

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118221.D
 Acq On : 17 Dec 2019 2:46
 Operator : JU
 Sample : K6284-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 17 04:41:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	105845	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	413853	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	210369	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	367155	20.00	ng	0.00
76) Chrysene-d12	14.06	240	220573	20.00	ng	0.00
87) Perylene-d12	15.55	264	273624	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	727877	120.45	ng	0.00
7) Phenol-d6	6.50	99	927179	126.85	ng	0.00
23) Nitrobenzene-d5	7.43	82	552986	75.17	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	292807	114.57	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1118481	80.90	ng	0.00
79) Terphenyl-d14	13.00	244	1019833	79.51	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.65	88	107269	42.097	ng	98
3) Pyridine	3.41	79	261901	39.838	ng	98
4) n-Nitrosodimethylamine	3.36	42	136531	48.275	ng	99
6) Aniline	6.53	93	203096	21.721	ng	97
8) 2-Chlorophenol	6.65	128	355140	52.117	ng	98
9) Benzaldehyde	6.41	77	118267	28.236	ng	98
10) Phenol	6.52	94	431302	51.740	ng	99
11) bis(2-Chloroethyl)ether	6.60	93	294688	48.879	ng	99
12) 1,3-Dichlorobenzene	6.80	146	382507	48.052	ng	98
13) 1,4-Dichlorobenzene	6.88	146	391762	48.875	ng	100
14) 1,2-Dichlorobenzene	7.03	146	364168	48.378	ng	97
15) Benzyl Alcohol	7.01	79	289999	50.825	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.14	45	335131	46.232	ng	94
17) 2-Methylphenol	7.12	107	276070	50.938	ng	99
18) Hexachloroethane	7.37	117	138104	46.758	ng	93
19) n-Nitroso-di-n-propylamine	7.28	70	217197	48.900	ng	100
20) 3+4-Methylphenols	7.27	107	350984	51.558	ng	97
22) Acetophenone	7.27	105	474492	47.723	ng	99
24) Nitrobenzene	7.45	77	342978	47.454	ng	100
25) Isophorone	7.69	82	603133	48.364	ng	99
26) 2-Nitrophenol	7.77	139	192818	49.913	ng	97
27) 2,4-Dimethylphenol	7.80	122	291004	56.474	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	376207	46.168	ng	99
29) 2,4-Dichlorophenol	8.01	162	292751	48.734	ng	99
30) 1,2,4-Trichlorobenzene	8.09	180	324596	46.237	ng	99
31) Naphthalene	8.17	128	1017270	48.943	ng	99
32) Benzoic acid	7.94	122	210156	45.170	ng	97
33) 4-Chloroaniline	8.22	127	54775	6.103	ng	98
34) Hexachlorobutadiene	8.29	225	189224	44.950	ng	100
35) Caprolactam	8.60	113	58922	31.807	ng	95
36) 4-Chloro-3-methylphenol	8.72	107	308031	48.727	ng	96
37) 2-Methylnaphthalene	8.87	142	687514	48.859	ng	100
38) 1-Methylnaphthalene	8.97	142	639696	48.417	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	306565	48.105	ng	99

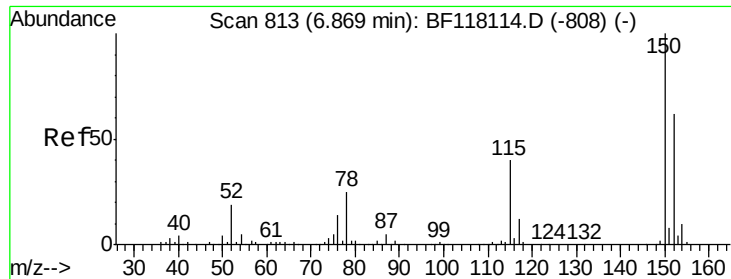
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.02	237	208664	73.079	ng	98
43) 2,4,6-Trichlorophenol	9.15	196	208838	49.080	ng	97
44) 2,4,5-Trichlorophenol	9.19	196	222764	50.532	ng	99
46) 1,1'-Biphenyl	9.33	154	827965	49.903	ng	99
47) 2-Chloronaphthalene	9.36	162	639233	47.896	ng	96
48) 2-Nitroaniline	9.46	65	173600	45.612	ng	99
49) Acenaphthylene	9.77	152	1021984	51.917	ng	99
50) Dimethylphthalate	9.63	163	795840	51.216	ng	99
51) 2,6-Dinitrotoluene	9.70	165	169990	50.311	ng	98
52) Acenaphthene	9.95	154	580093	48.280	ng	99
53) 3-Nitroaniline	9.87	138	67325	16.931	ng	95
54) 2,4-Dinitrophenol	9.98	184	106580	63.403	ng	96
55) Dibenzofuran	10.12	168	879490	49.956	ng	99
56) 4-Nitrophenol	10.04	139	247968	89.859	ng	99
57) 2,4-Dinitrotoluene	10.11	165	226005	50.114	ng	90
58) Fluorene	10.47	166	695036	49.678	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.25	232	179881	49.459	ng	100
60) Diethylphthalate	10.33	149	741527	48.435	ng	100
61) 4-Chlorophenyl-phenylether	10.46	204	340571	48.379	ng	100
62) 4-Nitroaniline	10.49	138	159032	38.347	ng	96
63) Azobenzene	10.62	77	637296	48.763	ng	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	83856	41.357	ng	91
66) n-Nitrosodiphenylamine	10.57	169	604239	52.700	ng	100
67) 4-Bromophenyl-phenylether	10.94	248	211718	50.516	ng	# 90
68) Hexachlorobenzene	11.02	284	234691	47.575	ng	99
69) Atrazine	11.10	200	176202	76.154	ng	98
70) Pentachlorophenol	11.22	266	224697	96.857	ng	99
71) Phenanthrene	11.43	178	1027825	52.662	ng	100
72) Anthracene	11.49	178	999290	51.324	ng	100
73) Carbazole	11.64	167	840022	48.086	ng	99
74) Di-n-butylphthalate	11.97	149	1094428	50.059	ng	99
75) Fluoranthene	12.63	202	950520	47.634	ng	99
77) Benzidine	12.74	184	247019	42.541	ng	98
78) Pyrene	12.86	202	942586	54.227	ng	99
80) Butylbenzylphthalate	13.47	149	364737	46.333	ng	99
81) Benzo(a)anthracene	14.05	228	783697	51.384	ng	99
82) 3,3'-Dichlorobenzidine	14.01	252	192785	38.487	ng	99
83) Chrysene	14.09	228	759187	52.110	ng	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	487051	46.921	ng	100
85) Di-n-octyl phthalate	14.64	149	788115	50.121	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	883456	72.069	ng	100
88) Benzo(b)fluoranthene	15.12	252	844237	46.652	ng	98
89) Benzo(k)fluoranthene	15.14	252	794755	45.715	ng	98
90) Benzo(a)pyrene	15.49	252	819966	51.303	ng	99
91) Dibenzo(a,h)anthracene	17.08	278	741750	54.109	ng	99
92) Benzo(g,h,i)perylene	17.52	276	686900	52.144	ng	99

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

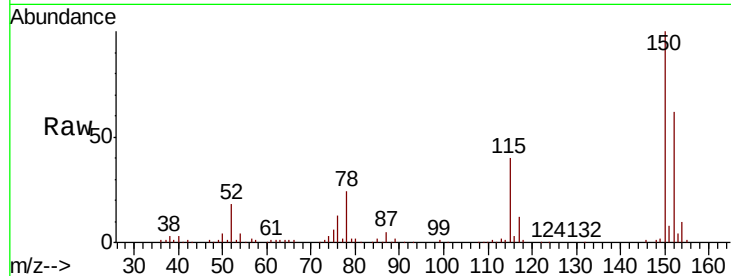


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	128.3	192.5
115	63.7	51.1	76.7

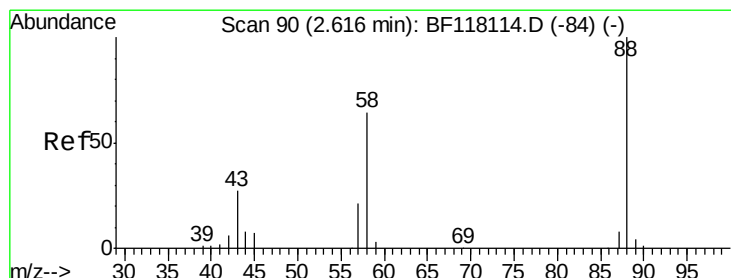
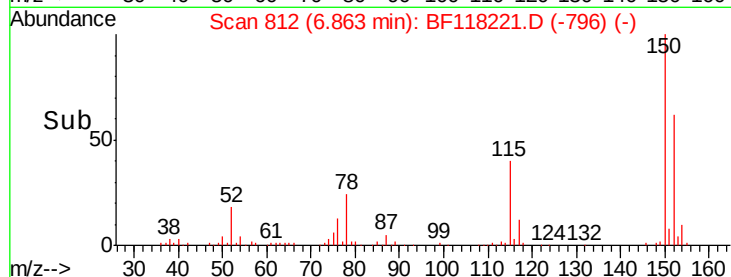
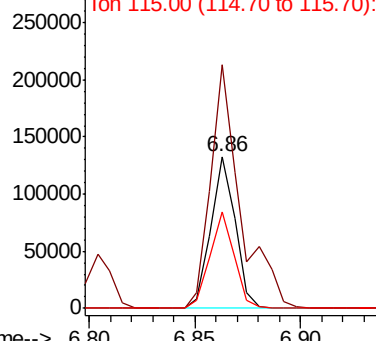


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

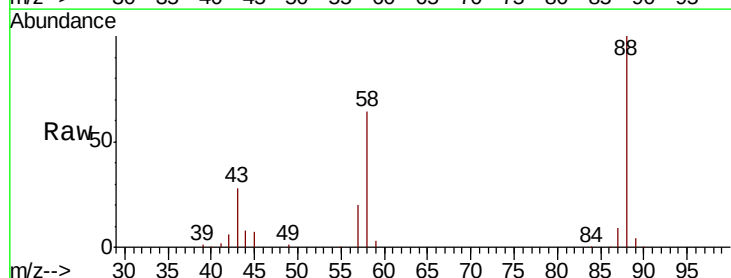
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 42.097 ng
RT: 2.65 min Scan# 96
Delta R.T. 0.04 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.9	52.2	78.4
43	27.8	21.4	32.2

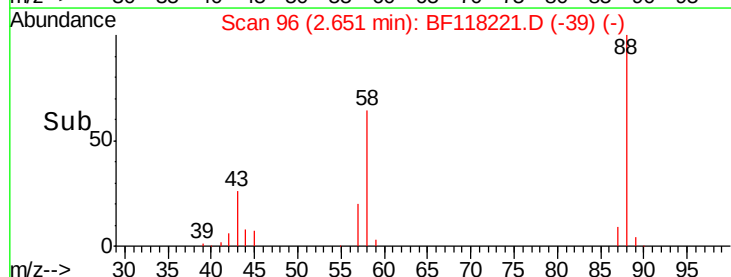
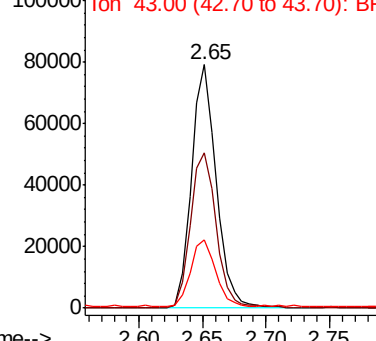


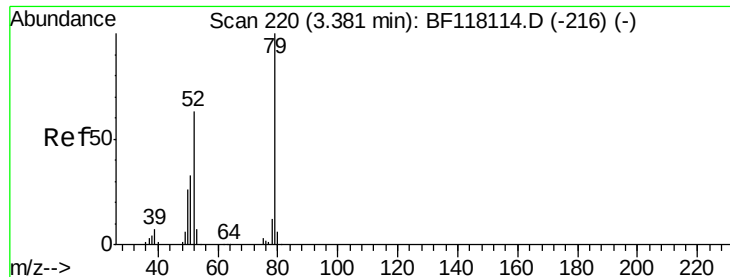
Abundance

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: 39.838 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.03 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

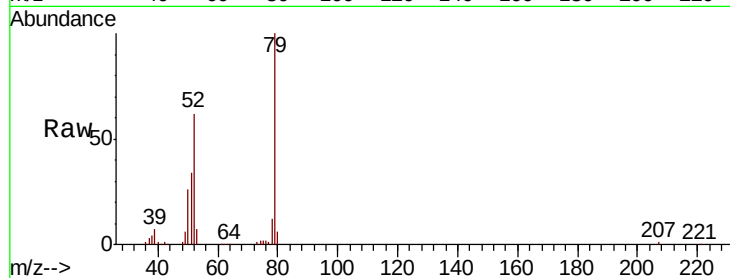
Tot Ion: 79 Resp: 261901

Ion Ratio Lower Upper

79 100

52 62.3 50.7 76.1

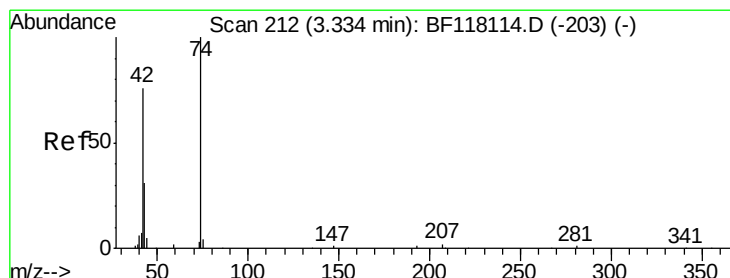
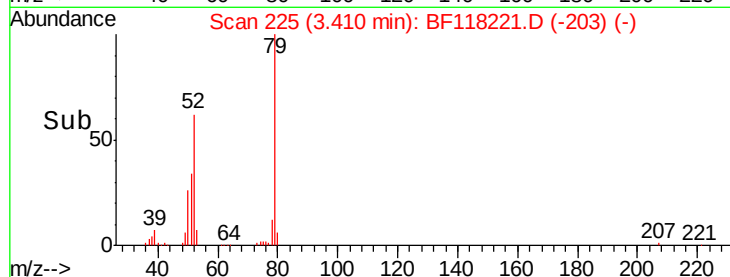
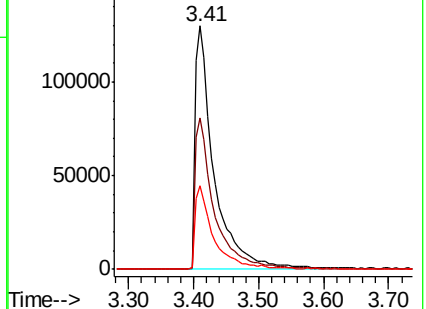
51 34.5 26.4 39.6



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: 48.275 ng

RT: 3.36 min Scan# 217

Delta R.T. 0.03 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

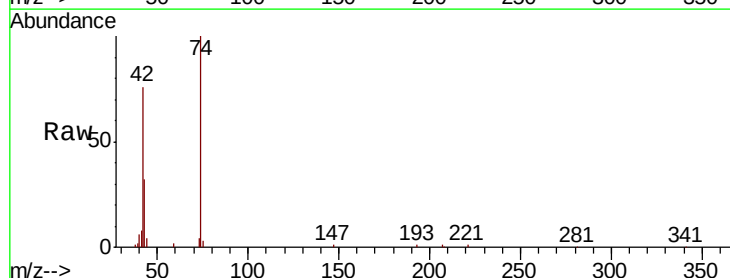
Tgt Ion: 42 Resp: 136531

Ion Ratio Lower Upper

42 100

74 131.7 104.6 157.0

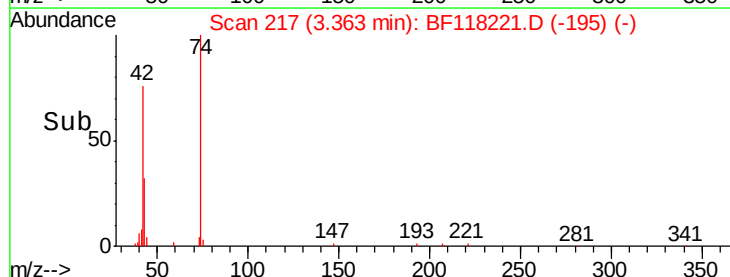
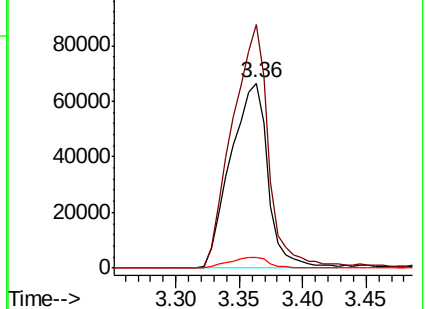
44 5.6 5.1 7.7

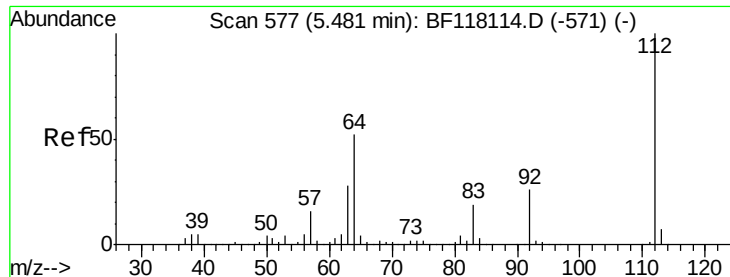


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 120.445 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

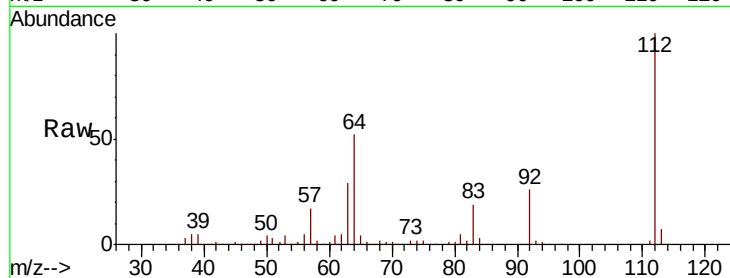
Tot Ion: 112 Resp: 727877

Ion Ratio Lower Upper

112 100

64 52.1 41.3 61.9

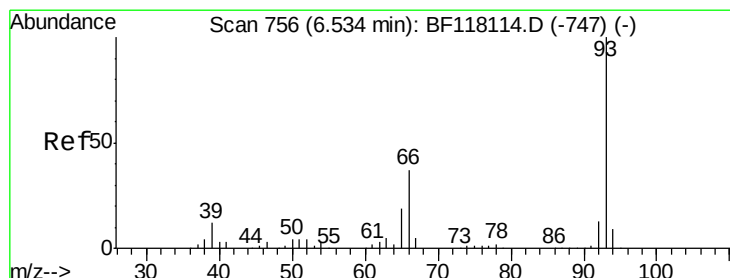
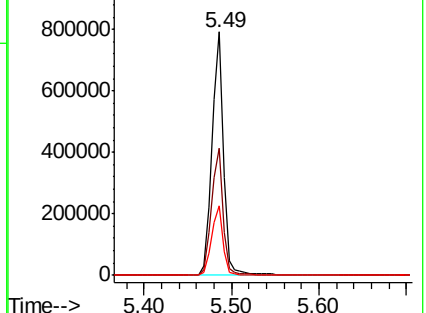
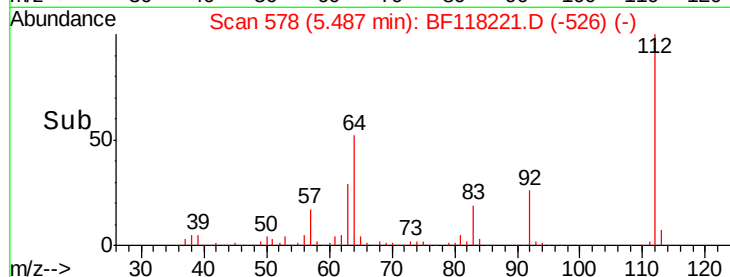
63 28.6 22.4 33.6



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 21.721 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

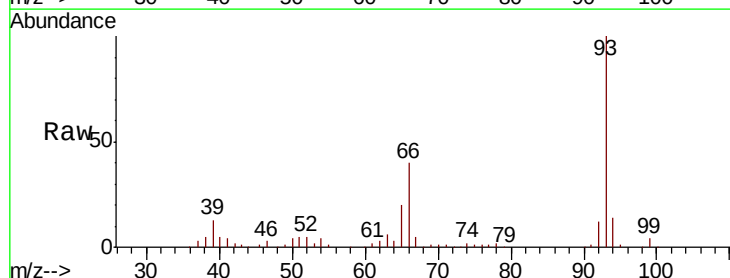
Tgt Ion: 93 Resp: 203096

Ion Ratio Lower Upper

93 100

66 40.1 30.2 45.2

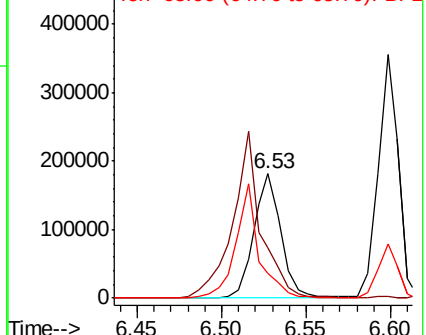
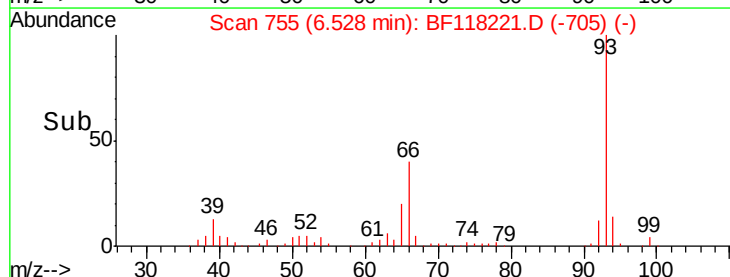
65 20.1 15.5 23.3

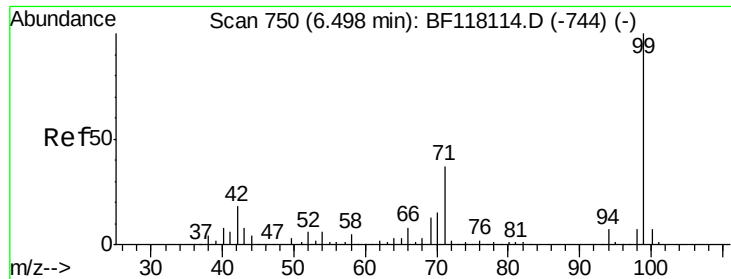


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 126.846 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

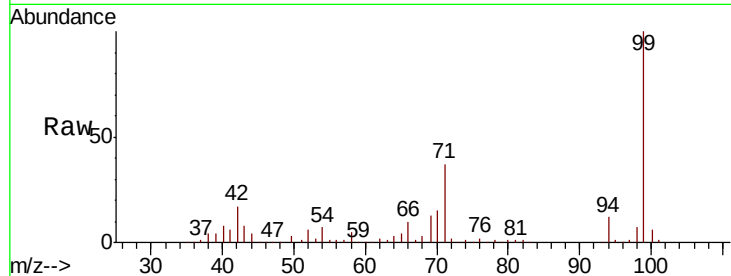
Tot Ion: 99 Resp: 927179

Ion Ratio Lower Upper

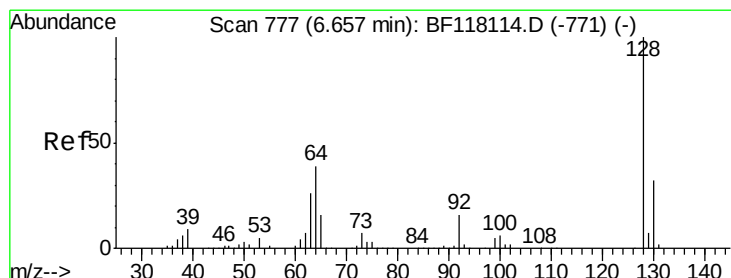
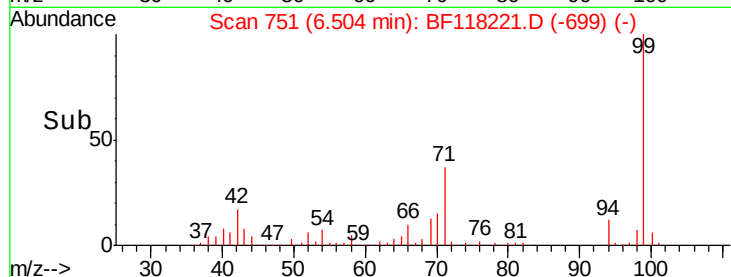
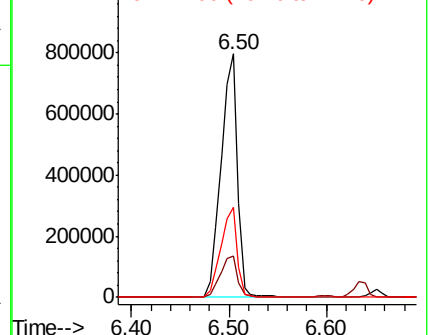
99 100

42 16.9 14.1 21.1

71 37.2 29.7 44.5



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: 52.117 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

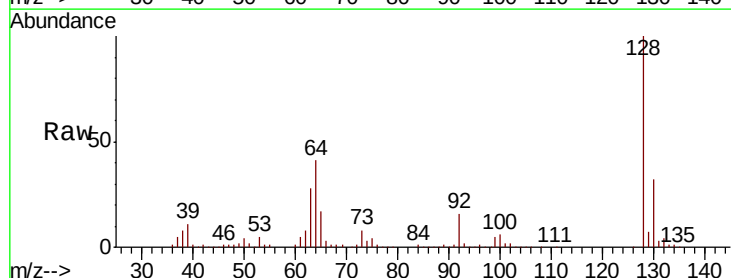
Tgt Ion: 128 Resp: 355140

Ion Ratio Lower Upper

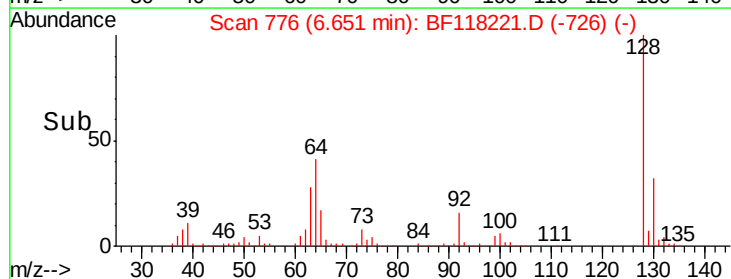
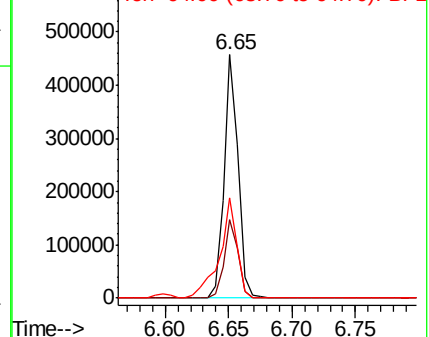
128 100

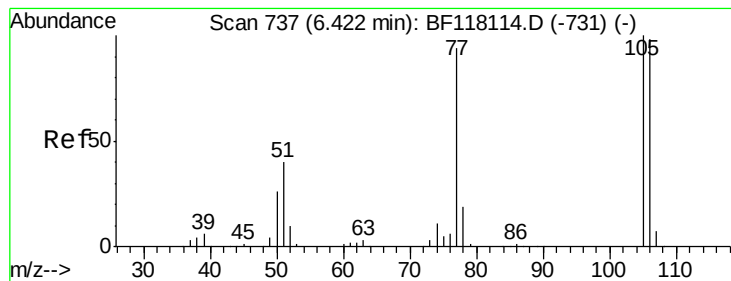
130 32.5 12.1 52.1

64 41.3 19.3 59.3



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: 28.236 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

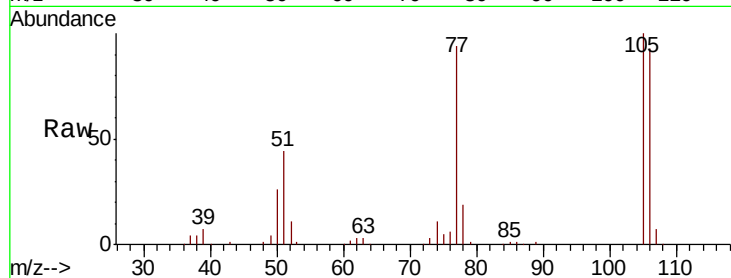
Tot Ion: 77 Resp: 118267

Ion Ratio Lower Upper

77 100

105 106.4 86.4 126.4

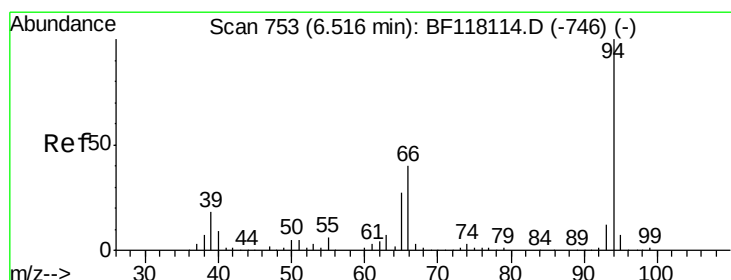
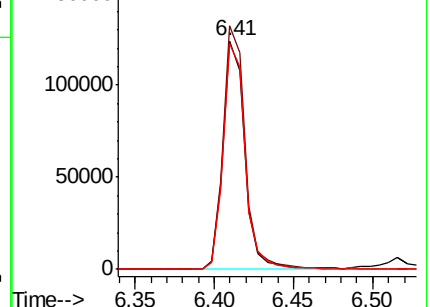
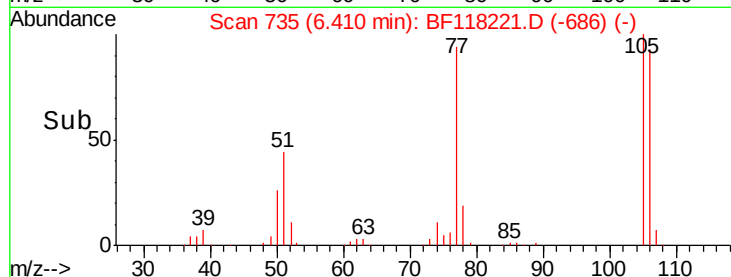
106 98.8 83.8 123.8



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: 51.740 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

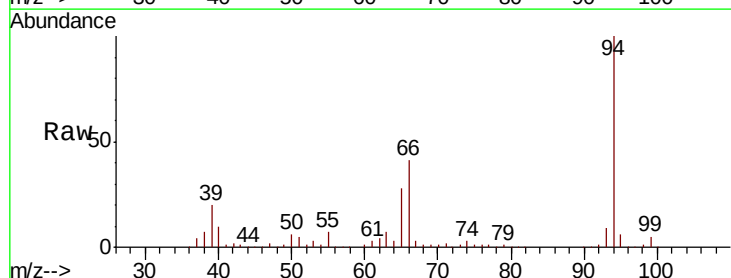
Tgt Ion: 94 Resp: 431302

Ion Ratio Lower Upper

94 100

65 28.1 7.3 47.3

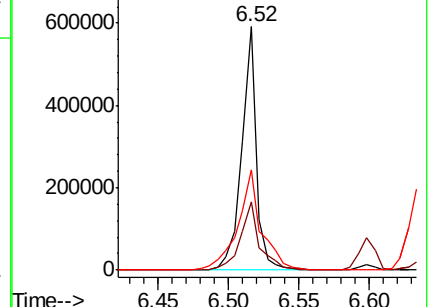
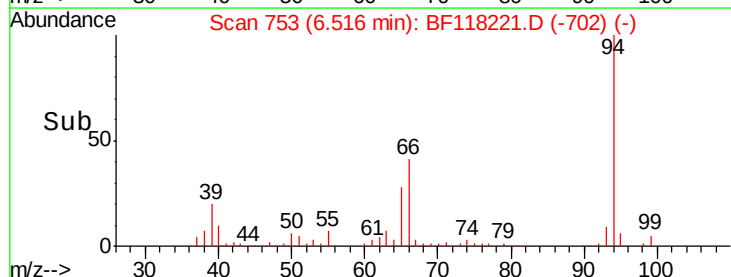
66 41.1 20.2 60.2

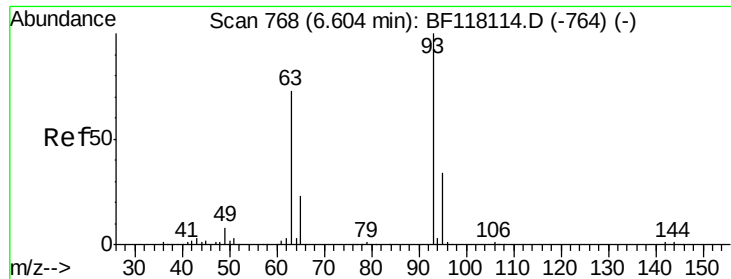


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

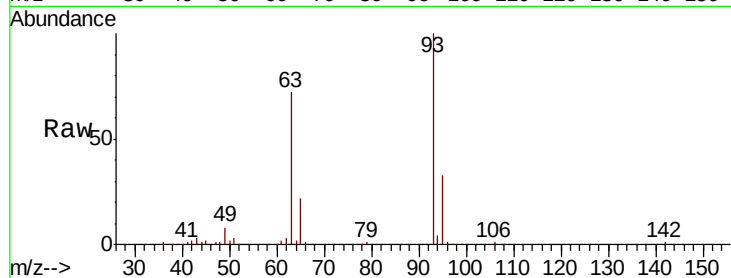




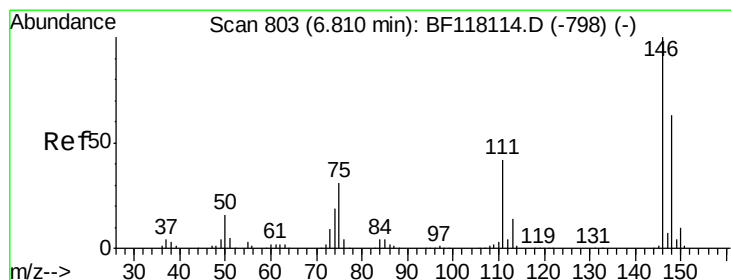
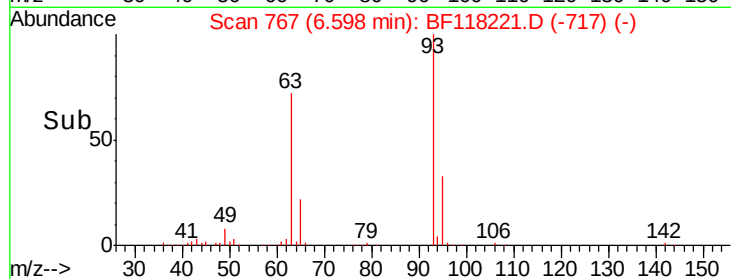
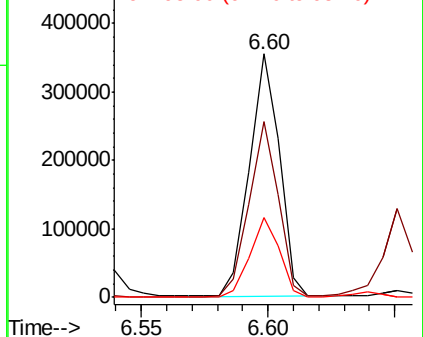
#11
bis(2-Chloroethyl)ether
Concen: 48.879 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 93 Resp: 294688
Ion Ratio Lower Upper
93 100
63 72.4 53.2 93.2
95 32.7 13.8 53.8

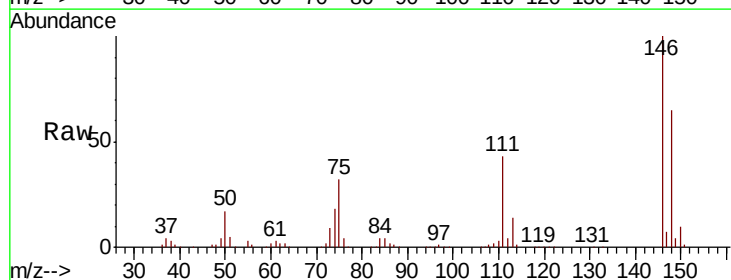


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

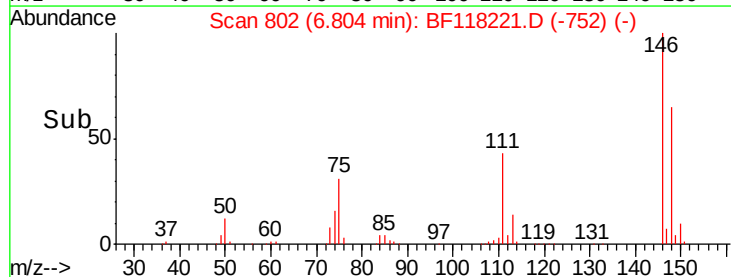
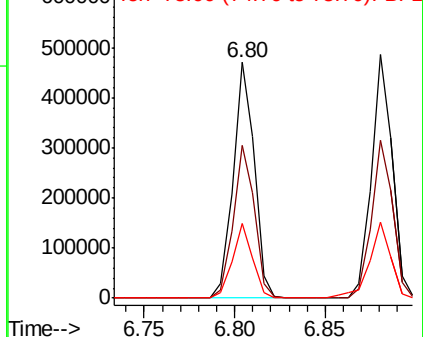


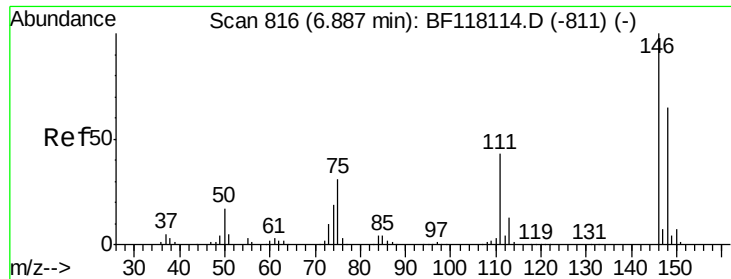
#12
1,3-Dichlorobenzene
Concen: 48.052 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion: 146 Resp: 382507
Ion Ratio Lower Upper
146 100
148 64.9 50.2 75.4
75 31.7 24.6 37.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

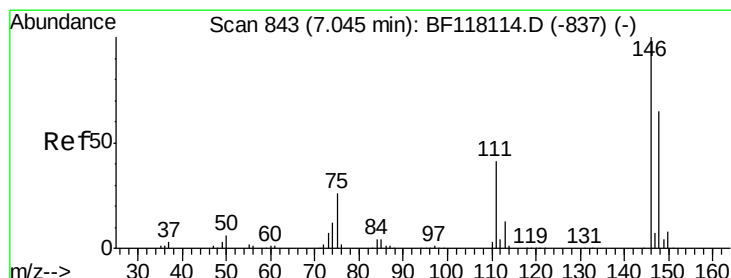
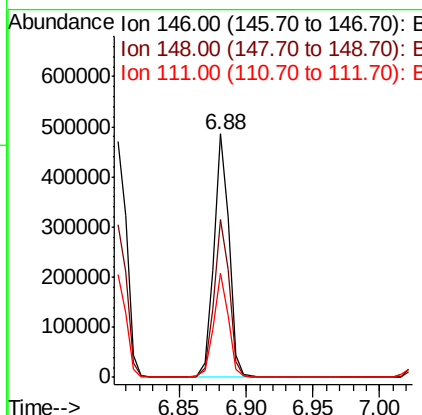
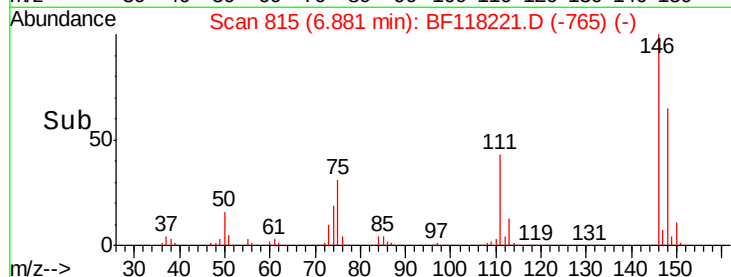
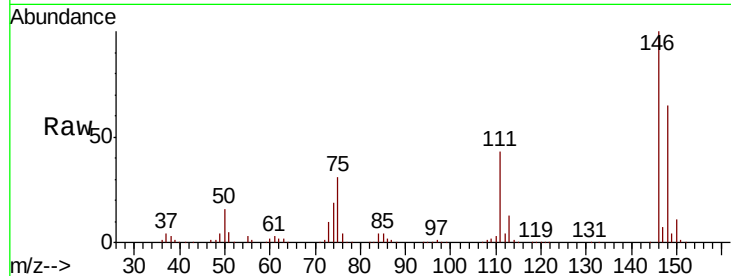




#13
 1,4-Dichlorobenzene
 Concen: 48.875 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

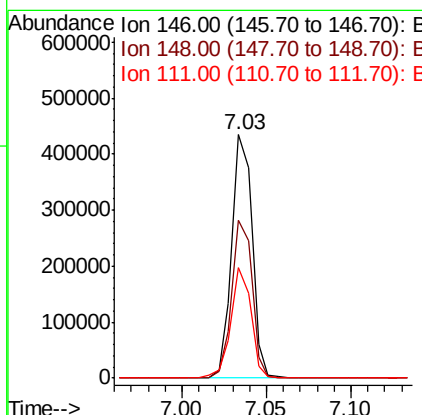
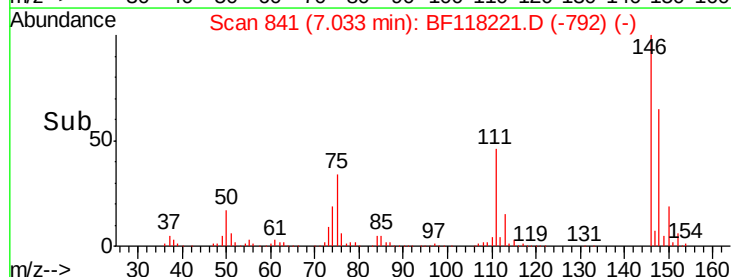
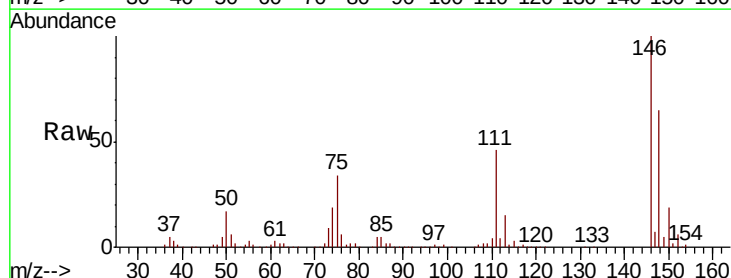
Instrument :
 BNA_F
 ClientSampleId :

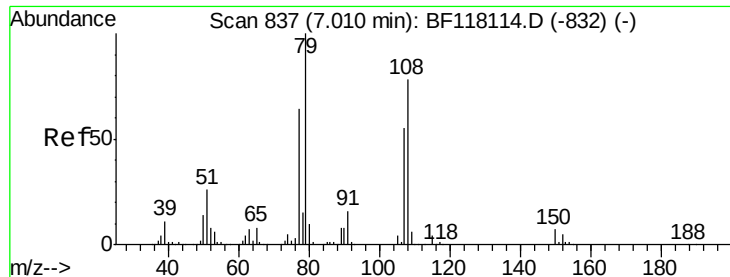
Tot Ion:146 Resp: 391762
 Ion Ratio Lower Upper
 146 100
 148 65.0 52.1 78.1
 111 42.8 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 48.378 ng
 RT: 7.03 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion:146 Resp: 364168
 Ion Ratio Lower Upper
 146 100
 148 64.7 52.2 78.2
 111 45.6 33.1 49.7





#15

Benzyl Alcohol

Concen: 50.825 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampled :

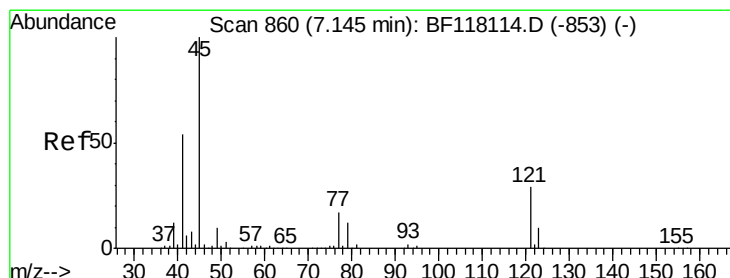
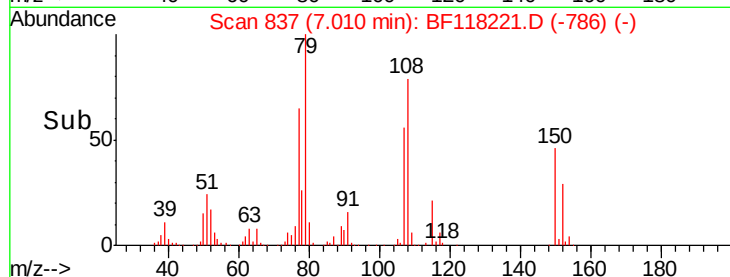
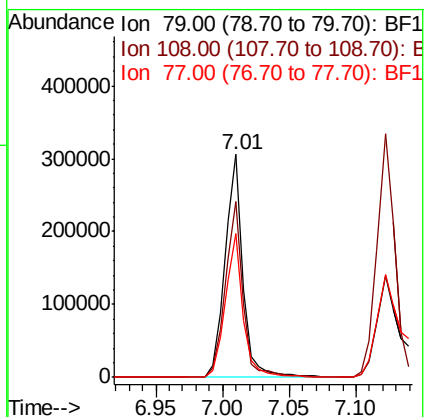
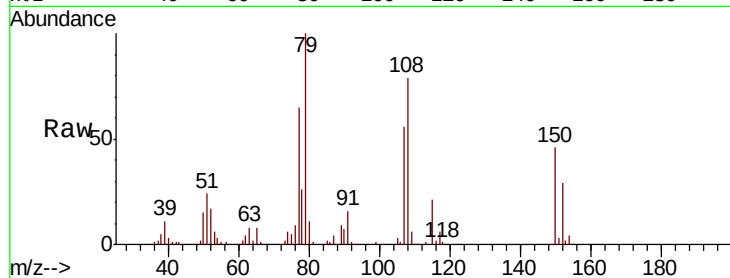
Tot Ion: 79 Resp: 289999

Ion Ratio Lower Upper

79 100

108 78.9 62.7 94.1

77 64.7 51.4 77.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 46.232 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

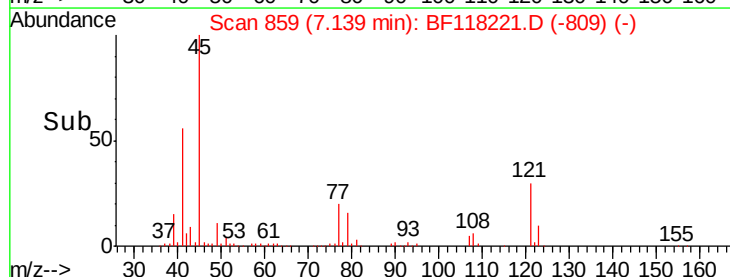
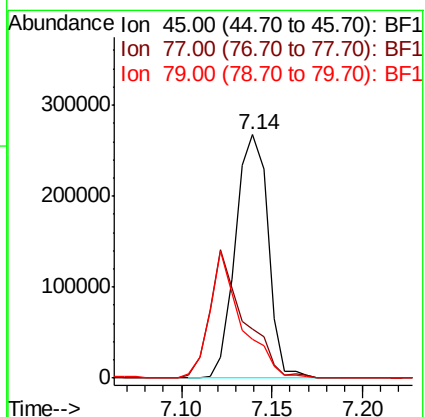
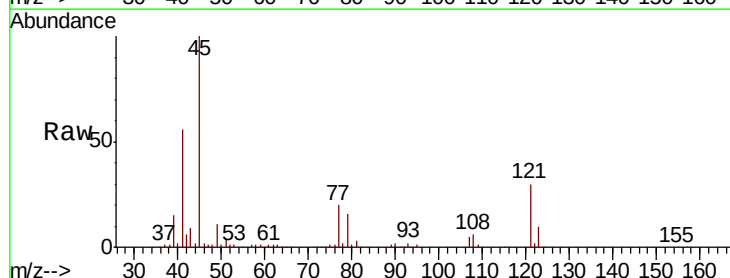
Tgt Ion: 45 Resp: 335131

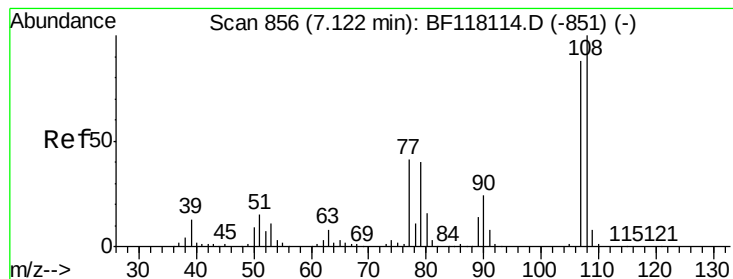
Ion Ratio Lower Upper

45 100

77 20.2 0.0 38.0

79 16.0 0.0 33.2

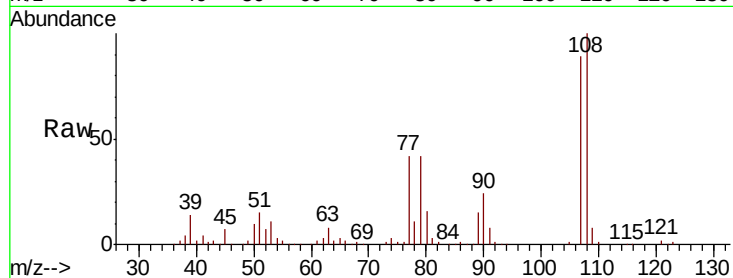




#17
2-Methylphenol
Concen: 50.938 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	276070
Ion	Ratio	Lower	Upper
107	100		
108	112.3	91.1	136.7
77	47.6	37.8	56.6
79	46.8	37.0	55.6



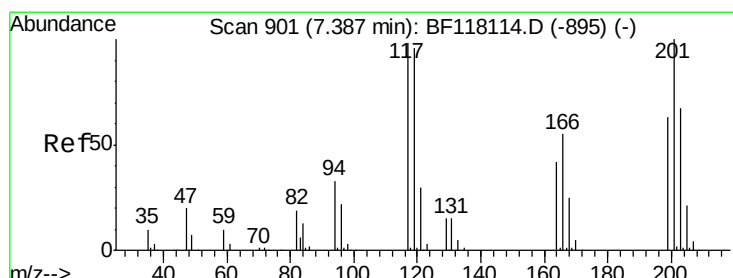
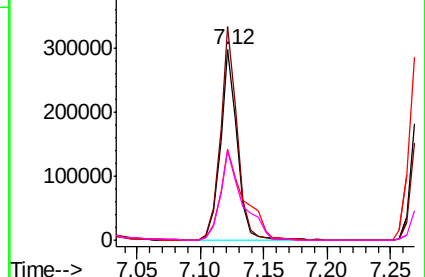
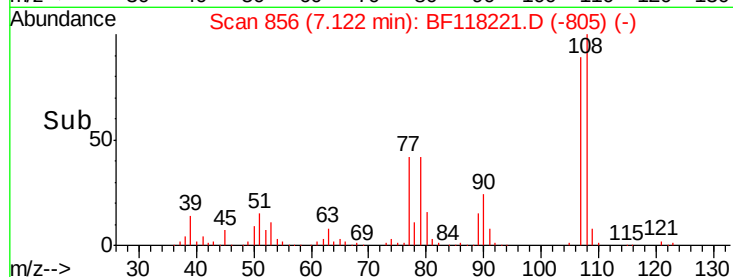
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

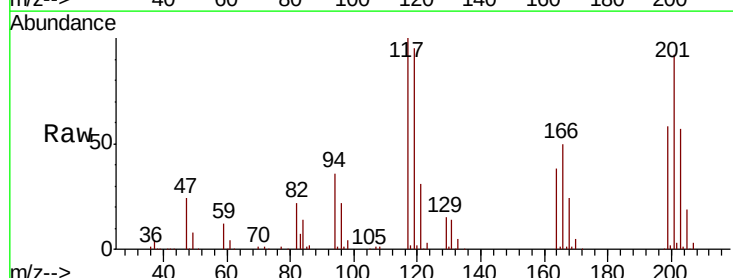
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 46.758 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:	117	Resp:	138104
Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.2	117.4
201	91.6	81.6	122.4

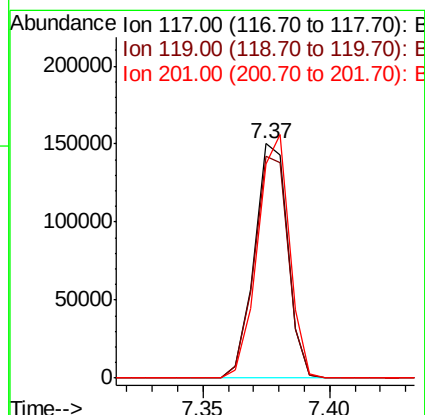
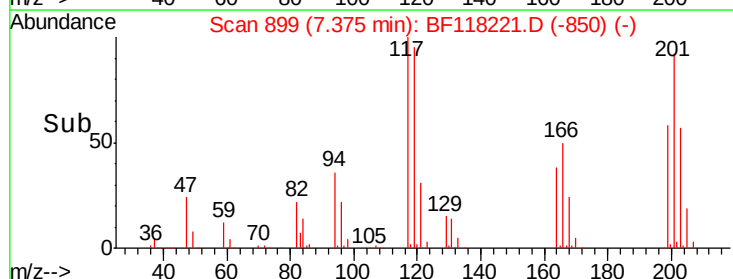


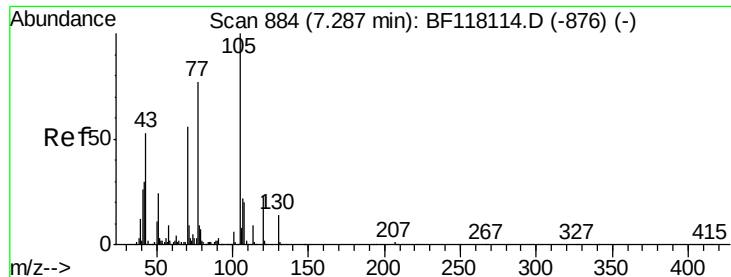
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

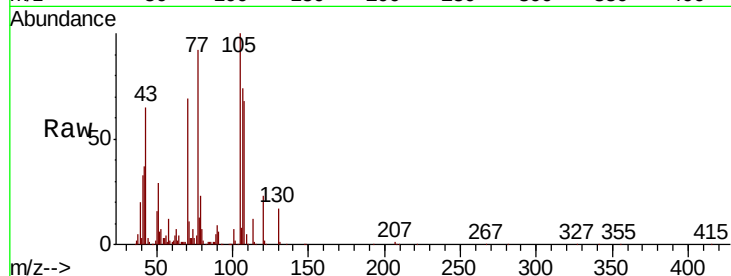




#19
n-Nitroso-di-n-propylamine
Concen: 48.900 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	53.8	43.2	64.8
101	10.4	8.1	12.1
130	24.9	19.8	29.8



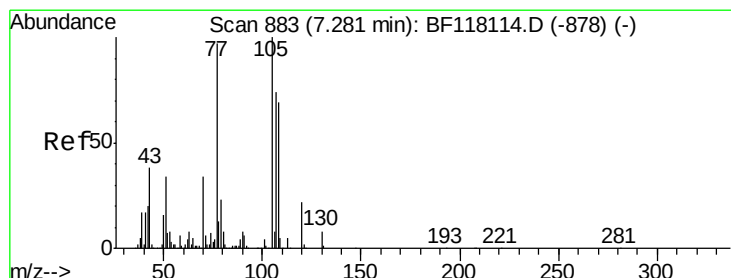
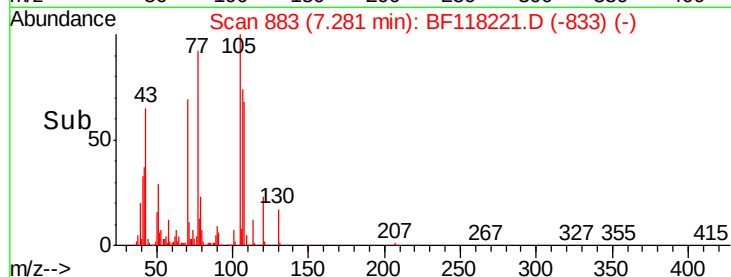
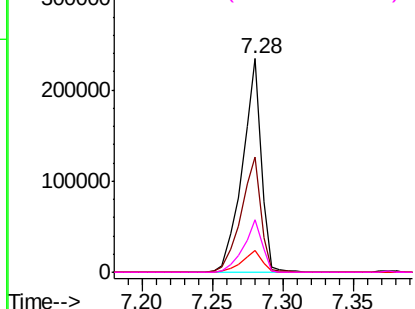
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 51.558 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.1	73.2	113.2
77	131.5	110.9	150.9
79	29.2	11.5	51.5

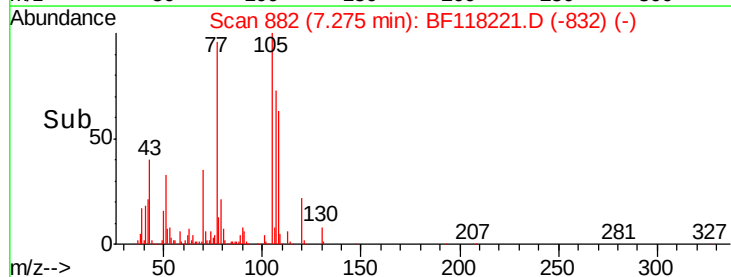
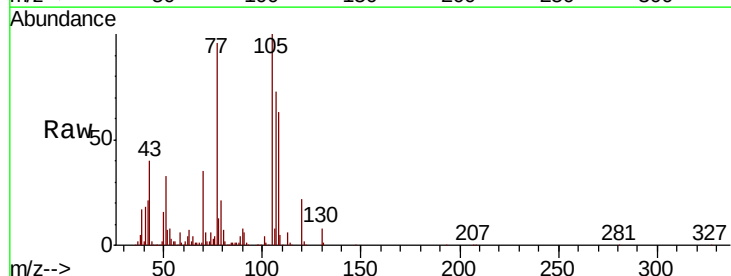
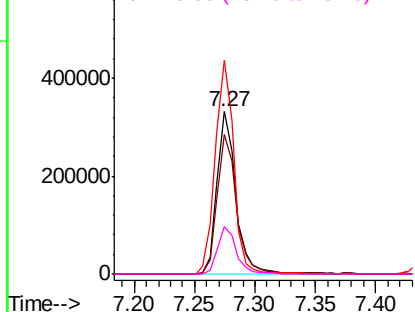
Abundance

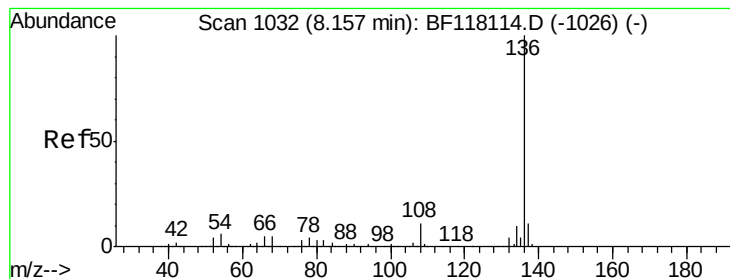
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 413853

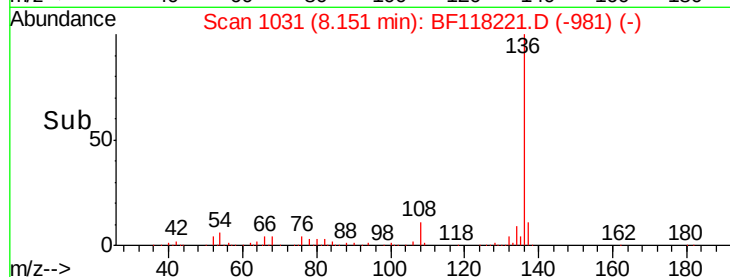
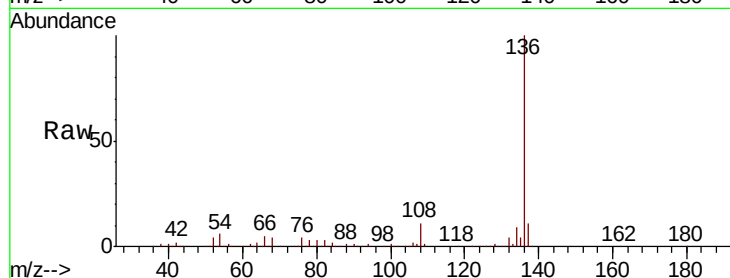
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 6.3 5.0 7.6

68 4.4 3.8 5.8

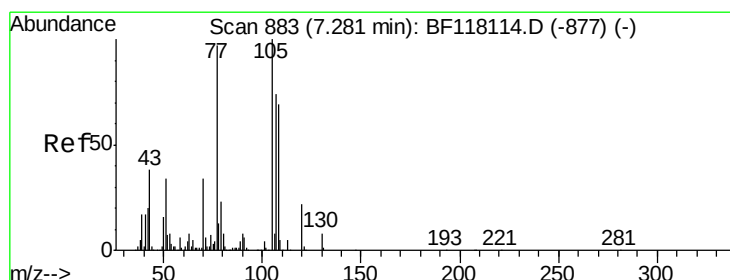
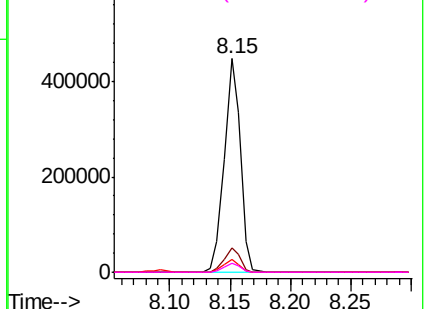


Abundance Ion 136.00 (135.70 to 136.70): E

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: 47.723 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Tgt Ion:105 Resp: 474492

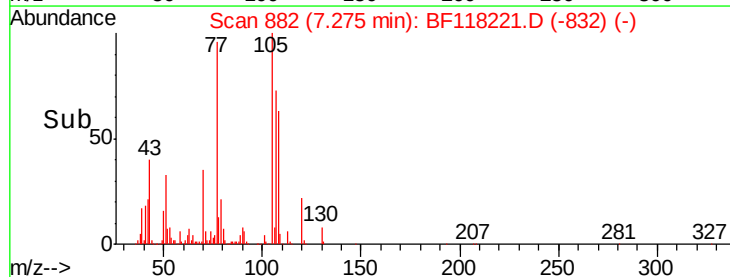
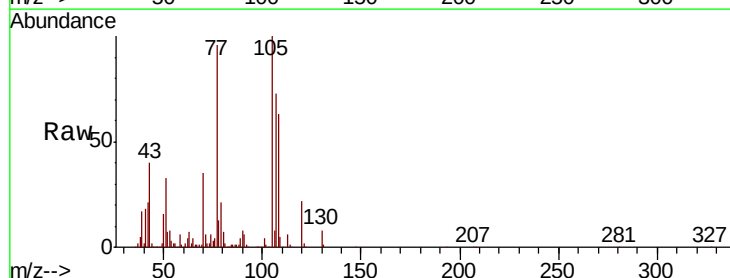
Ion Ratio Lower Upper

105 100

71 6.1 4.7 7.1

51 32.6 27.1 40.7

120 22.3 17.8 26.6

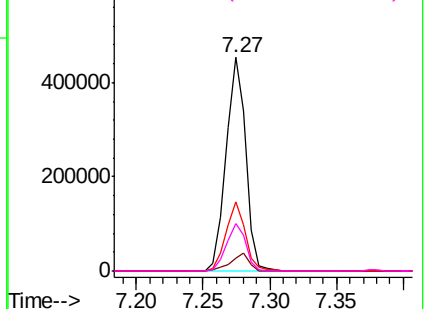


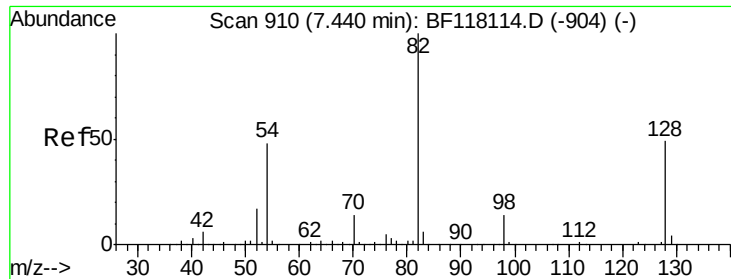
Abundance Ion 105.00 (104.70 to 105.70): E

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

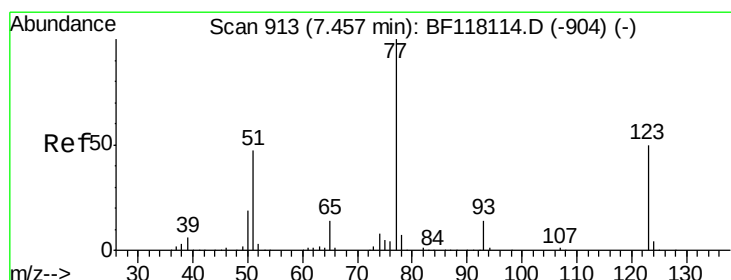
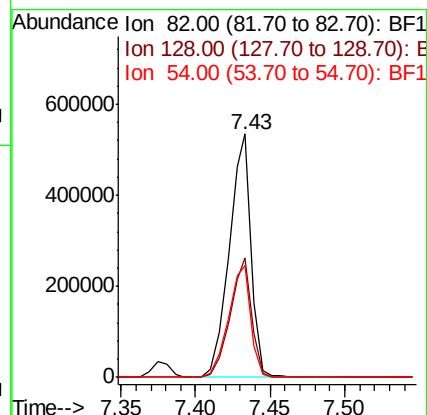
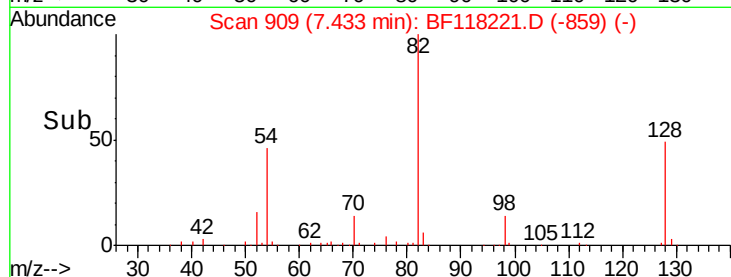
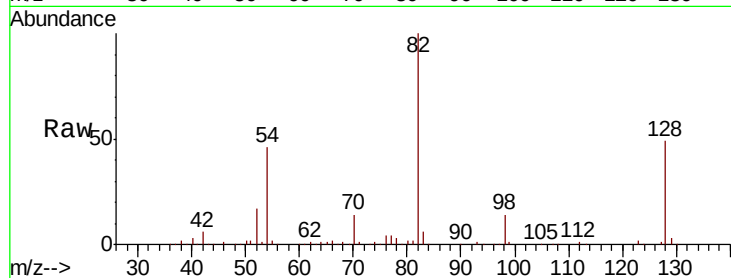




#23
Nitrobenzene-d5
Concen: 75.171 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

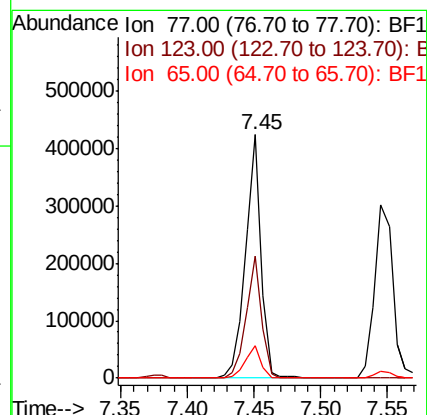
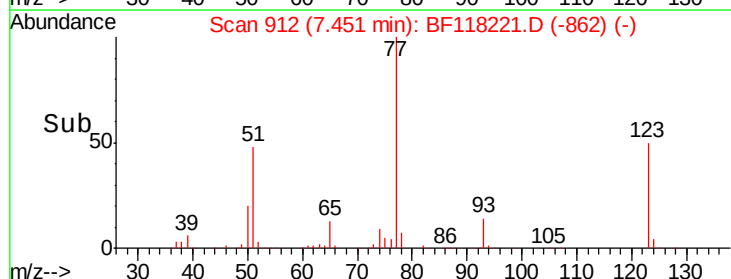
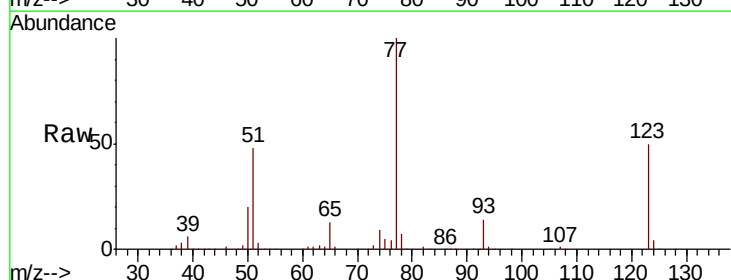
Instrument :
BNA_F
ClientSampleId :

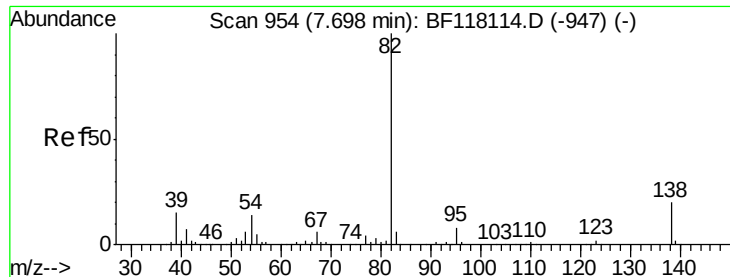
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.0	39.1	58.7
54	45.9	38.2	57.2



#24
Nitrobenzene
Concen: 47.454 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.0	40.1	60.1
65	13.2	10.9	16.3





#25

Isophorone

Concen: 48.364 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

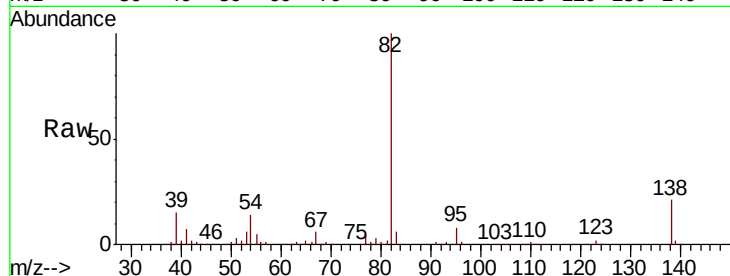
Tot Ion: 82 Resp: 603133

Ion Ratio Lower Upper

82 100

95 8.0 6.3 9.5

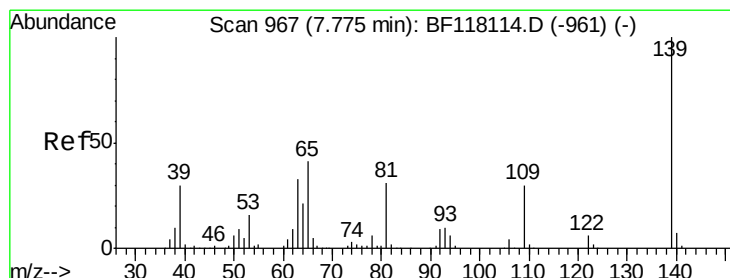
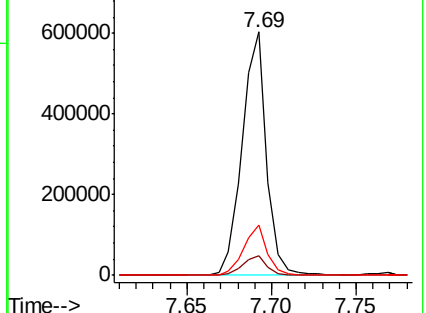
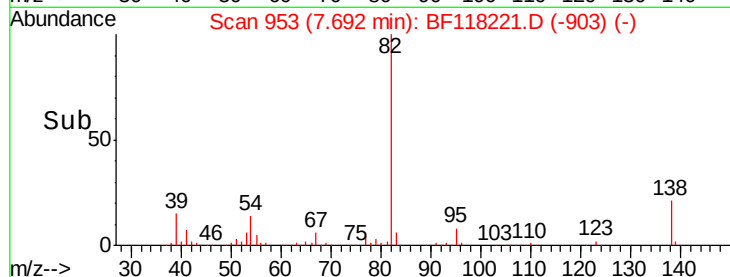
138 20.7 16.3 24.5



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: 49.913 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

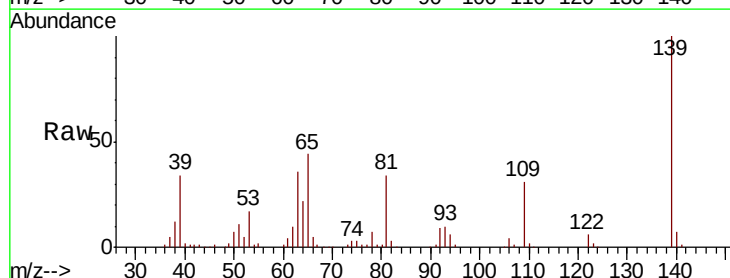
Tgt Ion: 139 Resp: 192818

Ion Ratio Lower Upper

139 100

109 31.4 23.9 35.9

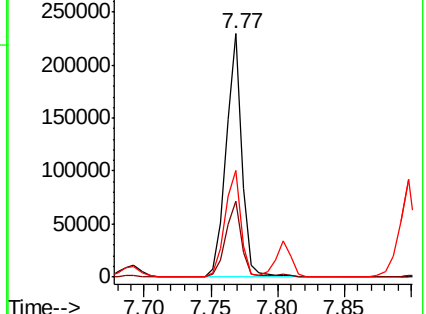
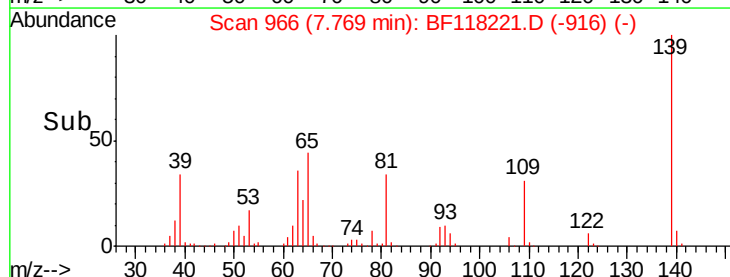
65 43.8 33.0 49.6

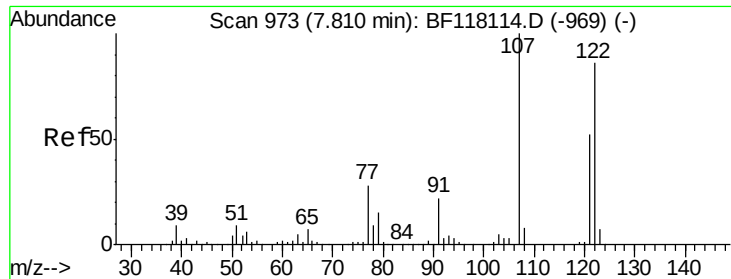


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 56.474 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampled :

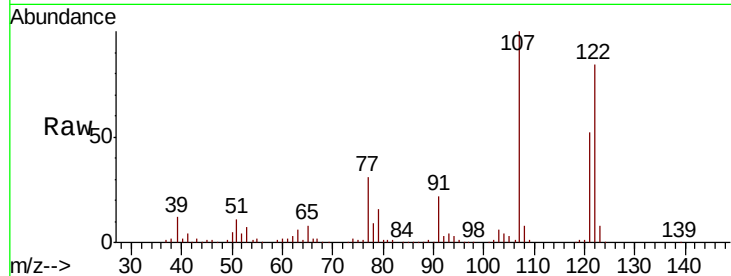
Tot Ion:122 Resp: 291004

Ion Ratio Lower Upper

122 100

107 118.9 92.9 139.3

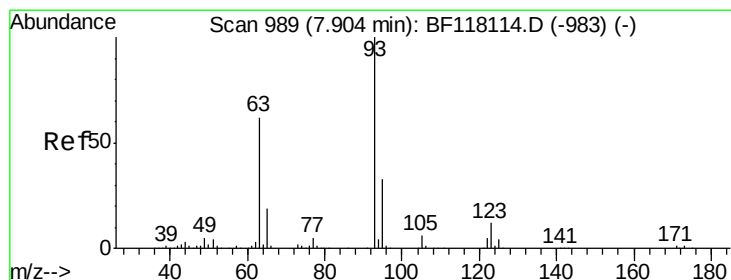
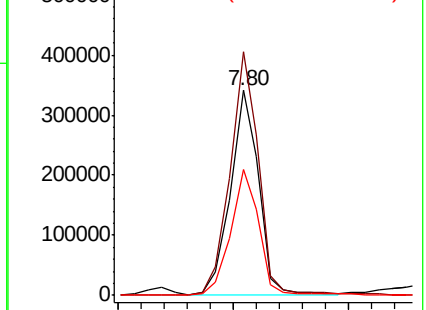
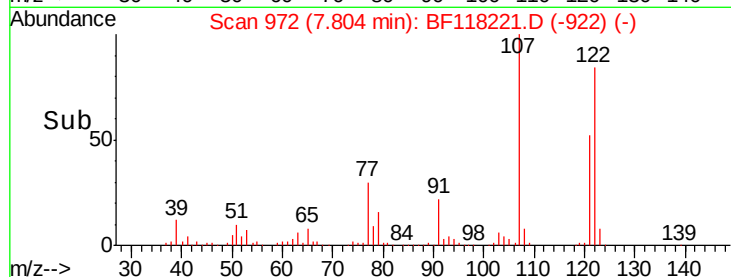
121 61.7 48.3 72.5



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: 46.168 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

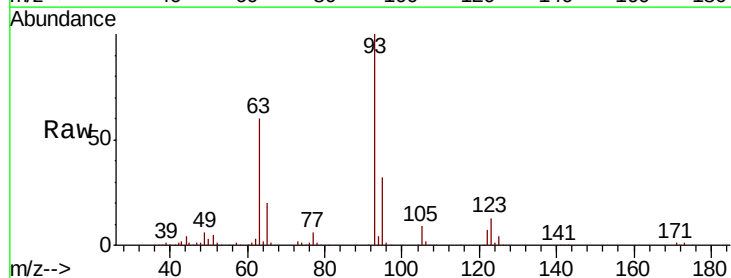
Tgt Ion: 93 Resp: 376207

Ion Ratio Lower Upper

93 100

95 32.5 26.7 40.1

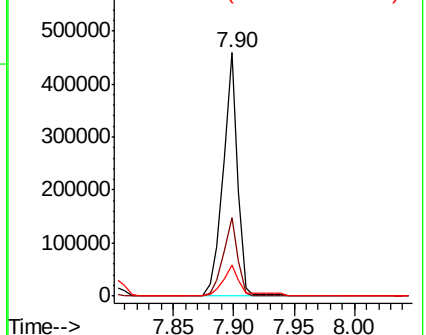
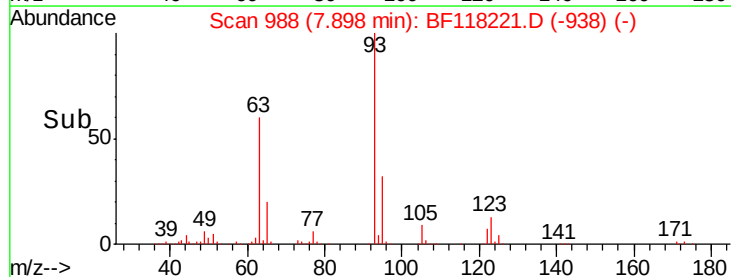
123 12.8 10.0 15.0

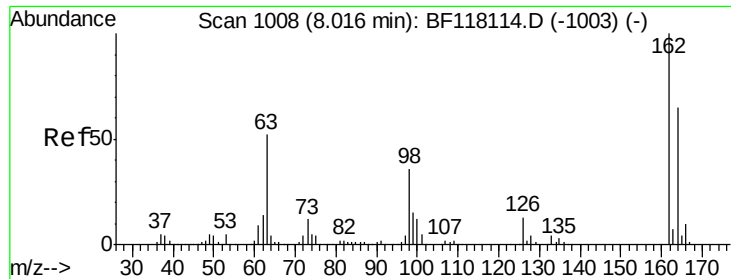


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

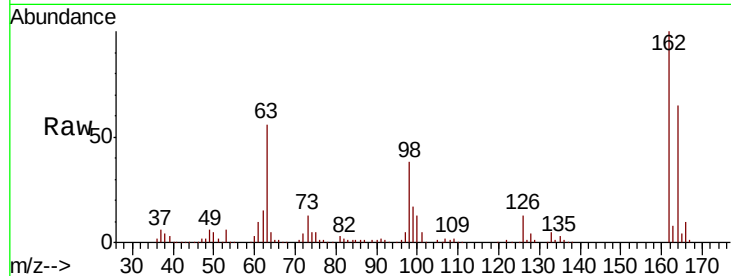




#29
 2,4-Dichlorophenol
 Concen: 48.734 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.3	45.2	85.2
98	38.1	15.9	55.9

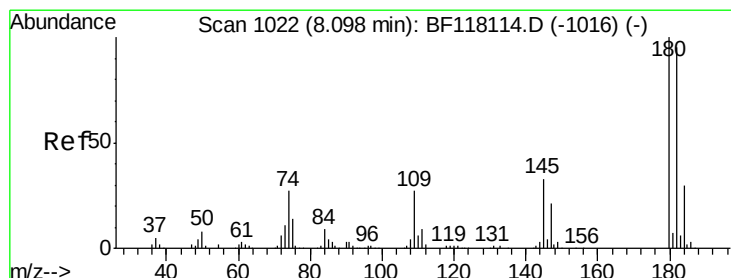
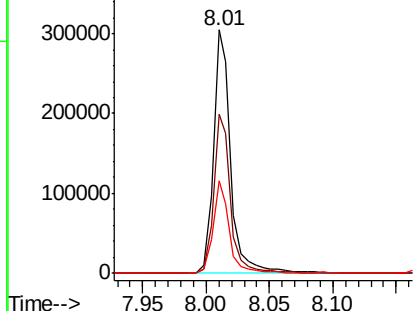
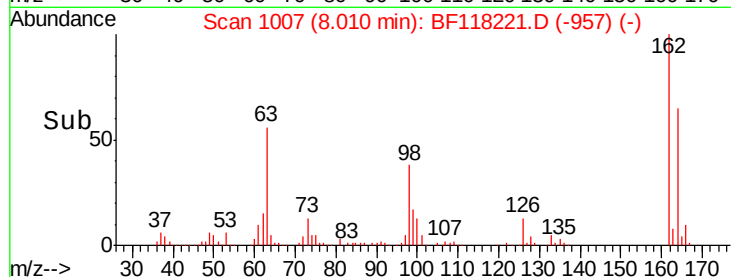


Abundance

Ion 162.00 (161.70 to 162.70): E

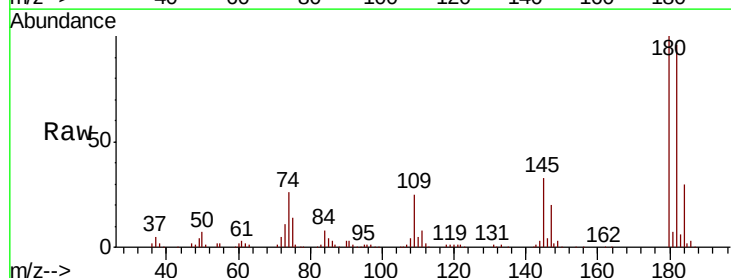
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 46.237 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.1	114.1
145	33.1	26.1	39.1

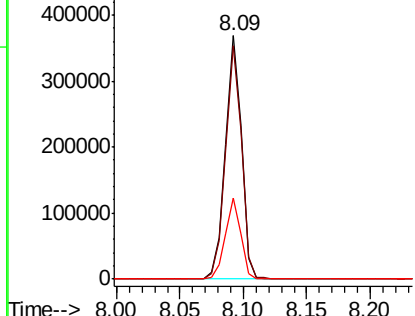
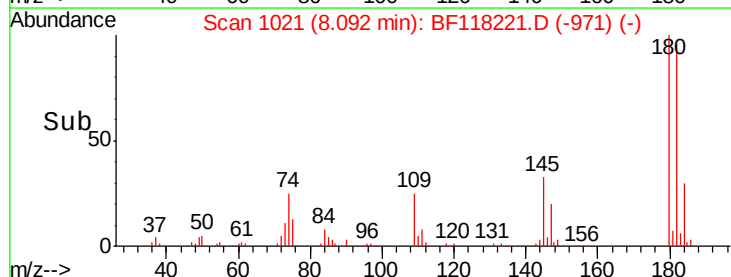


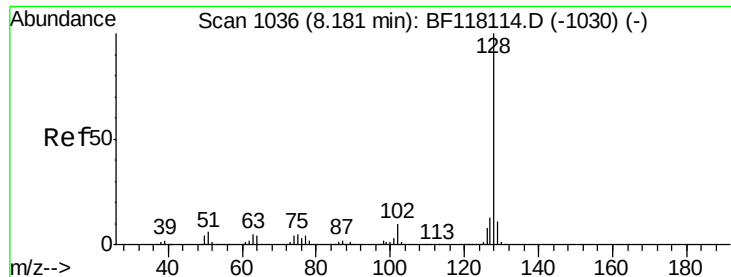
Abundance

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

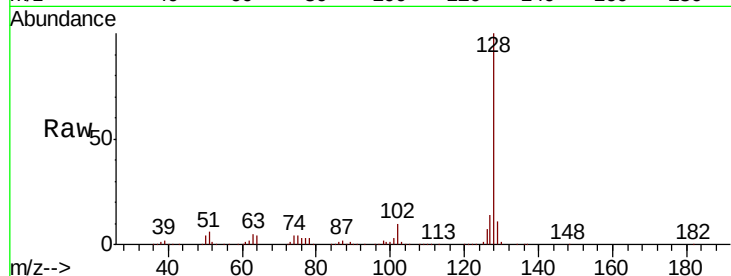




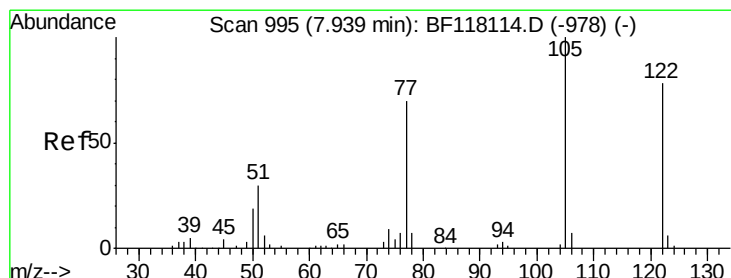
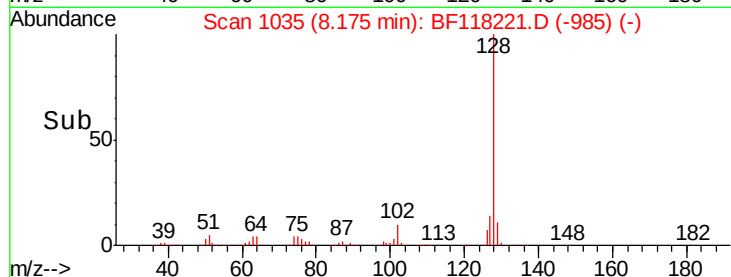
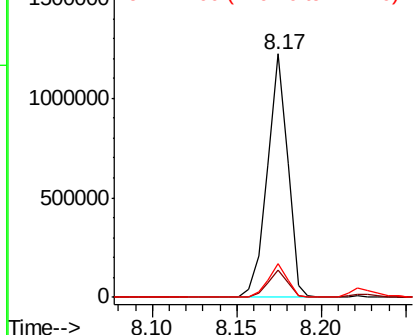
#31
Naphthalene
Concen: 48.943 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1017270
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.6 10.6 16.0

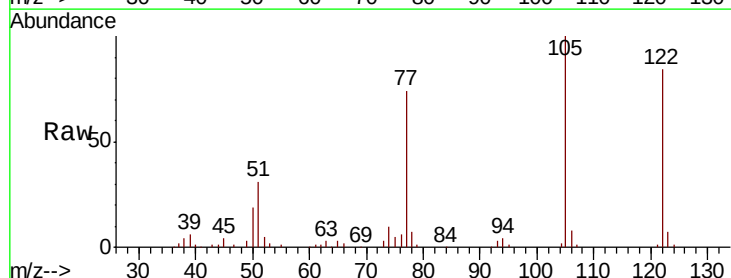


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

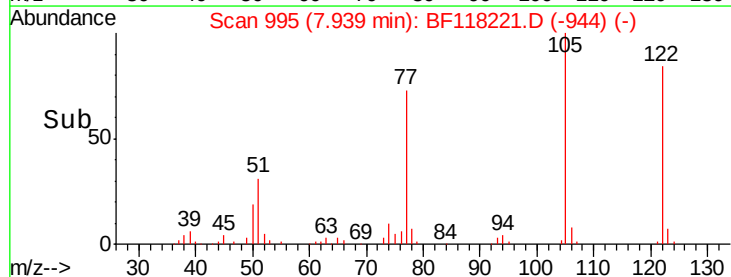
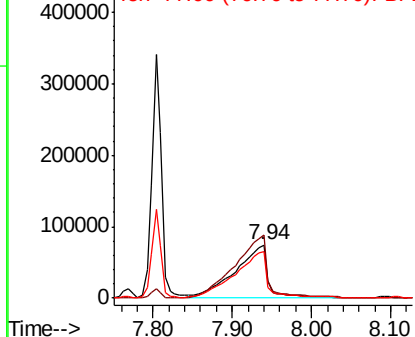


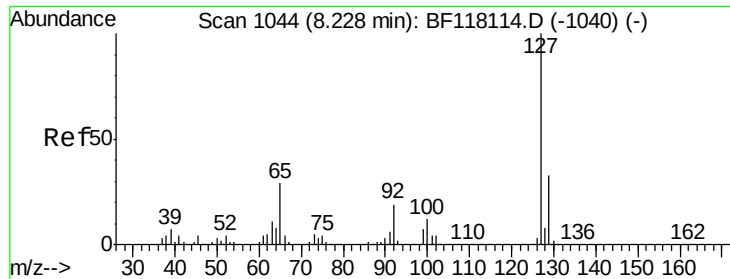
#32
Benzoic acid
Concen: 45.170 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:122 Resp: 210156
Ion Ratio Lower Upper
122 100
105 119.1 104.7 144.7
77 88.6 69.1 109.1



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

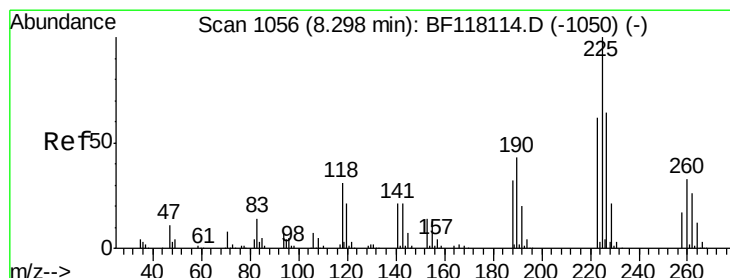
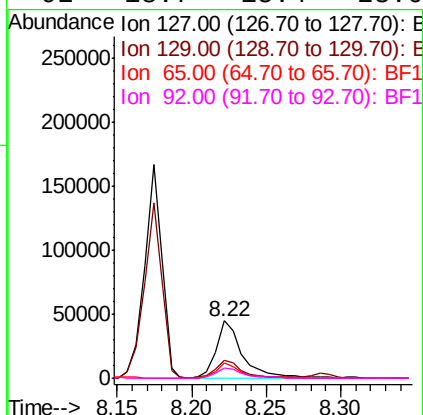
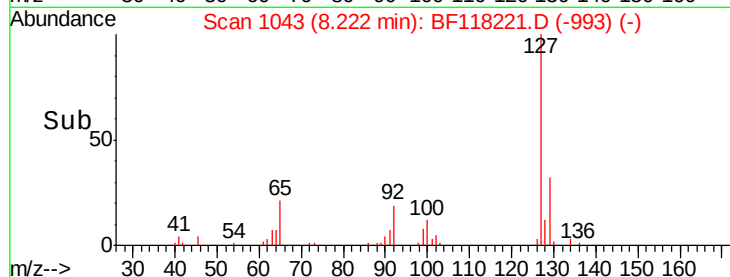
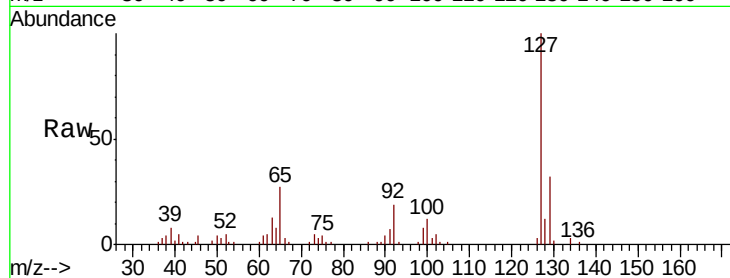




#33
4-Chloroaniline
Concen: 6.103 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

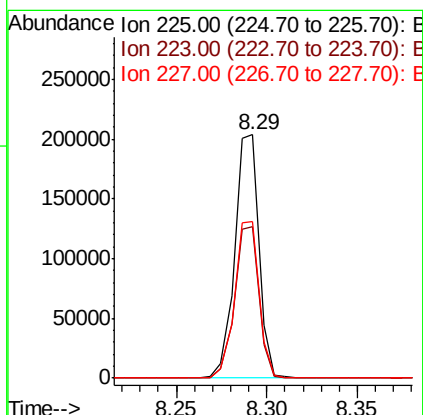
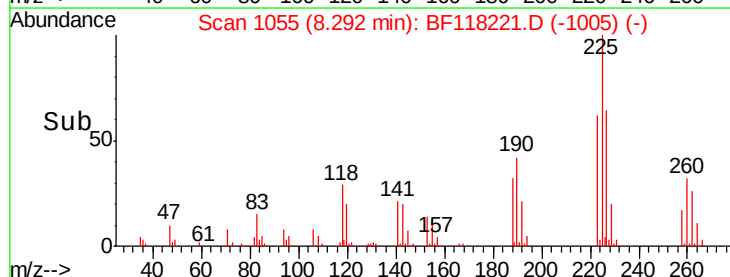
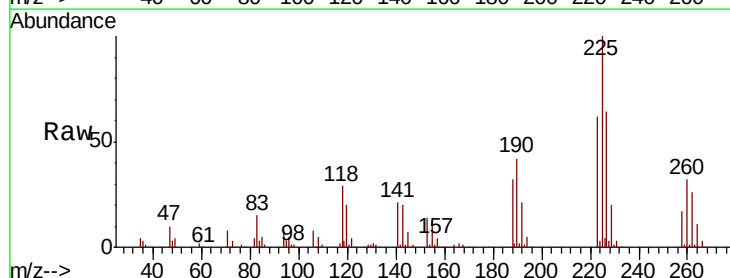
Instrument :
BNA_F
ClientSampled :

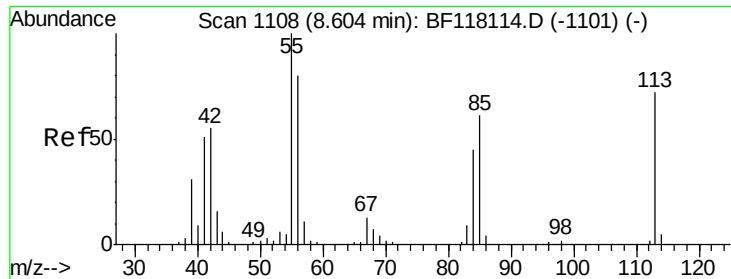
Tot Ion:	127	Resp:	54775
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.6	40.0
65	26.7	23.2	34.8
92	18.7	15.4	23.0



#34
Hexachlorobutadiene
Concen: 44.950 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:	225	Resp:	189224
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.6	74.4
227	64.1	51.0	76.6

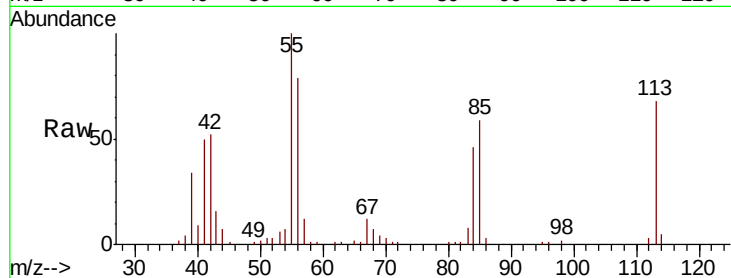




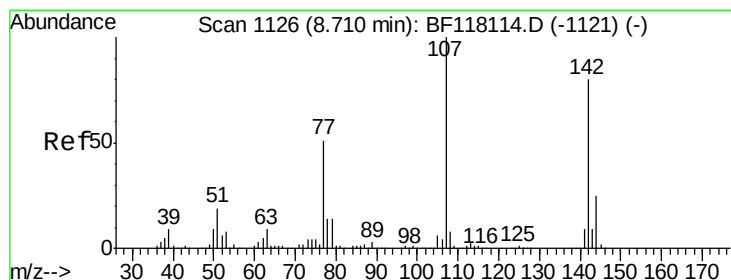
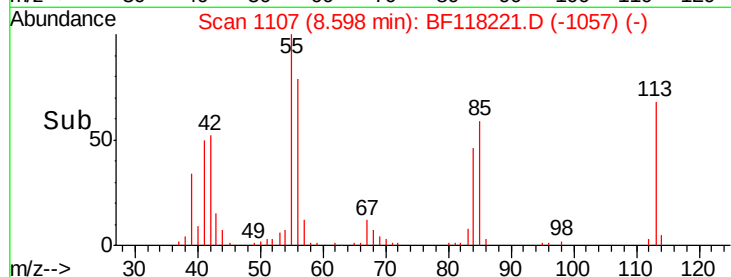
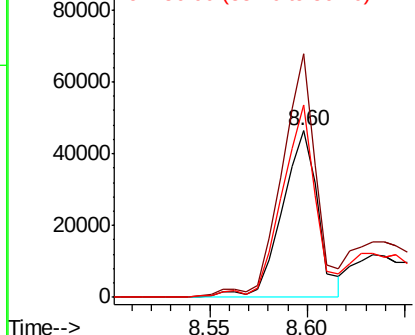
#35
Caprolactam
Concen: 31.807 ng
RT: 8.60 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:113 Resp: 58922
Ion Ratio Lower Upper
113 100
55 146.3 118.9 158.9
56 115.7 91.4 131.4

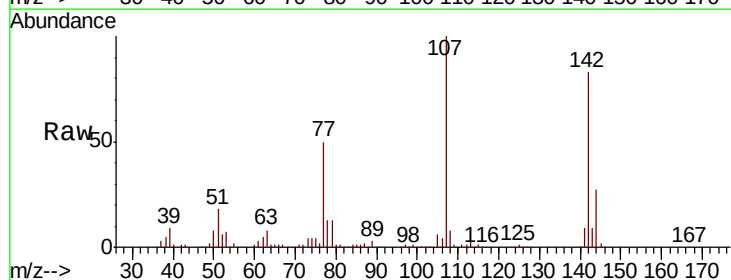


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

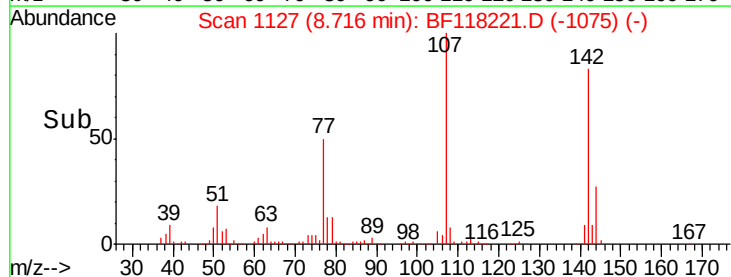
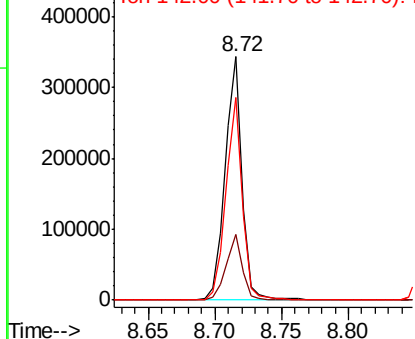


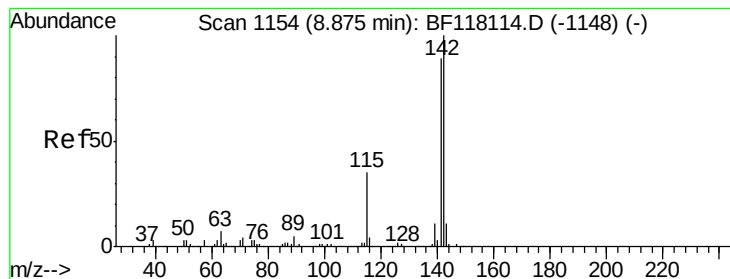
#36
4-Chloro-3-methylphenol
Concen: 48.727 ng
RT: 8.72 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:107 Resp: 308031
Ion Ratio Lower Upper
107 100
144 27.2 20.3 30.5
142 83.1 63.7 95.5



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: 48.859 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

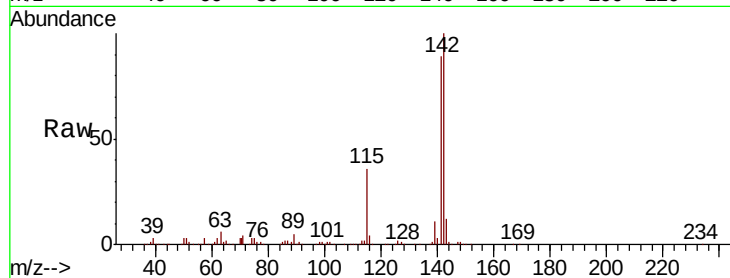
Tot Ion:142 Resp: 687514

Ion Ratio Lower Upper

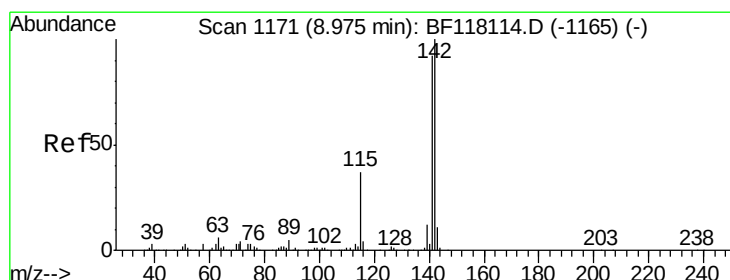
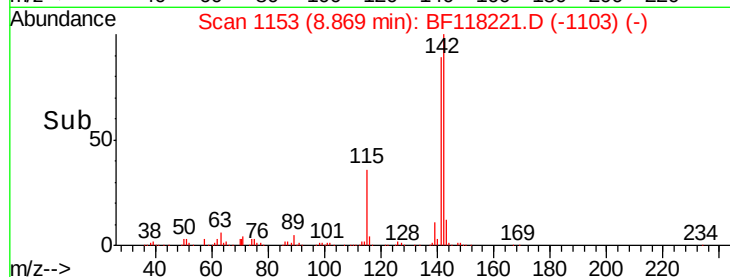
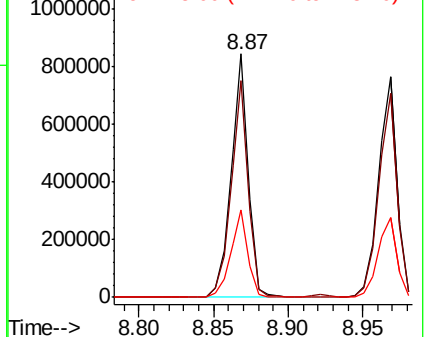
142 100

141 88.9 71.4 107.0

115 35.8 28.2 42.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 48.417 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

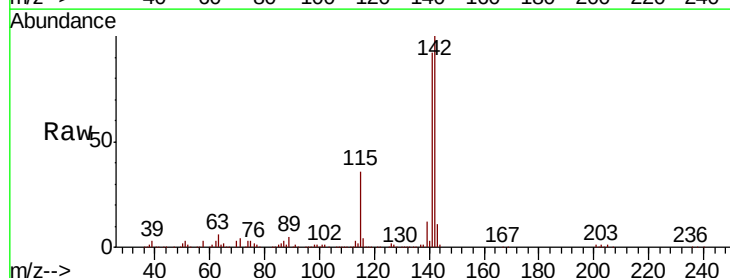
Tgt Ion:142 Resp: 639696

Ion Ratio Lower Upper

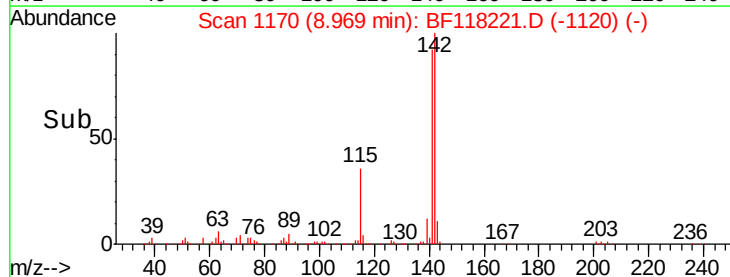
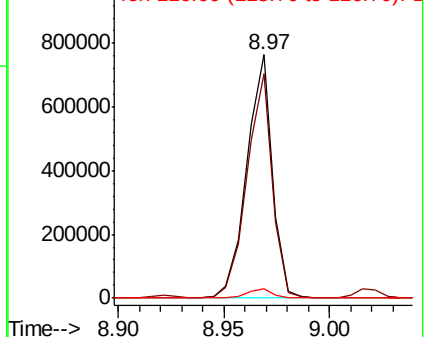
142 100

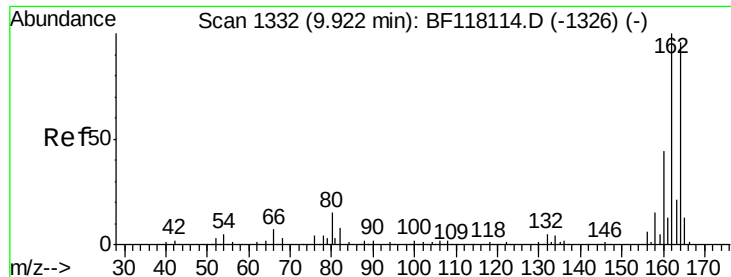
141 92.4 74.0 111.0

116 3.9 3.2 4.8



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

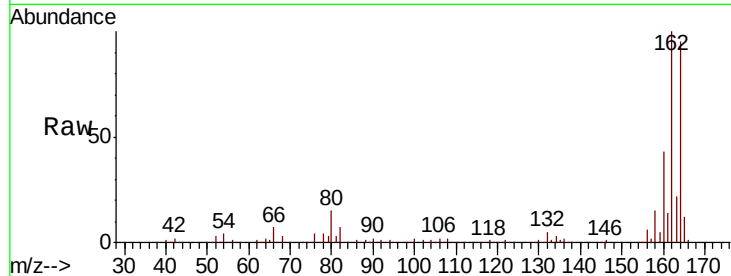




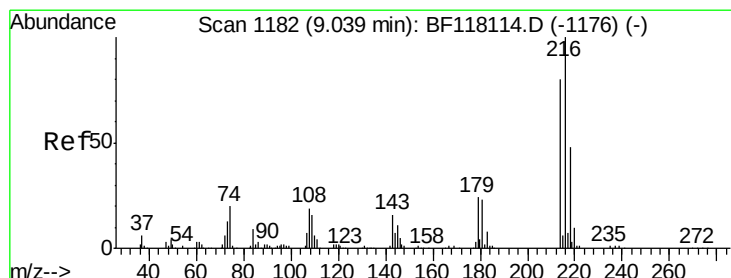
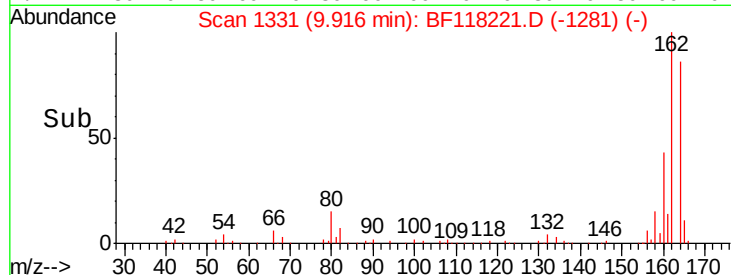
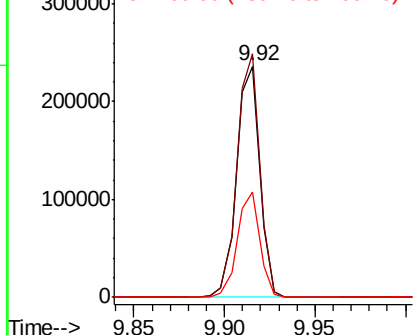
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 210369
Ion Ratio Lower Upper
164 100
162 105.2 83.4 125.0
160 45.4 36.6 54.8

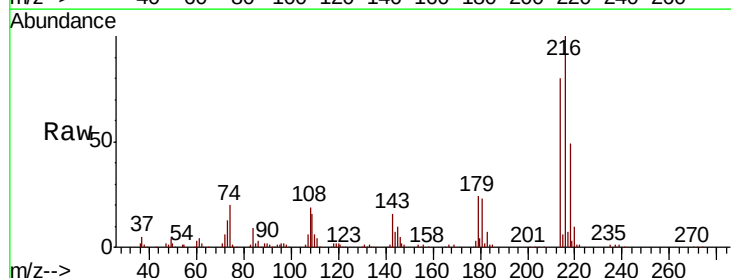


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

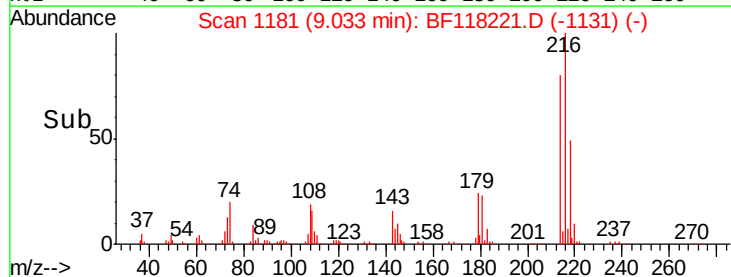
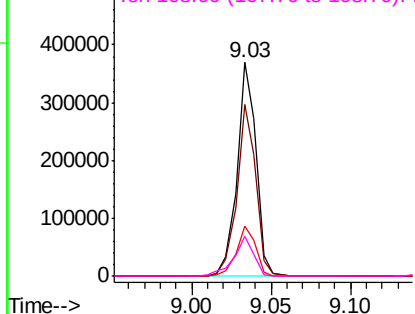


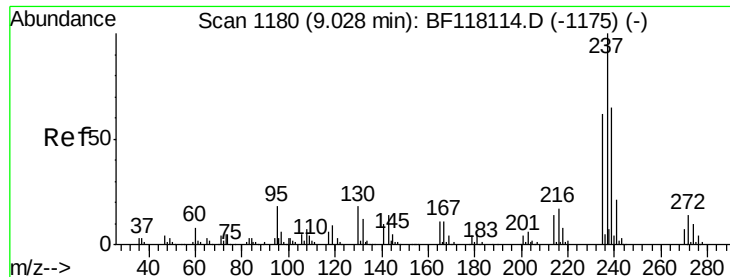
#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.105 ng
RT: 9.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:216 Resp: 306565
Ion Ratio Lower Upper
216 100
214 79.9 63.4 95.2
179 23.7 18.6 27.8
108 20.0 15.4 23.0



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: 73.079 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

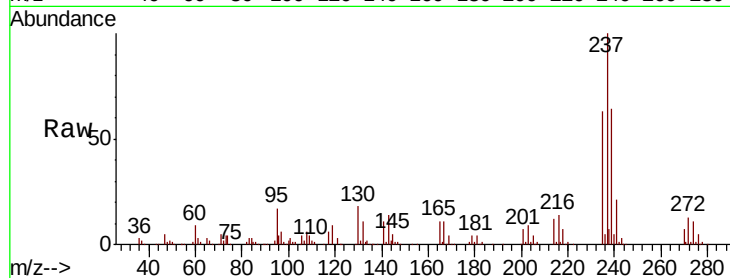
Tot Ion:237 Resp: 208664

Ion Ratio Lower Upper

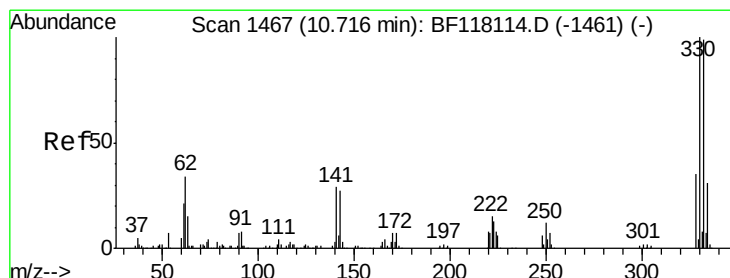
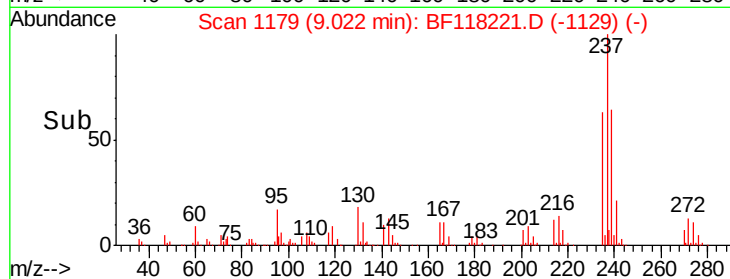
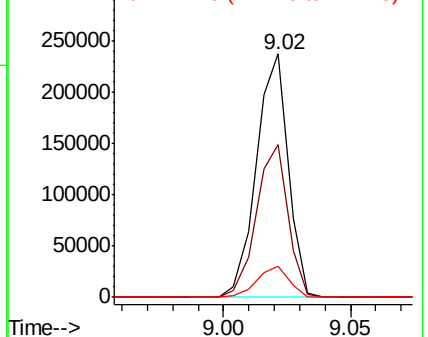
237 100

235 62.9 41.5 81.5

272 12.9 0.0 33.7



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: 114.575 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

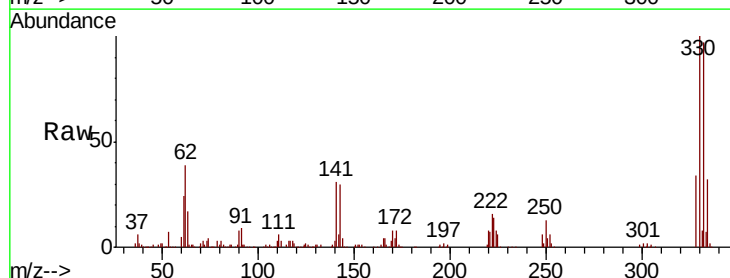
Tgt Ion:330 Resp: 292807

Ion Ratio Lower Upper

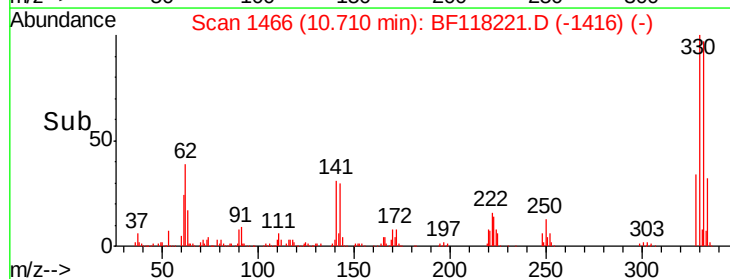
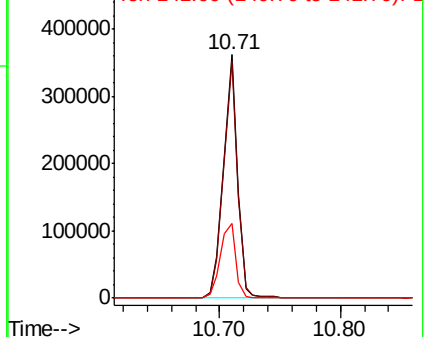
330 100

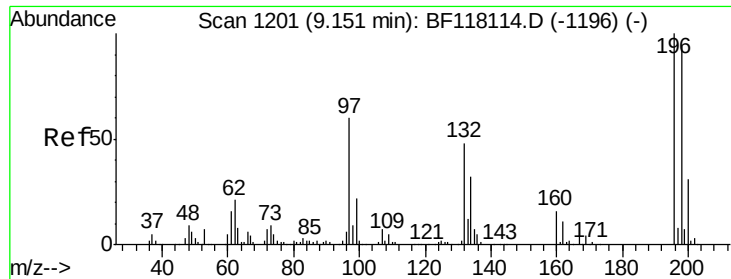
332 97.4 78.1 117.1

141 33.4 26.9 40.3



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

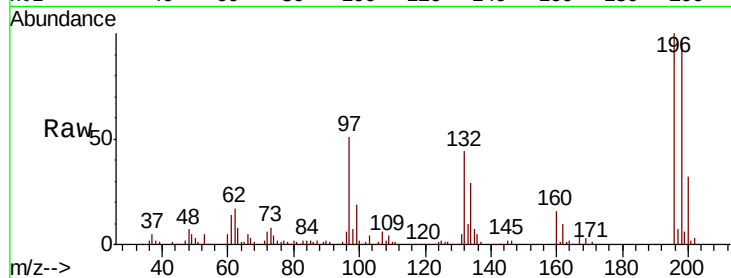




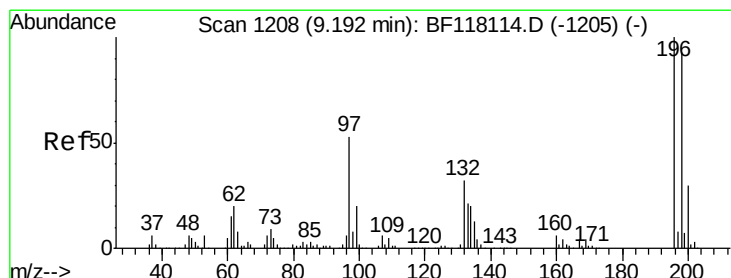
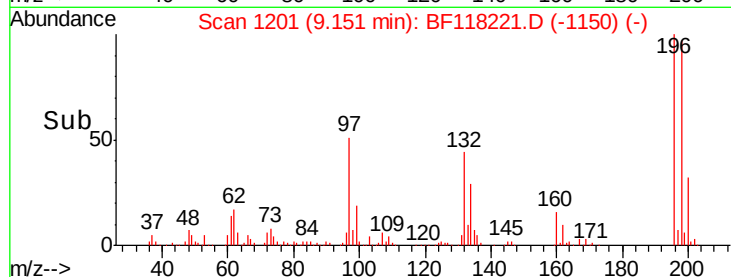
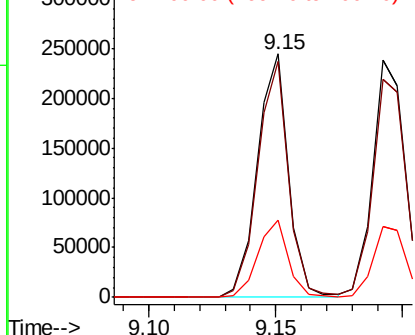
#43
 2,4,6-Trichlorophenol
 Concen: 49.080 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:196 Resp: 208838
 Ion Ratio Lower Upper
 196 100
 198 96.8 75.0 112.4
 200 31.7 24.5 36.7

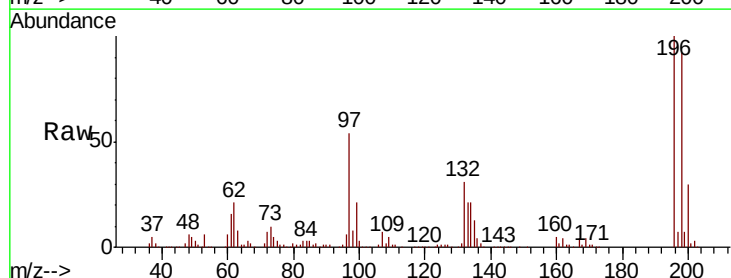


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

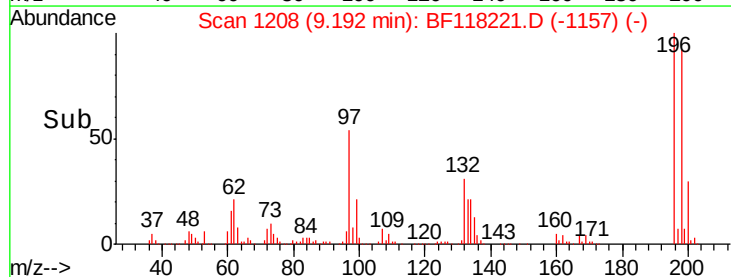
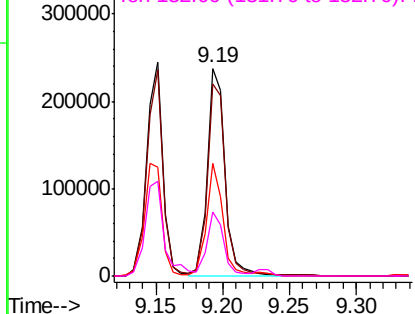


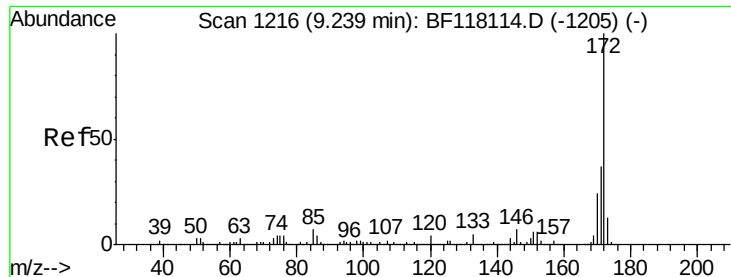
#44
 2,4,5-Trichlorophenol
 Concen: 50.532 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion:196 Resp: 222764
 Ion Ratio Lower Upper
 196 100
 198 92.3 74.2 111.4
 97 54.0 42.5 63.7
 132 30.6 25.4 38.2



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

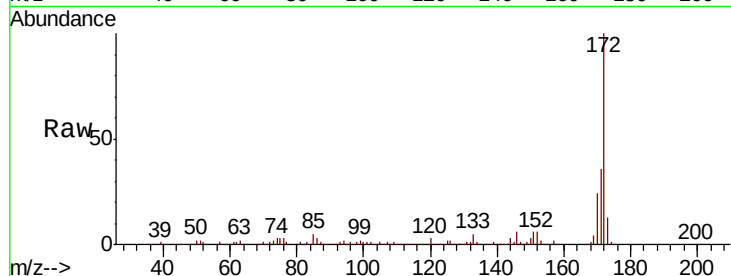




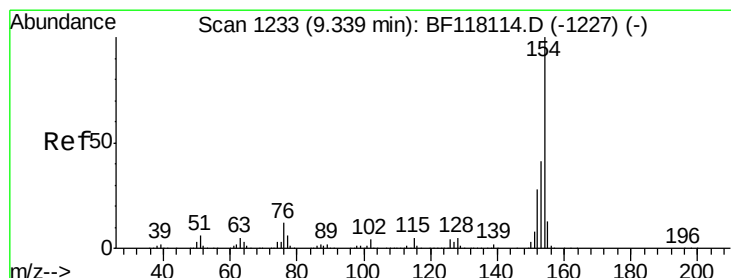
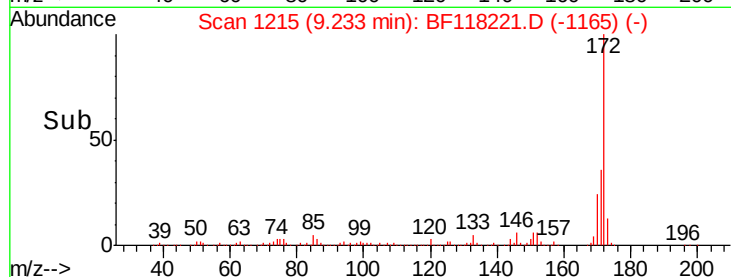
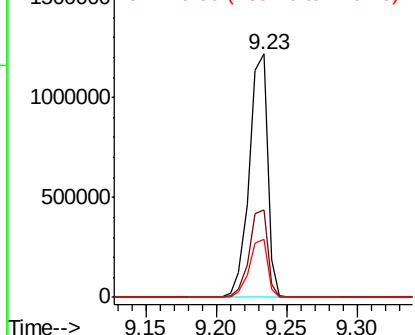
#45
2-Fluorobiphenyl
Concen: 80.902 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1118481
Ion Ratio Lower Upper
172 100
171 36.1 29.2 43.8
170 23.6 19.4 29.2

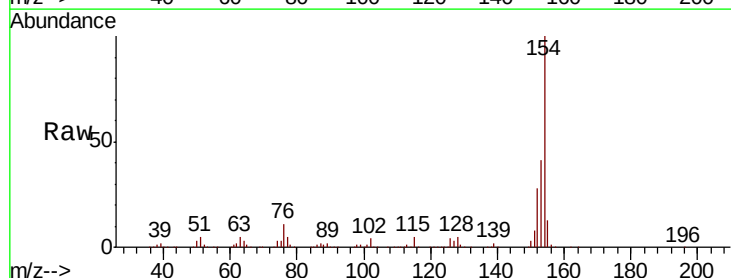


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

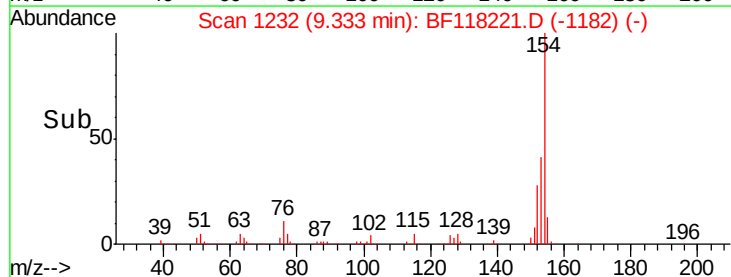
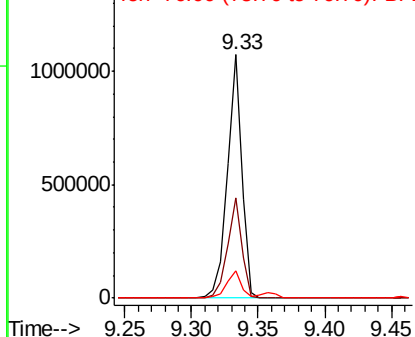


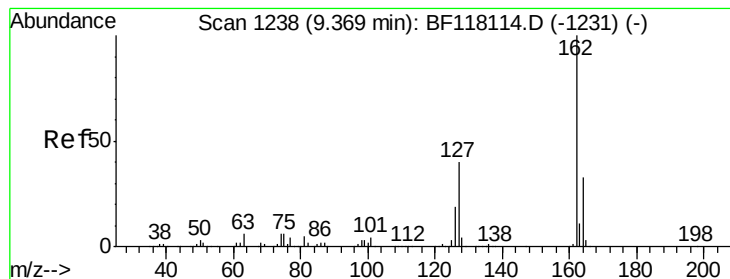
#46
1,1'-Biphenyl
Concen: 49.903 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:154 Resp: 827965
Ion Ratio Lower Upper
154 100
153 41.1 20.7 60.7
76 11.0 0.0 31.9



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: 47.896 ng

RT: 9.36 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

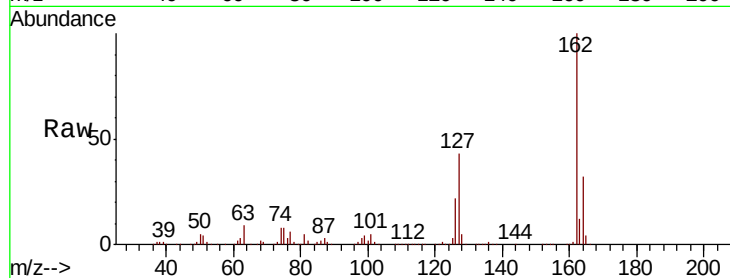
Tot Ion: 162 Resp: 639233

Ion Ratio Lower Upper

162 100

127 43.3 32.0 48.0

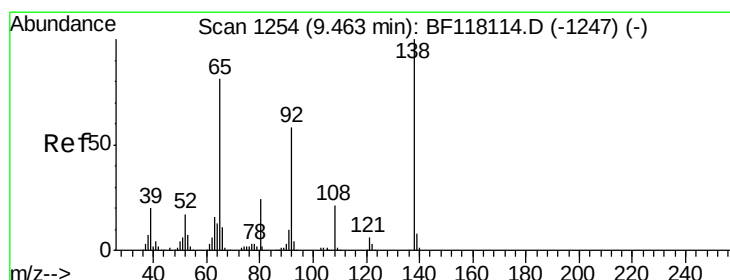
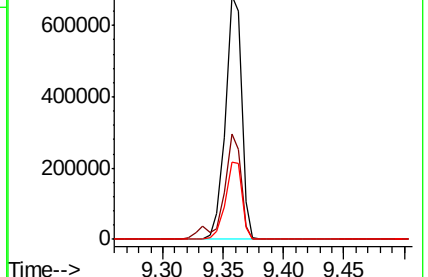
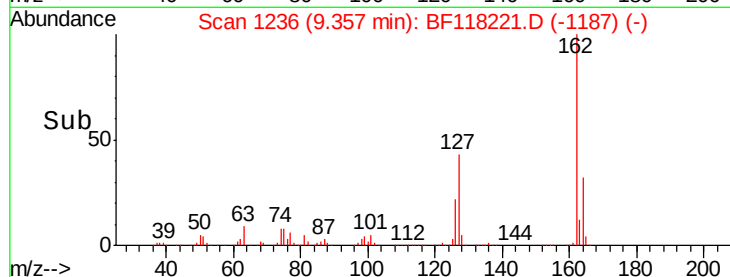
164 31.8 26.1 39.1



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: 45.612 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

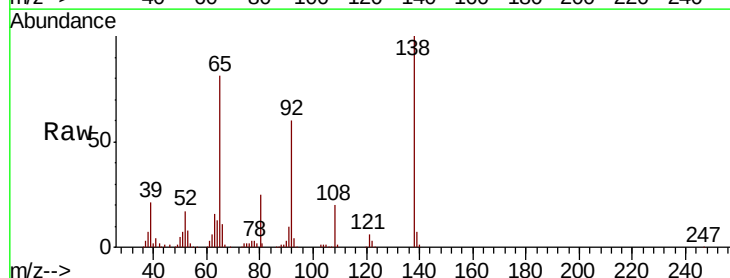
Tgt Ion: 65 Resp: 173600

Ion Ratio Lower Upper

65 100

92 74.2 57.8 86.6

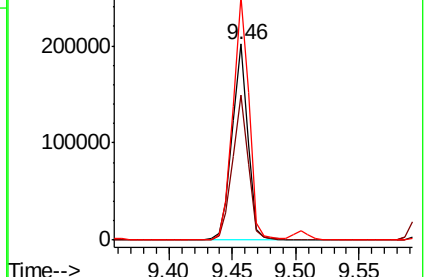
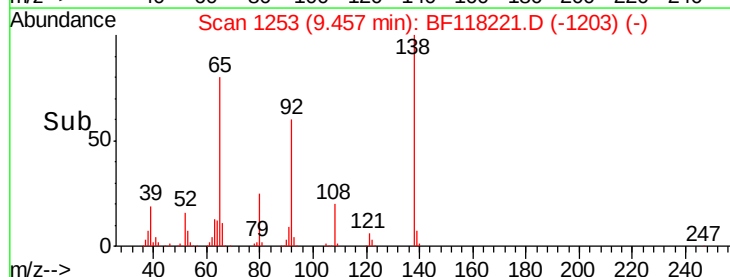
138 124.2 98.8 148.2

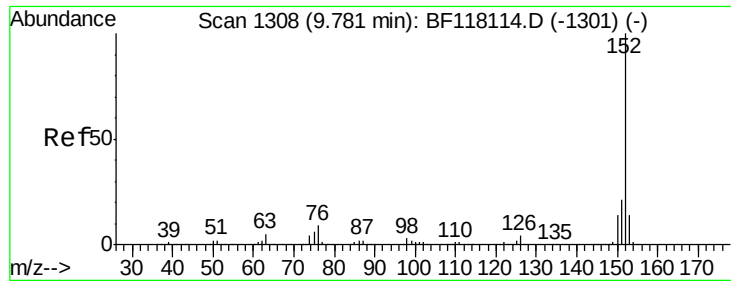


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 51.917 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

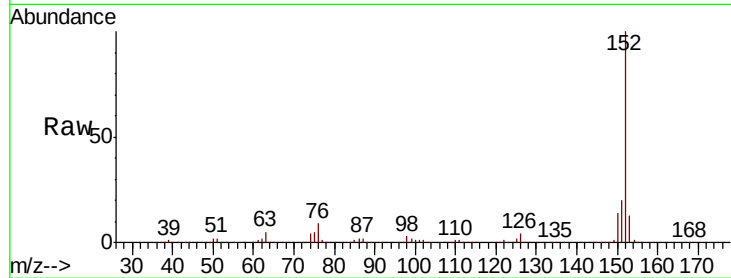
Instrument :

BNA_F

ClientSampled :

Tot Ion:152 Resp: 1021984

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	13.2	10.8	16.2

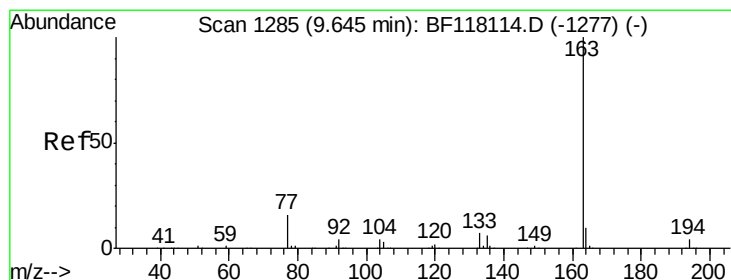
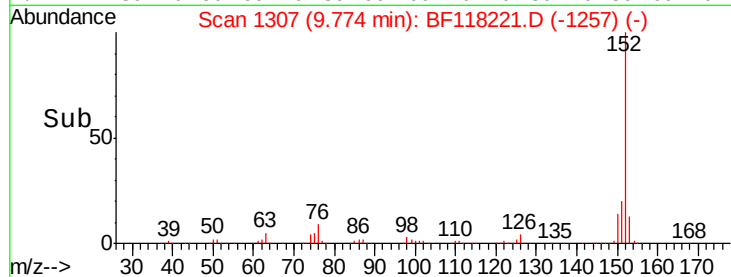
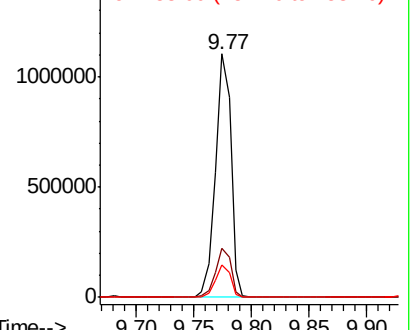


Abundance

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: 51.216 ng

RT: 9.63 min Scan# 1283

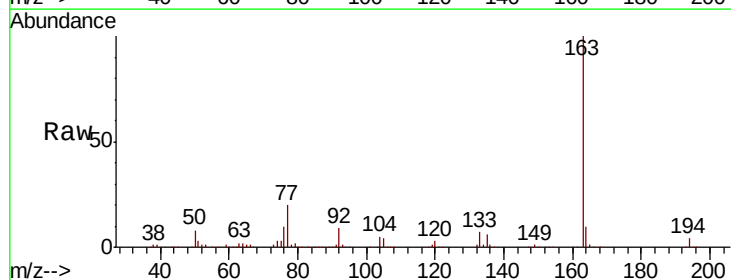
Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Tgt Ion:163 Resp: 795840

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	7.7	11.5

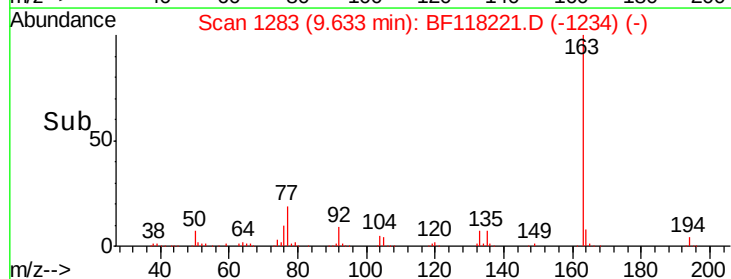
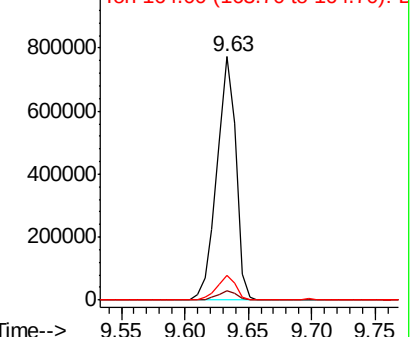


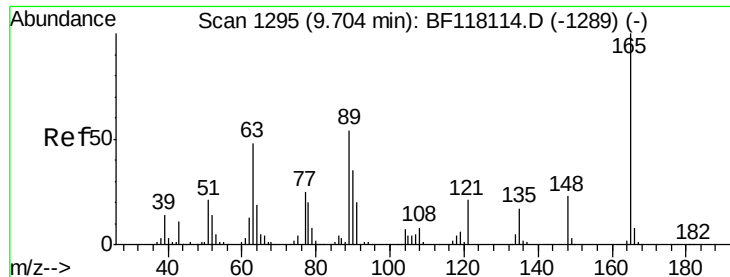
Abundance

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

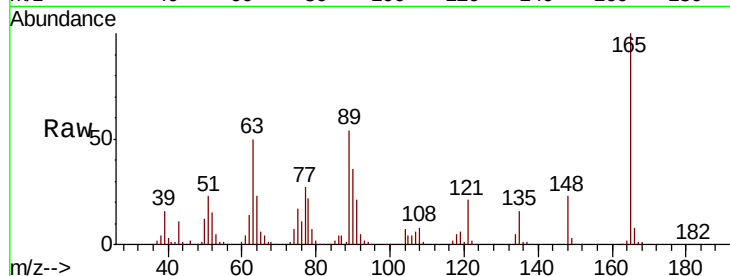




#51
 2,6-Dinitrotoluene
 Concen: 50.311 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.6	41.4	62.0
89	54.3	42.9	64.3

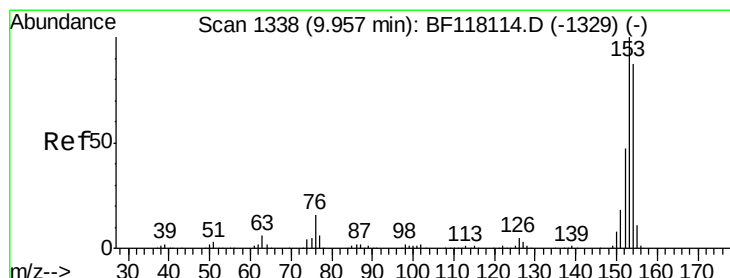
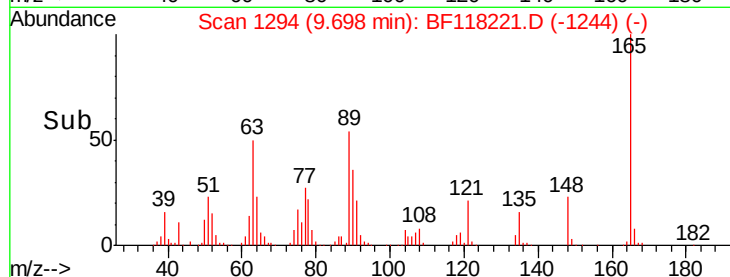
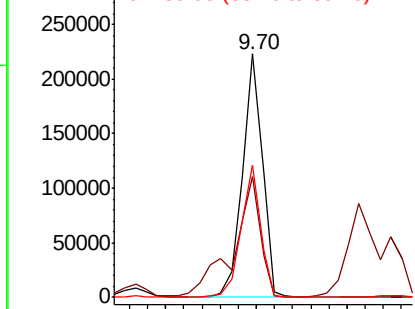


Abundance

Ion 165.00 (164.70 to 165.70): E

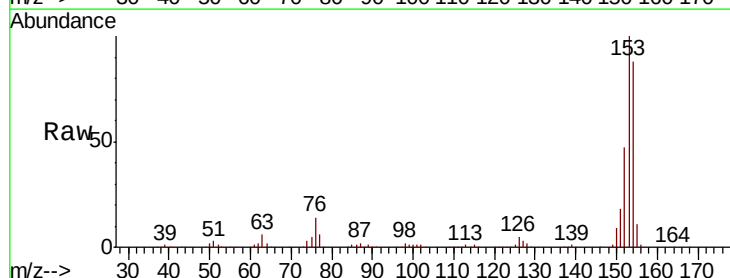
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 48.280 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.8	137.6
152	53.3	43.3	64.9

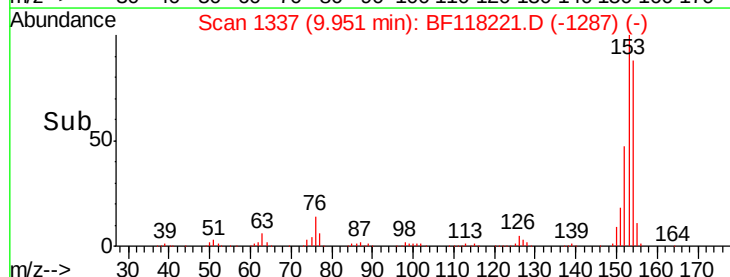
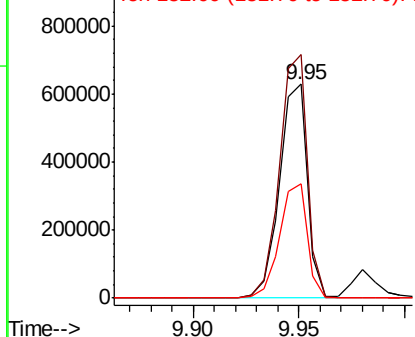


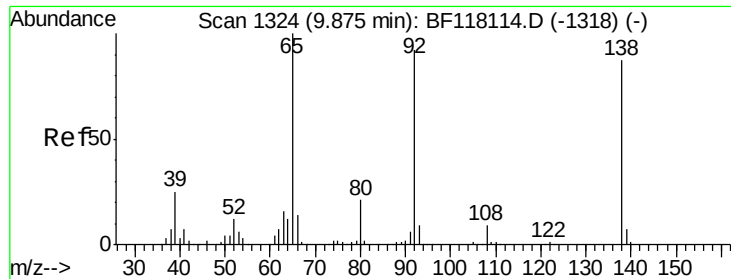
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

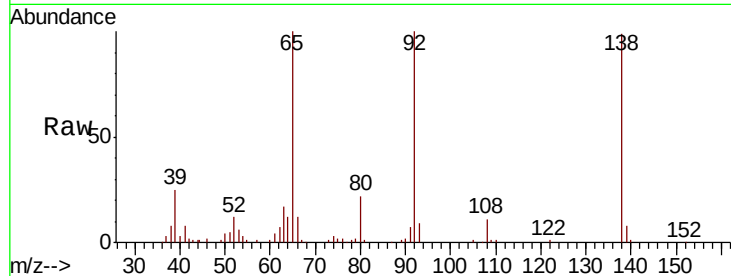




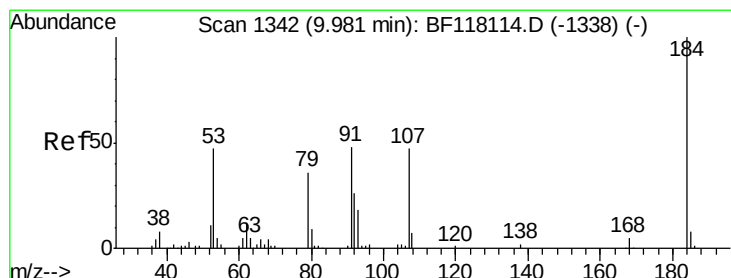
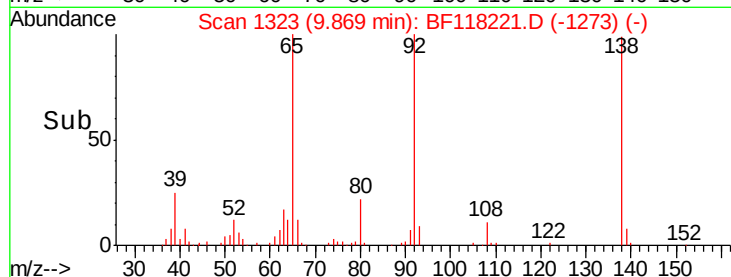
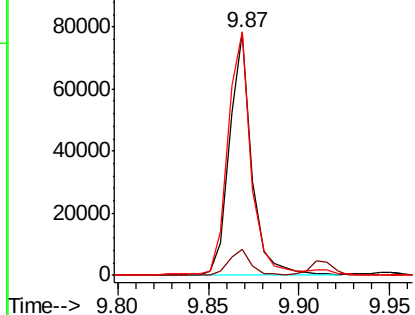
#53
3-Nitroaniline
Concen: 16.931 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:138 Resp: 67325
Ion Ratio Lower Upper
138 100
108 10.9 8.2 12.4
92 100.2 84.9 127.3

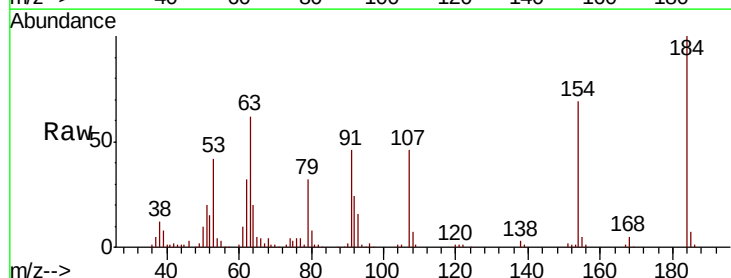


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

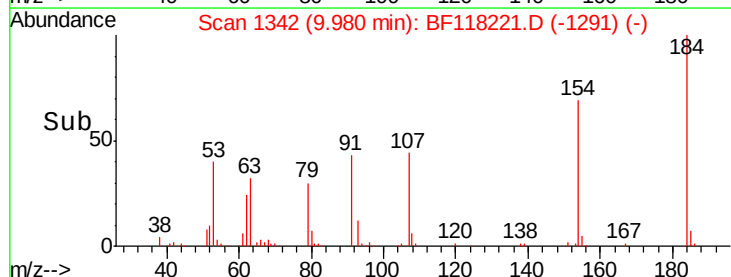
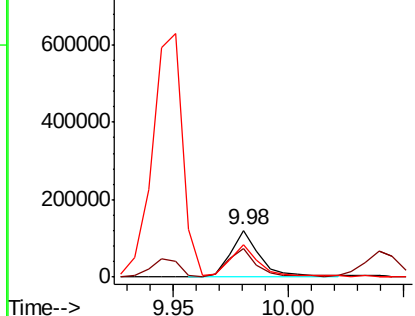


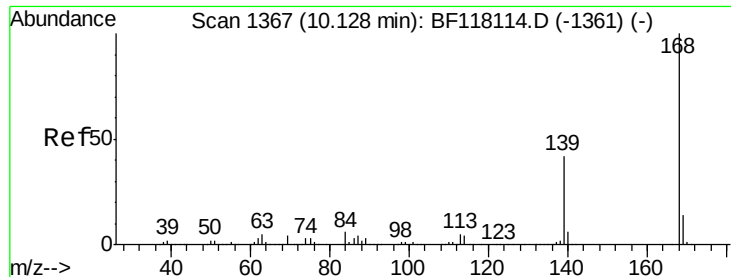
#54
2,4-Dinitrophenol
Concen: 63.403 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:184 Resp: 106580
Ion Ratio Lower Upper
184 100
63 61.7 53.9 80.9
154 69.1 56.3 84.5



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

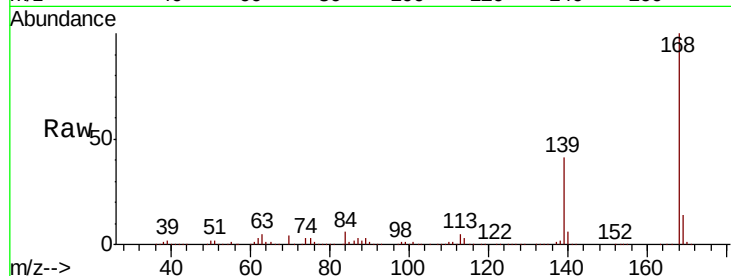




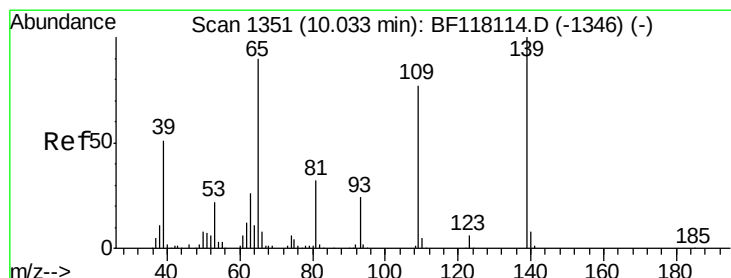
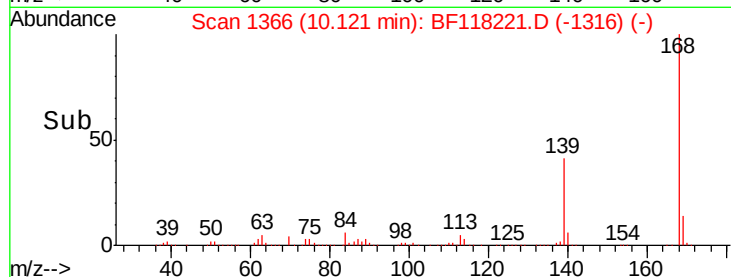
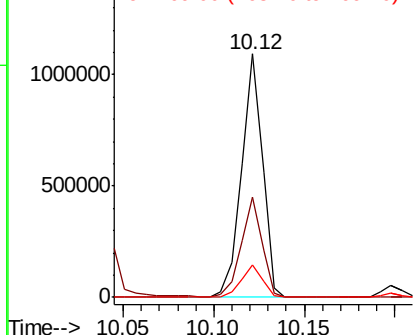
#55
Dibenzenofuran
Concen: 49.956 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 879490
Ion Ratio Lower Upper
168 100
139 41.3 33.4 50.0
169 13.6 11.0 16.6

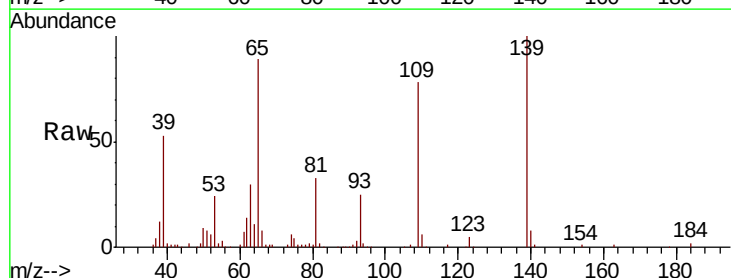


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

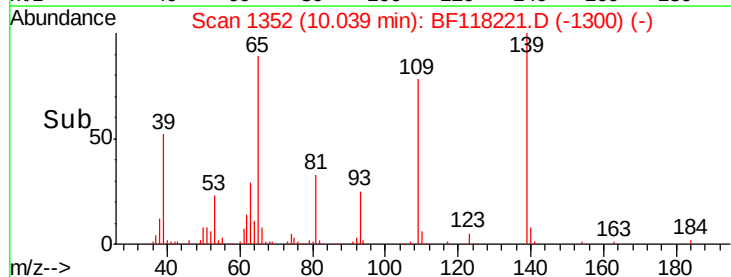
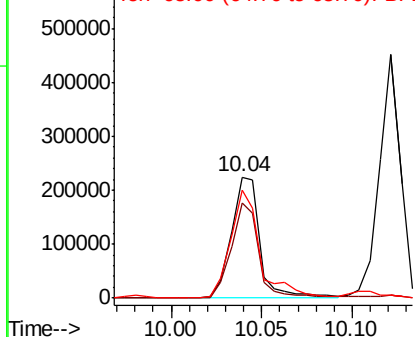


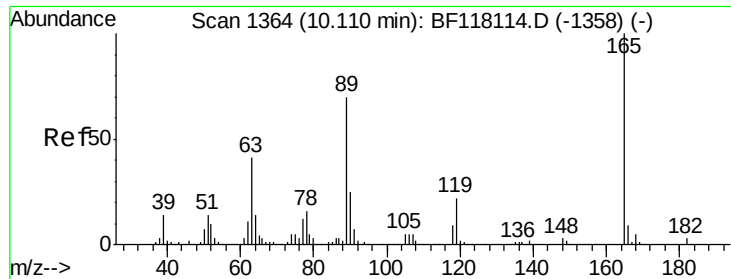
#56
4-Nitrophenol
Concen: 89.859 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:139 Resp: 247968
Ion Ratio Lower Upper
139 100
109 78.1 57.3 97.3
65 89.5 70.2 110.2



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

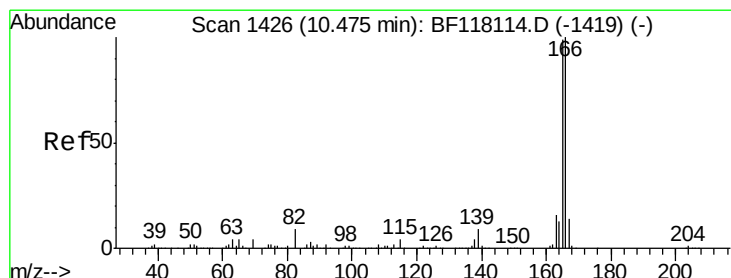
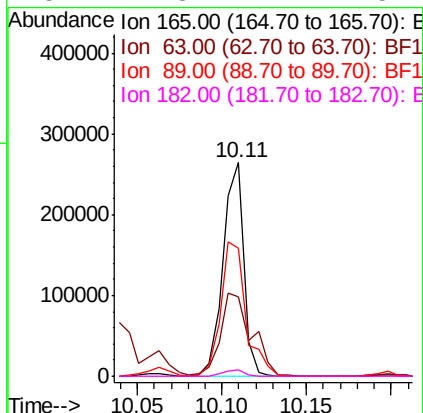
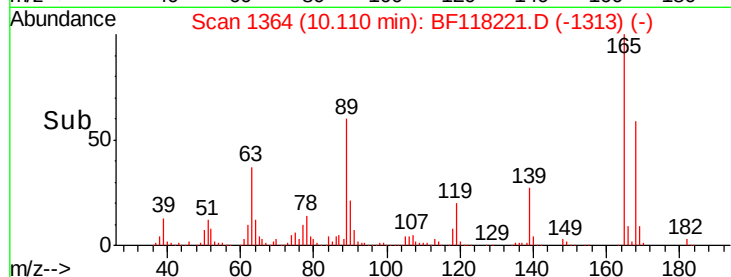
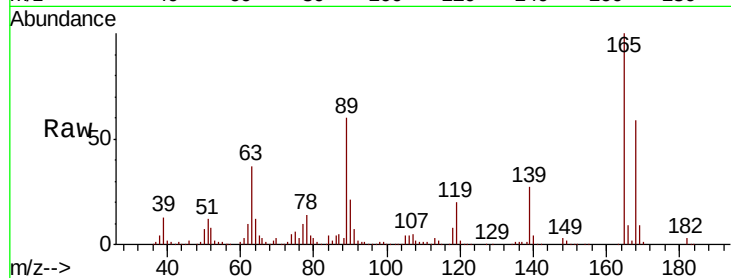




#57
2,4-Dinitrotoluene
Concen: 50.114 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

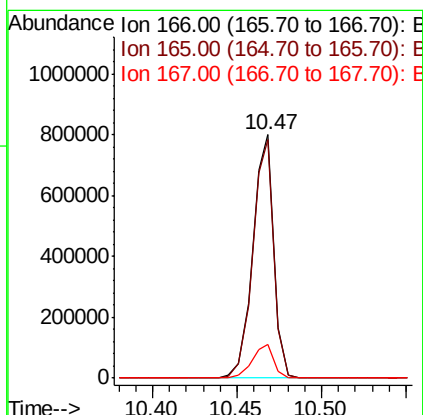
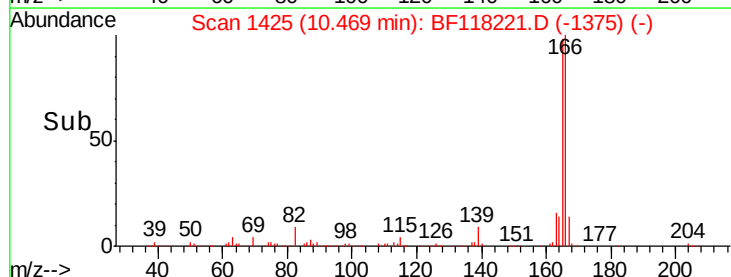
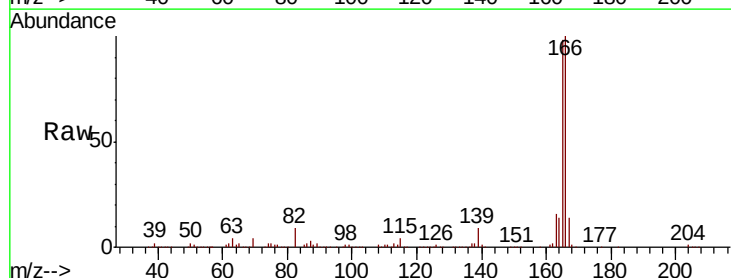
Instrument :
BNA_F
ClientSampleId :

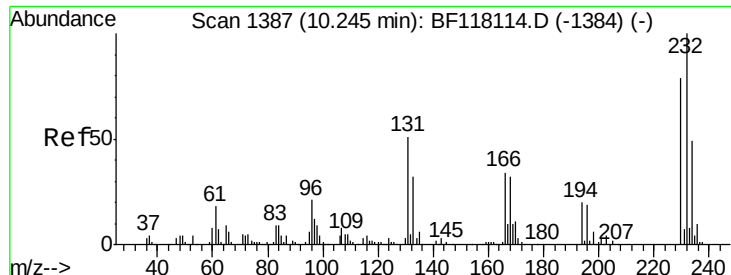
Tot Ion:	165	Resp:	226005
Ion Ratio	Lower	Upper	
165	100		
63	37.0	32.6	49.0
89	60.0	56.1	84.1
182	2.8	2.1	3.1



#58
Fluorene
Concen: 49.678 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:	166	Resp:	695036
Ion Ratio	Lower	Upper	
166	100		
165	98.2	79.0	118.4
167	13.7	10.9	16.3

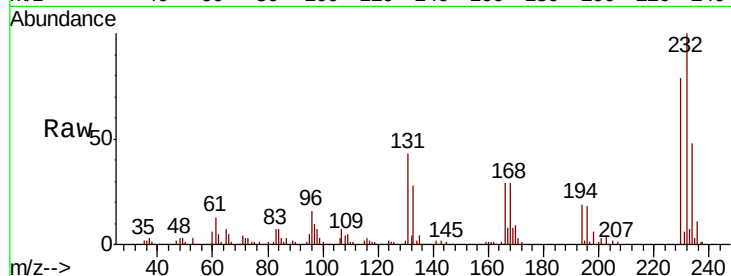




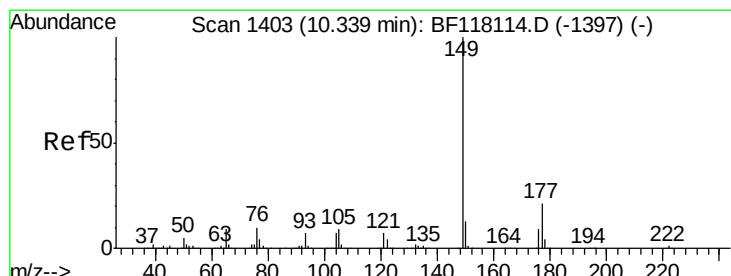
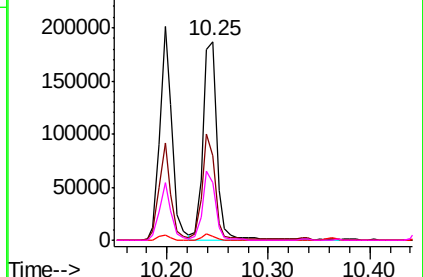
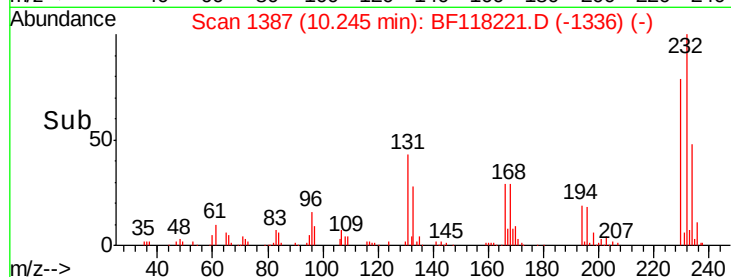
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.459 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	232	Resp:	179881
Ion	Ratio	Lower	Upper
232	100		
131	48.6	38.8	58.2
130	2.5	1.9	2.9
166	31.5	25.4	38.0

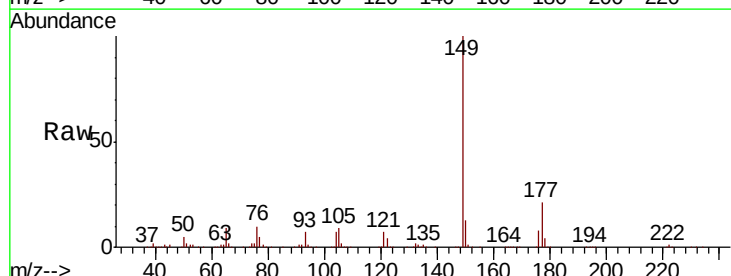


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

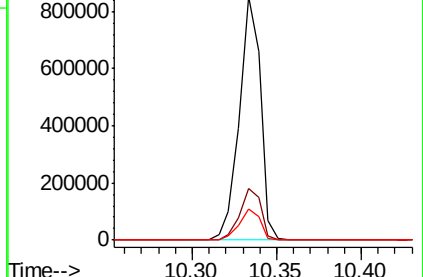
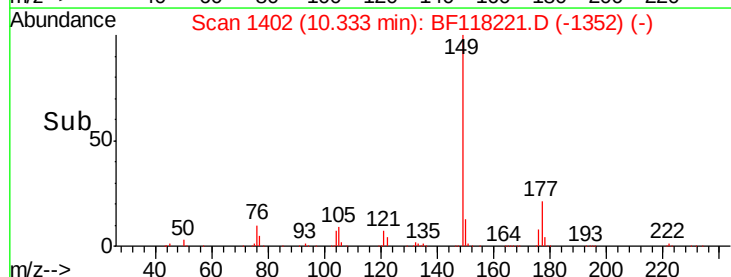


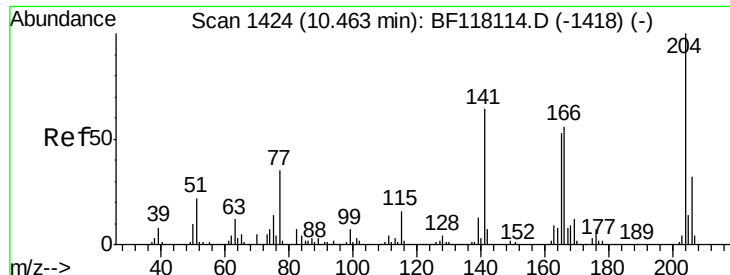
#60
 Diethylphthalate
 Concen: 48.435 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion:	149	Resp:	741527
Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.0	25.4
150	12.7	10.1	15.1



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

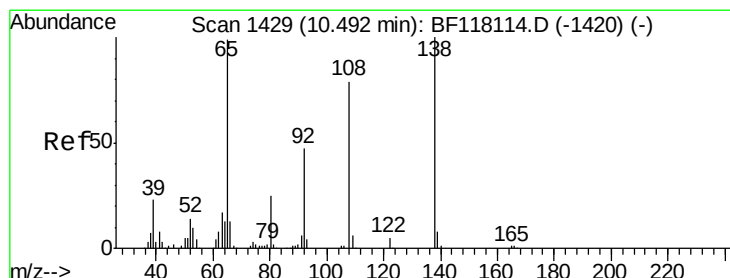
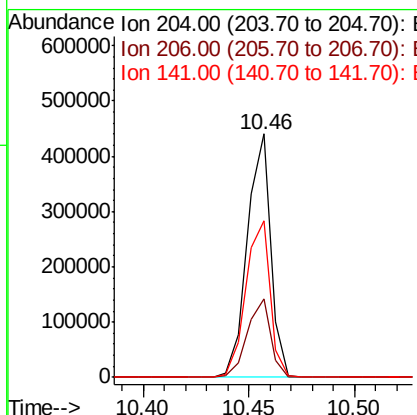
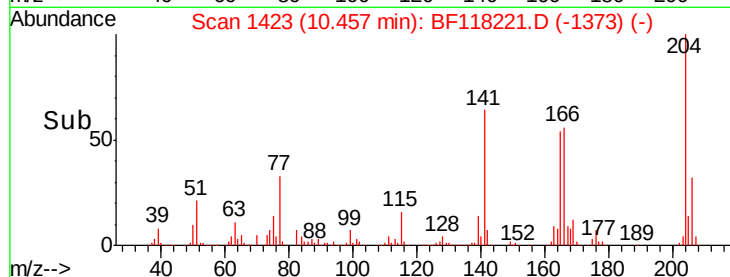
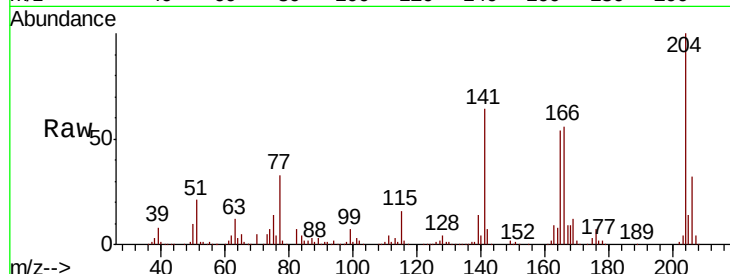




#61
 4-Chlorophenyl-phenylether
 Concen: 48.379 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

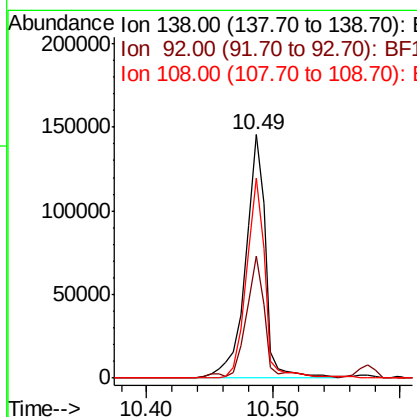
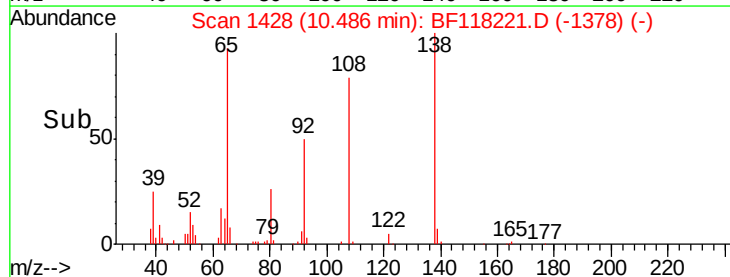
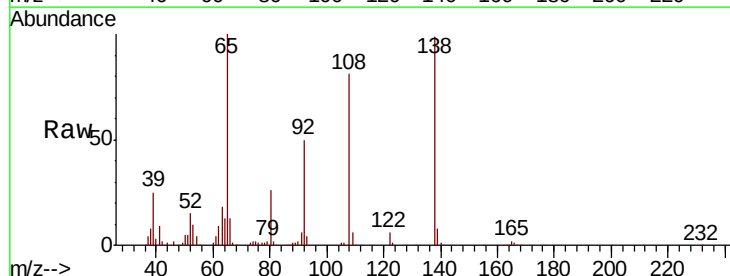
Instrument :
 BNA_F
 ClientSampled :

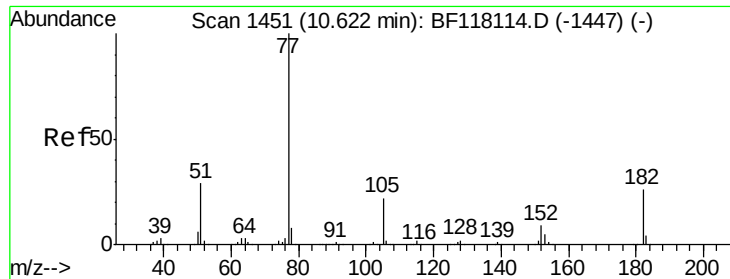
Tot Ion:204 Resp: 340571
 Ion Ratio Lower Upper
 204 100
 206 32.5 26.0 39.0
 141 64.2 51.0 76.6



#62
 4-Nitroaniline
 Concen: 38.347 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion:138 Resp: 159032
 Ion Ratio Lower Upper
 138 100
 92 50.2 27.1 67.1
 108 82.2 59.0 99.0





#63

Azobenzene

Concen: 48.763 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 637296

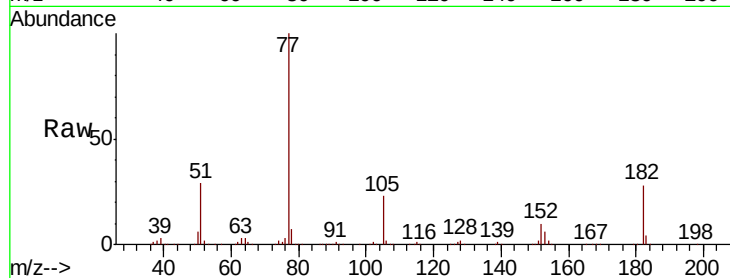
Ion Ratio Lower Upper

77 100

182 28.2 5.7 45.7

105 22.8 2.2 42.2

51 28.6 9.6 49.6

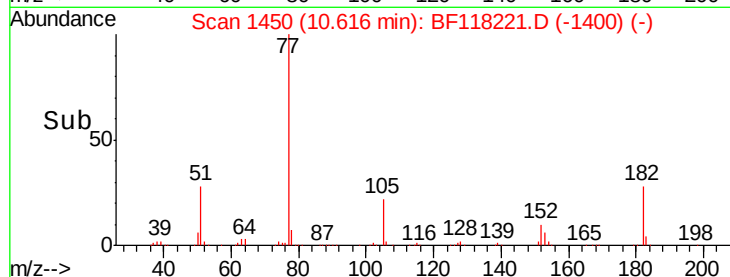


Abundance Ion 77.00 (76.70 to 77.70): BF1

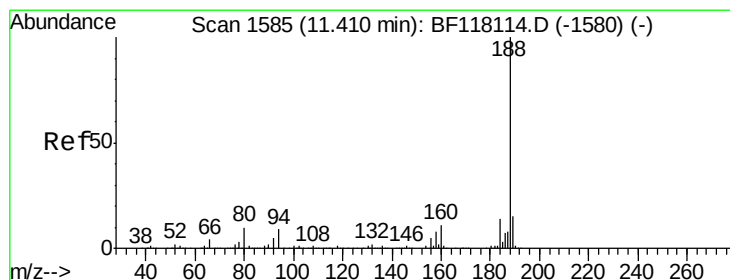
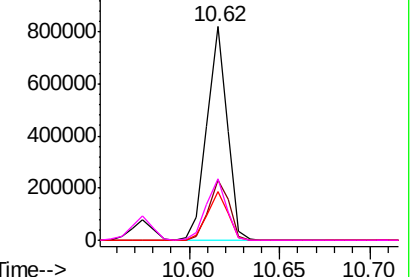
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

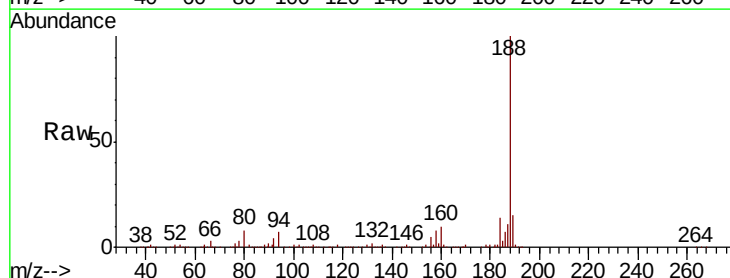
Tgt Ion: 188 Resp: 367155

Ion Ratio Lower Upper

188 100

94 7.4 7.1 10.7

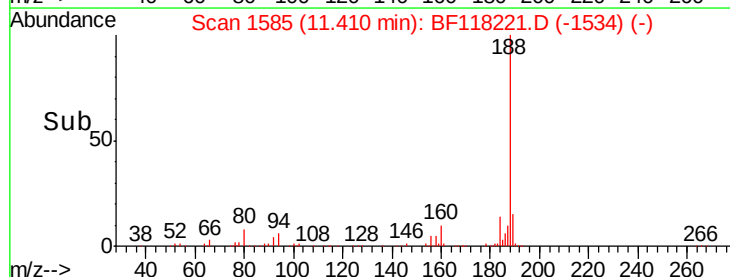
80 7.8 7.9 11.9#



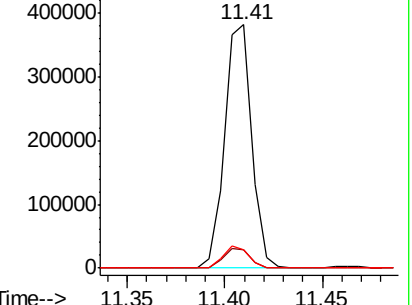
Abundance Ion 188.00 (187.70 to 188.70): BF1

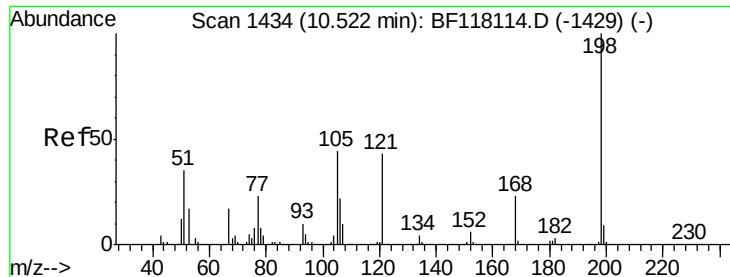
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->

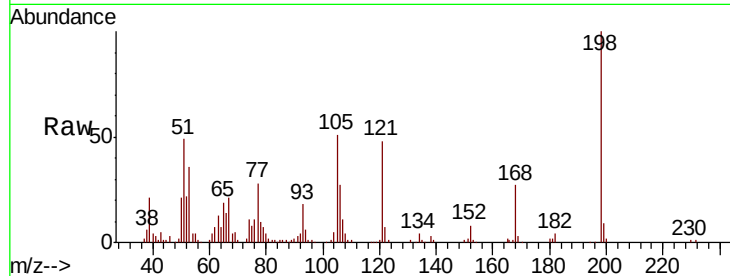




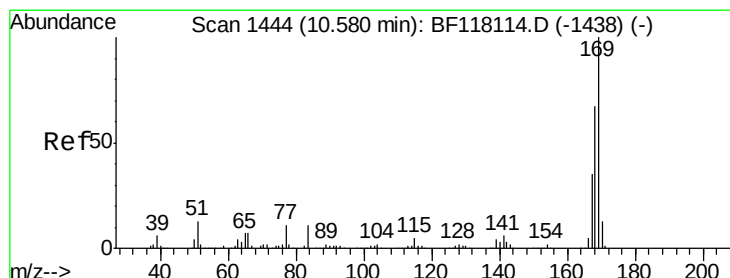
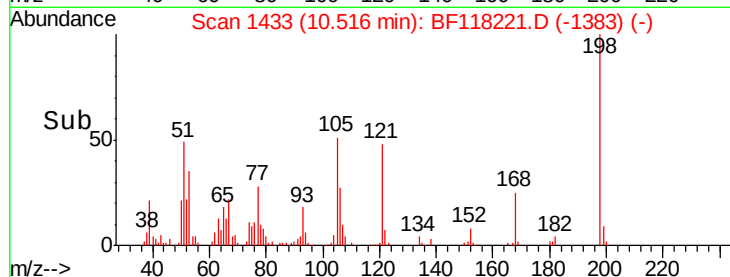
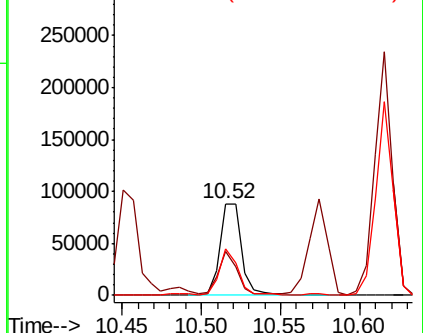
#65
4,6-Dinitro-2-methylphenol
Concen: 41.357 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 83856
Ion Ratio Lower Upper
198 100
51 48.6 22.0 62.0
105 50.9 25.6 65.6

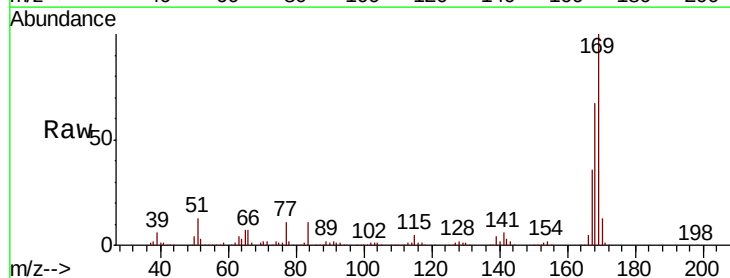


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

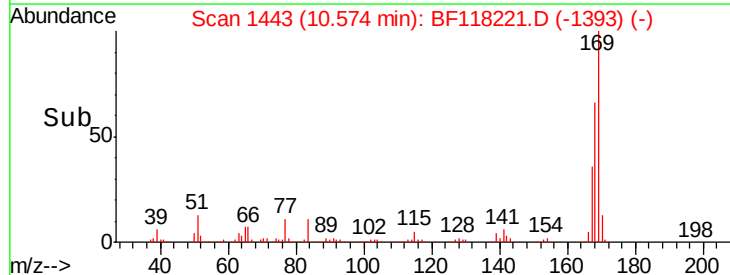
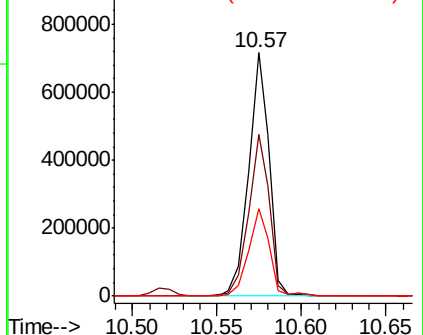


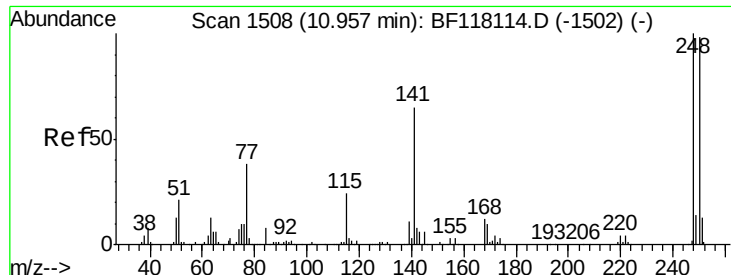
#66
n-Nitrosodiphenylamine
Concen: 52.700 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:169 Resp: 604239
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.2
167 35.8 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

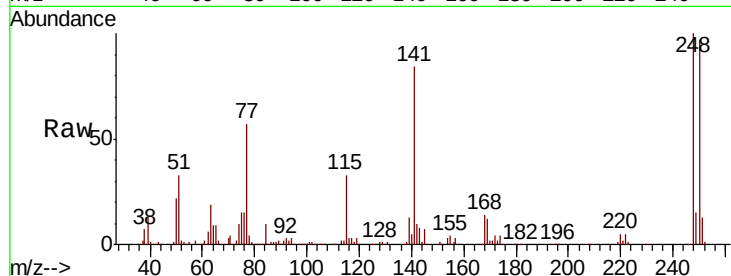




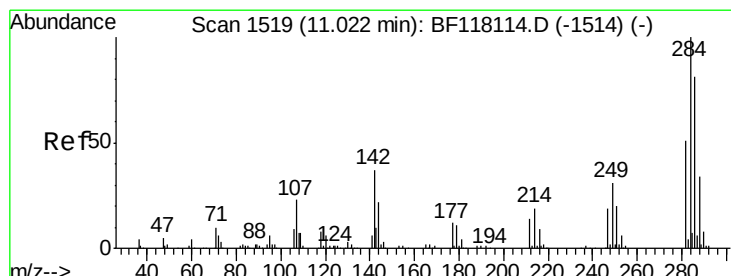
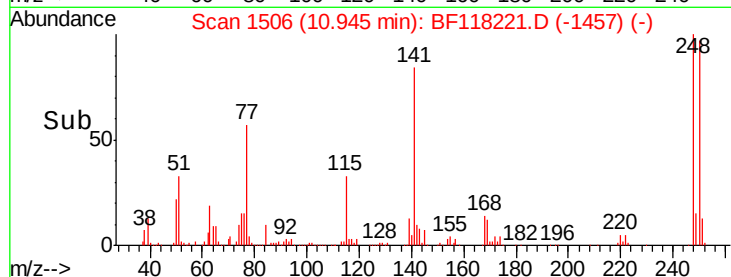
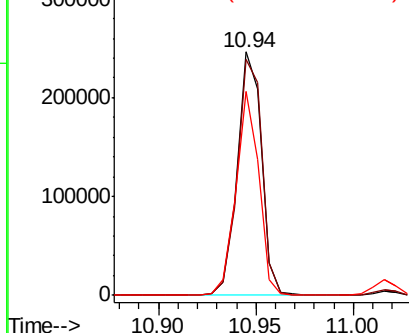
#67
4-Bromophenyl-phenylether
Concen: 50.516 ng
RT: 10.94 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 211718
Ion Ratio Lower Upper
248 100
250 96.6 78.3 117.5
141 83.8 52.2 78.4#

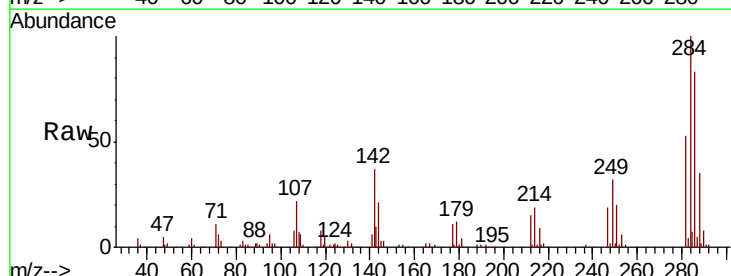


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

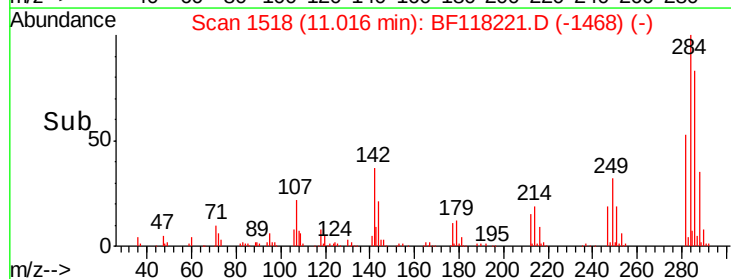
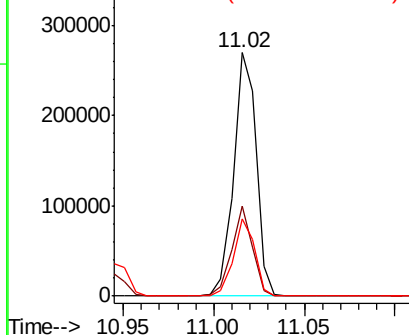


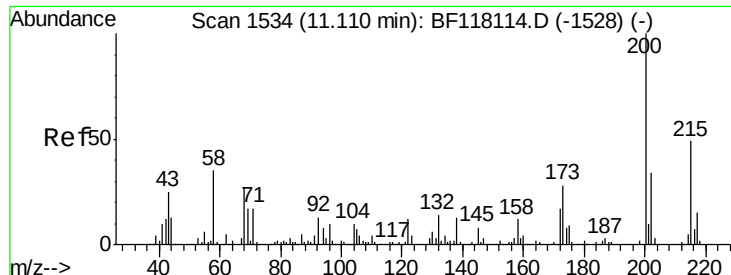
#68
Hexachlorobenzene
Concen: 47.575 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:284 Resp: 234691
Ion Ratio Lower Upper
284 100
142 36.8 29.7 44.5
249 31.7 24.6 37.0



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

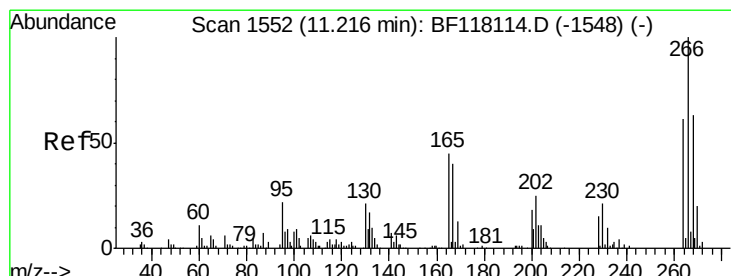
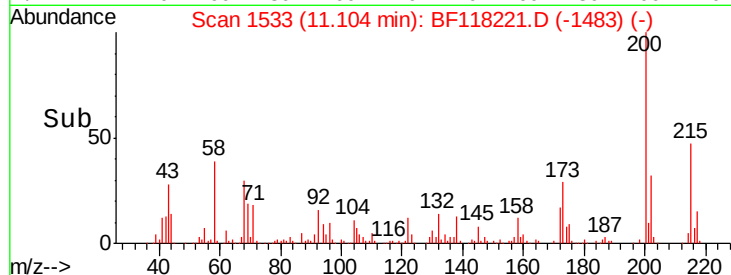
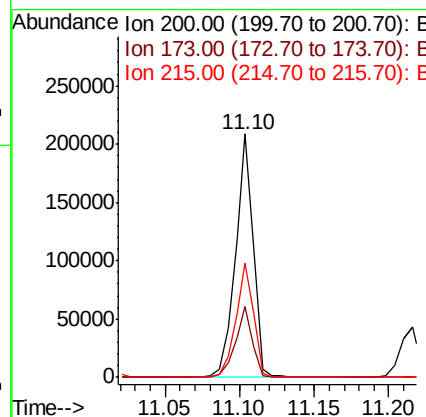
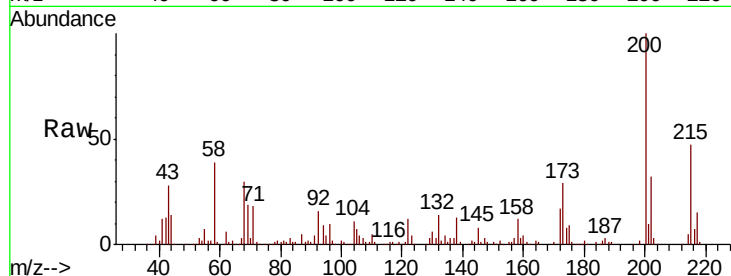




#69
Atrazine
Concen: 76.154 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

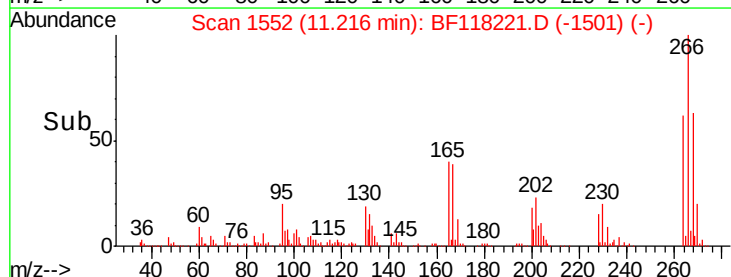
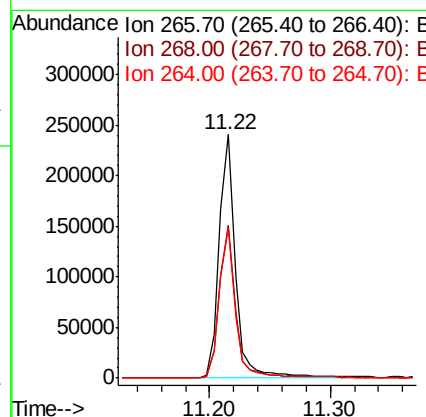
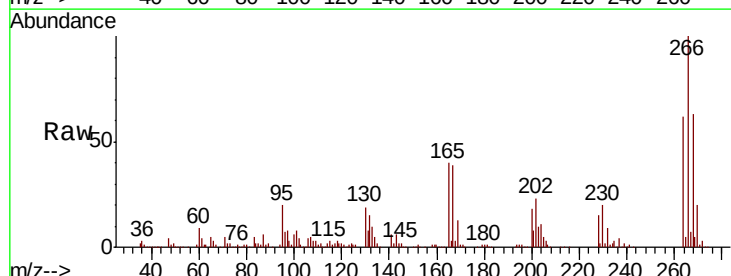
Instrument :
BNA_F
ClientSampled :

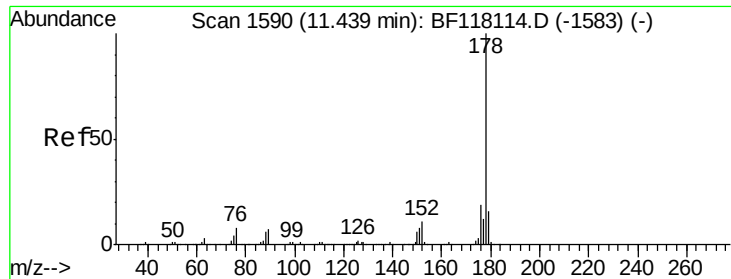
Tot Ion:200 Resp: 176202
Ion Ratio Lower Upper
200 100
173 28.8 8.1 48.1
215 46.9 29.0 69.0



#70
Pentachlorophenol
Concen: 96.857 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:266 Resp: 224697
Ion Ratio Lower Upper
266 100
268 62.9 50.7 76.1
264 61.6 48.7 73.1





#71

Phenanthrene

Concen: 52.662 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

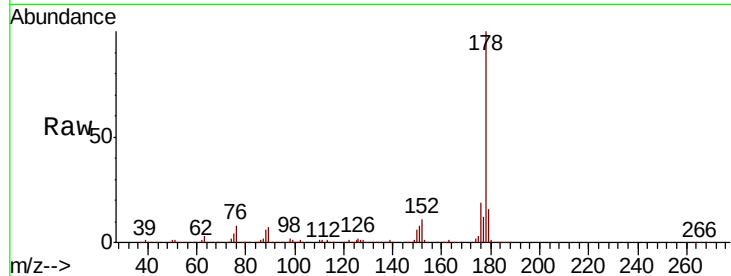
Tot Ion:178 Resp: 1027825

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

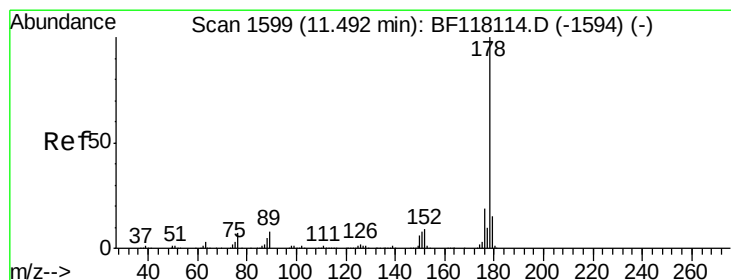
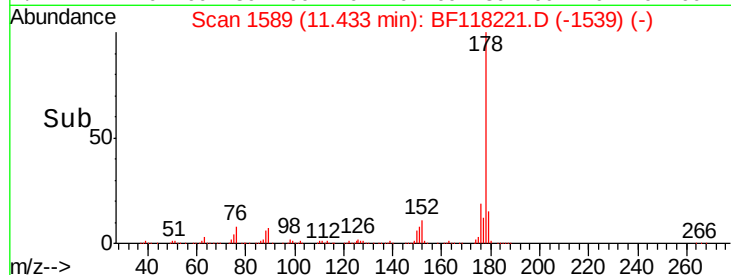
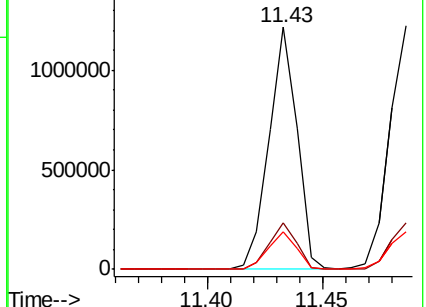
179 15.6 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 51.324 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

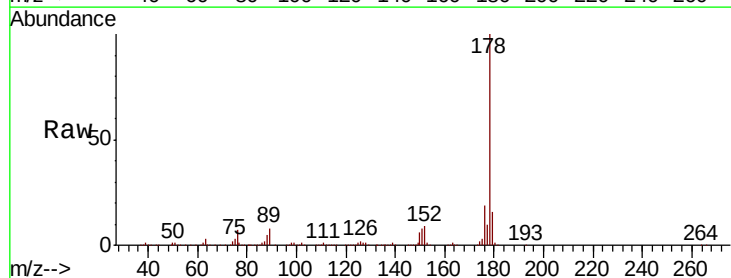
Tgt Ion:178 Resp: 999290

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

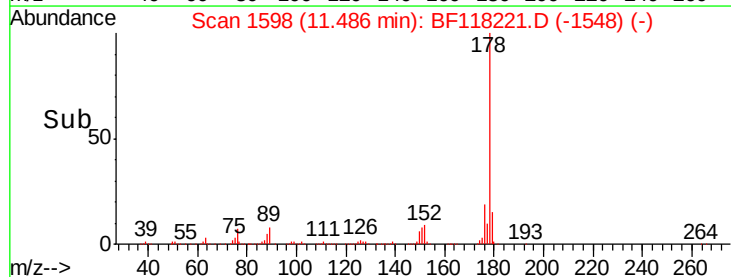
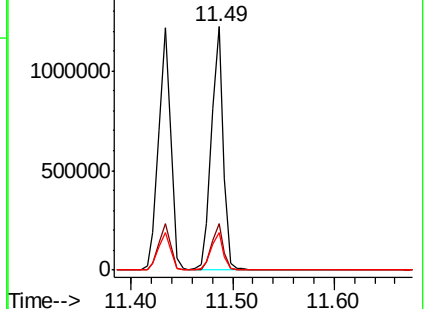
179 15.5 12.2 18.4

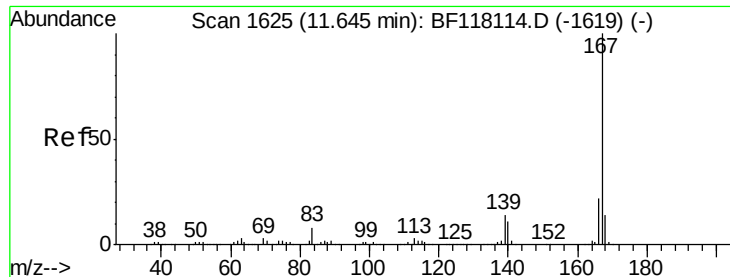


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

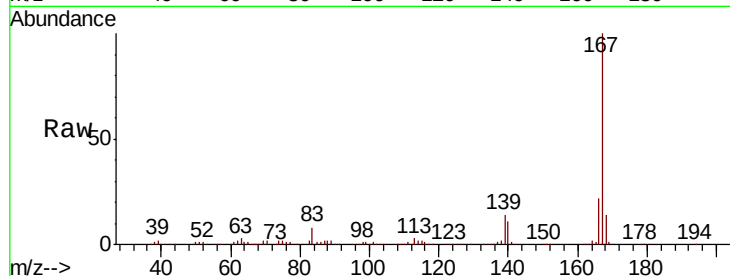




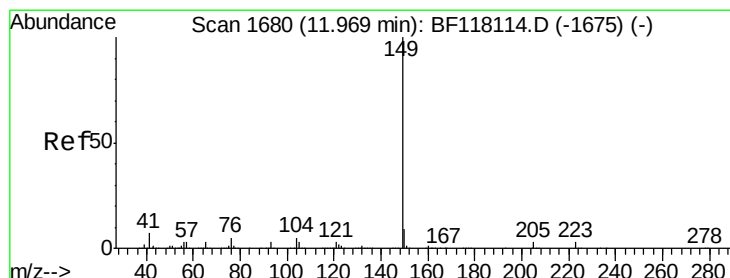
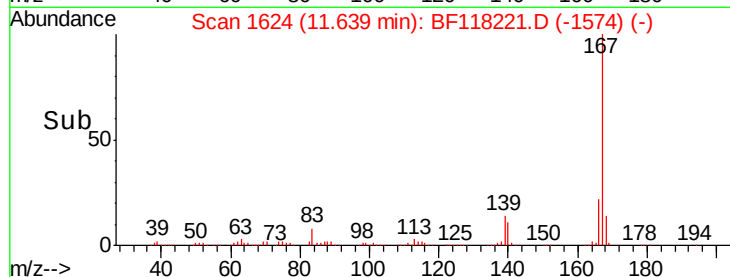
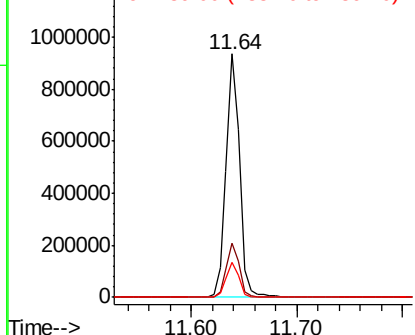
#73
 Carbazole
 Concen: 48.086 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 840022
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 14.1 11.4 17.0

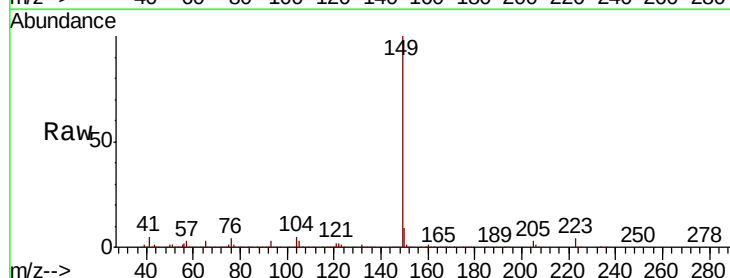


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

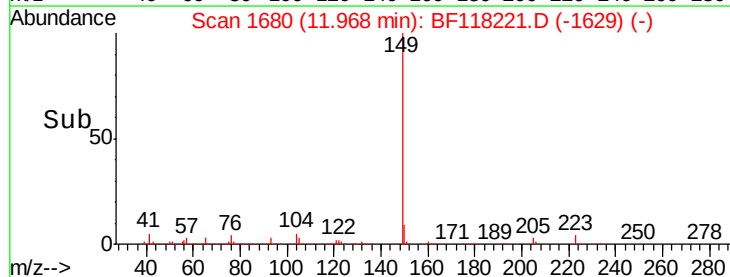
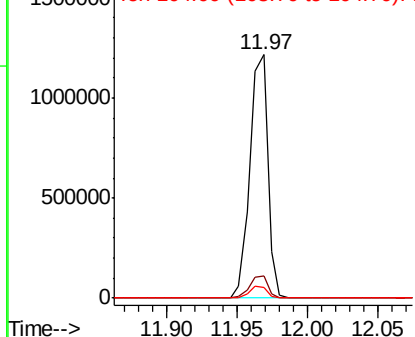


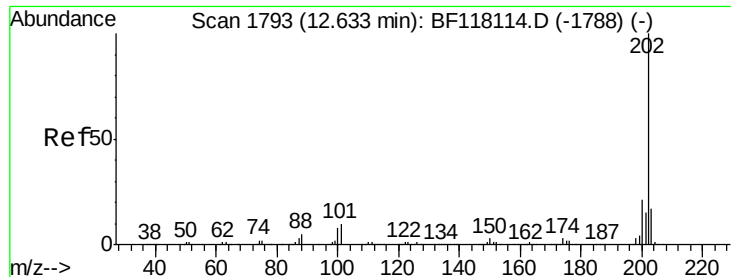
#74
 Di-n-butylphthalate
 Concen: 50.059 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: BF118221.D
 Acq: 17 Dec 2019 2:46

Tgt Ion:149 Resp: 1094428
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 4.6 4.3 6.5



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: 47.634 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF118221.D

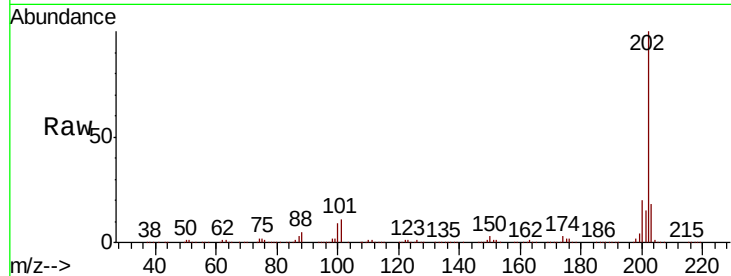
Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampled :

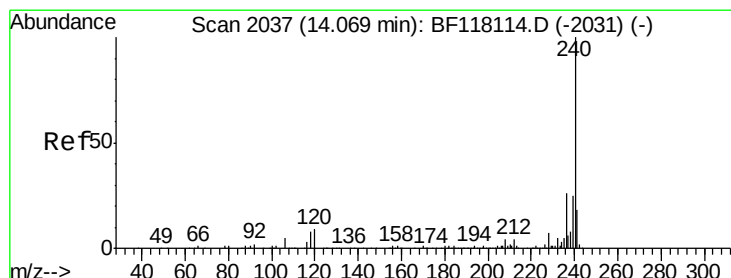
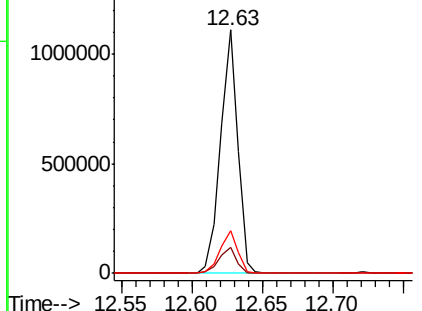
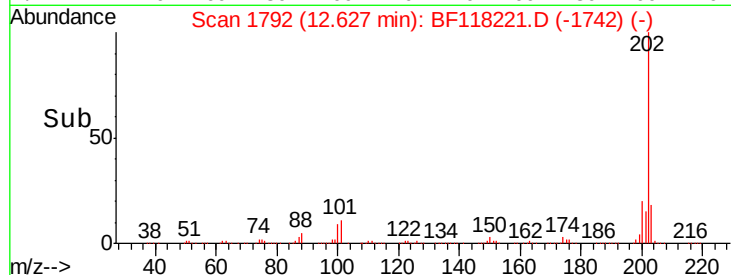
Tot Ion:	202	Resp:	950520
Ion Ratio		Lower	Upper
202	100		
101	10.9	0.0	30.4
203	17.6	0.0	37.2



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

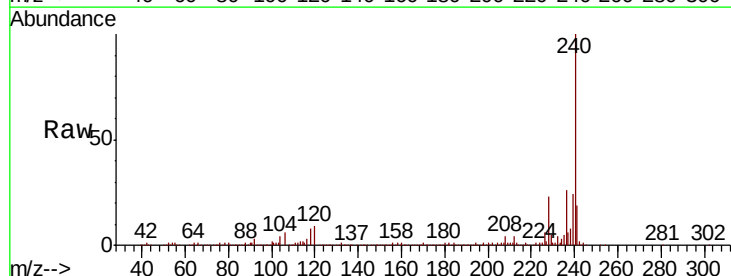
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

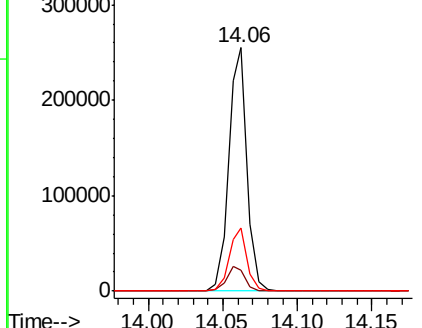
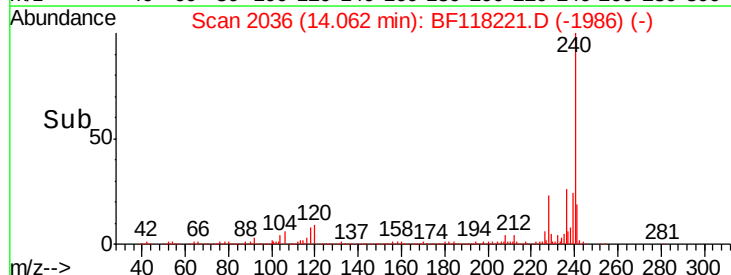
Tgt Ion:	240	Resp:	220573
Ion Ratio		Lower	Upper
240	100		
120	8.7	7.1	10.7
236	26.1	21.0	31.6

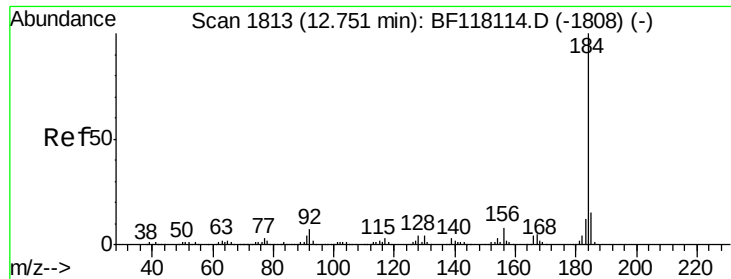


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 42.541 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

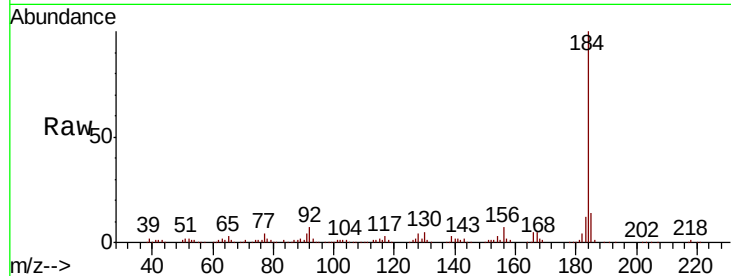
Tot Ion:184 Resp: 247019

Ion Ratio Lower Upper

184 100

185 14.3 12.3 18.5

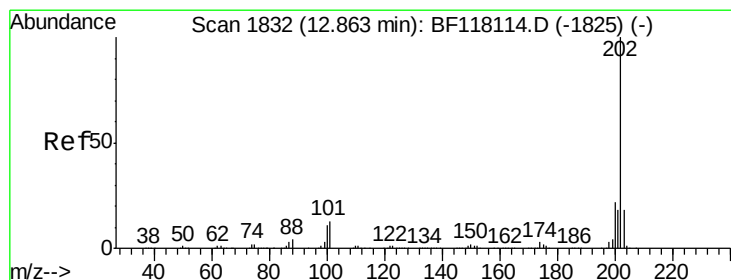
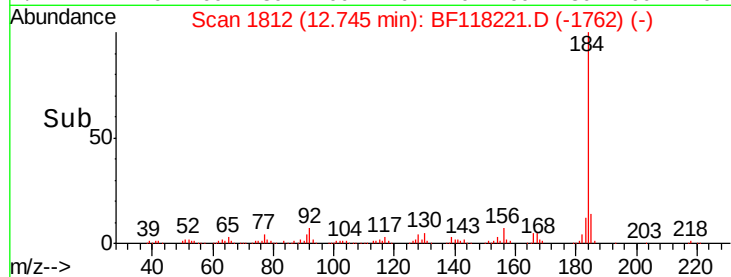
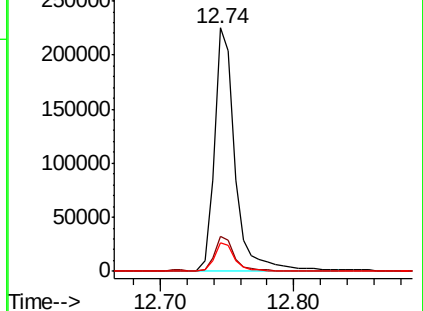
183 11.7 9.9 14.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 54.227 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

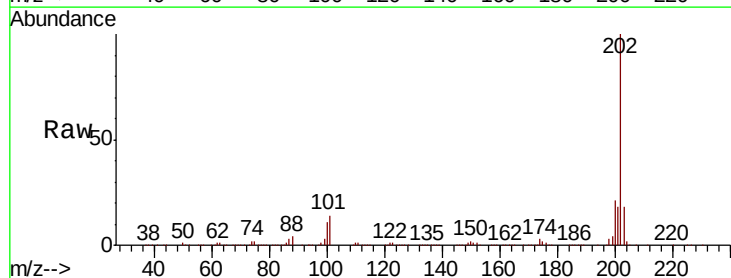
Tgt Ion:202 Resp: 942586

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

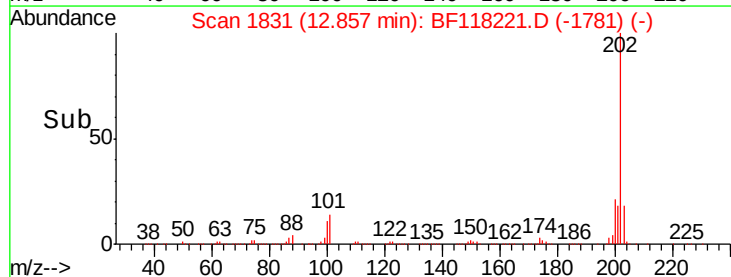
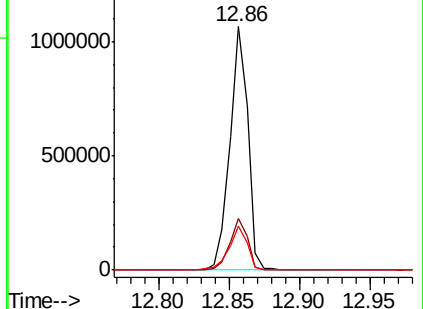
203 17.9 14.6 21.8

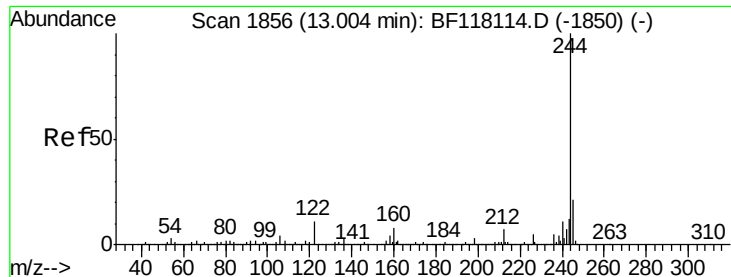


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.508 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampled :

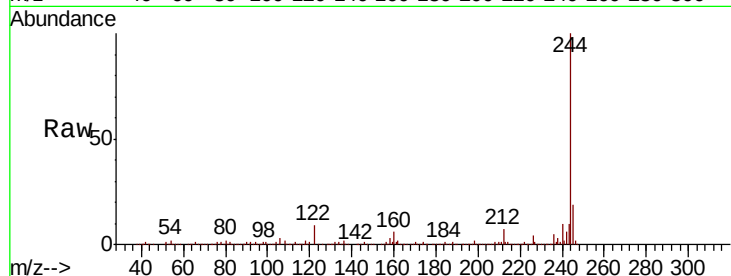
Tot Ion:244 Resp: 1019833

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

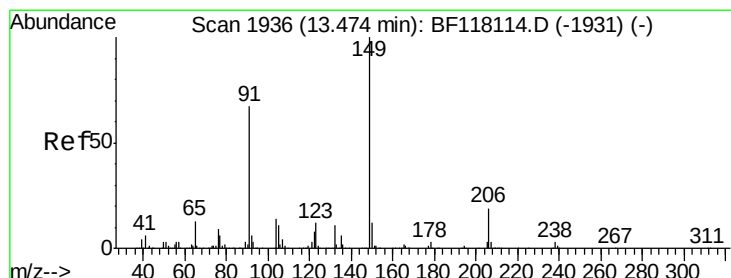
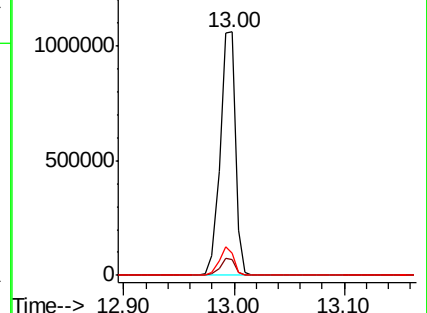
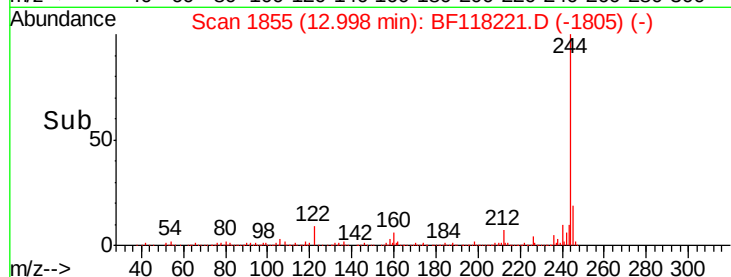
122 8.9 9.0 13.6#



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: 46.333 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

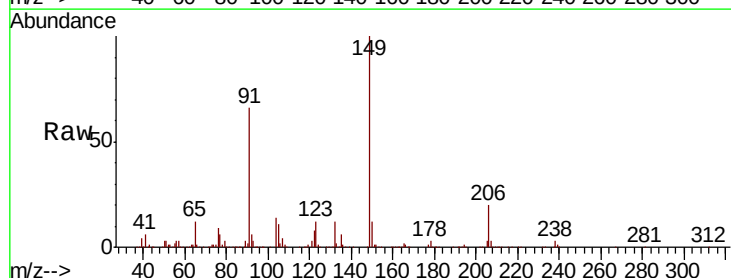
Tgt Ion:149 Resp: 364737

Ion Ratio Lower Upper

149 100

91 66.2 53.9 80.9

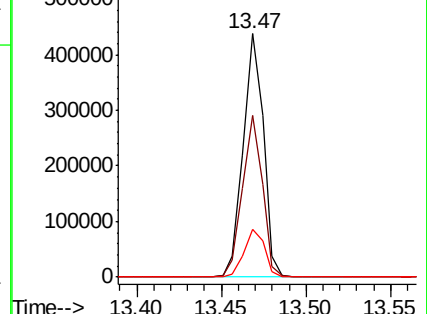
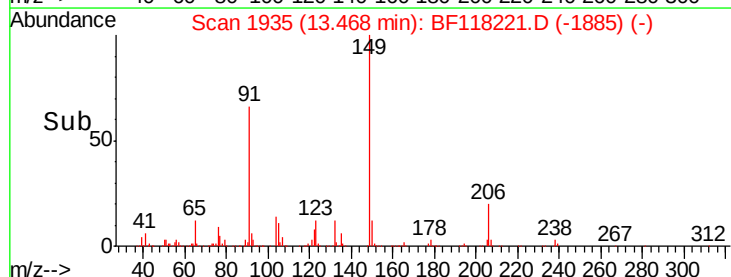
206 19.6 15.2 22.8

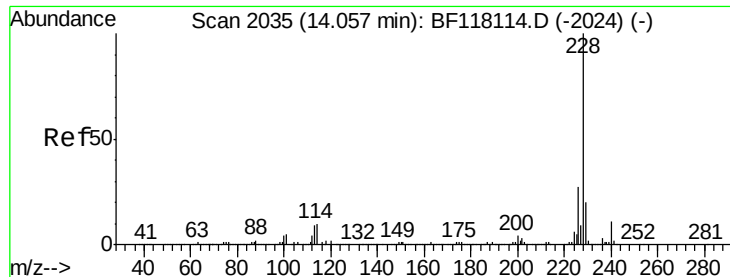


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

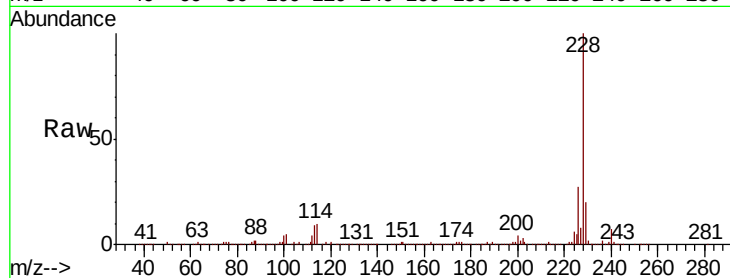




#81
Benzo(a)anthracene
Concen: 51.384 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.9	15.8	23.8

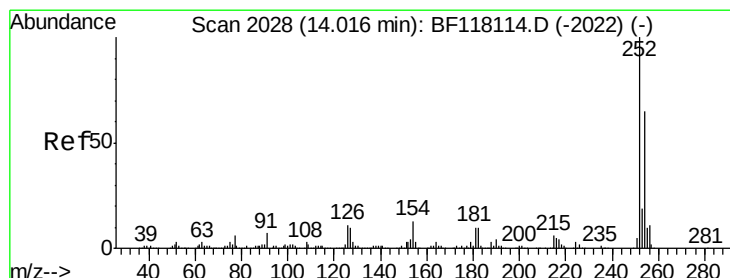
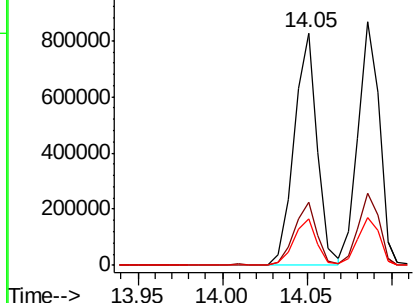
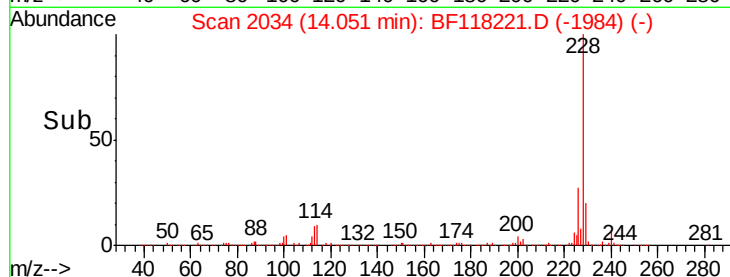


Abundance

Ion 228.00 (227.70 to 228.70): E

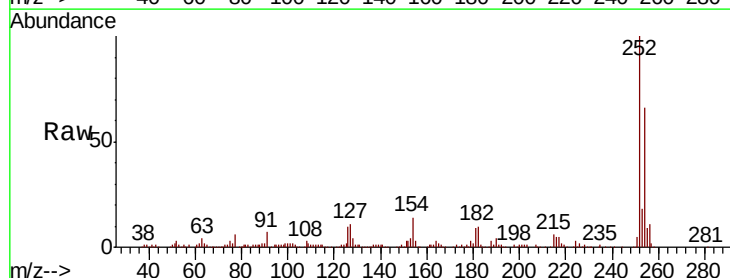
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 38.487 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.6	52.2	78.4
126	10.1	8.6	13.0

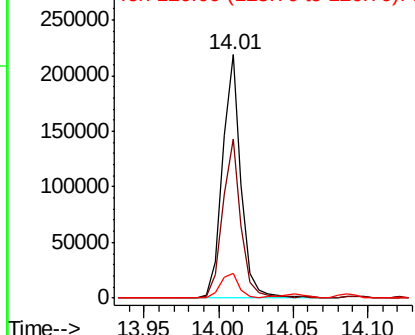
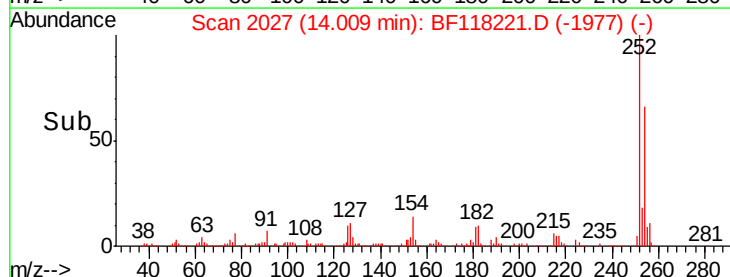


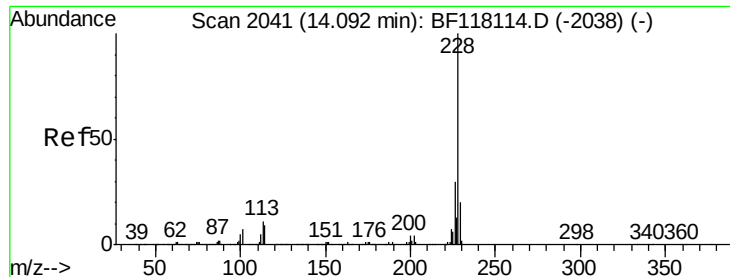
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 52.110 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

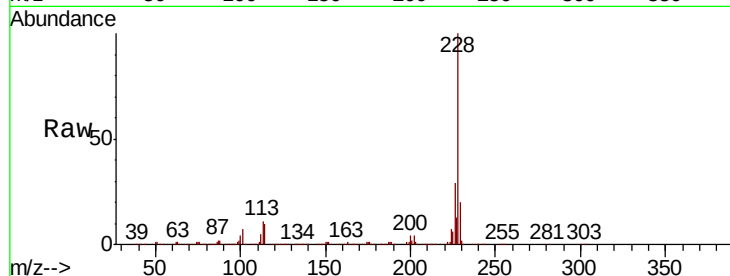
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 759187

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.8	35.8
229	19.8	15.7	23.5

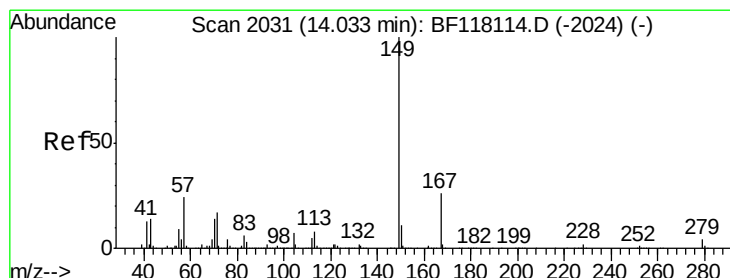
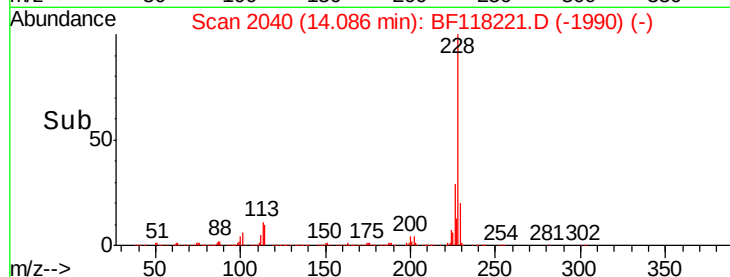
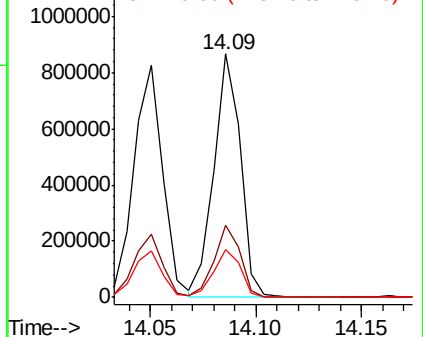


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.921 ng

RT: 14.03 min Scan# 2030

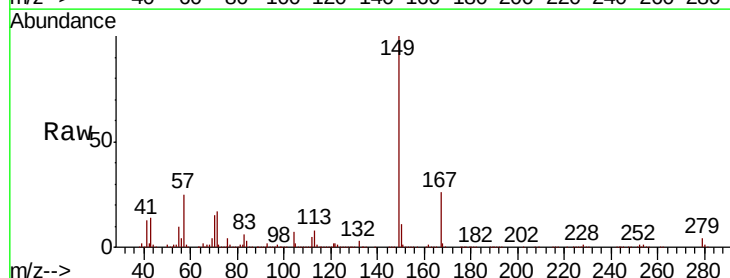
Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Tgt Ion:149 Resp: 487051

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.8	31.2
279	3.8	2.9	4.3

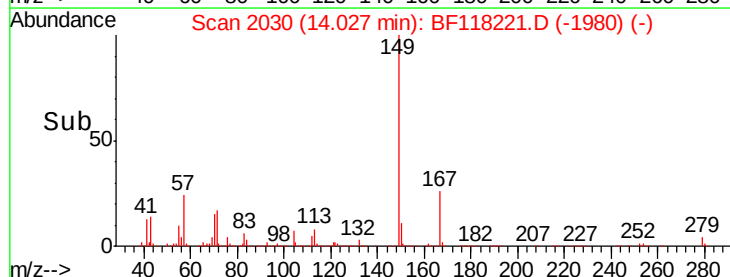
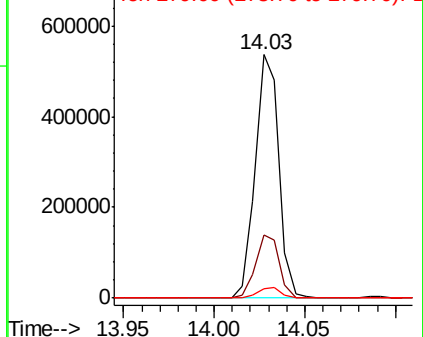


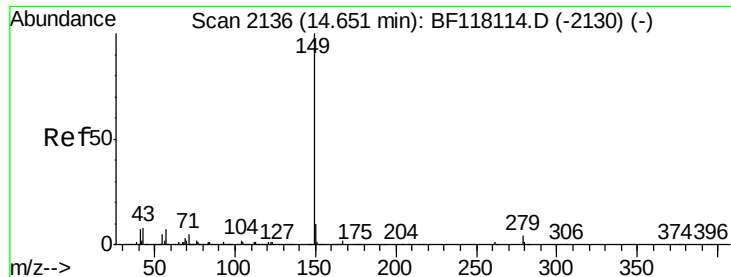
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 50.121 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

Instrument :

BNA_F

ClientSampleId :

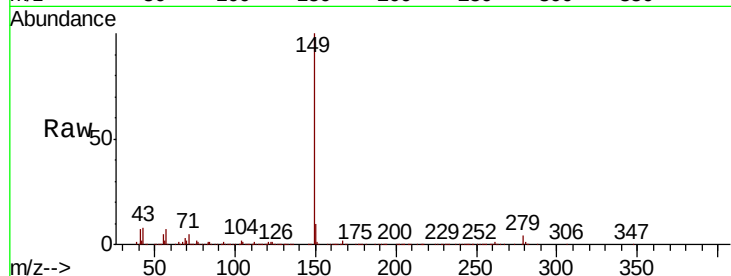
Tot Ion:149 Resp: 788115

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

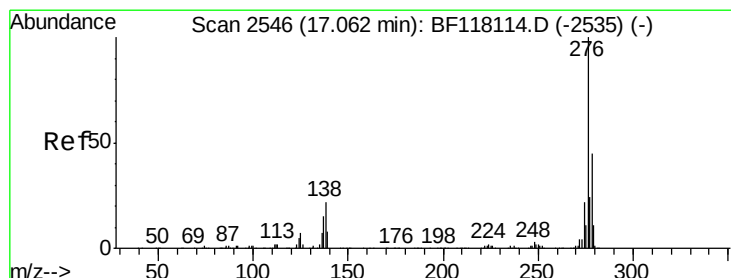
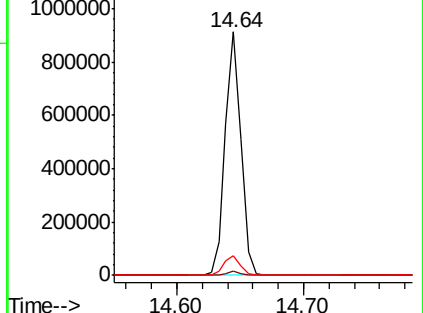
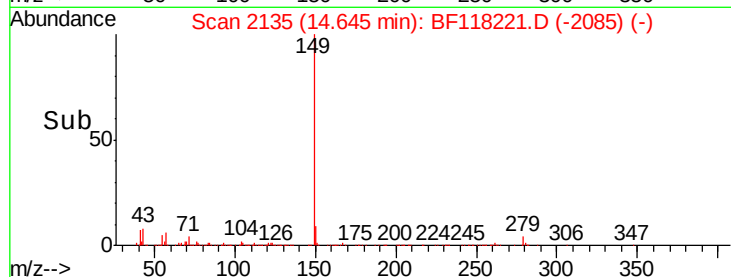
43 7.8 6.5 9.7



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 72.069 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.01 min

Lab File: BF118221.D

Acq: 17 Dec 2019 2:46

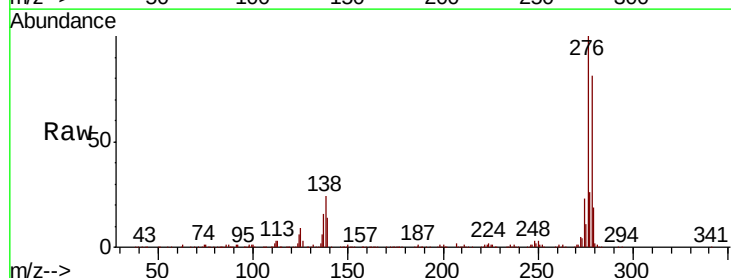
Tgt Ion:276 Resp: 883456

Ion Ratio Lower Upper

276 100

138 23.6 18.9 28.3

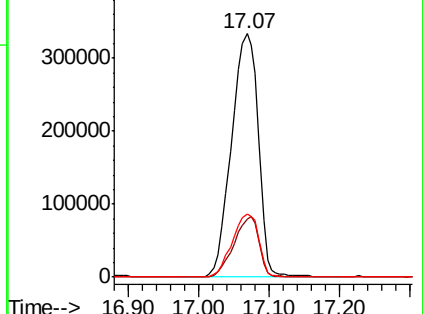
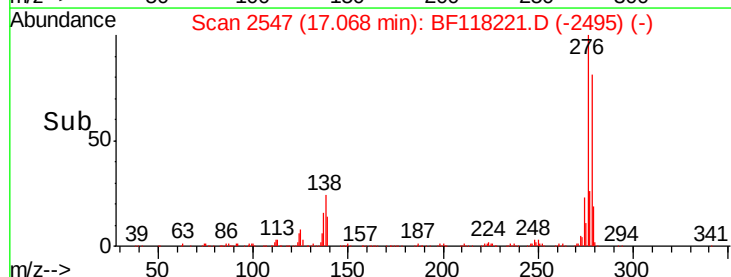
277 25.6 20.4 30.6

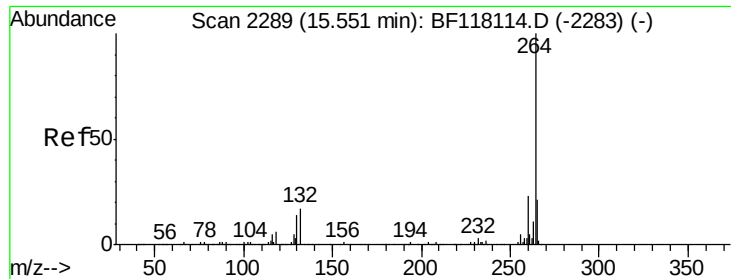


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



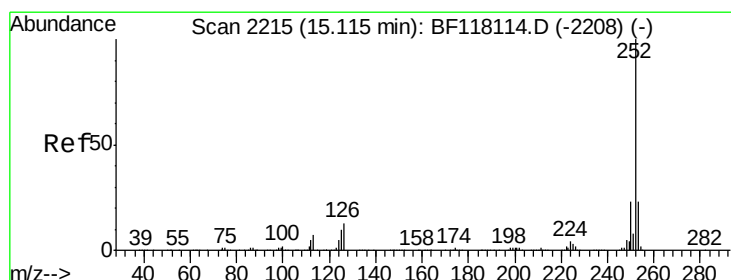
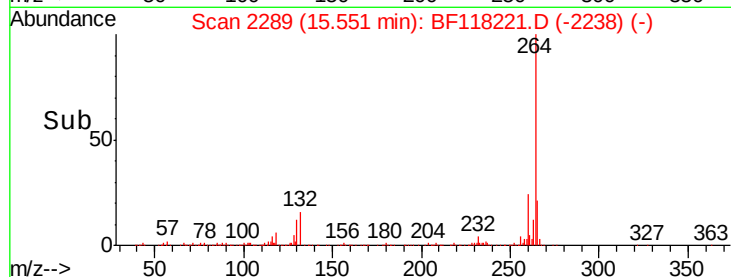
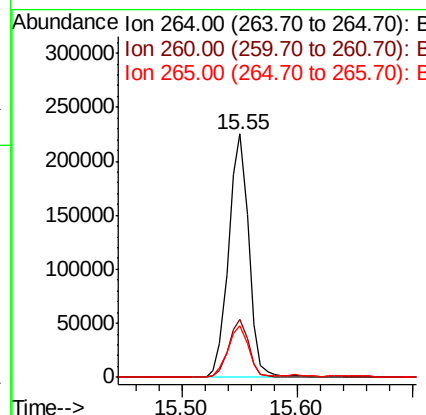
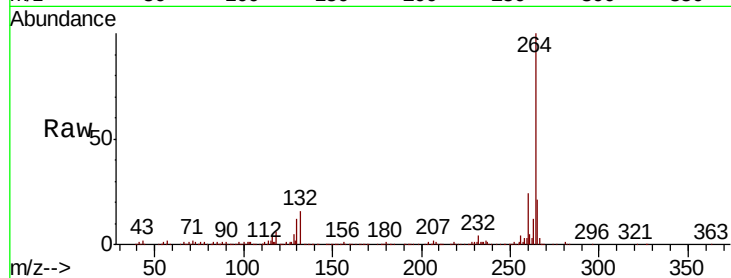


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 273624

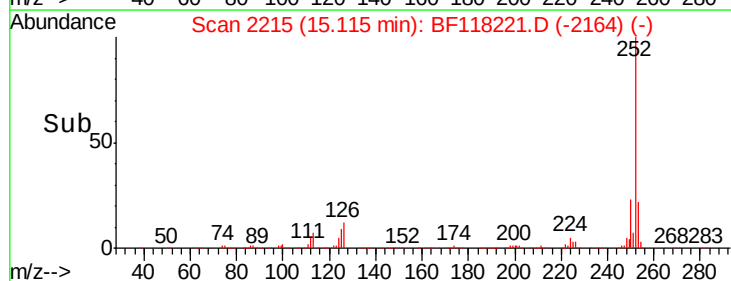
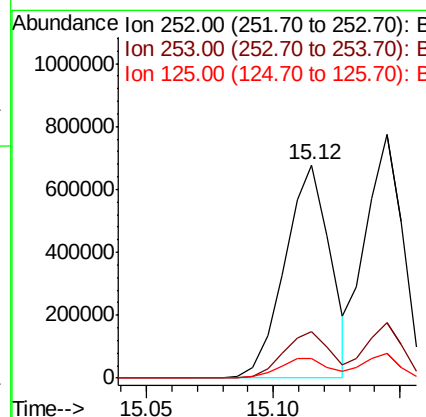
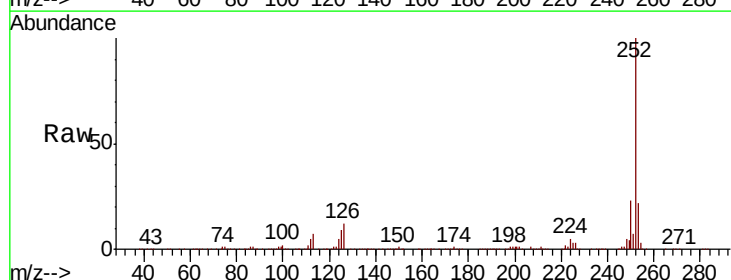
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.1	16.8	25.2

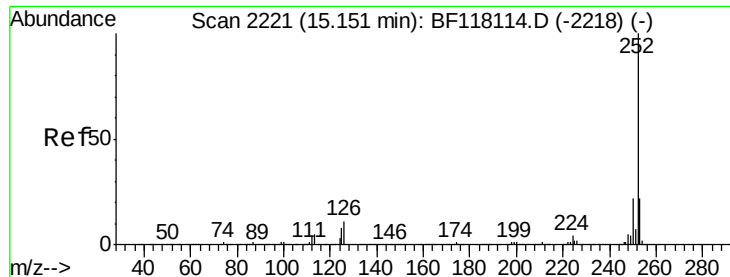


#88
Benzo(b)fluoranthene
Concen: 46.652 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:252 Resp: 844237

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	9.4	8.3	12.5

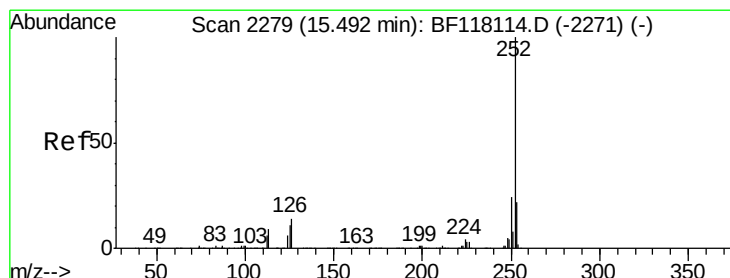
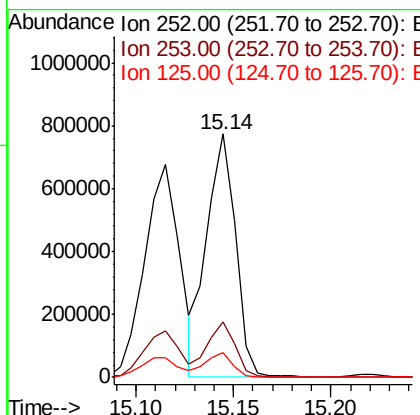
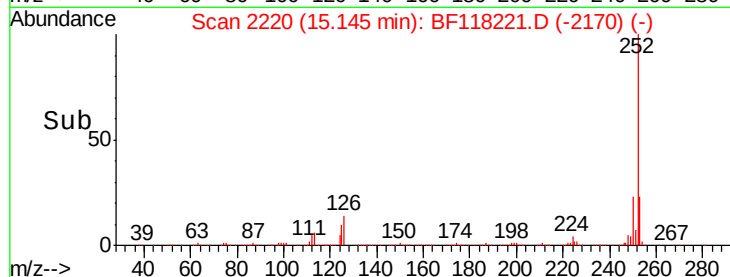
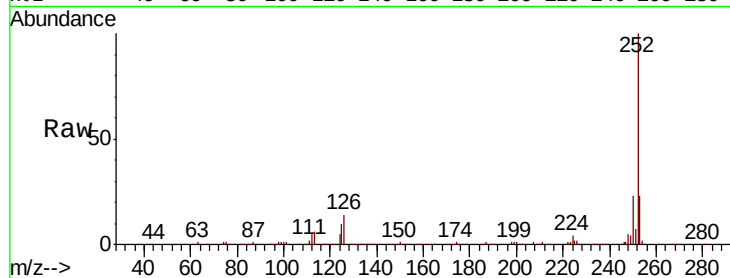




#89
Benzo(k)fluoranthene
Concen: 45.715 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

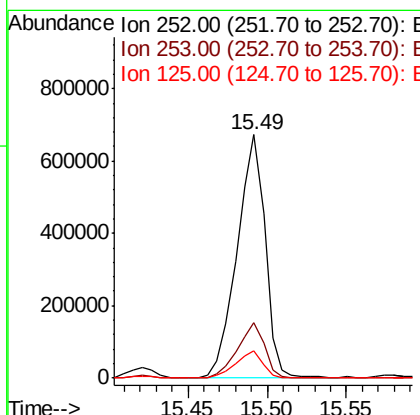
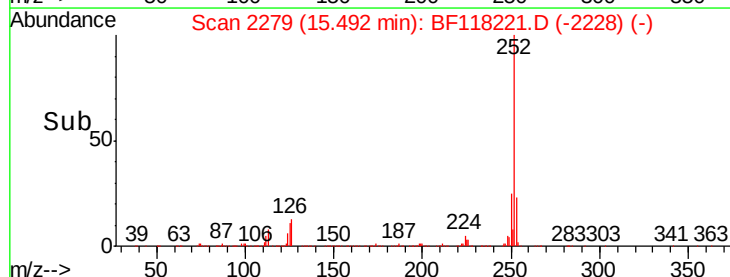
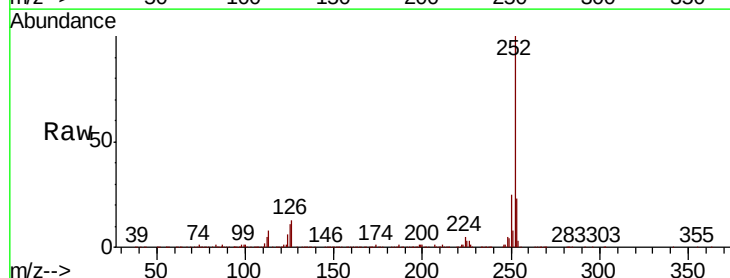
Instrument :
BNA_F
ClientSampleId :

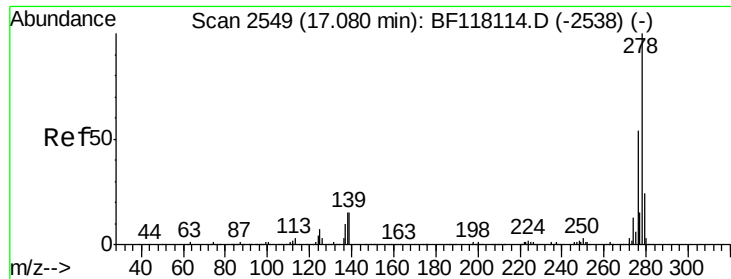
Tot Ion:252 Resp: 794755
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.9 6.7 10.1



#90
Benzo(a)pyrene
Concen: 51.303 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion:252 Resp: 819966
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 11.1 9.1 13.7

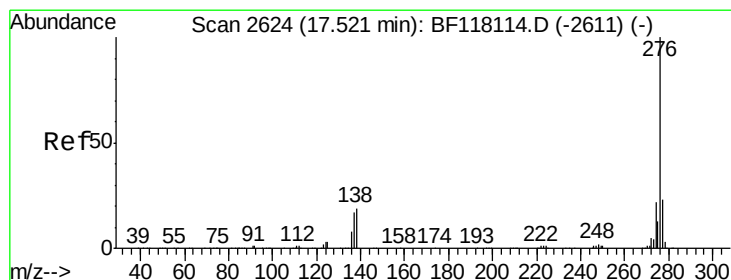
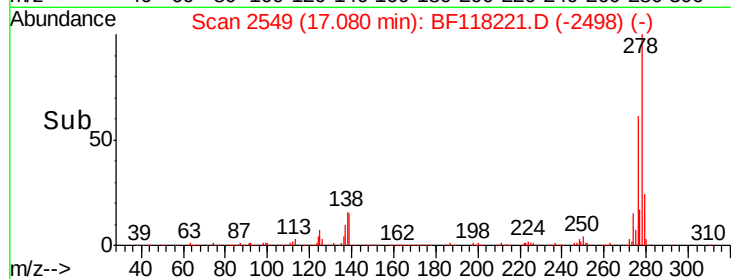
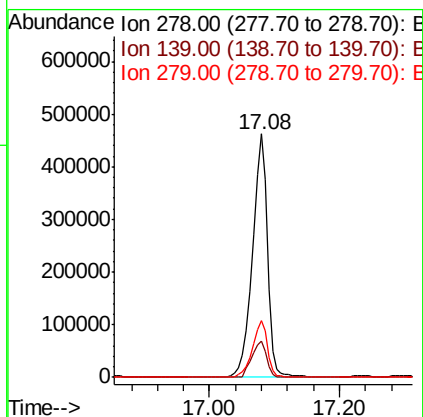
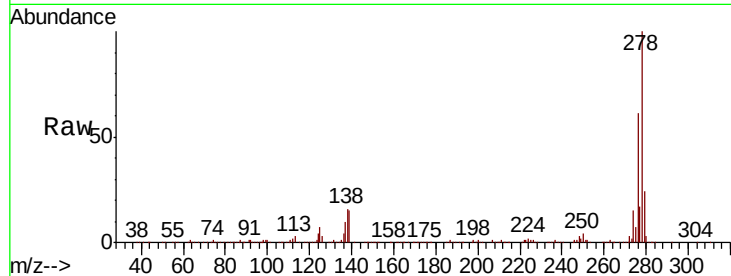




#91
Dibenzo(a,h)anthracene
Concen: 54.109 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.7	17.5
279	23.5	19.0	28.4



#92
Benzo(g,h,i)perylene
Concen: 52.144 ng
RT: 17.52 min Scan# 2624
Delta R.T. -0.00 min
Lab File: BF118221.D
Acq: 17 Dec 2019 2:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.2	27.4
138	19.5	15.5	23.3

