

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
 Data File : BF119472.D
 Acq On : 20 Mar 2020 15:13
 Operator : CG/JU
 Sample : PB127713BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

Quant Time: Mar 20 22:51:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	311649	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1220907	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	638706	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1191082	20.00	ng	0.00
76) Chrysene-d12	14.03	240	621142	20.00	ng	0.00
87) Perylene-d12	15.50	264	670481	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	2320816	118.55	ng	0.02
7) Phenol-d6	6.48	99	2954832	118.15	ng	0.00
23) Nitrobenzene-d5	7.42	82	1860546	82.82	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	826163	125.38	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3299049	76.52	ng	0.00
79) Terphenyl-d14	12.98	244	3481385	109.81	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.66	88	322087	33.31	ng	98
3) Pyridine	3.40	79	869252	32.63	ng	98
4) n-Nitrosodimethylamine	3.36	42	559371	43.06	ng	99
6) Aniline	6.52	93	1353023	39.20	ng	99
8) 2-Chlorophenol	6.64	128	1045952	50.87	ng	97
9) Benzaldehyde	6.40	77	659034	41.54	ng	99
10) Phenol	6.49	94	1336173	50.07	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	989825	46.38	ng	95
12) 1,3-Dichlorobenzene	6.79	146	1037429	46.62	ng	98
13) 1,4-Dichlorobenzene	6.87	146	1040310	46.74	ng	99
14) 1,2-Dichlorobenzene	7.03	146	971526	46.69	ng	99
15) Benzyl Alcohol	6.99	79	916060	48.70	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1899457	44.12	ng	99
17) 2-Methylphenol	7.10	107	851084	45.18	ng	99
18) Hexachloroethane	7.37	117	396333	48.59	ng	99
19) n-Nitroso-di-n-propylamine	7.27	70	705699	46.82	ng	95
20) 3+4-Methylphenols	7.26	107	1010655	43.77	ng	# 88
22) Acetophenone	7.26	105	1319704	45.24	ng	# 90
24) Nitrobenzene	7.44	77	1080654	45.01	ng	96
25) Isophorone	7.68	82	2005911	44.02	ng	98
26) 2-Nitrophenol	7.75	139	546014	57.76	ng	97
27) 2,4-Dimethylphenol	7.79	122	961420	49.19	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	1249113	46.35	ng	99
29) 2,4-Dichlorophenol	7.99	162	841955	46.88	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	896323	45.13	ng	98
31) Naphthalene	8.16	128	2809016	44.71	ng	99
32) Benzoic acid	7.92	122	611442	48.63	ng	98
33) 4-Chloroaniline	8.20	127	860512	29.89	ng	100
34) Hexachlorobutadiene	8.28	225	501873	45.16	ng	97
35) Caprolactam	8.59	113	172175	29.29	ng	94
36) 4-Chloro-3-methylphenol	8.69	107	928232	47.29	ng	98
37) 2-Methylnaphthalene	8.86	142	1917030	46.49	ng	100
38) 1-Methylnaphthalene	8.96	142	1805613	46.26	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	813385	43.45	ng	99

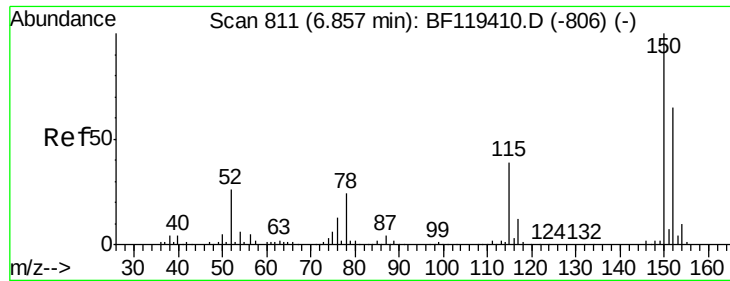
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032020\
 Data File : BF119472.D
 Acq On : 20 Mar 2020 15:13
 Operator : CG/JU
 Sample : PB127713BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

Quant Time: Mar 20 22:51:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	878930	82.58	ng	100
43) 2,4,6-Trichlorophenol	9.13	196	626387	46.76	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	655438	43.67	ng	97
46) 1,1'-Biphenyl	9.32	154	2237352	43.01	ng	99
47) 2-Chloronaphthalene	9.35	162	1784230	43.79	ng	99
48) 2-Nitroaniline	9.44	65	679573	48.32	ng	95
49) Acenaphthylene	9.76	152	2836251	44.32	ng	98
50) Dimethylphthalate	9.62	163	2113588	46.59	ng	98
51) 2,6-Dinitrotoluene	9.68	165	487266	50.11	ng	95
52) Acenaphthene	9.93	154	1869179	46.86	ng	100
53) 3-Nitroaniline	9.85	138	375376	30.58	ng	98
54) 2,4-Dinitrophenol	9.96	184	374447	88.17	ng	92
55) Dibenzofuran	10.11	168	2515388	43.98	ng	100
56) 4-Nitrophenol	10.01	139	888916	91.79	ng	89
57) 2,4-Dinitrotoluene	10.09	165	650033	53.06	ng	93
58) Fluorene	10.45	166	1888079	44.64	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	551179	49.13	ng	99
60) Diethylphthalate	10.33	149	2153244	46.76	ng	98
61) 4-Chlorophenyl-phenylether	10.44	204	924596	44.70	ng	98
62) 4-Nitroaniline	10.47	138	512783	43.56	ng	98
63) Azobenzene	10.60	77	2074740	44.74	ng	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	273806	54.82	ng	83
66) n-Nitrosodiphenylamine	10.56	169	1795856	45.93	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	612119	45.13	ng	97
68) Hexachlorobenzene	11.00	284	640793	46.16	ng	98
69) Atrazine	11.09	200	552332	51.53	ng	99
70) Pentachlorophenol	11.19	266	708053	86.98	ng	98
71) Phenanthrene	11.42	178	2750644	44.54	ng	99
72) Anthracene	11.47	178	2825812	45.02	ng	100
73) Carbazole	11.62	167	2663225	42.87	ng	99
74) Di-n-butylphthalate	11.95	149	3298210	49.63	ng	98
75) Fluoranthene	12.60	202	2845755	42.58	ng	99
77) Benzidine	12.72	184	1906705	72.53	ng	99
78) Pyrene	12.83	202	2809038	55.10	ng	99
80) Butylbenzylphthalate	13.45	149	1340154	65.00	ng	96
81) Benzo(a)anthracene	14.02	228	1958563	48.49	ng	100
82) 3,3'-Dichlorobenzidine	13.98	252	705855	44.32	ng	98
83) Chrysene	14.06	228	1998854	47.95	ng	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	1656904	67.41	ng	100
85) Di-n-octyl phthalate	14.63	149	2685288	62.12	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	2413257	61.47	ng	98
88) Benzo(b)fluoranthene	15.07	252	1988449	44.40	ng	97
89) Benzo(k)fluoranthene	15.10	252	1857503	43.55	ng	99
90) Benzo(a)pyrene	15.44	252	1814041	44.57	ng	98
91) Dibenzo(a,h)anthracene	17.00	278	1946279	54.67	ng	99
92) Benzo(g,h,i)perylene	17.43	276	2082199	58.22	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

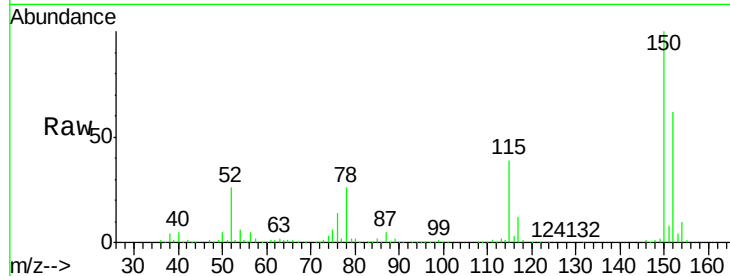
Tgt Ion:152 Resp: 311649

Ion Ratio Lower Upper

152 100

150 161.0 123.9 185.9

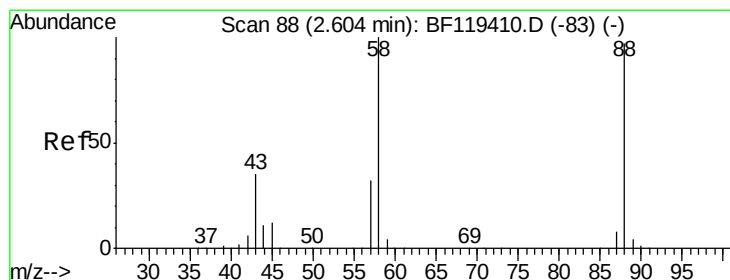
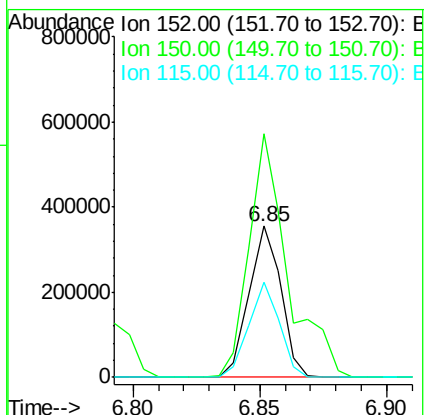
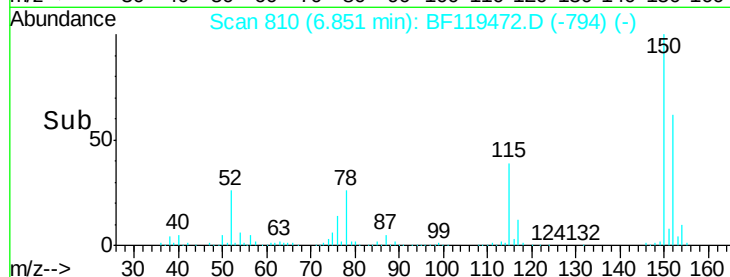
115 62.6 47.8 71.6



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: 33.31 ng

RT: 2.66 min Scan# 97

Delta R.T. 0.05 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

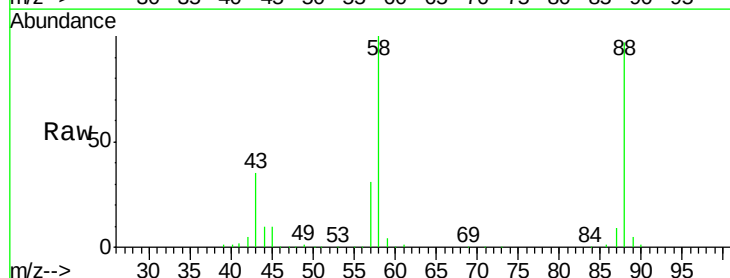
Tgt Ion: 88 Resp: 322087

Ion Ratio Lower Upper

88 100

58 102.6 79.4 119.2

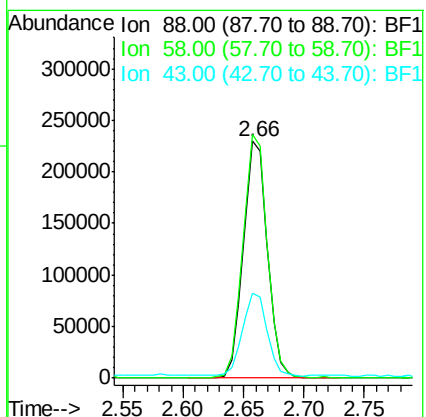
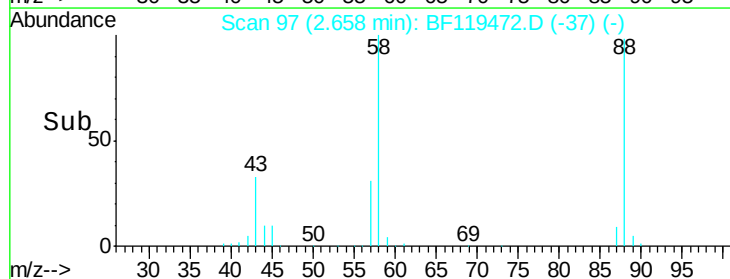
43 35.4 28.4 42.6

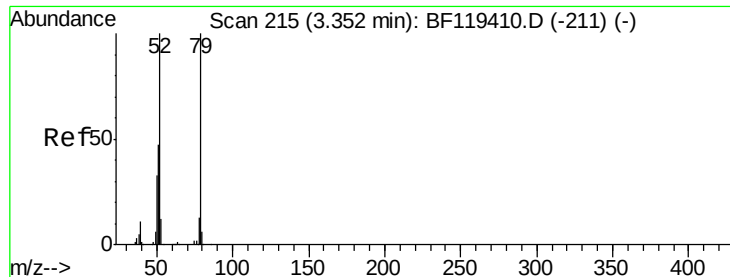


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 32.63 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.05 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

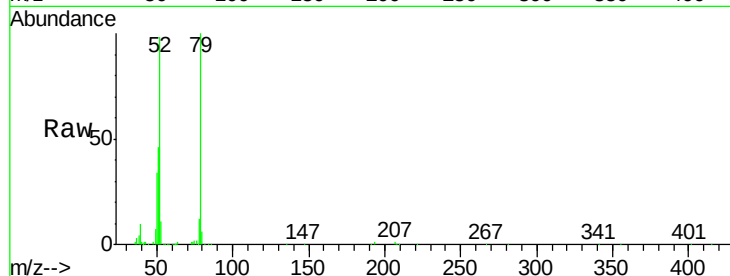
Tgt Ion: 79 Resp: 869252

Ion Ratio Lower Upper

79 100

52 98.1 80.0 120.0

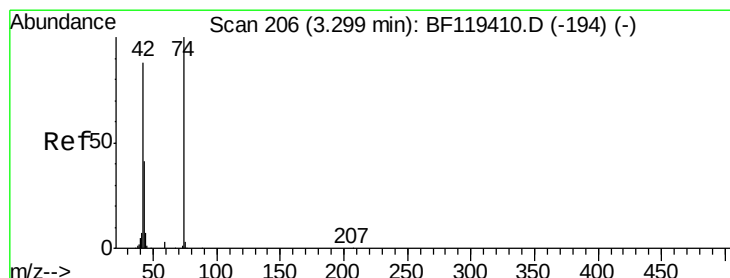
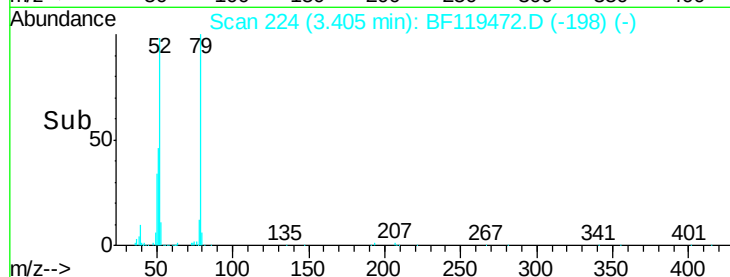
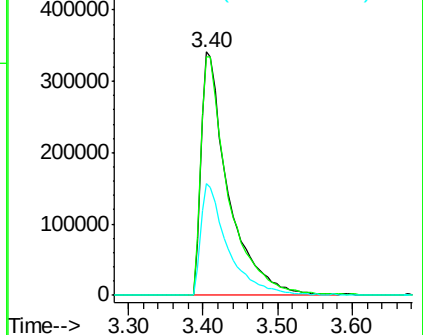
51 46.0 37.9 56.9



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: 43.06 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.06 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

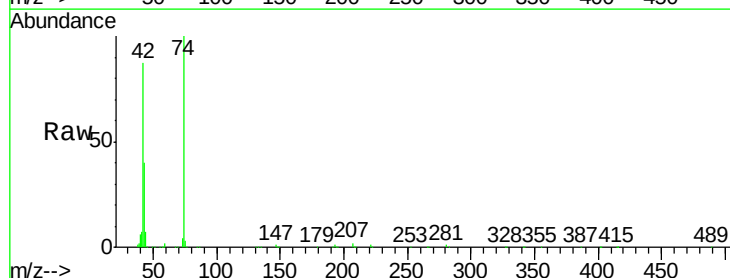
Tgt Ion: 42 Resp: 559371

Ion Ratio Lower Upper

42 100

74 115.2 91.3 136.9

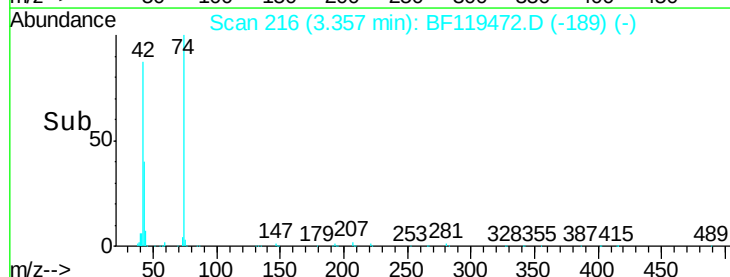
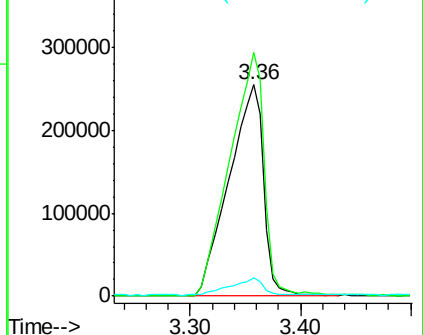
44 8.4 7.1 10.7

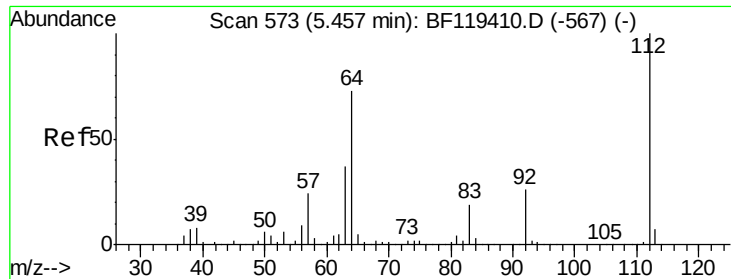


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 118.55 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

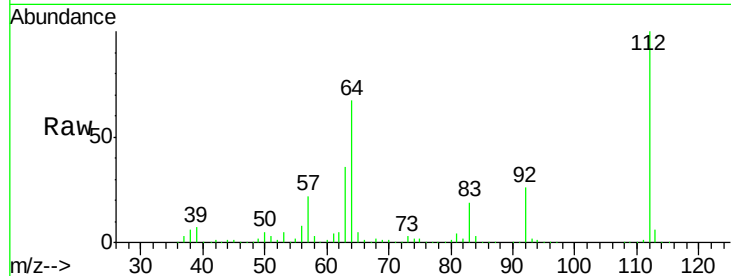
Tgt Ion: 112 Resp: 2320816

Ion Ratio Lower Upper

112 100

64 67.1 58.1 87.1

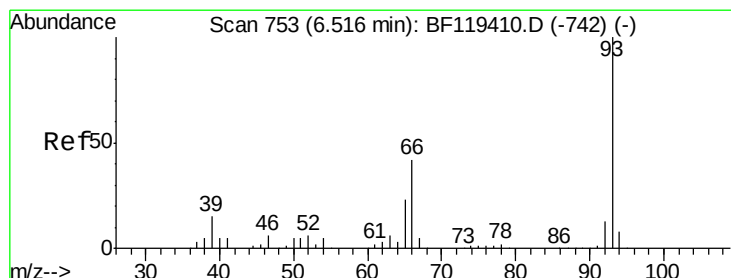
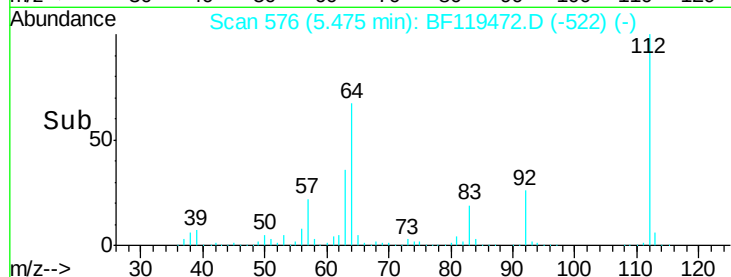
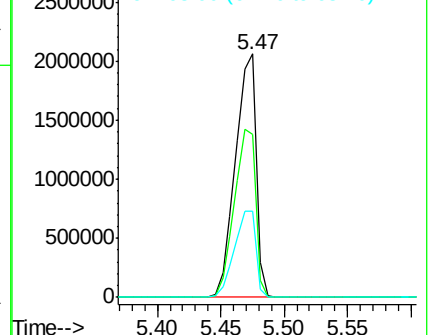
63 35.6 29.7 44.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 39.20 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

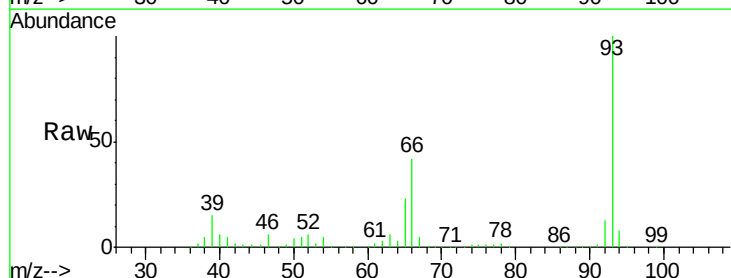
Tgt Ion: 93 Resp: 1353023

Ion Ratio Lower Upper

93 100

66 42.2 34.2 51.4

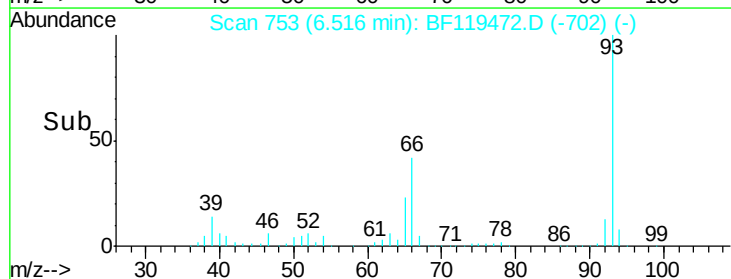
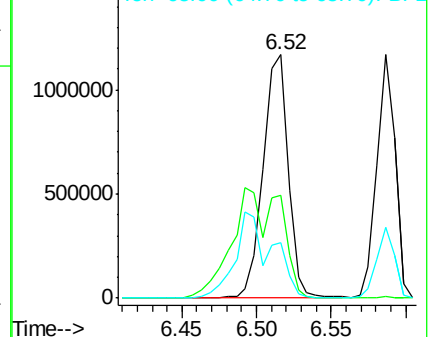
65 22.7 18.2 27.4

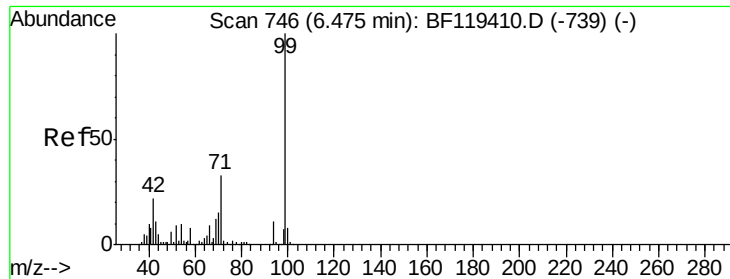


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 118.15 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

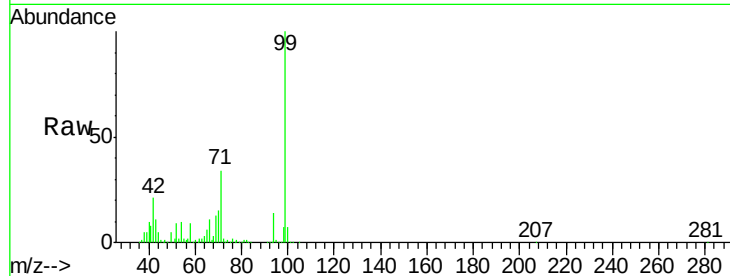
Tgt Ion: 99 Resp: 2954832

Ion Ratio Lower Upper

99 100

42 21.3 17.8 26.6

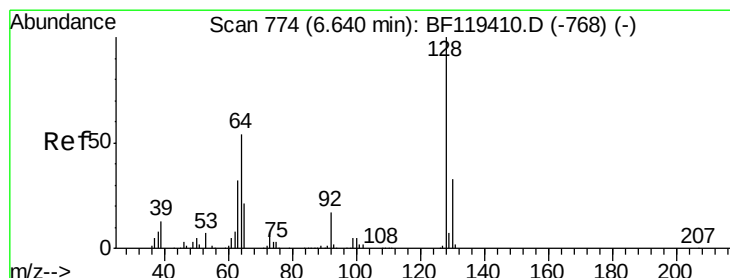
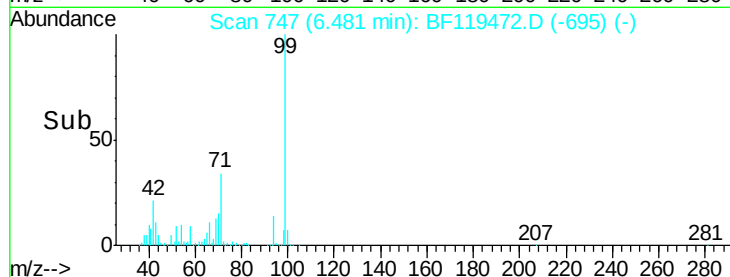
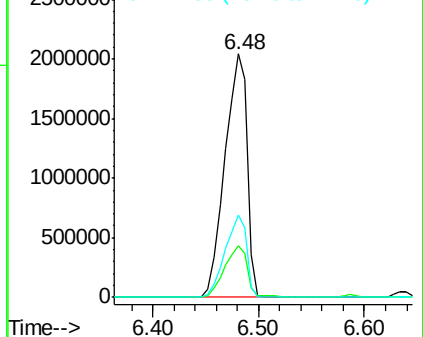
71 34.0 26.0 39.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 50.87 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

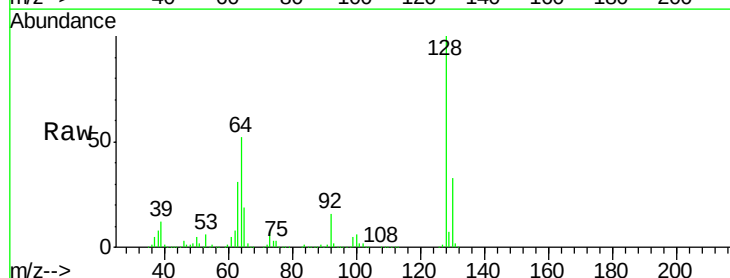
Tgt Ion: 128 Resp: 1045952

Ion Ratio Lower Upper

128 100

130 33.3 13.0 53.0

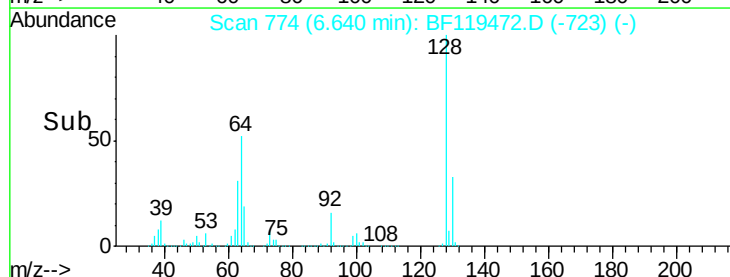
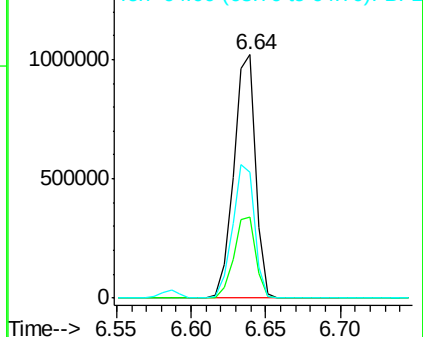
64 51.8 35.1 75.1

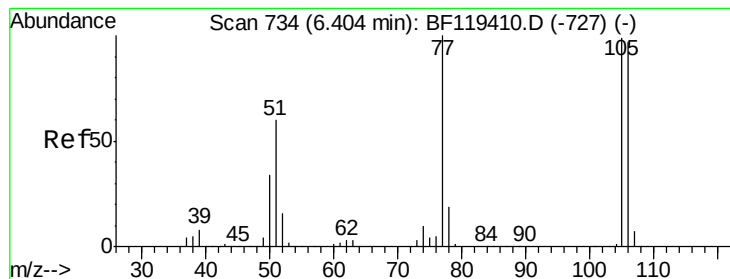


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 41.54 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

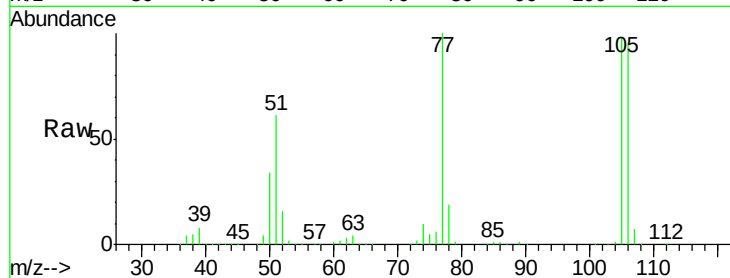
Tgt Ion: 77 Resp: 659034

Ion Ratio Lower Upper

77 100

105 97.9 78.6 118.6

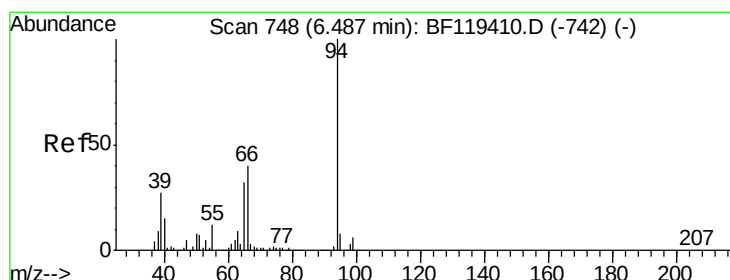
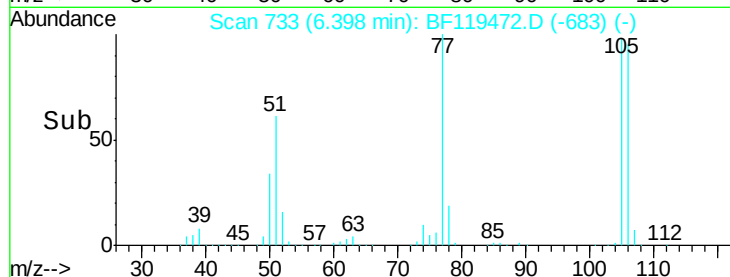
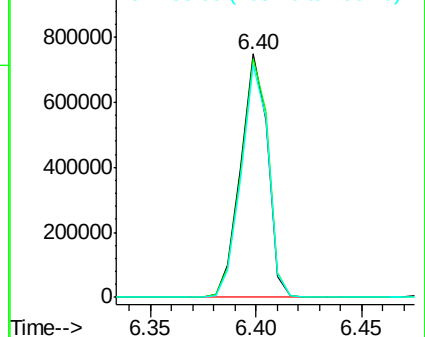
106 95.2 76.5 116.5



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: 50.07 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

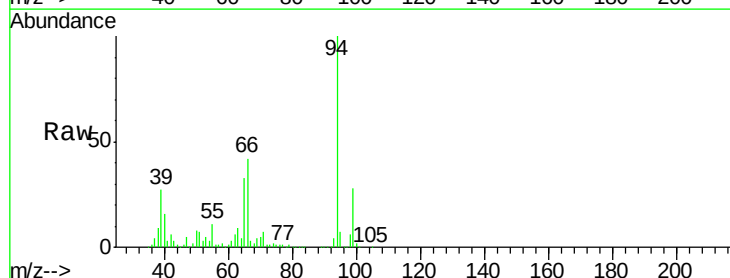
Tgt Ion: 94 Resp: 1336173

Ion Ratio Lower Upper

94 100

65 33.3 12.0 52.0

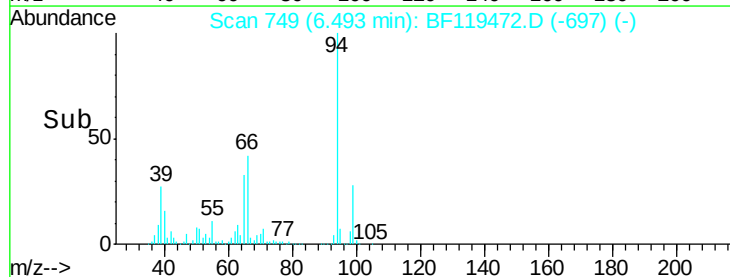
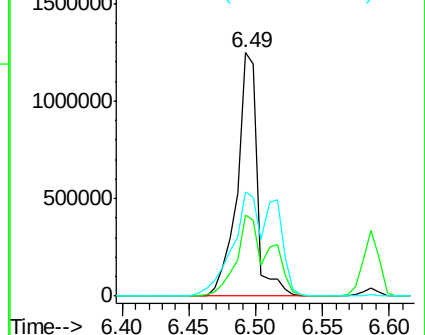
66 42.5 20.6 60.6

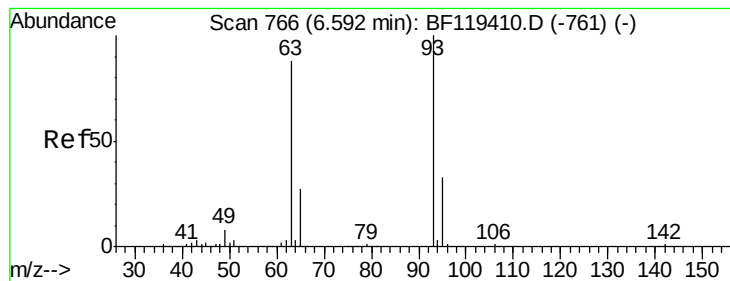


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 46.38 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

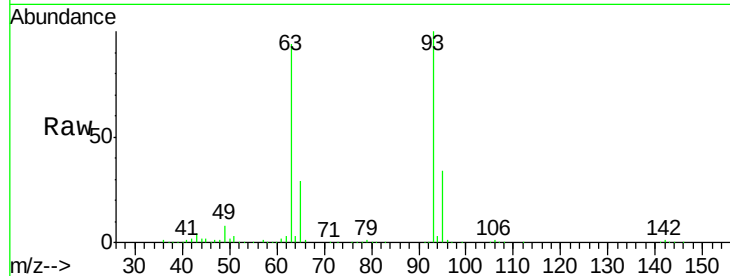
Tgt Ion: 93 Resp: 989825

Ion Ratio Lower Upper

93 100

63 94.2 68.4 108.4

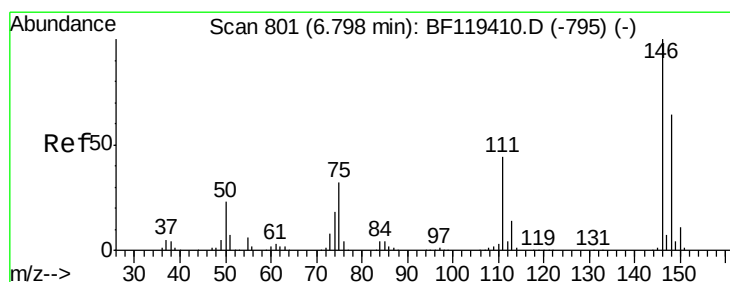
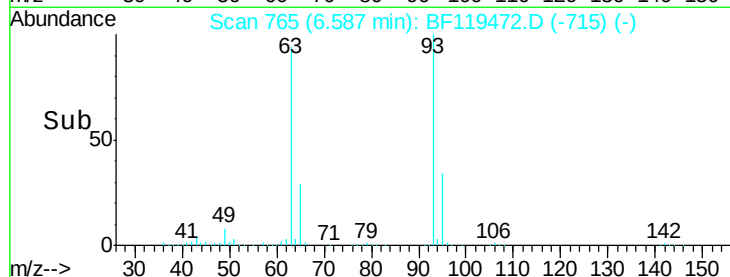
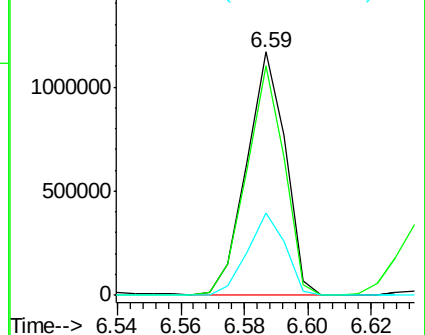
95 33.9 13.4 53.4



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: 46.62 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

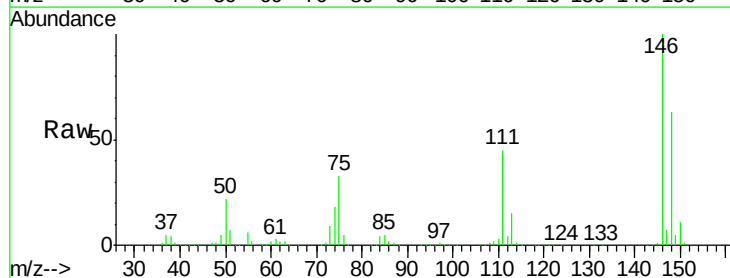
Tgt Ion: 146 Resp: 1037429

Ion Ratio Lower Upper

146 100

148 62.7 51.4 77.0

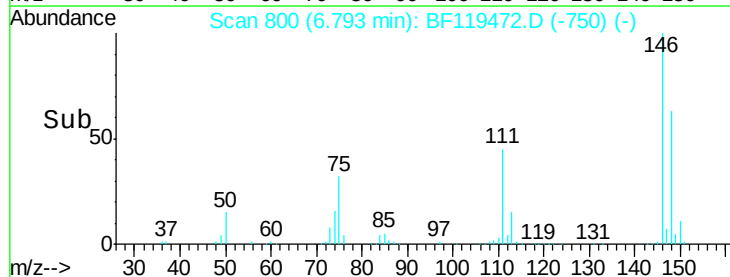
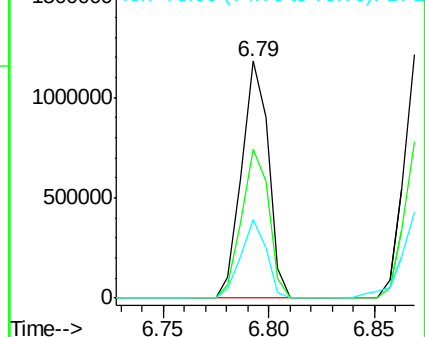
75 33.3 25.8 38.8

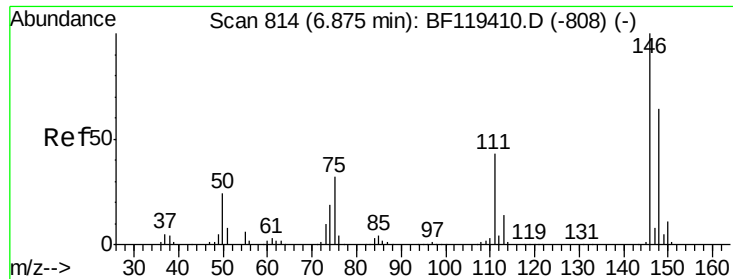


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

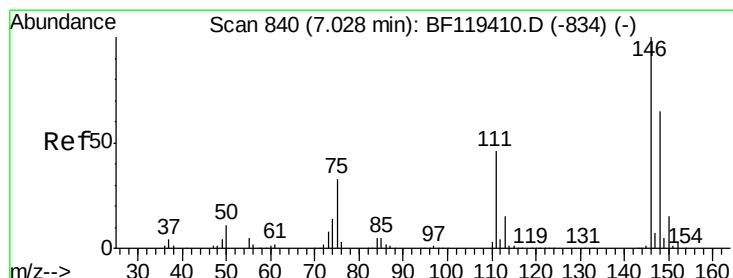
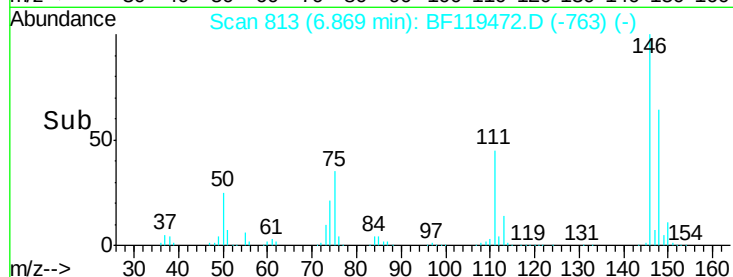
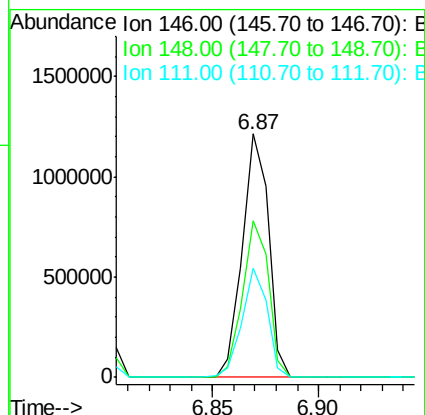
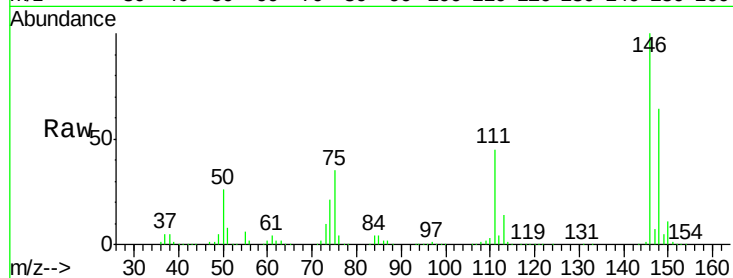




#13
 1,4-Dichlorobenzene
 Concen: 46.74 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

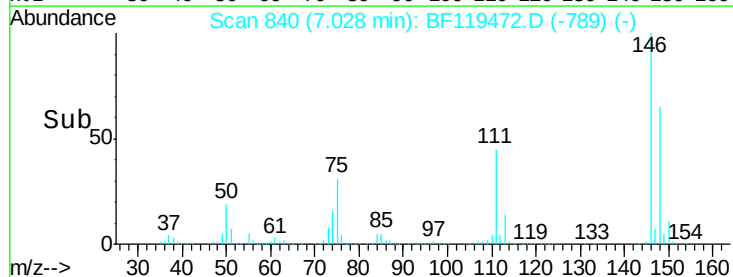
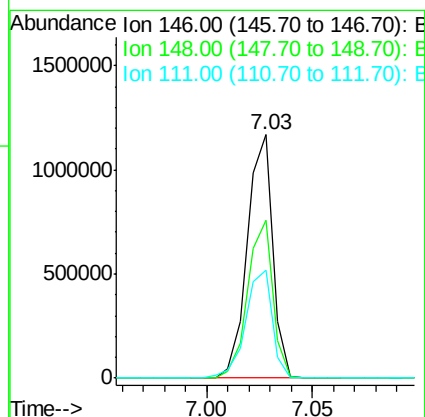
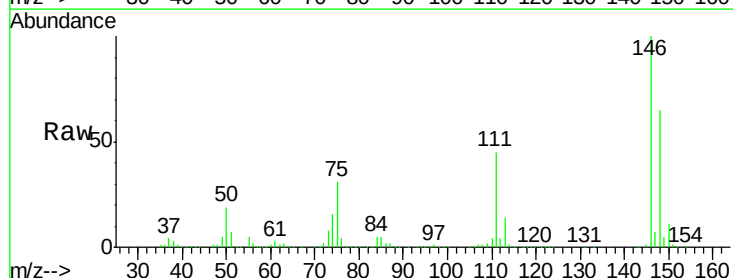
Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

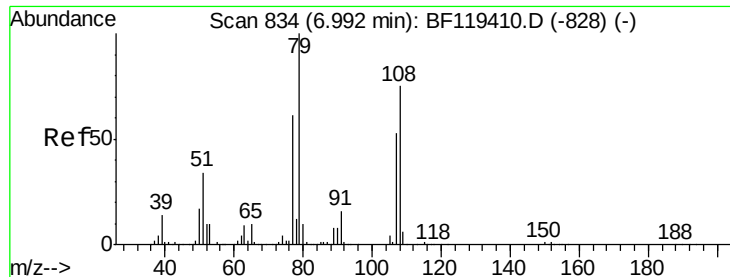
Tgt Ion:146 Resp: 1040310
 Ion Ratio Lower Upper
 146 100
 148 64.3 50.9 76.3
 111 44.8 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 46.69 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion:146 Resp: 971526
 Ion Ratio Lower Upper
 146 100
 148 64.9 51.7 77.5
 111 44.6 36.4 54.6





#15

Benzyl Alcohol

Concen: 48.70 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

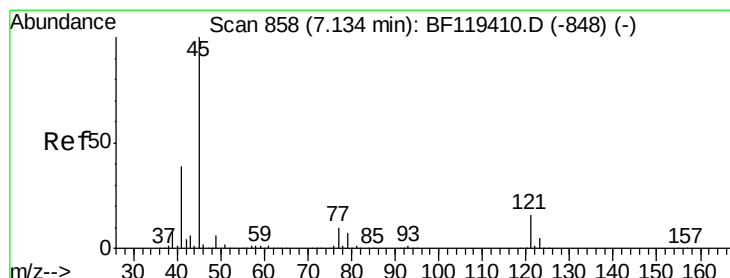
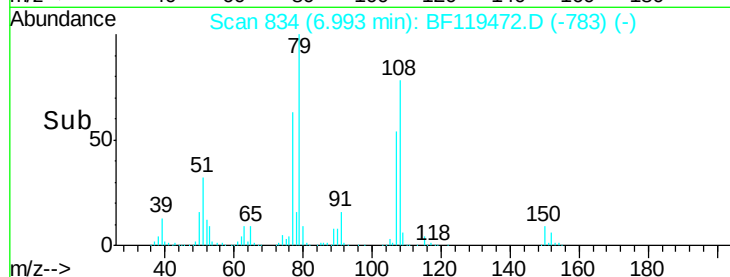
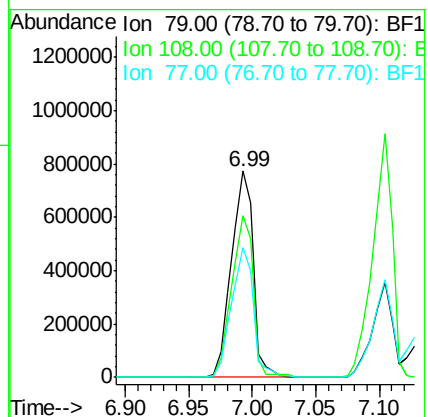
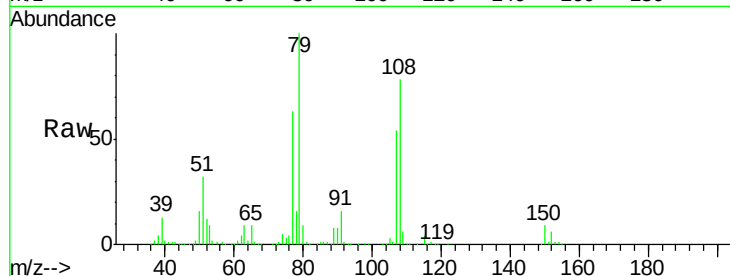
Tgt Ion: 79 Resp: 916060

Ion Ratio Lower Upper

79 100

108 78.5 60.4 90.6

77 63.0 49.0 73.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.12 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

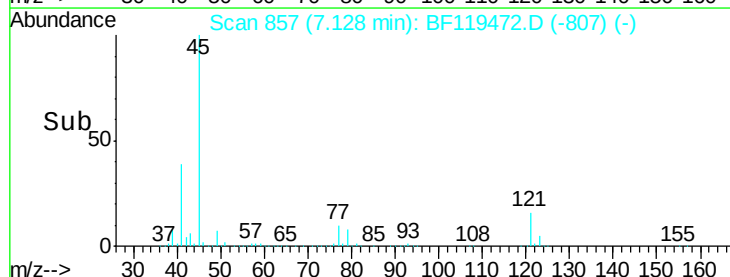
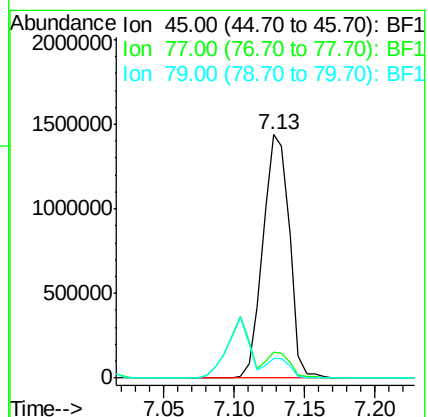
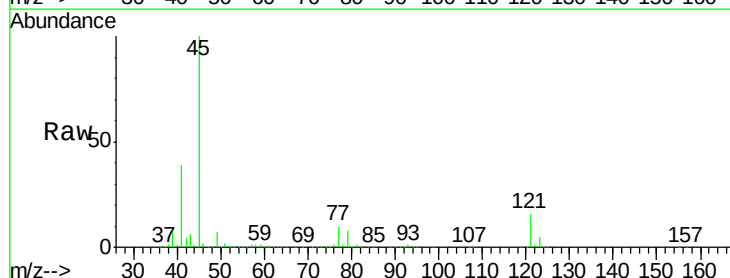
Tgt Ion: 45 Resp: 1899457

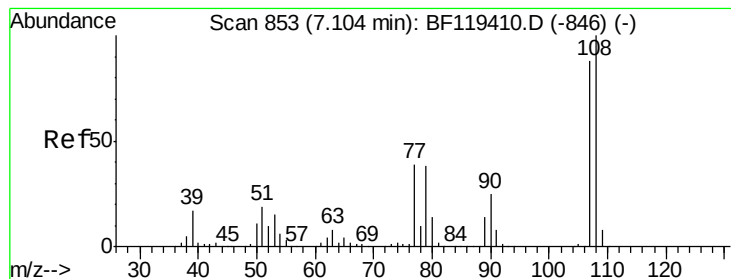
Ion Ratio Lower Upper

45 100

77 10.5 0.0 30.1

79 8.0 0.0 27.4





#17

2-Methylphenol

Concen: 45.18 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

Tgt Ion:107 Resp: 851084

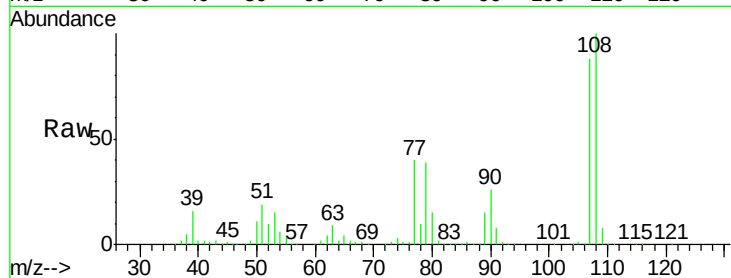
Ion Ratio Lower Upper

107 100

108 113.5 90.7 136.1

77 45.4 35.6 53.4

79 44.2 34.7 52.1

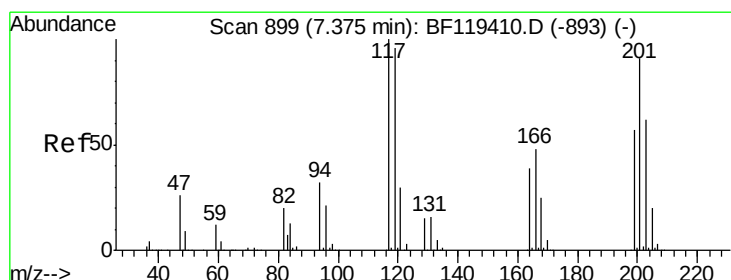
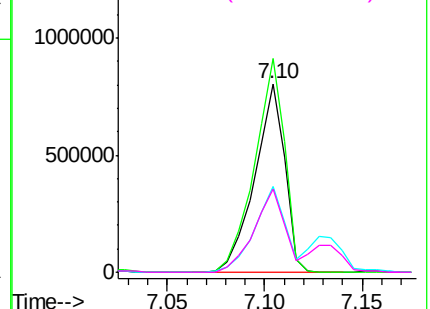
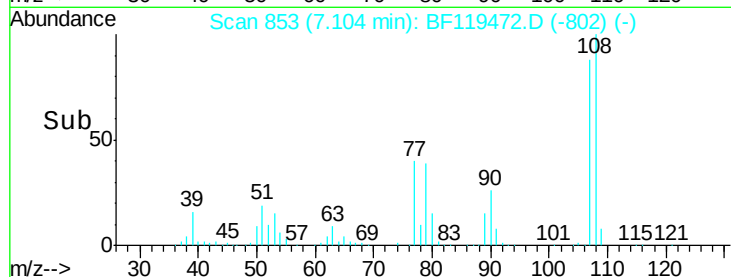


Abundance Ion 107.00 (106.70 to 107.70): E

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: 48.59 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

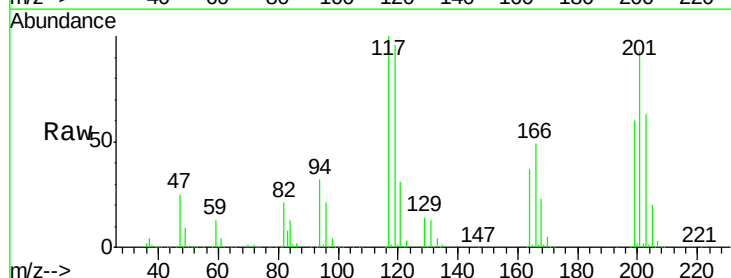
Tgt Ion:117 Resp: 396333

Ion Ratio Lower Upper

117 100

119 95.8 76.8 115.2

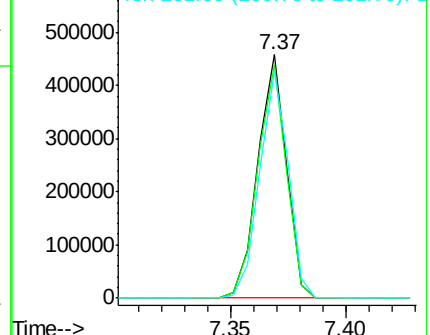
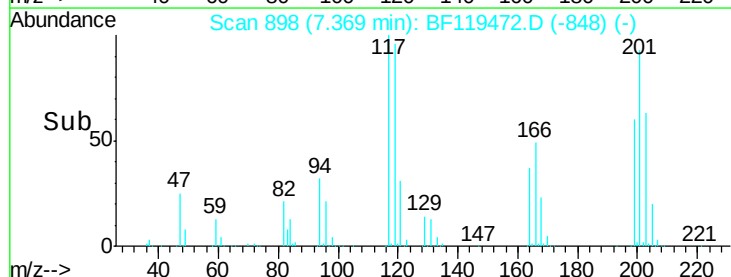
201 93.1 72.5 108.7

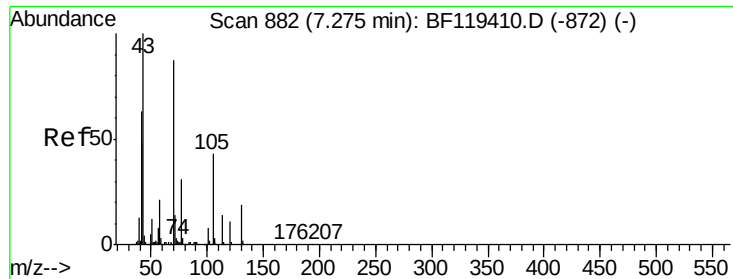


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

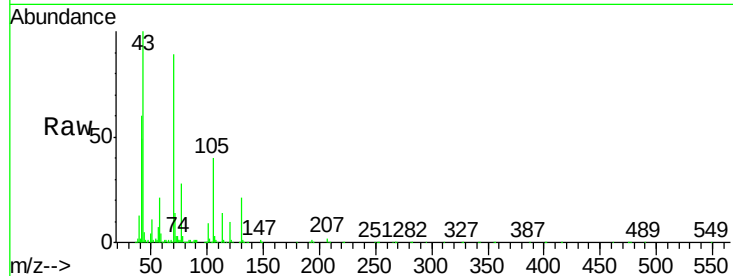




#19
n-Nitroso-di-n-propylamine
Concen: 46.82 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_F
ClientSampleId :
PB127713BS

Tgt Ion:	70	Resp:	705699
Ion	Ratio	Lower	Upper
70	100		
42	68.2	58.2	87.4
101	10.4	7.4	11.2
130	23.7	17.8	26.8



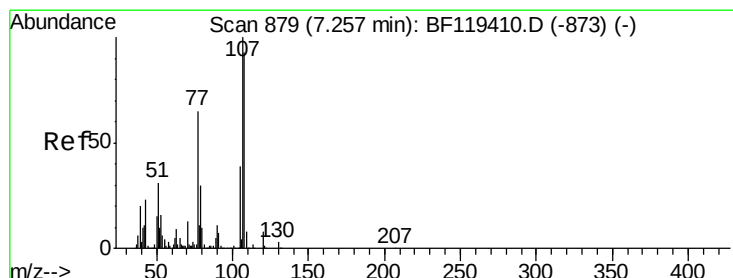
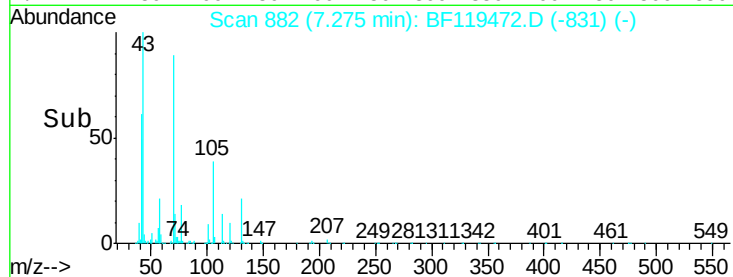
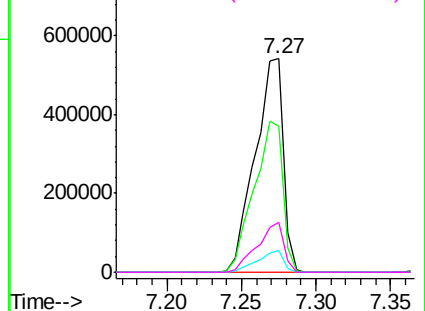
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

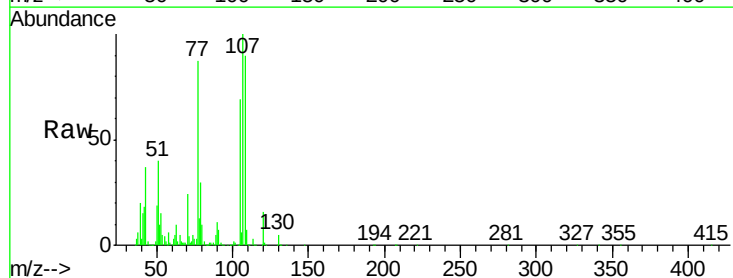
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 43.77 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Tgt Ion:	107	Resp:	1010655
Ion	Ratio	Lower	Upper
107	100		
108	89.9	72.6	112.6
77	87.5	44.7	84.7#
79	29.6	10.2	50.2



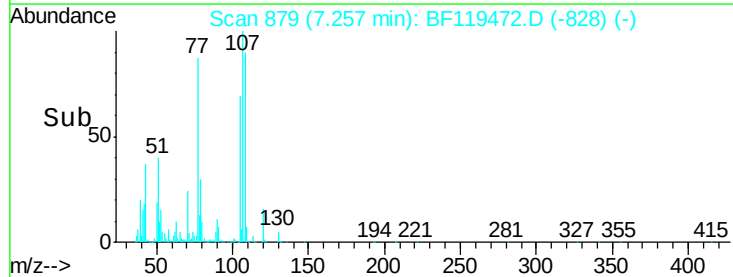
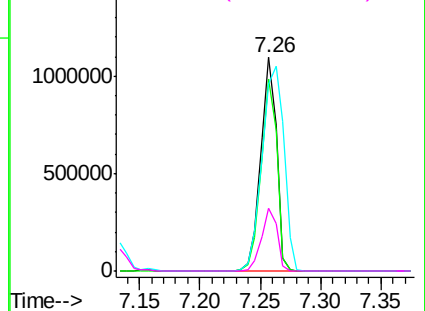
Abundance

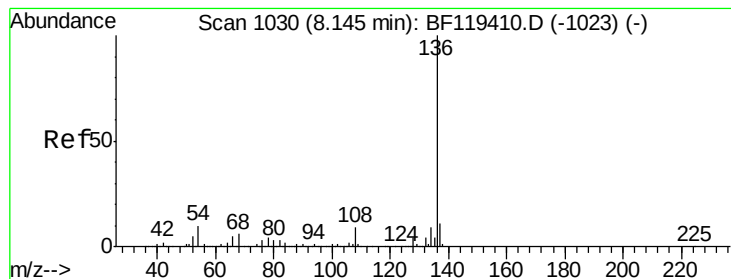
Ion 107.00 (106.70 to 107.70): BF1

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: 20.00 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

Tgt Ion:136 Resp: 1220907

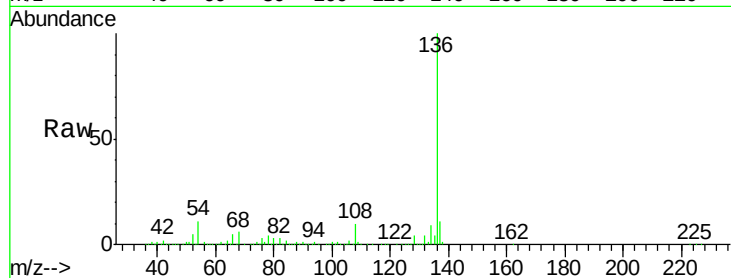
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 10.8 8.3 12.5

68 6.2 4.9 7.3

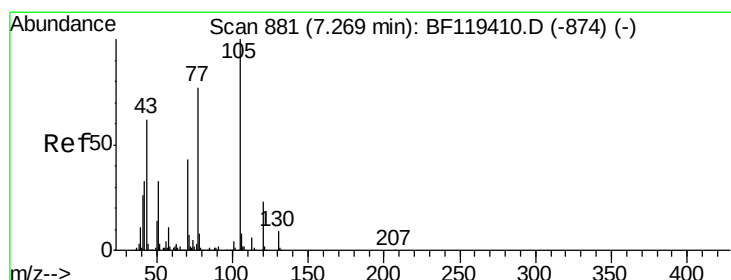
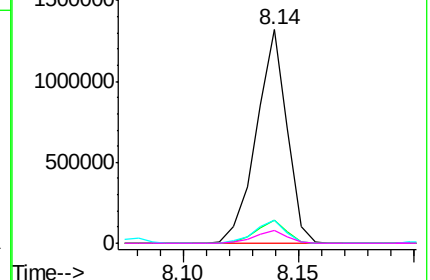
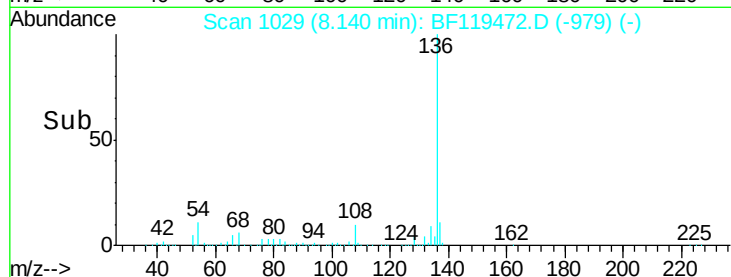


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 45.24 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Tgt Ion:105 Resp: 1319704

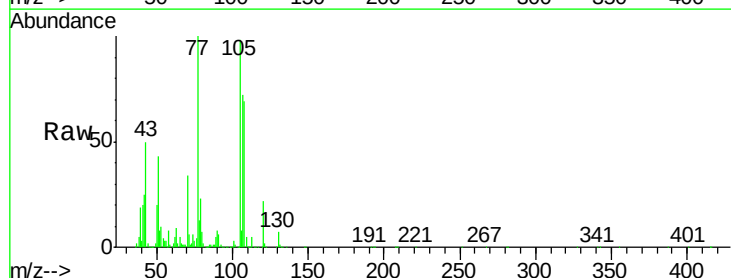
Ion Ratio Lower Upper

105 100

71 5.9 5.8 8.6

51 44.2 26.8 40.2#

120 22.6 18.0 27.0

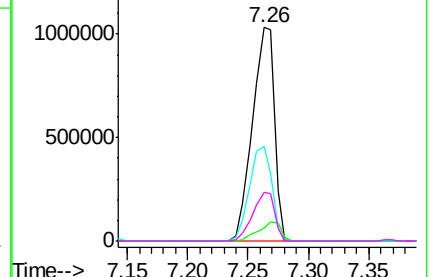
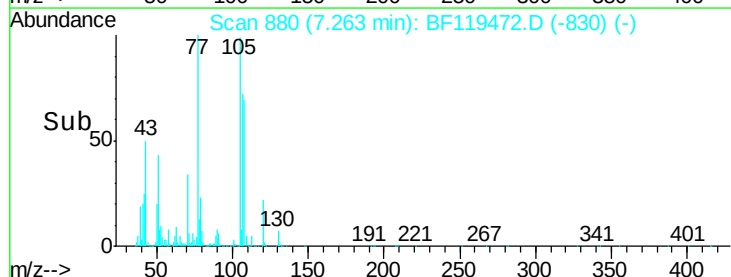


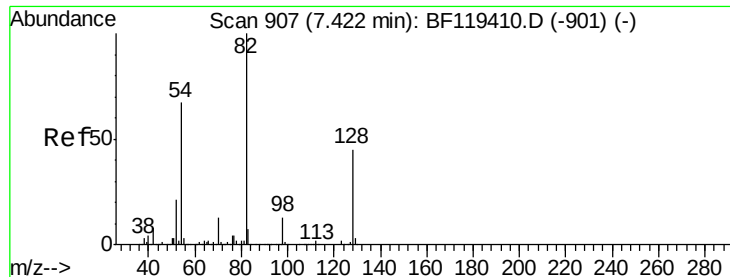
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

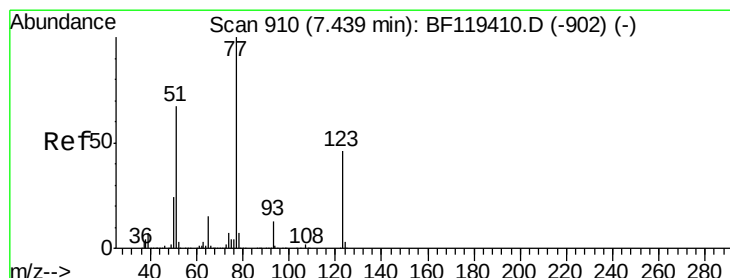
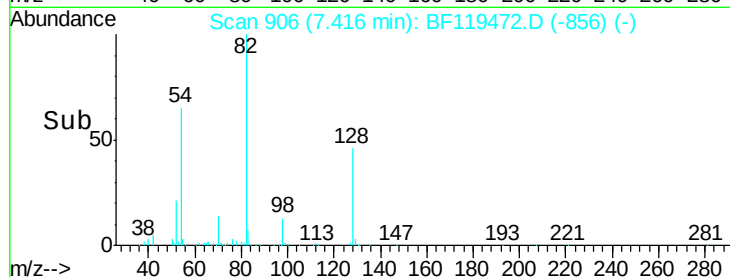
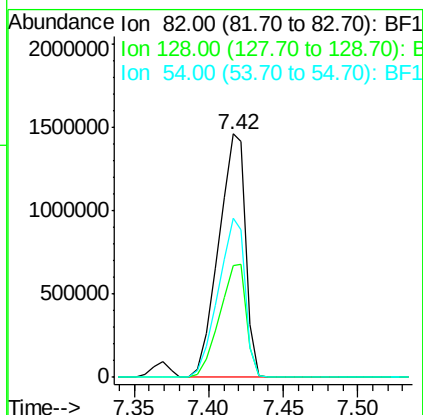
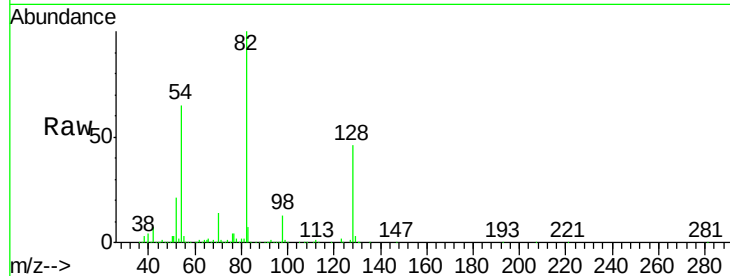




#23
 Nitrobenzene-d5
 Concen: 82.82 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

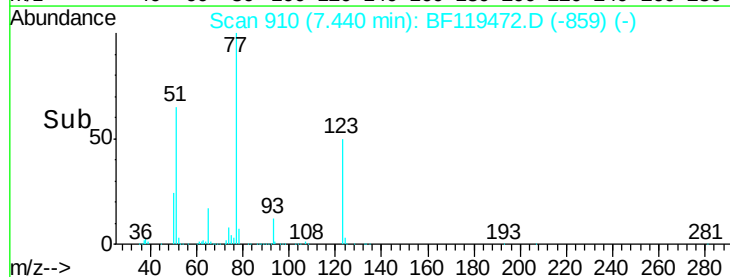
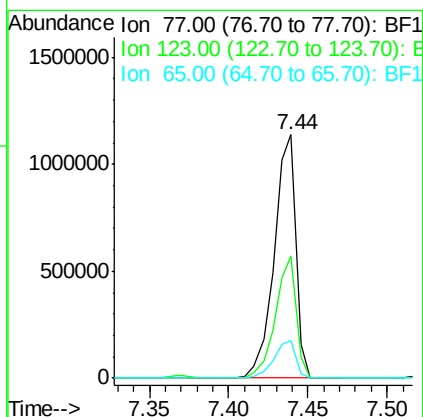
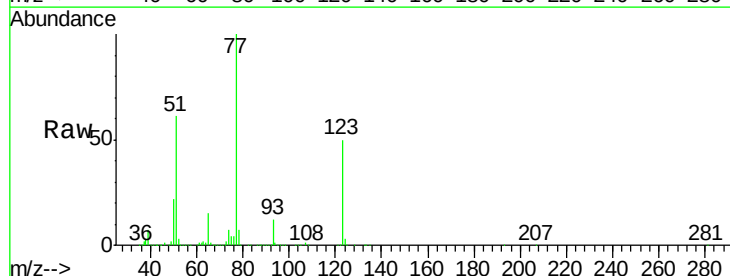
Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

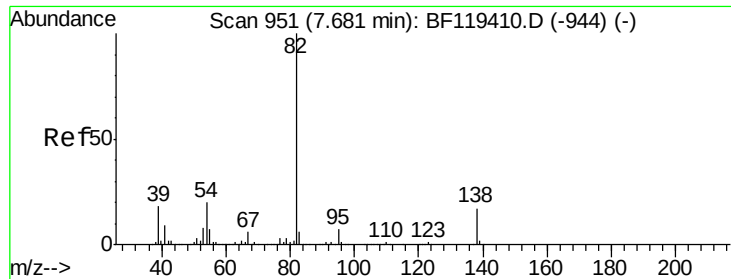
Tgt Ion: 82 Resp: 1860546
 Ion Ratio Lower Upper
 82 100
 128 45.7 35.8 53.8
 54 65.4 53.4 80.0



#24
 Nitrobenzene
 Concen: 45.01 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion: 77 Resp: 1080654
 Ion Ratio Lower Upper
 77 100
 123 49.9 36.9 55.3
 65 15.3 12.2 18.4





#25

Isophorone

Concen: 44.02 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

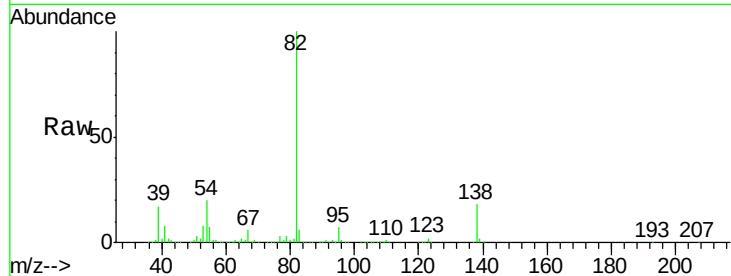
Tgt Ion: 82 Resp: 2005911

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

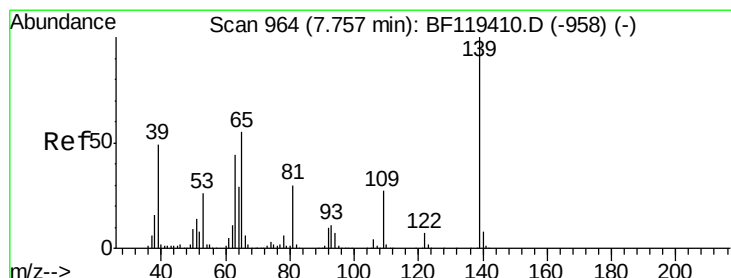
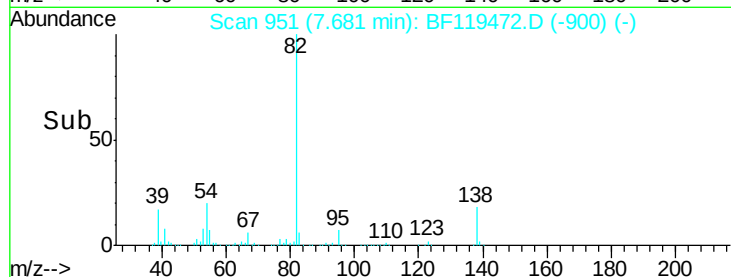
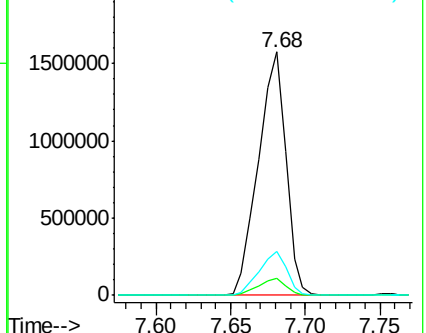
138 18.3 13.8 20.8



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: 57.76 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

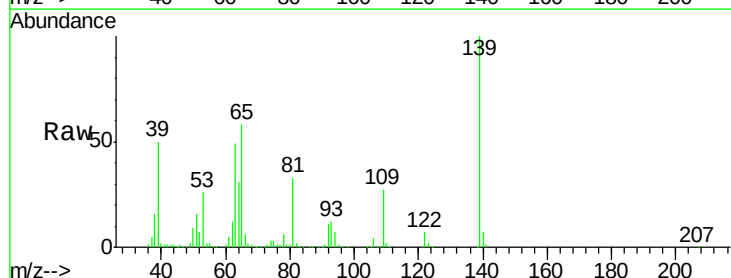
Tgt Ion: 139 Resp: 546014

Ion Ratio Lower Upper

139 100

109 27.1 21.7 32.5

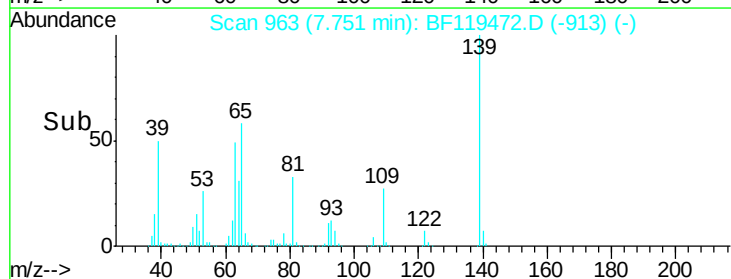
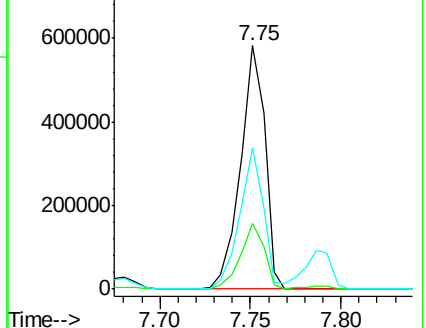
65 58.1 43.9 65.9

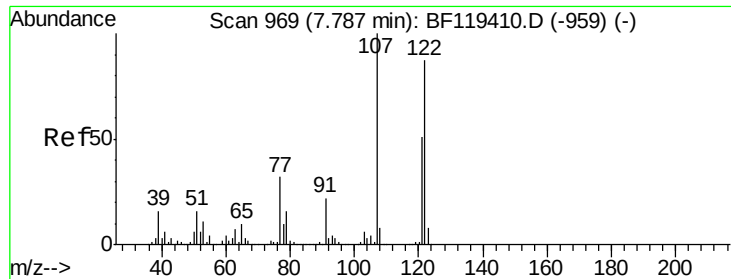


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

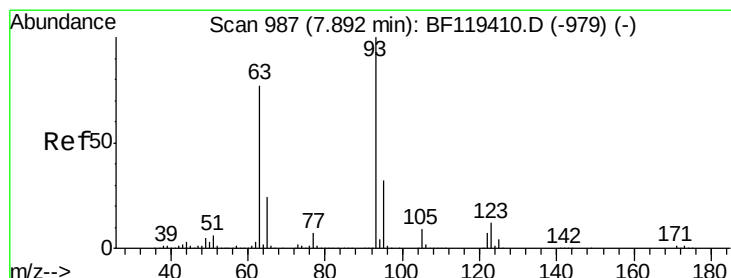
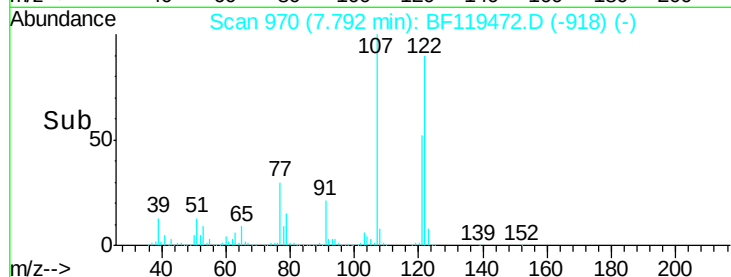
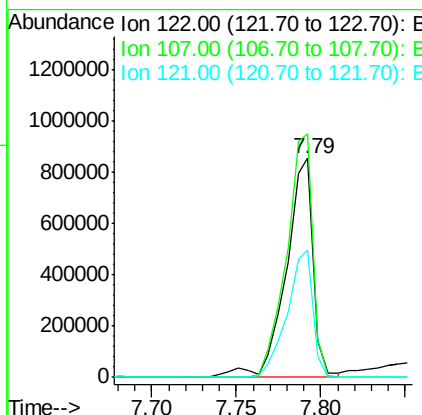
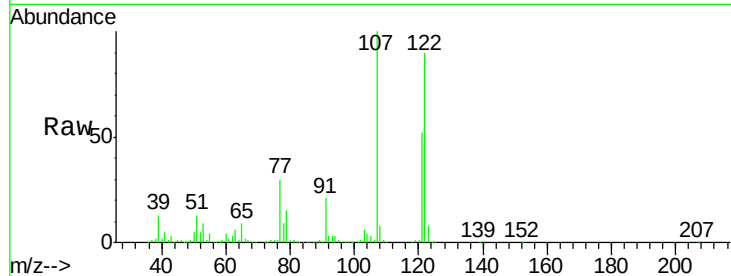




#27
2,4-Dimethylphenol
Concen: 49.19 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

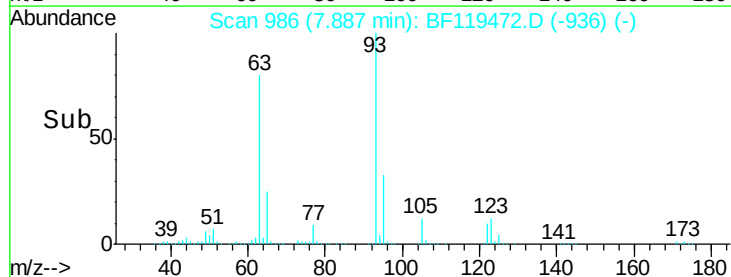
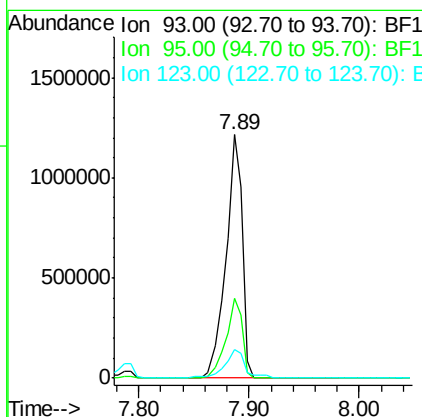
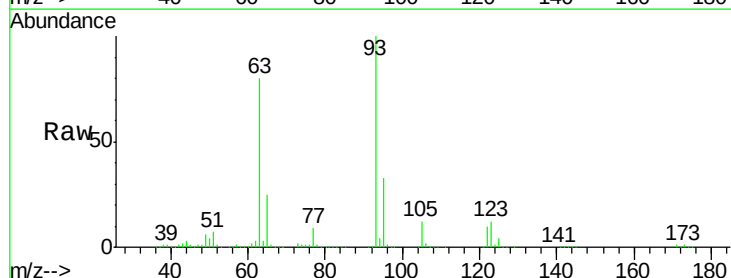
Instrument :
BNA_F
ClientSampleId :
PB127713BS

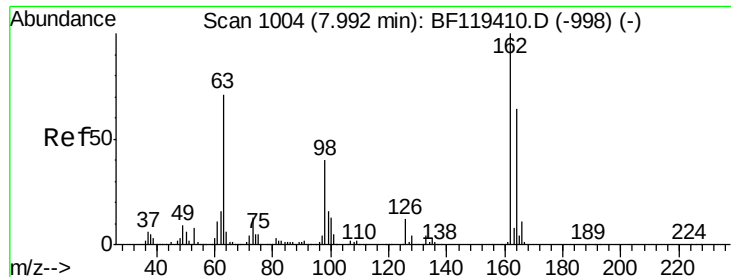
Tgt Ion:122 Resp: 961420
Ion Ratio Lower Upper
122 100
107 111.0 91.8 137.6
121 57.8 46.5 69.7



#28
bis(2-Chloroethoxy)methane
Concen: 46.35 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Tgt Ion: 93 Resp: 1249113
Ion Ratio Lower Upper
93 100
95 32.9 26.0 39.0
123 11.8 9.7 14.5

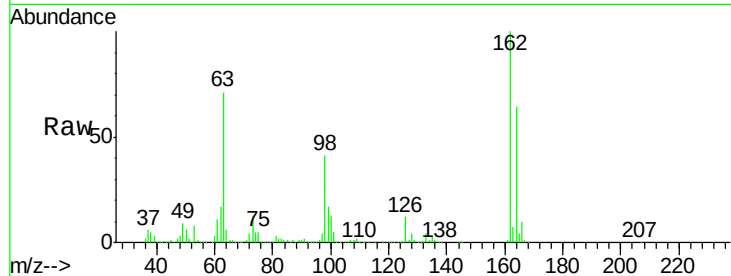




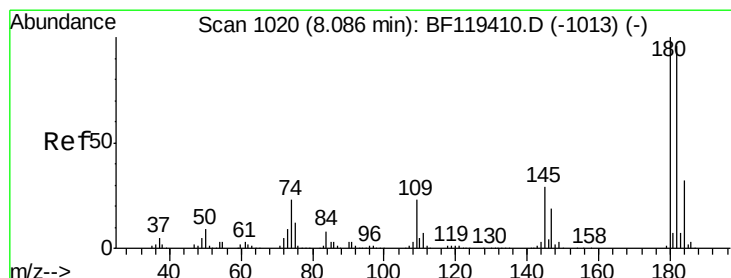
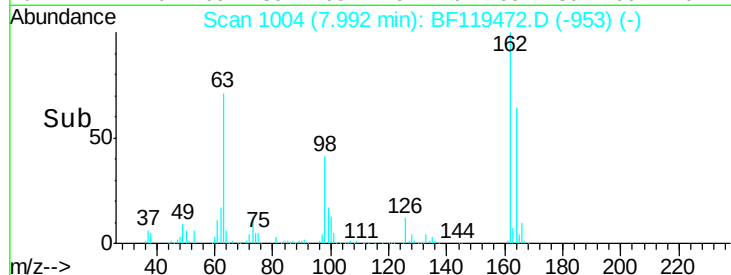
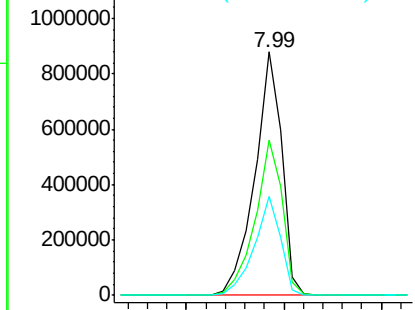
#29
 2,4-Dichlorophenol
 Concen: 46.88 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.6	83.6
98	40.8	20.4	60.4

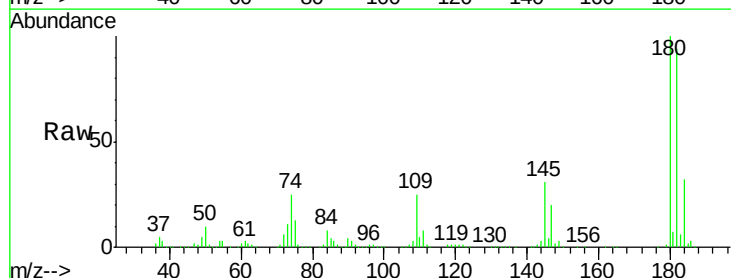


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

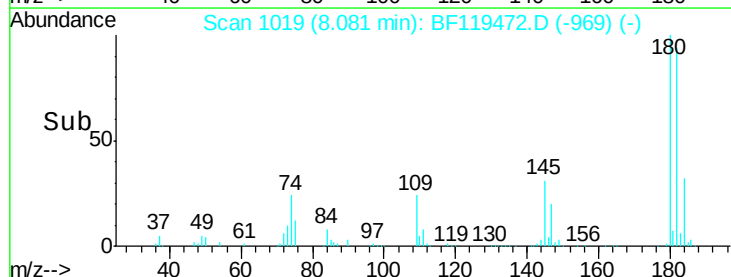
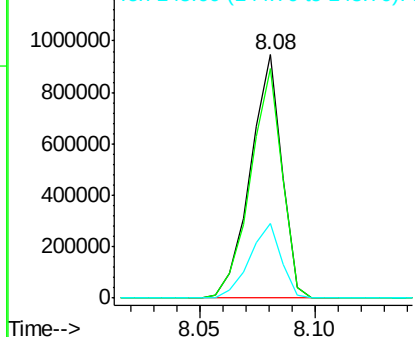


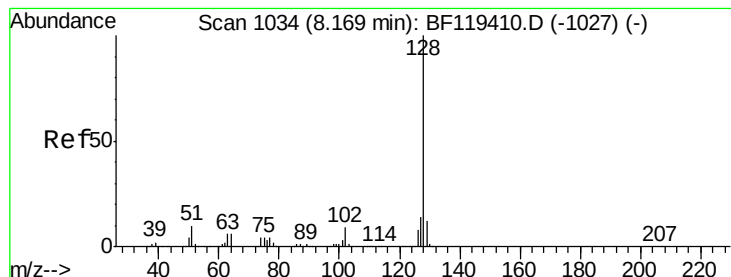
#30
 1,2,4-Trichlorobenzene
 Concen: 45.13 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.6	115.0
145	30.6	23.2	34.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.71 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

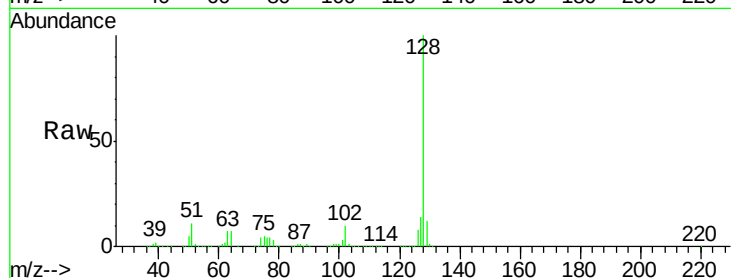
Tgt Ion:128 Resp: 2809016

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

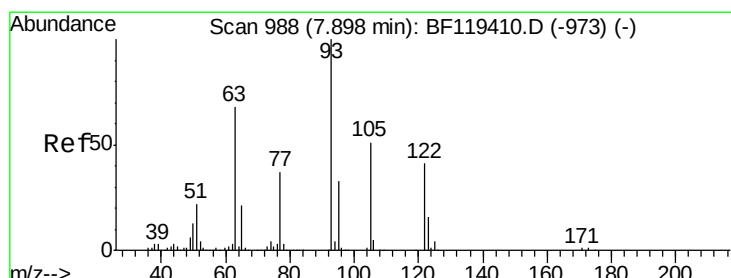
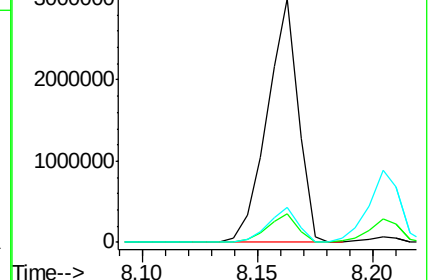
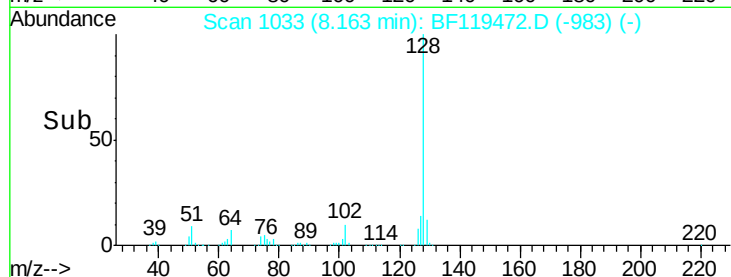
127 14.3 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 48.63 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

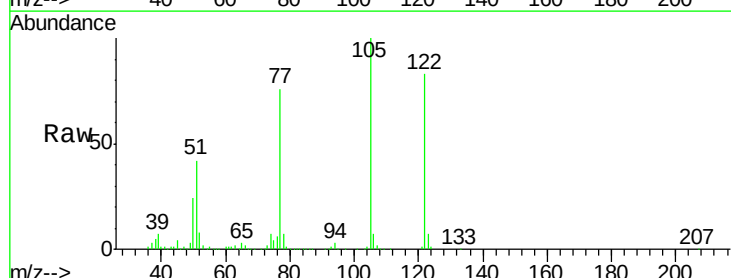
Tgt Ion:122 Resp: 611442

Ion Ratio Lower Upper

122 100

105 120.2 102.9 142.9

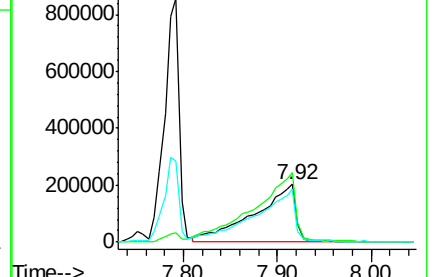
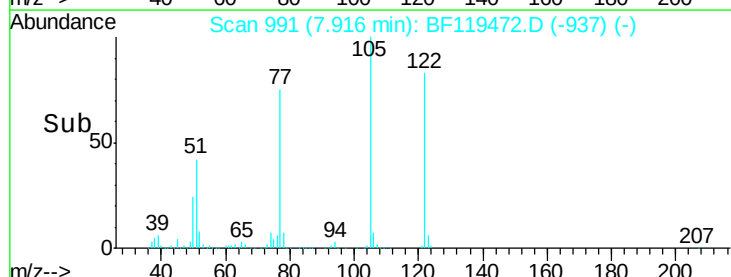
77 91.2 70.1 110.1

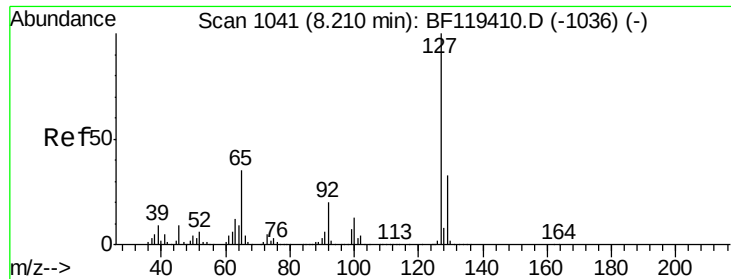


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

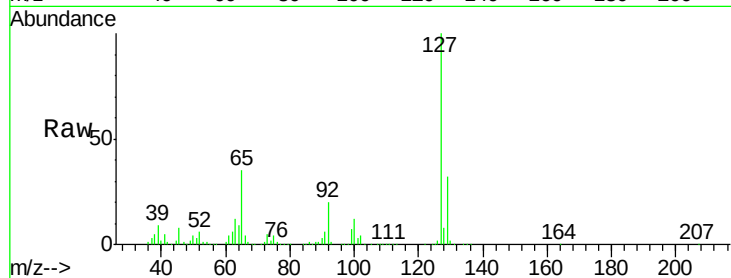




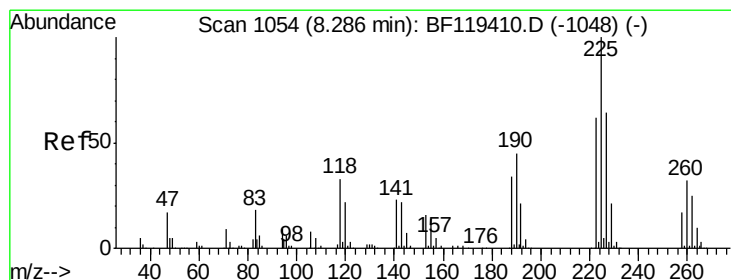
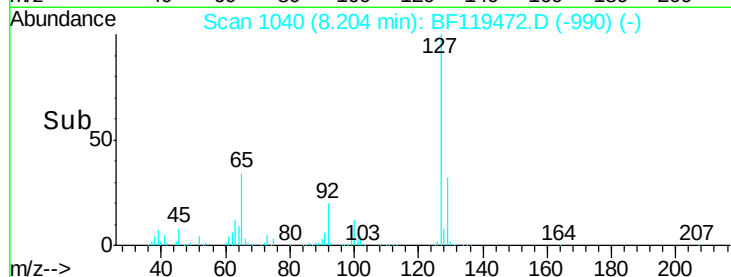
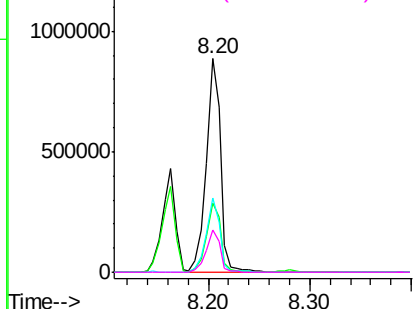
#33
 4-Chloroaniline
 Concen: 29.89 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

Tgt Ion:	127	Resp:	860512
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	34.7	27.7	41.5
92	19.9	15.8	23.6

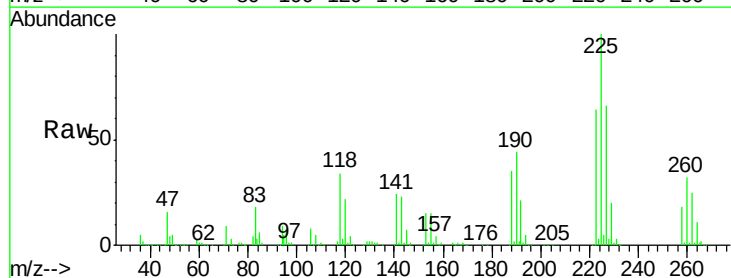


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

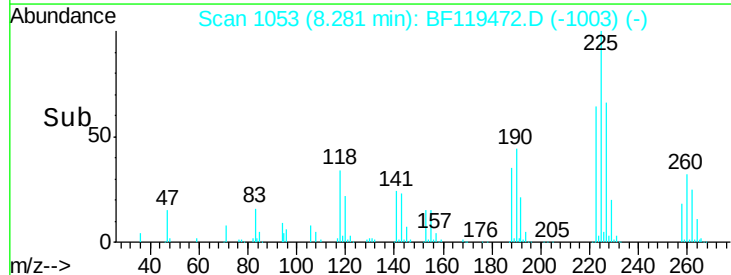
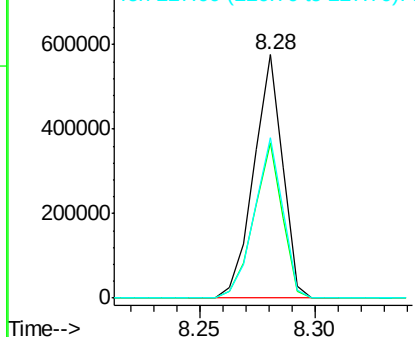


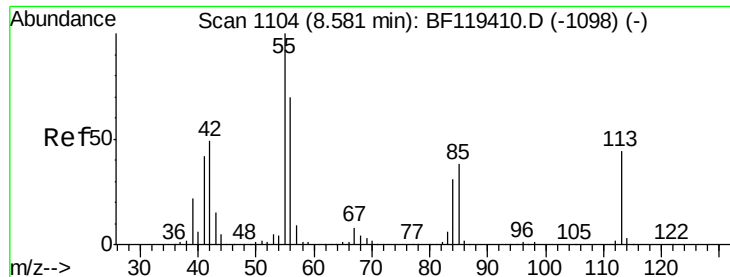
#34
 Hexachlorobutadiene
 Concen: 45.16 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion:	225	Resp:	501873
Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.2	73.8
227	65.9	51.1	76.7



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

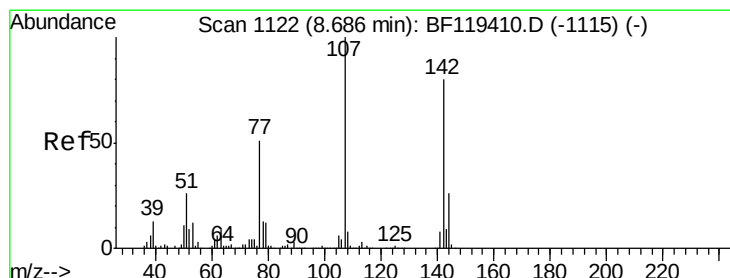
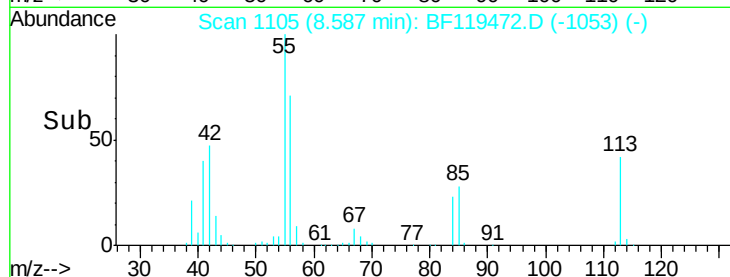
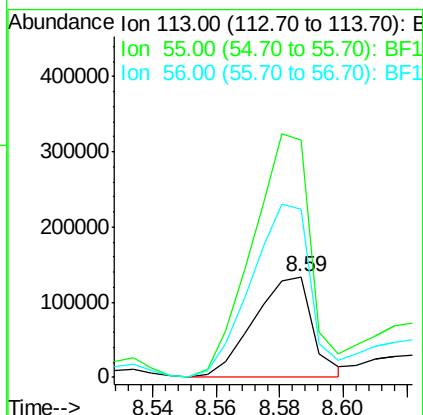
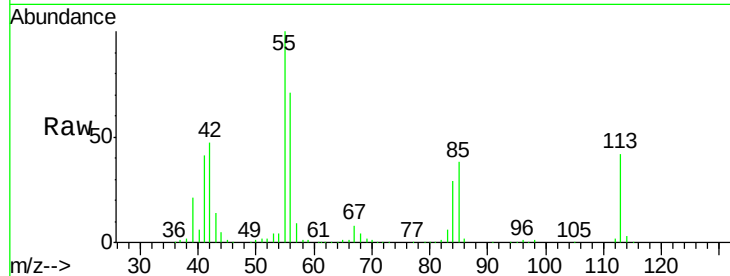




#35
 Caprolactam
 Concen: 29.29 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. 0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

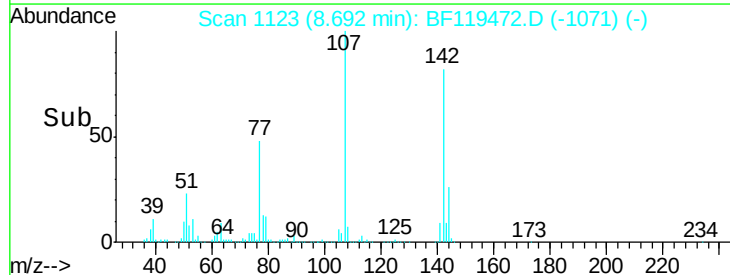
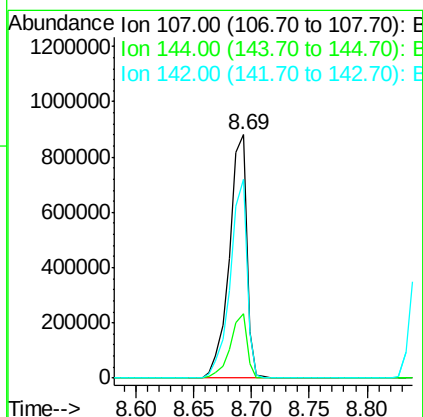
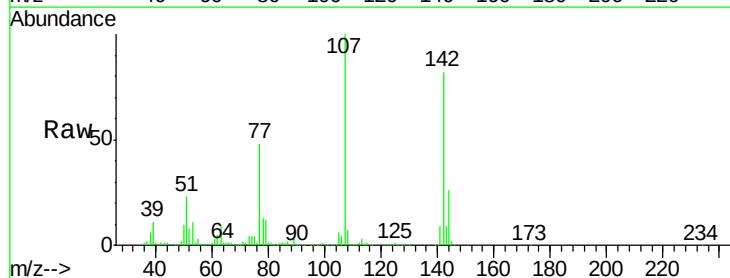
Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

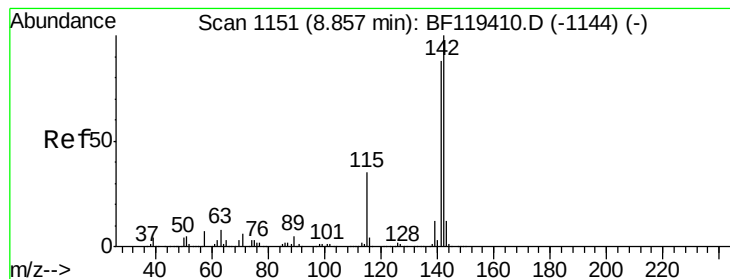
Tgt Ion:113 Resp: 172175
 Ion Ratio Lower Upper
 113 100
 55 236.6 208.4 248.4
 56 167.1 138.9 178.9



#36
 4-Chloro-3-methylphenol
 Concen: 47.29 ng
 RT: 8.69 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion:107 Resp: 928232
 Ion Ratio Lower Upper
 107 100
 144 26.4 20.6 31.0
 142 81.7 63.8 95.6





#37

2-Methylnaphthalene

Concen: 46.49 ng

RT: 8.86 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

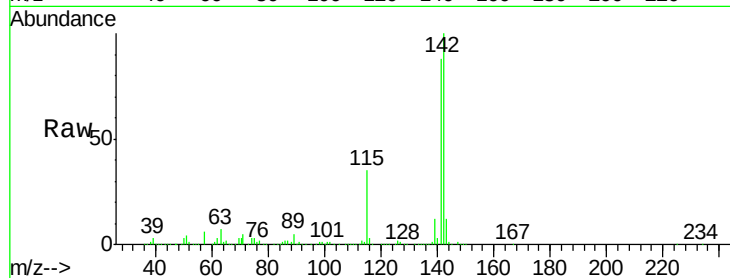
Tgt Ion:142 Resp: 1917030

Ion Ratio Lower Upper

142 100

141 88.3 70.4 105.6

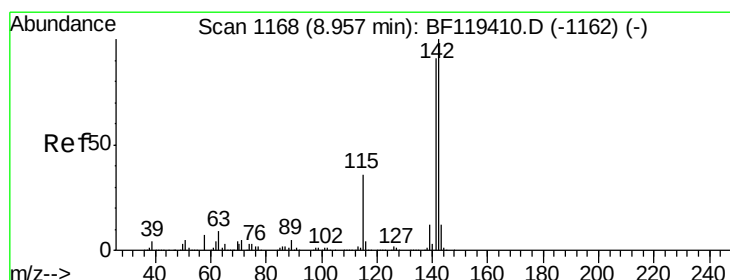
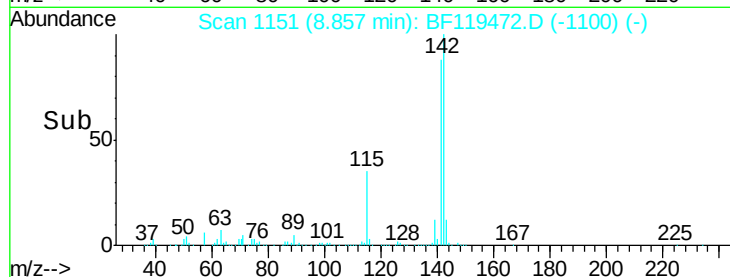
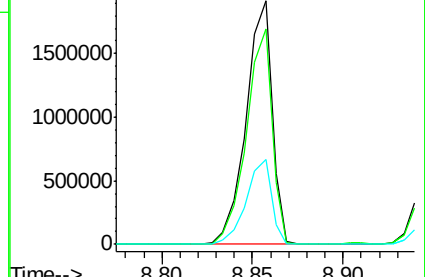
115 34.7 27.8 41.6



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: 46.26 ng

RT: 8.96 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

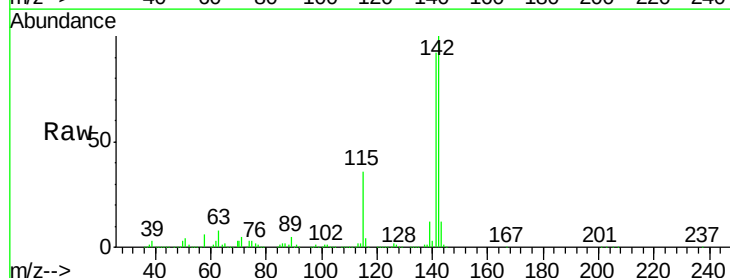
Tgt Ion:142 Resp: 1805613

Ion Ratio Lower Upper

142 100

141 91.9 73.1 109.7

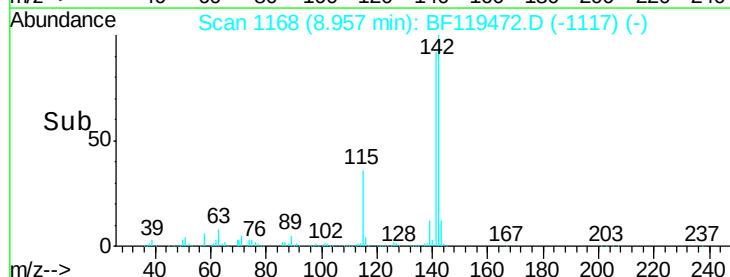
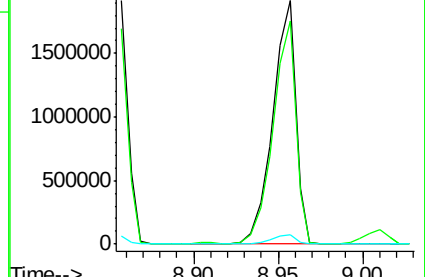
116 3.7 3.0 4.6

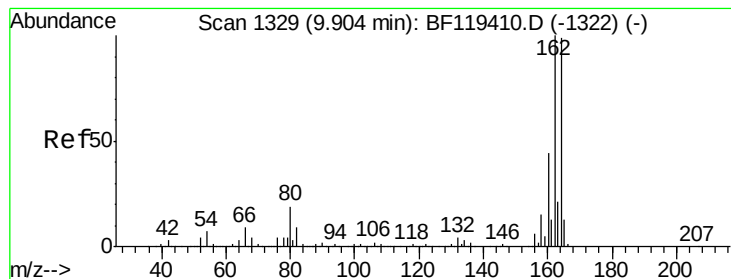


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_F

ClientSampleId :

PB127713BS

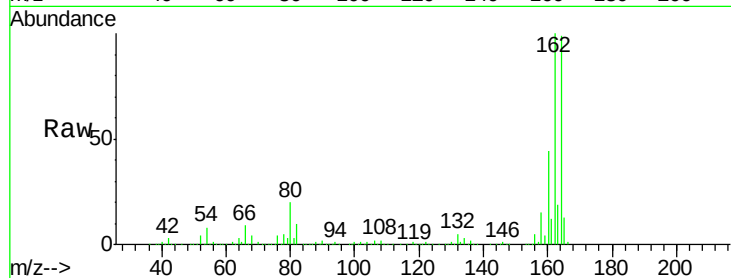
Tgt Ion:164 Resp: 638706

Ion Ratio Lower Upper

164 100

162 101.3 80.7 121.1

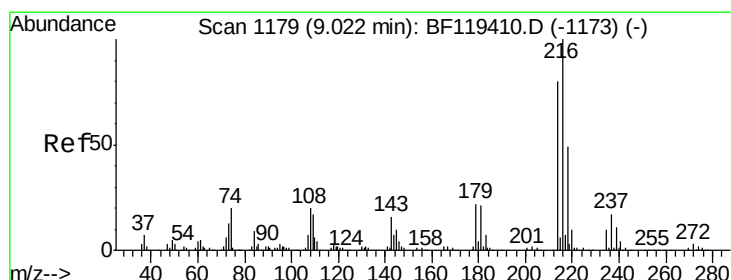
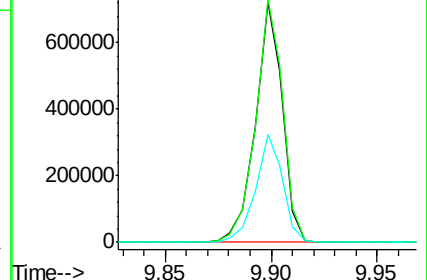
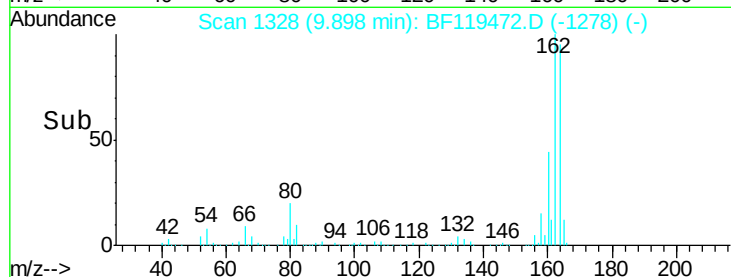
160 44.8 35.5 53.3



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: 43.45 ng

RT: 9.02 min Scan# 1179

Delta R.T. 0.00 min

Lab File: BF119472.D

Acq: 20 Mar 2020 15:13

Tgt Ion:216 Resp: 813385

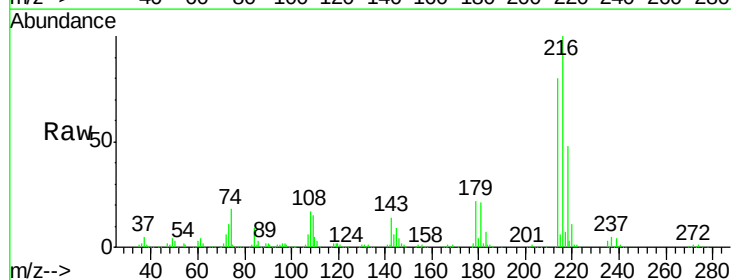
Ion Ratio Lower Upper

216 100

214 79.9 63.0 94.6

179 21.8 17.0 25.4

108 20.3 15.4 23.0

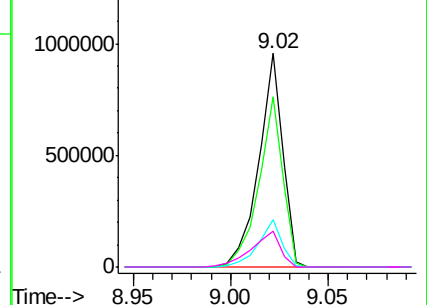
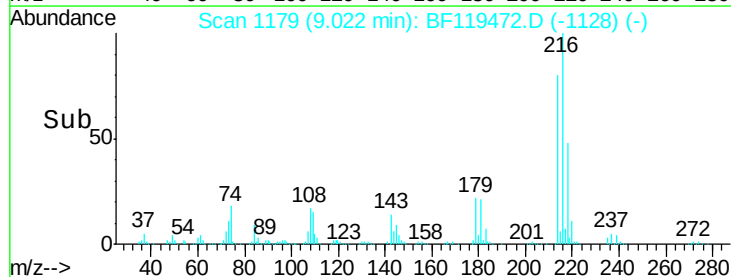


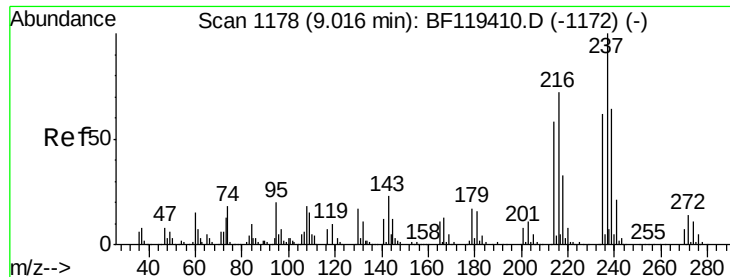
Abundance Ion 216.00 (215.70 to 216.70): E

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

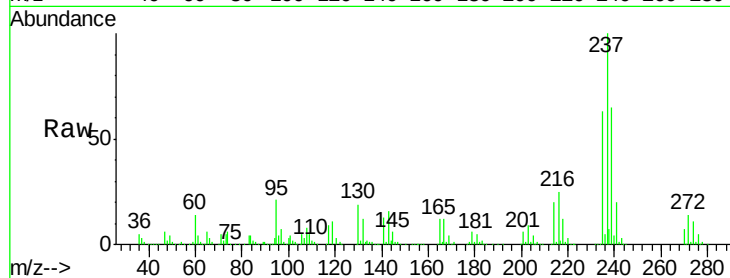




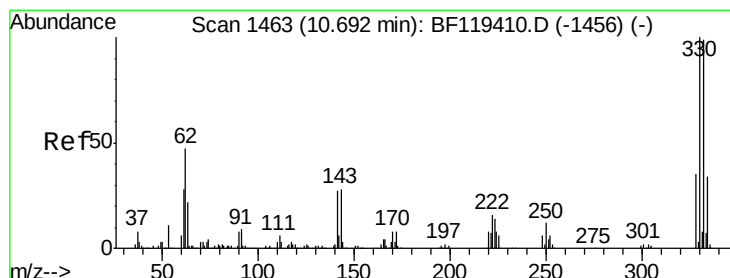
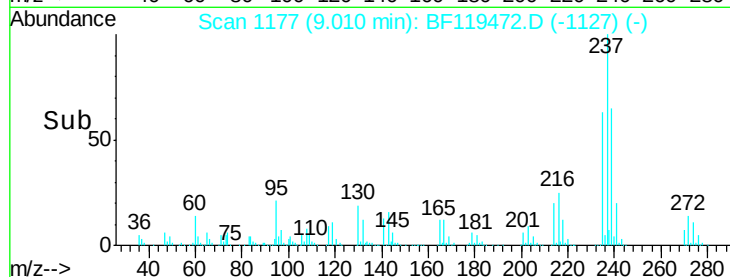
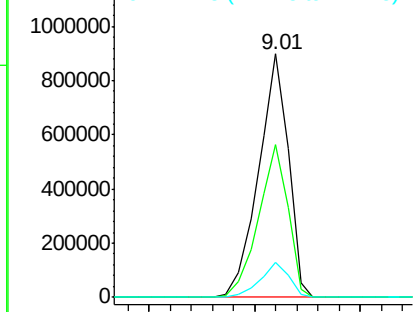
#41
Hexachlorocyclopentadiene
Concen: 82.58 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_F
ClientSampleId :
PB127713BS

Tgt Ion: 237 Resp: 878930
Ion Ratio Lower Upper
237 100
235 62.8 42.5 82.5
272 14.2 0.0 34.3

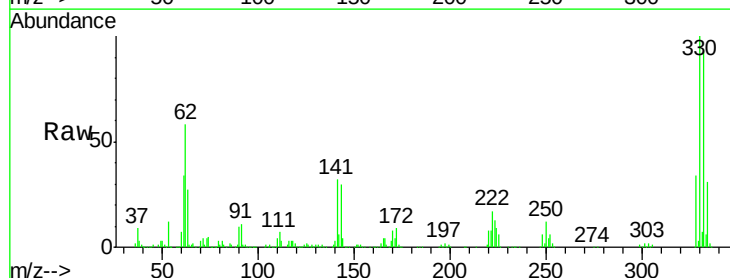


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

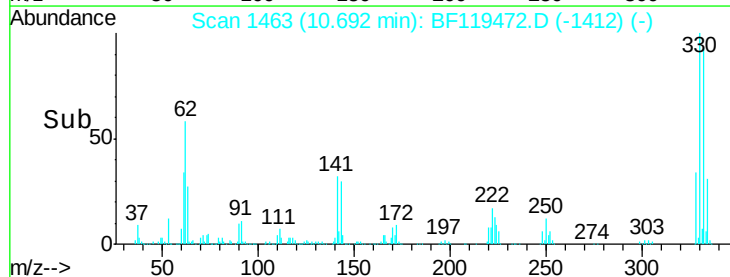
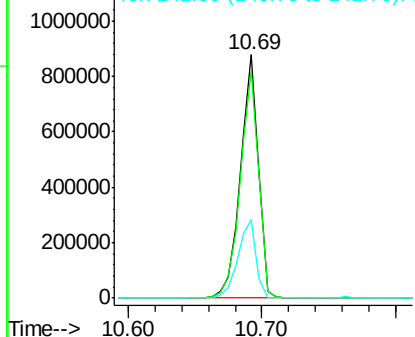


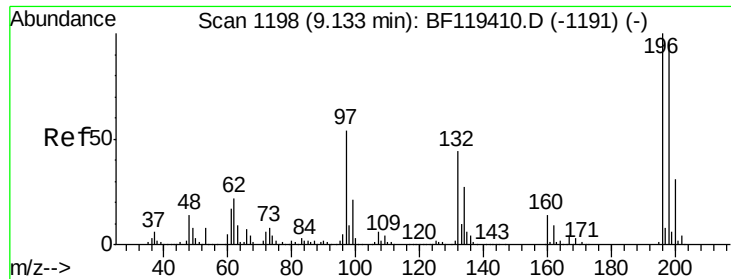
#42
2,4,6-Tribromophenol
Concen: 125.38 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Tgt Ion: 330 Resp: 826163
Ion Ratio Lower Upper
330 100
332 95.4 77.6 116.4
141 32.3 26.6 40.0



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

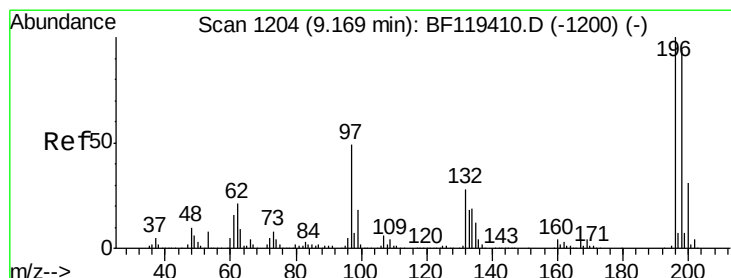
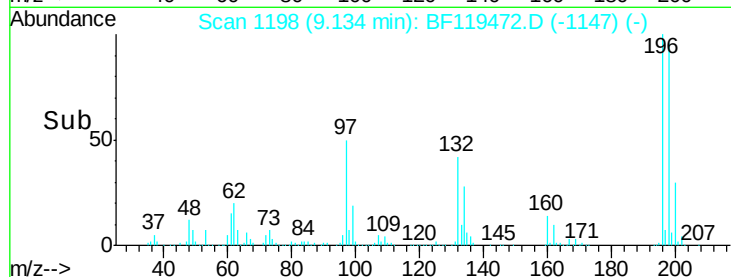
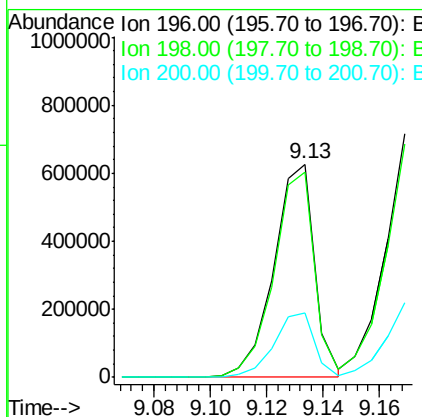
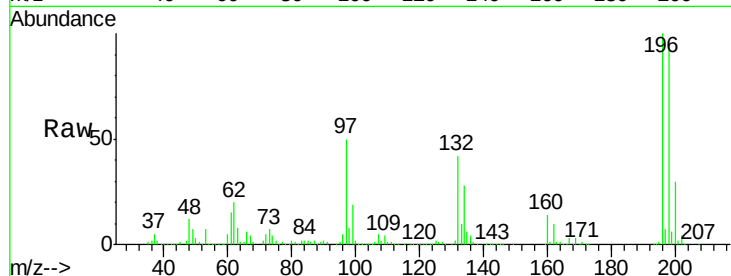




#43
 2,4,6-Trichlorophenol
 Concen: 46.76 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

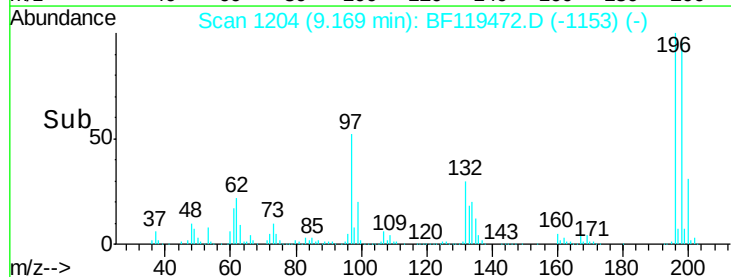
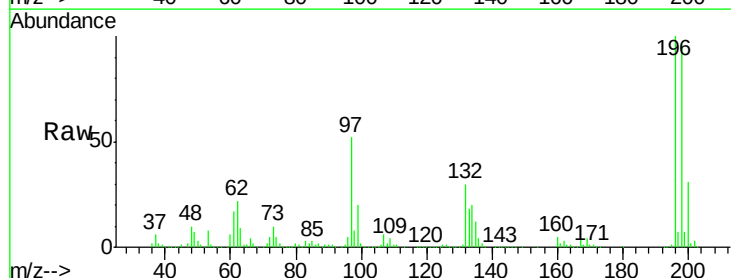
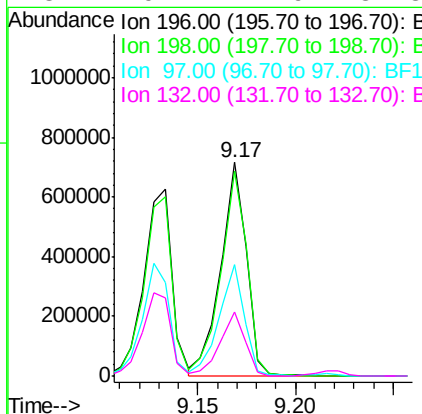
Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

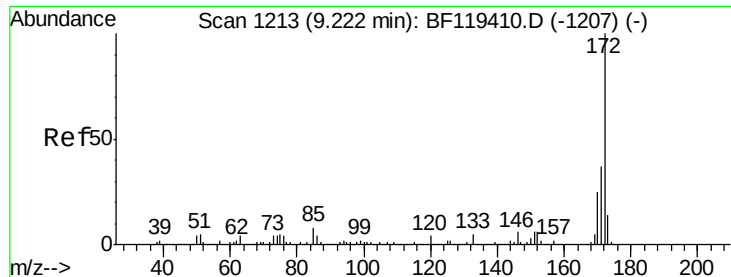
Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.0	115.4
200	30.3	25.1	37.7



#44
 2,4,5-Trichlorophenol
 Concen: 43.67 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.3	112.9
97	51.9	39.0	58.4
132	29.7	22.9	34.3

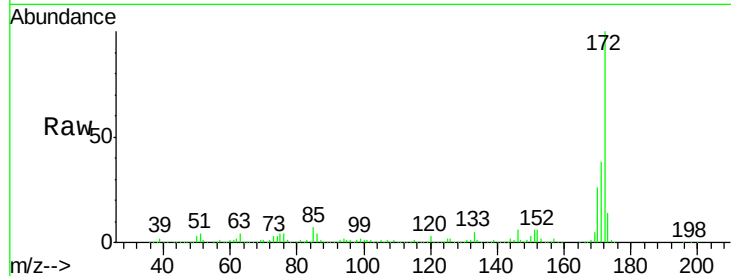




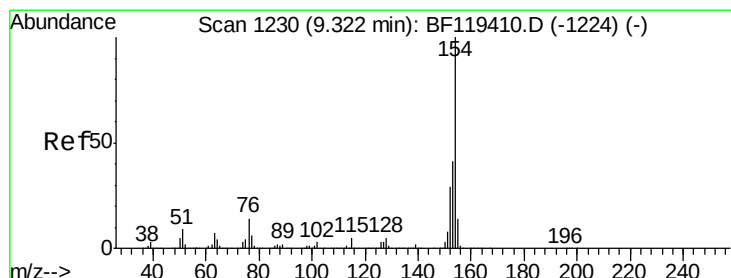
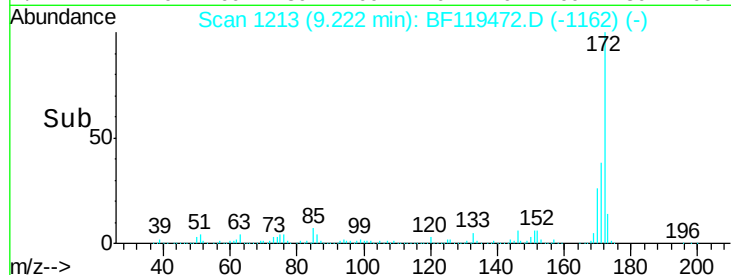
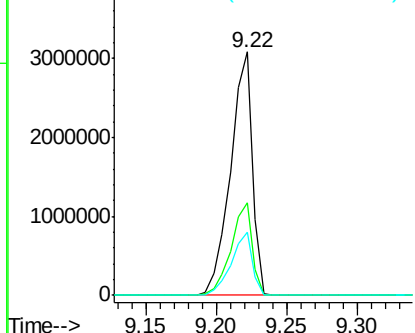
#45
2-Fluorobiphenyl
Concen: 76.52 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_F
ClientSampleId :
PB127713BS

Tgt Ion:172 Resp: 3299049
Ion Ratio Lower Upper
172 100
171 38.2 29.9 44.9
170 26.0 20.1 30.1

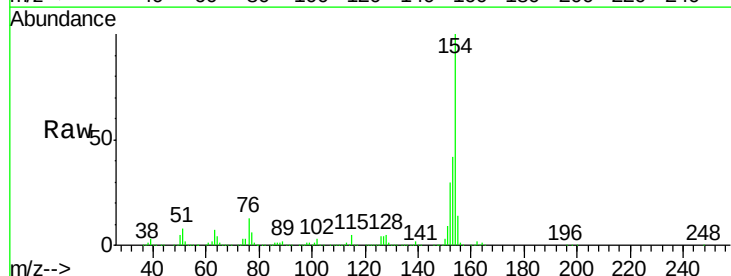


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

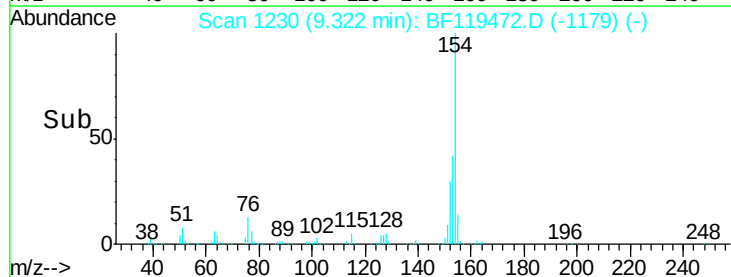
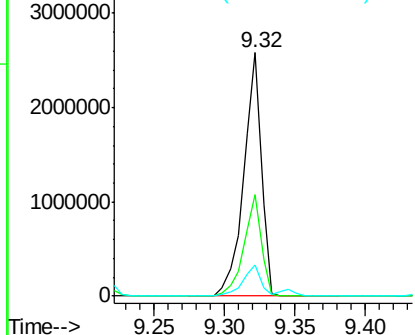


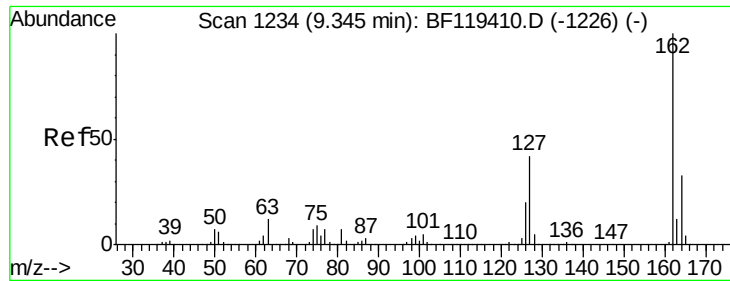
#46
1,1'-Biphenyl
Concen: 43.01 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF119472.D
Acq: 20 Mar 2020 15:13

Tgt Ion:154 Resp: 2237352
Ion Ratio Lower Upper
154 100
153 41.9 21.4 61.4
76 13.0 0.0 33.6



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

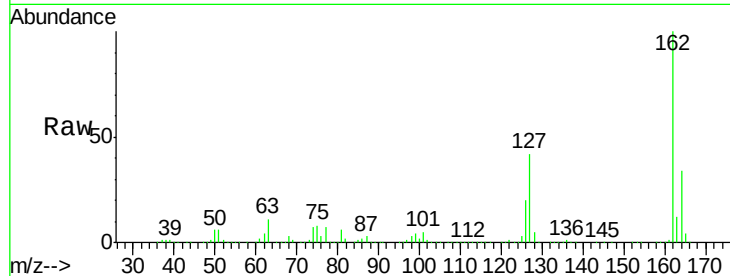




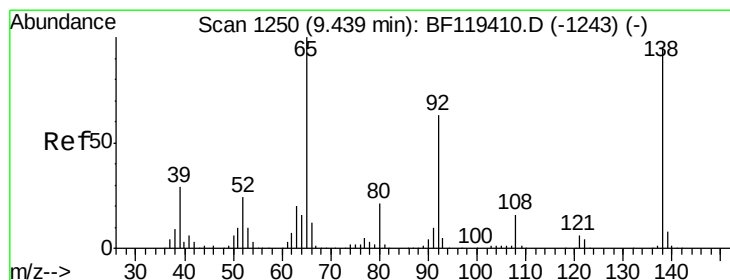
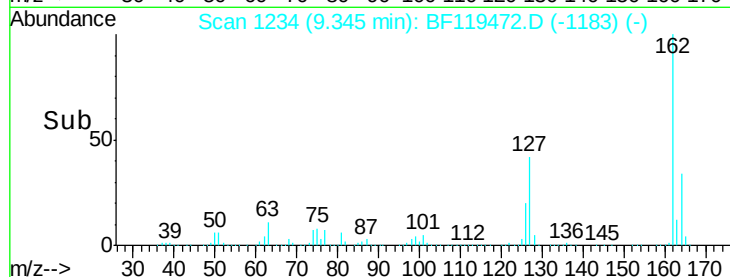
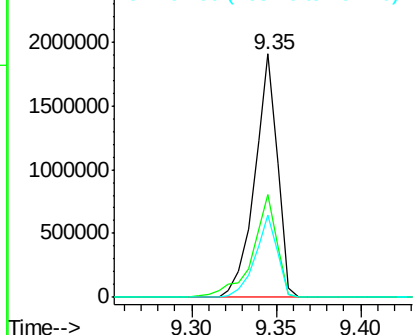
#47
 2-Chloronaphthalene
 Concen: 43.79 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 PB127713BS

Tgt Ion: 162 Resp: 1784230
 Ion Ratio Lower Upper
 162 100
 127 42.1 33.7 50.5
 164 33.6 26.2 39.4

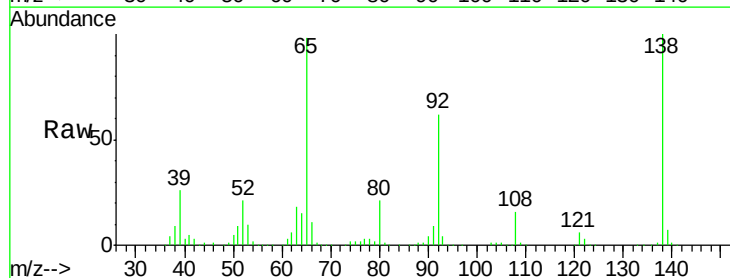


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E



#48
 2-Nitroaniline
 Concen: 48.32 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF119472.D
 Acq: 20 Mar 2020 15:13

Tgt Ion: 65 Resp: 679573
 Ion Ratio Lower Upper
 65 100
 92 63.6 50.5 75.7
 138 102.3 75.8 113.8



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

