Resp: 576264

Ion Ratio Lower Upper

278 100

139 15.2 11.5 17.3

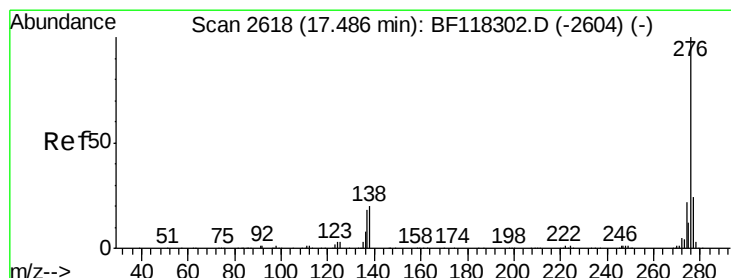
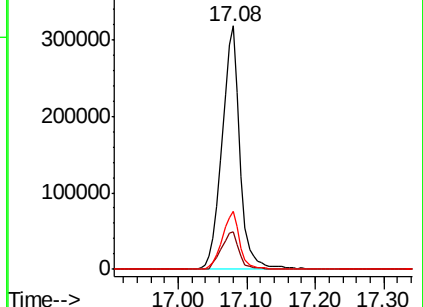
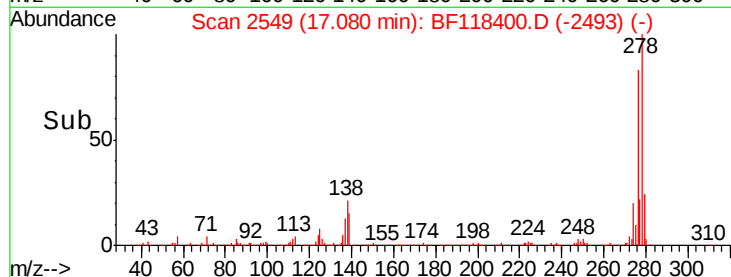
279 23.7 18.3 27.5



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: 49.845 ng

RT: 17.53 min Scan# 2625

Delta R.T. 0.04 min

Lab File: BF118400.D

Acq: 31 Dec 2019 12:42

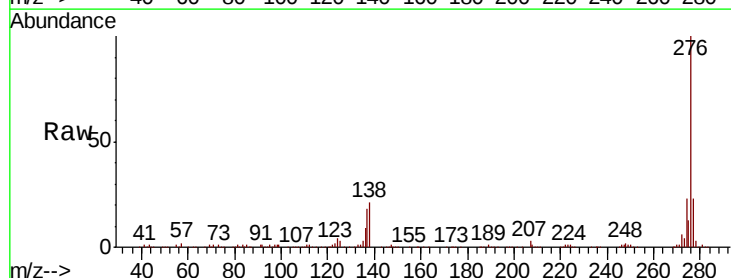
Tgt Ion:276 Resp: 559034

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 20.9 16.1 24.1



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

