

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112219\
 Data File : BF117925.D
 Acq On : 22 Nov 2019 18:32
 Operator : JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 22 22:19:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	214751	20.00	ng	-0.02
21) Naphthalene-d8	8.20	136	827041	20.00	ng	-0.02
39) Acenaphthene-d10	9.96	164	437625	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	958342	20.00	ng	-0.02
76) Chrysene-d12	14.10	240	678863	20.00	ng	-0.01
87) Perylene-d12	15.60	264	642479	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	909130	74.94	ng	-0.02
7) Phenol-d6	6.53	99	1122568	76.71	ng	-0.01
23) Nitrobenzene-d5	7.47	82	1119717	80.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	390383	84.26	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	2086693	85.54	ng	-0.02
79) Terphenyl-d14	13.04	244	2595594	69.88	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	285243	50.299	ng	97
3) Pyridine	3.46	79	621402	41.772	ng	97
4) n-Nitrosodimethylamine	3.41	42	269167	41.451	ng	97
6) Aniline	6.57	93	754690	39.028	ng	99
8) 2-Chlorophenol	6.69	128	519648	39.474	ng	98
9) Benzaldehyde	6.46	77	345288	35.233	ng	98
10) Phenol	6.55	94	641502	42.187	ng	99
11) bis(2-Chloroethyl)ether	6.64	93	475549	38.944	ng	98
12) 1,3-Dichlorobenzene	6.85	146	624542	40.297	ng	97
13) 1,4-Dichlorobenzene	6.92	146	631011	40.280	ng	98
14) 1,2-Dichlorobenzene	7.08	146	592469	39.544	ng	99
15) Benzyl Alcohol	7.05	79	468864	41.501	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.18	45	669653	35.619	ng	98
17) 2-Methylphenol	7.16	107	437083	39.206	ng	100
18) Hexachloroethane	7.42	117	229034	39.798	ng	93
19) n-Nitroso-di-n-propylamine	7.32	70	364855	40.416	ng	98
20) 3+4-Methylphenols	7.31	107	536037	38.735	ng	# 88
22) Acetophenone	7.32	105	739504	39.799	ng	# 95
24) Nitrobenzene	7.49	77	561123	39.096	ng	99
25) Isophorone	7.73	82	979107	38.397	ng	99
26) 2-Nitrophenol	7.81	139	294502	42.157	ng	99
27) 2,4-Dimethylphenol	7.84	122	400201	36.867	ng	98
28) bis(2-Chloroethoxy)methane	7.94	93	623213	38.514	ng	99
29) 2,4-Dichlorophenol	8.05	162	457278	38.836	ng	97
30) 1,2,4-Trichlorobenzene	8.13	180	534940	39.167	ng	100
31) Naphthalene	8.22	128	1554299	40.313	ng	99
32) Benzoic acid	7.97	122	372183	40.948	ng	97
33) 4-Chloroaniline	8.26	127	666588	38.619	ng	99
34) Hexachlorobutadiene	8.33	225	326429	40.879	ng	99
35) Caprolactam	8.65	113	144361	38.577	ng	90
36) 4-Chloro-3-methylphenol	8.75	107	475298	39.775	ng	98
37) 2-Methylnaphthalene	8.91	142	1053494	40.440	ng	100
38) 1-Methylnaphthalene	9.01	142	997946	40.520	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.08	216	497606	39.154	ng	99

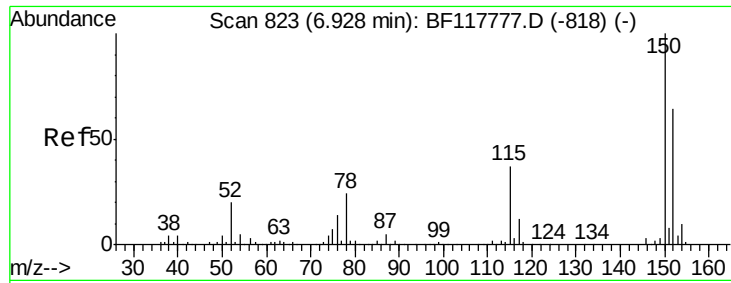
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.06	237	280944	39.446	ng	98
43) 2,4,6-Trichlorophenol	9.19	196	348228	38.254	ng	98
44) 2,4,5-Trichlorophenol	9.23	196	357316	37.806	ng	98
46) 1,1'-Biphenyl	9.38	154	1287641	39.659	ng	98
47) 2-Chloronaphthalene	9.40	162	1041266	38.985	ng	99
48) 2-Nitroaniline	9.50	65	316379	39.235	ng	91
49) Acenaphthylene	9.82	152	1546400	39.711	ng	100
50) Dimethylphthalate	9.68	163	1204074	39.236	ng	99
51) 2,6-Dinitrotoluene	9.74	165	266317	39.707	ng	95
52) Acenaphthene	9.99	154	1019398	40.865	ng	99
53) 3-Nitroaniline	9.91	138	317220	39.527	ng	100
54) 2,4-Dinitrophenol	10.02	184	142467	44.832	ng	99
55) Dibenzofuran	10.16	168	1376724	39.855	ng	98
56) 4-Nitrophenol	10.06	139	234459	39.139	ng	94
57) 2,4-Dinitrotoluene	10.15	165	359194	42.101	ng	94
58) Fluorene	10.51	166	1064196	39.755	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.28	232	301956	38.883	ng	97
60) Diethylphthalate	10.38	149	1206868	40.338	ng	98
61) 4-Chlorophenyl-phenylether	10.50	204	550328	40.511	ng	95
62) 4-Nitroaniline	10.53	138	323692	40.283	ng	98
63) Azobenzene	10.66	77	1090958	40.080	ng	94
65) 4,6-Dinitro-2-methylphenol	10.56	198	180718	40.394	ng	98
66) n-Nitrosodiphenylamine	10.62	169	959549	34.404	ng	100
67) 4-Bromophenyl-phenylether	10.99	248	399923	38.676	ng	98
68) Hexachlorobenzene	11.06	284	470649	39.034	ng	# 91
69) Atrazine	11.15	200	336239	36.649	ng	98
70) Pentachlorophenol	11.25	266	279898	39.734	ng	99
71) Phenanthrene	11.47	178	1818950	37.751	ng	100
72) Anthracene	11.53	178	1854601	38.822	ng	99
73) Carbazole	11.68	167	1638197	39.242	ng	100
74) Di-n-butylphthalate	12.01	149	2073606	39.895	ng	100
75) Fluoranthene	12.67	202	1850251	41.601	ng	98
77) Benzidine	12.79	184	794455	35.727	ng	99
78) Pyrene	12.90	202	1887693	34.408	ng	100
80) Butylbenzylphthalate	13.52	149	871468	36.984	ng	99
81) Benzo(a)anthracene	14.09	228	1706843	38.048	ng	99
82) 3,3'-Dichlorobenzidine	14.05	252	614997	39.192	ng	98
83) Chrysene	14.13	228	1614379	37.138	ng	99
84) Bis(2-ethylhexyl)phthalate	14.07	149	1196892	41.897	ng	99
85) Di-n-octyl phthalate	14.69	149	1939402	46.211	ng	99
86) Indeno(1,2,3-cd)pyrene	17.13	276	1306809	35.322	ng	100
88) Benzo(b)fluoranthene	15.16	252	1586916	38.017	ng	98
89) Benzo(k)fluoranthene	15.19	252	1447073	36.793	ng	98
90) Benzo(a)pyrene	15.54	252	1389973	37.868	ng	100
91) Dibenzo(a,h)anthracene	17.15	278	1089420	34.483	ng	100
92) Benzo(g,h,i)perylene	17.60	276	1004761	31.930	ng	99

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

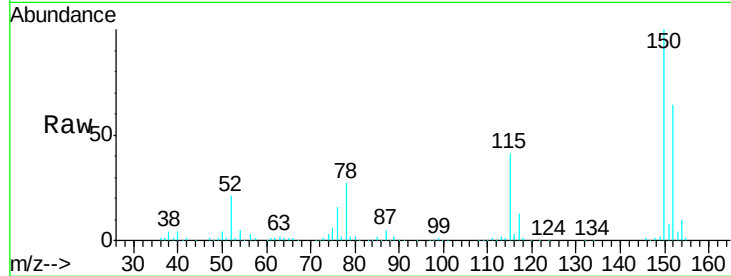


#1

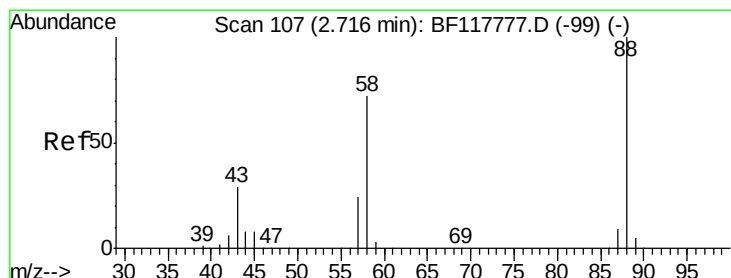
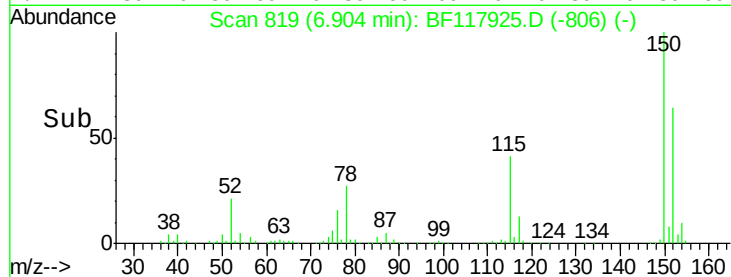
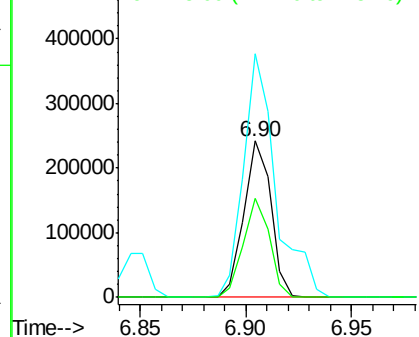
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 152 Resp: 214751
Ion Ratio Lower Upper
152 100
150 155.8 125.3 187.9
115 63.3 47.0 70.4



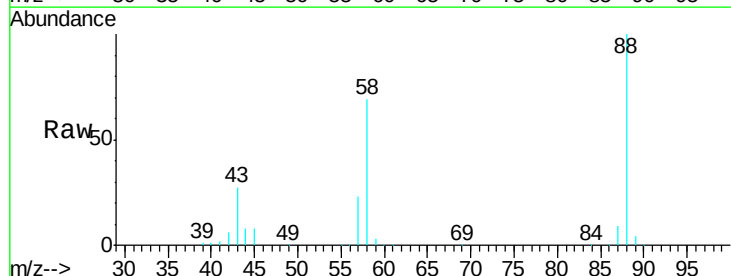
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



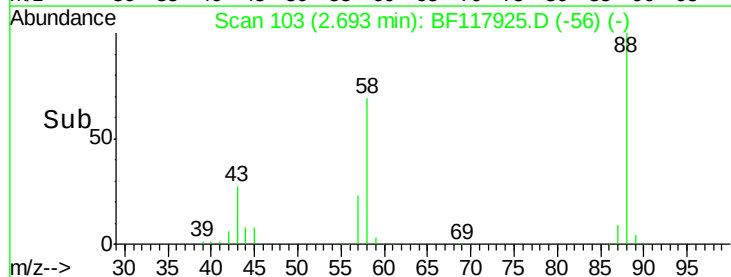
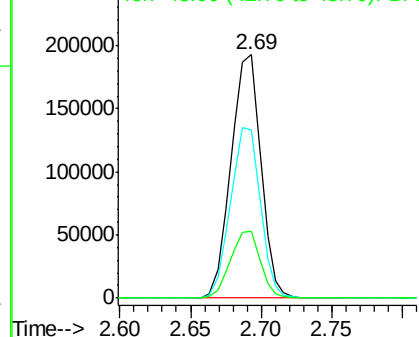
#2

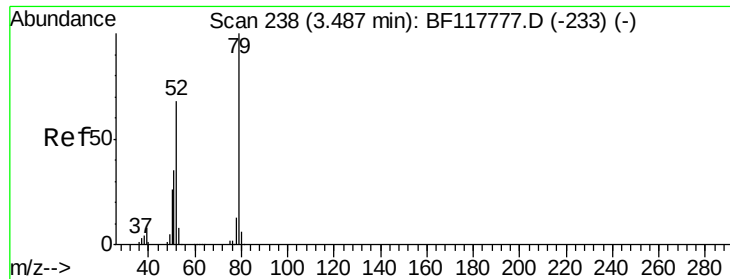
1,4-Dioxane
Concen: 50.299 ng
RT: 2.69 min Scan# 103
Delta R.T. -0.02 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Tgt Ion: 88 Resp: 285243
Ion Ratio Lower Upper
88 100
58 69.9 58.2 87.2
43 27.6 23.3 34.9



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: 41.772 ng

RT: 3.46 min Scan# 233

Delta R.T. -0.03 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

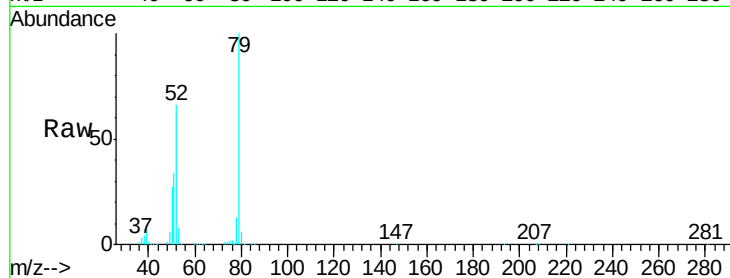
Tgt Ion: 79 Resp: 621402

Ion Ratio Lower Upper

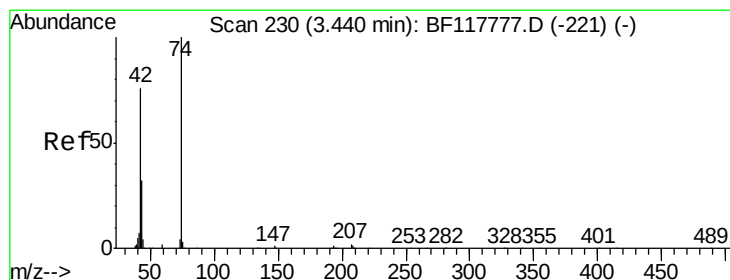
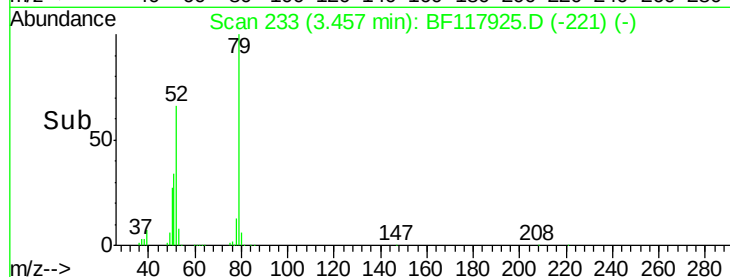
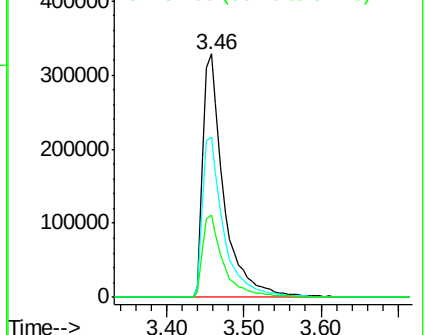
79 100

52 66.1 54.8 82.2

51 33.8 28.2 42.4



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.451 ng

RT: 3.41 min Scan# 225

Delta R.T. -0.03 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

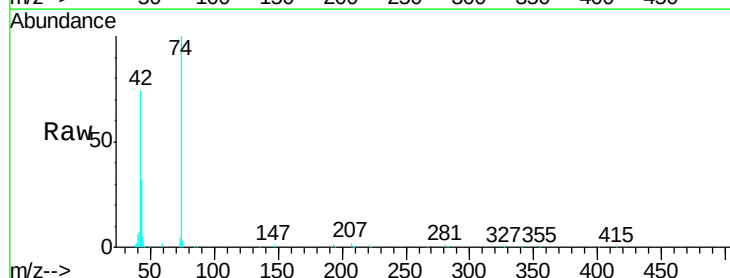
Tgt Ion: 42 Resp: 269167

Ion Ratio Lower Upper

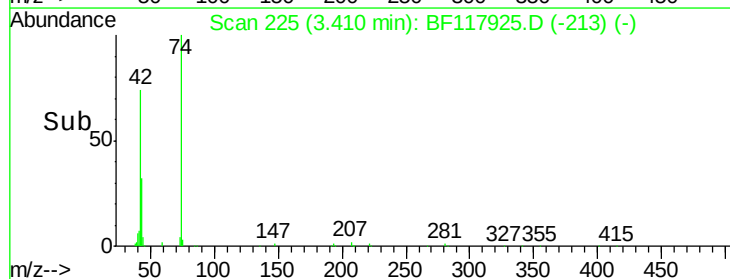
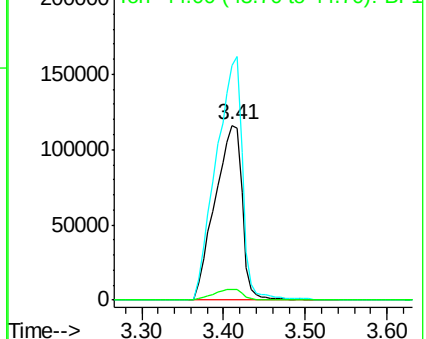
42 100

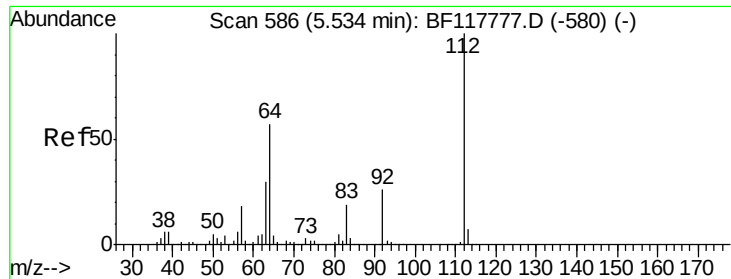
74 134.4 105.1 157.7

44 6.1 4.6 7.0



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: 74.936 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

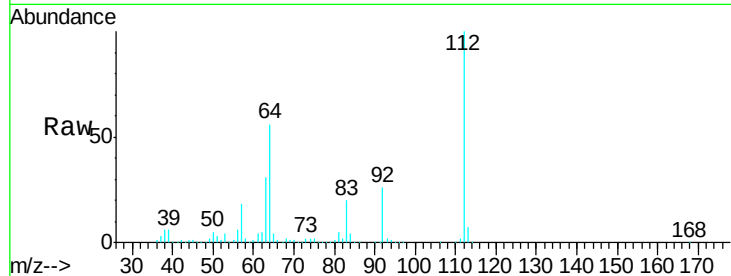
Tgt Ion: 112 Resp: 909130

Ion Ratio Lower Upper

112 100

64 55.6 45.6 68.4

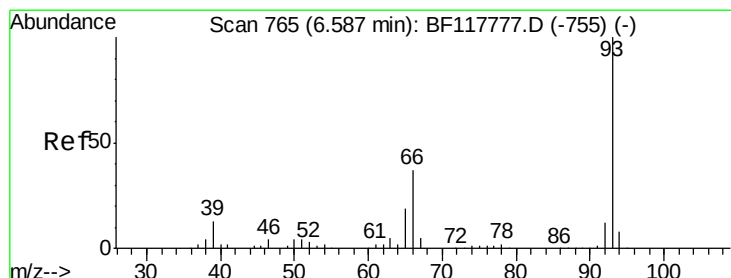
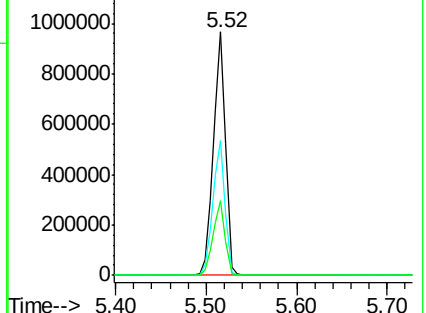
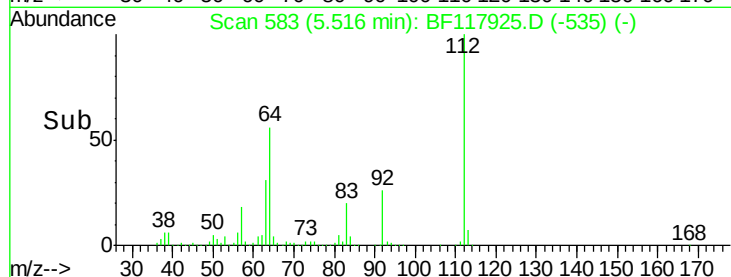
63 30.7 24.1 36.1



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: 39.028 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

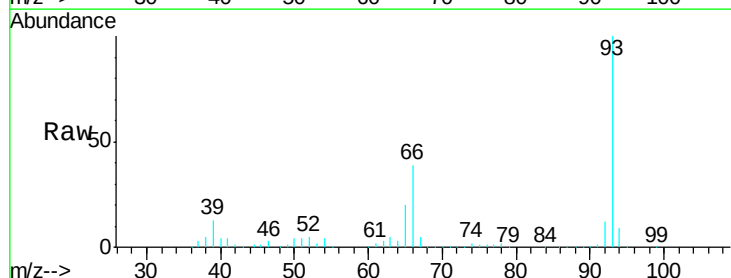
Tgt Ion: 93 Resp: 754690

Ion Ratio Lower Upper

93 100

66 38.8 30.6 45.8

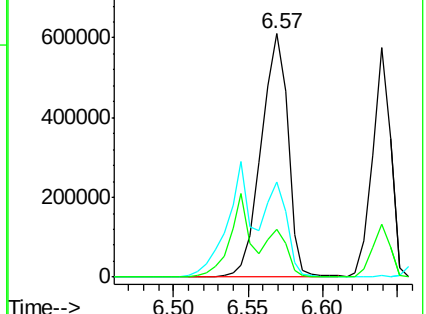
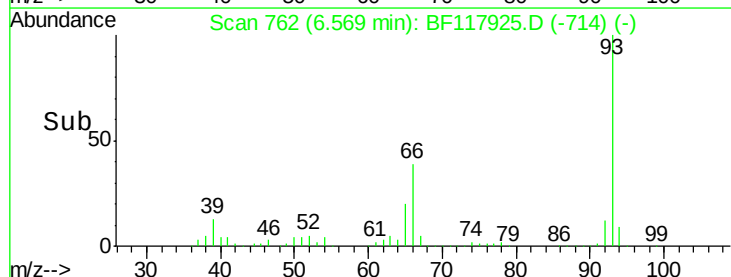
65 19.5 15.6 23.4

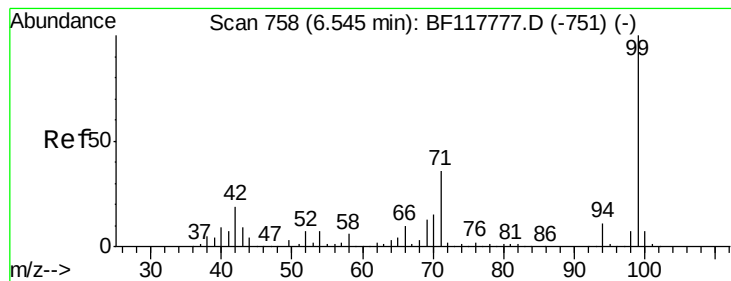


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 76.713 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

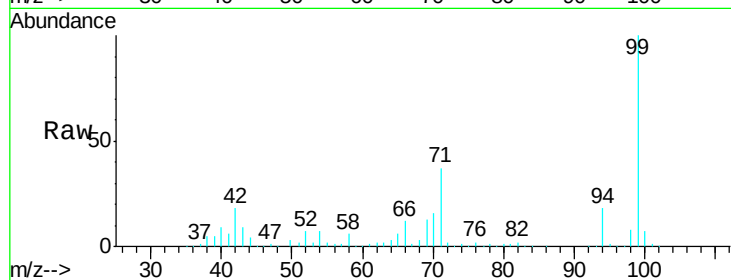
Tgt Ion: 99 Resp: 1122568

Ion Ratio Lower Upper

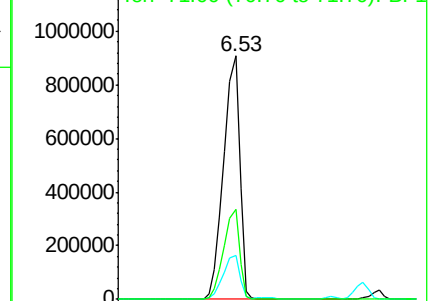
99 100

42 18.0 14.9 22.3

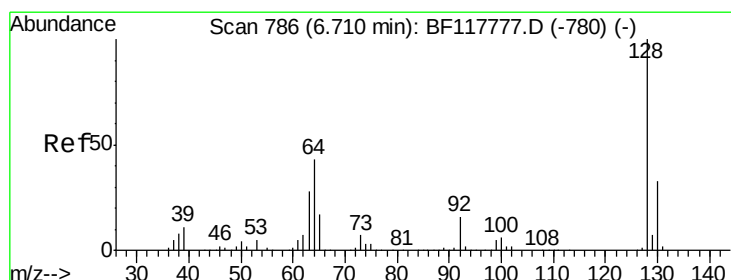
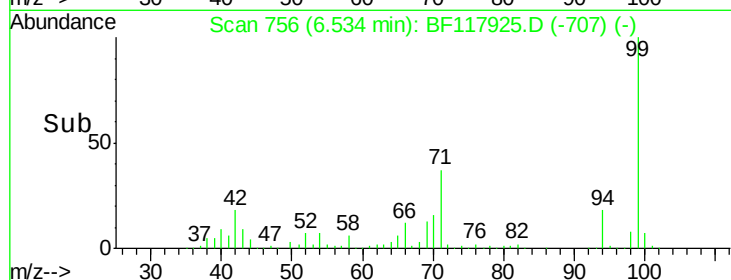
71 36.8 28.6 43.0



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



Time-->



#8

2-Chlorophenol

Concen: 39.474 ng

RT: 6.69 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

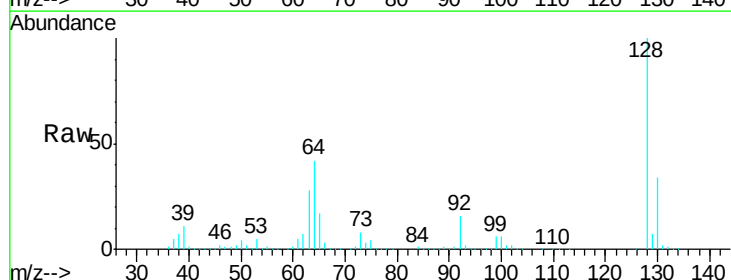
Tgt Ion: 128 Resp: 519648

Ion Ratio Lower Upper

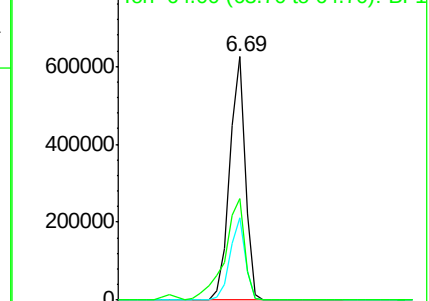
128 100

130 33.8 13.2 53.2

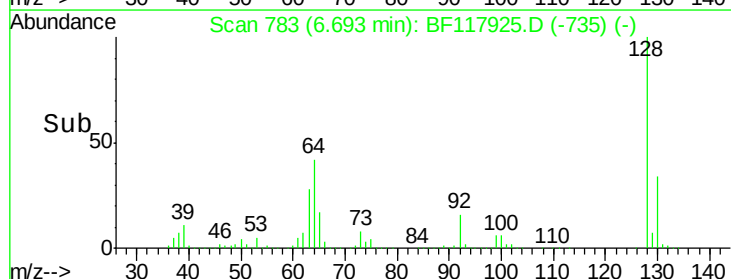
64 41.8 23.7 63.7

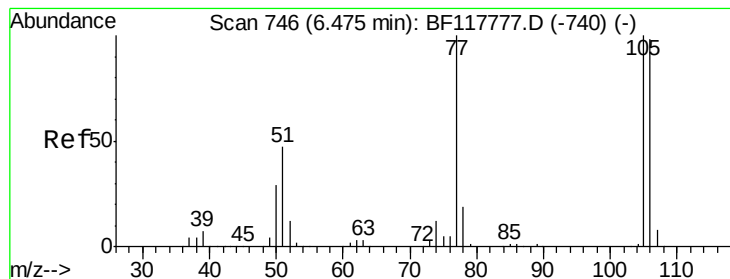


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1



Time-->





#9

Benzaldehyde

Concen: 35.233 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

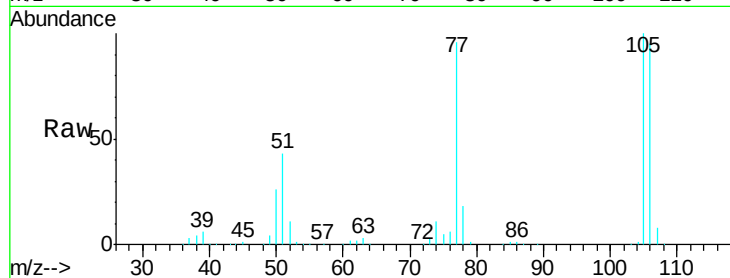
Tgt Ion: 77 Resp: 345288

Ion Ratio Lower Upper

77 100

105 104.2 80.2 120.2

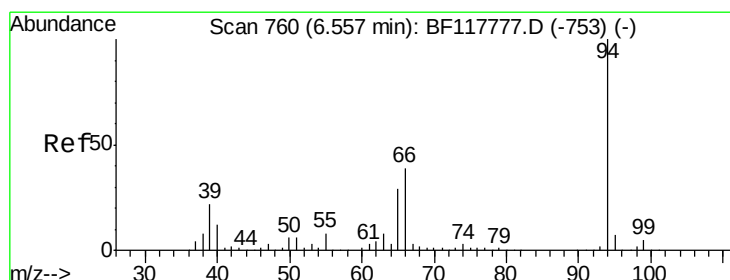
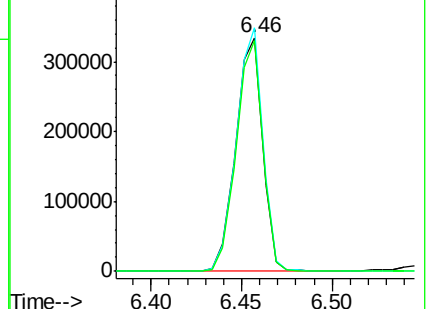
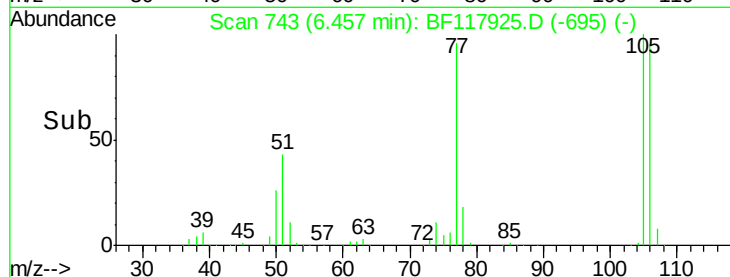
106 98.7 78.4 118.4



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: 42.187 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

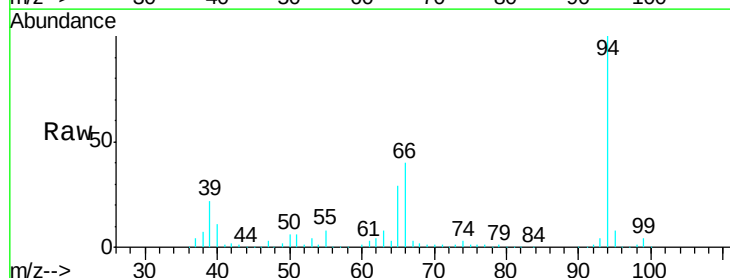
Tgt Ion: 94 Resp: 641502

Ion Ratio Lower Upper

94 100

65 28.9 8.9 48.9

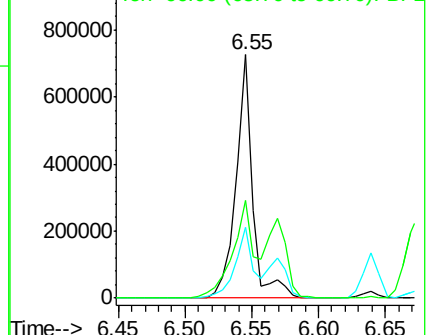
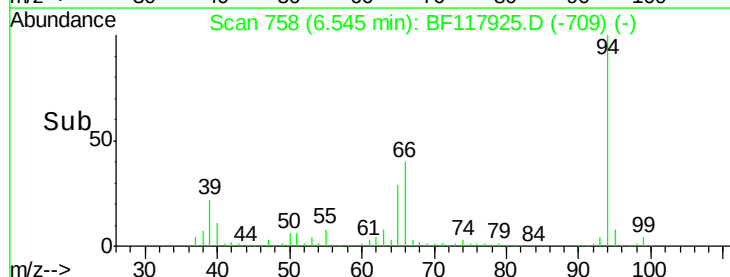
66 39.9 18.7 58.7

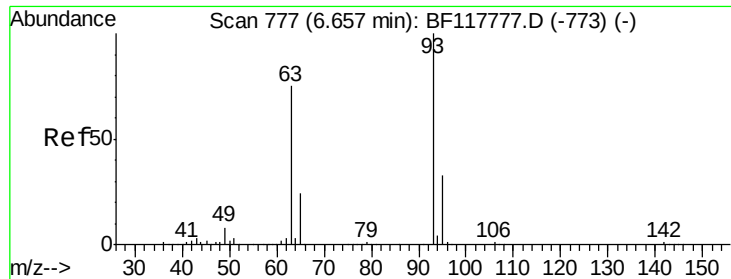


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

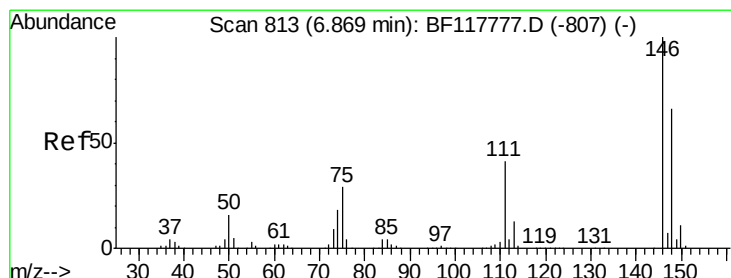
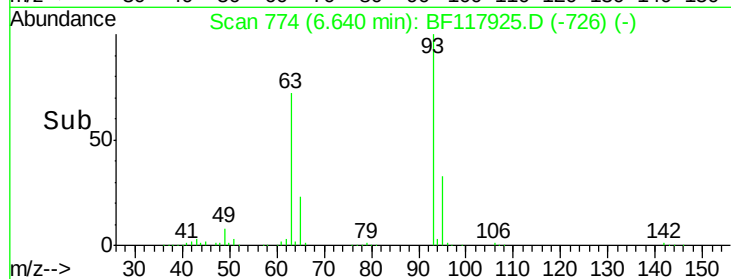
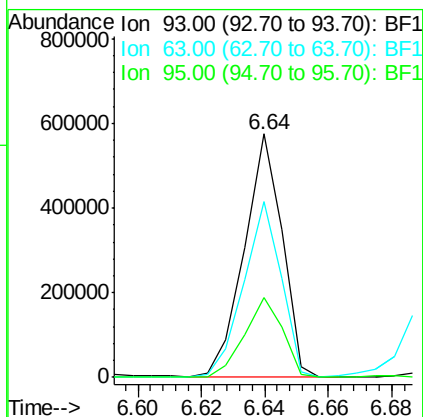
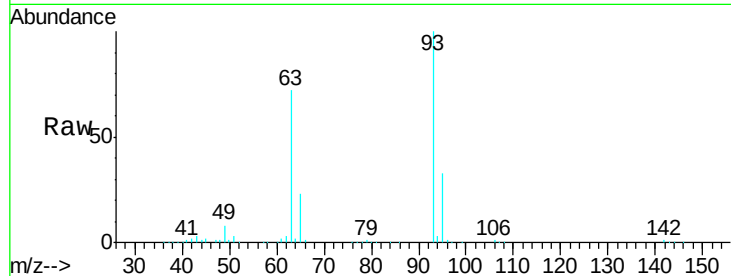




#11
bis(2-Chloroethyl)ether
Concen: 38.944 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.02 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

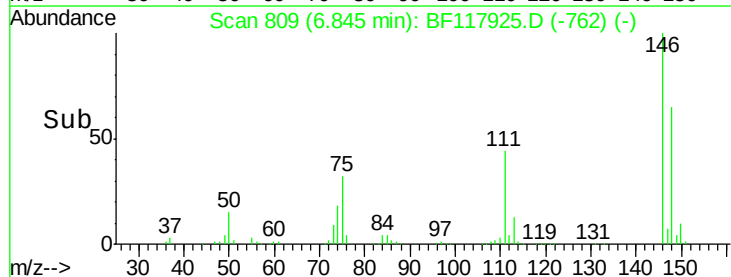
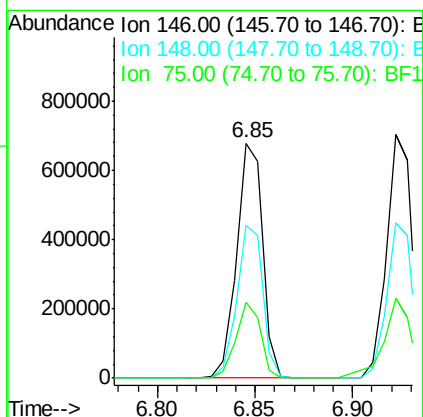
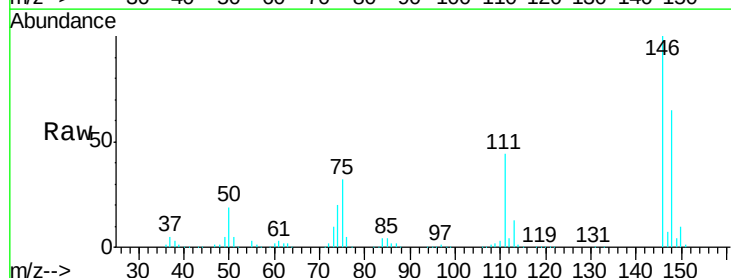
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

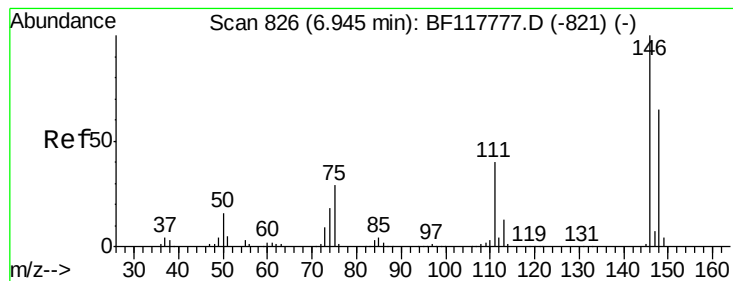
Tgt Ion: 93 Resp: 475549
Ion Ratio Lower Upper
93 100
63 72.1 54.8 94.8
95 32.7 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 40.297 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Tgt Ion: 146 Resp: 624542
Ion Ratio Lower Upper
146 100
148 64.9 52.8 79.2
75 32.5 23.4 35.0





#13

1,4-Dichlorobenzene

Concen: 40.280 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

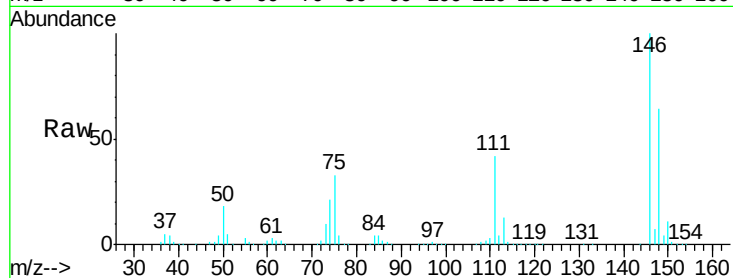
Tgt Ion:146 Resp: 631011

Ion Ratio Lower Upper

146 100

148 64.0 52.3 78.5

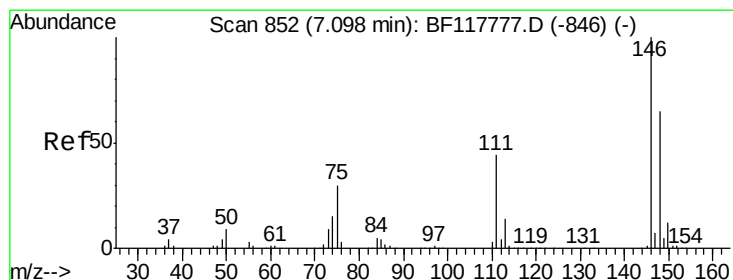
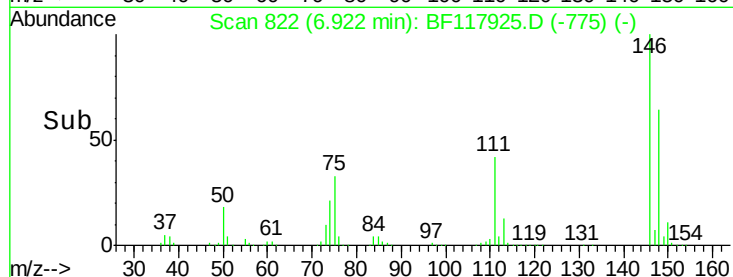
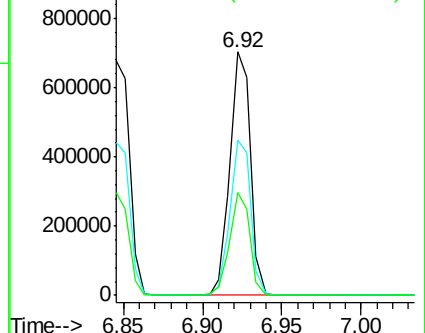
111 42.2 32.2 48.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.544 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

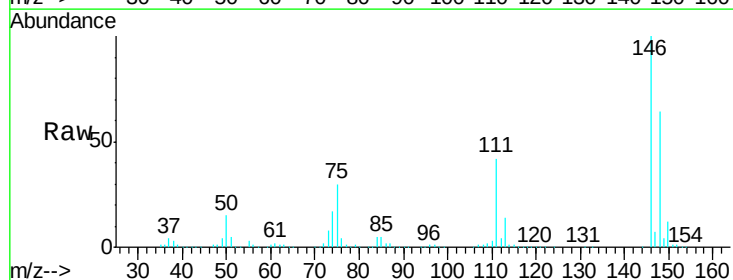
Tgt Ion:146 Resp: 592469

Ion Ratio Lower Upper

146 100

148 64.4 51.8 77.8

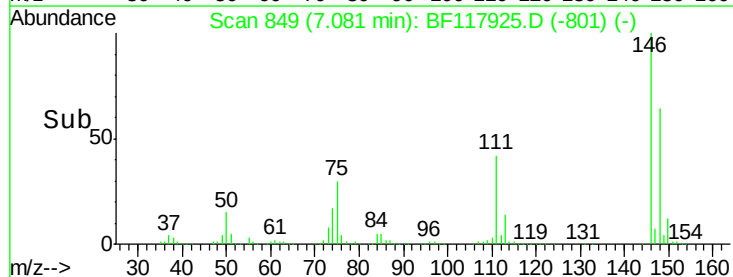
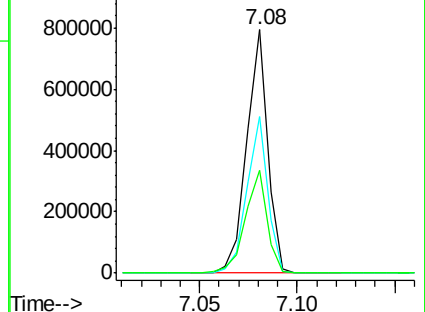
111 42.5 35.0 52.6

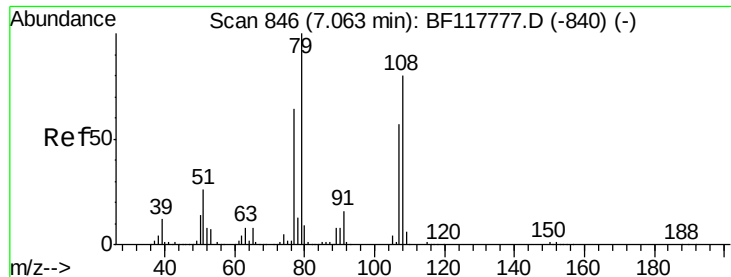


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 41.501 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

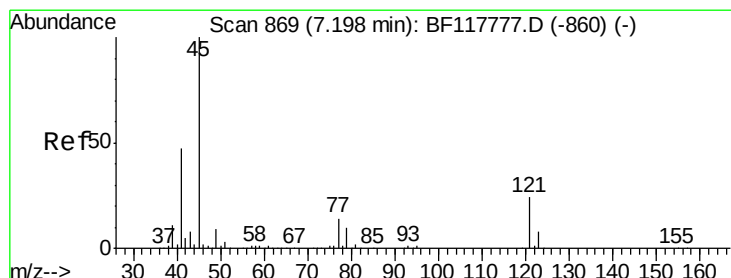
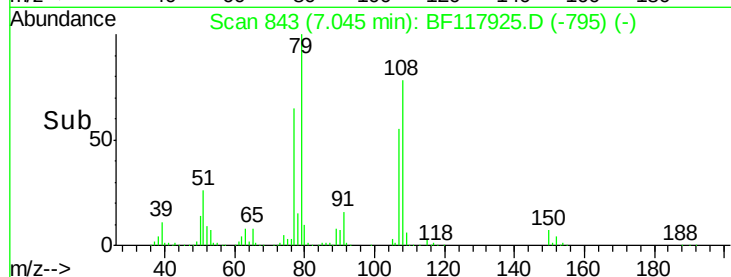
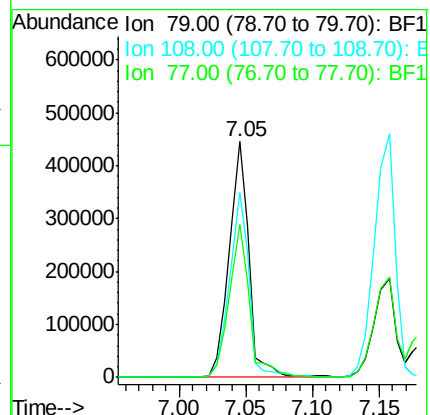
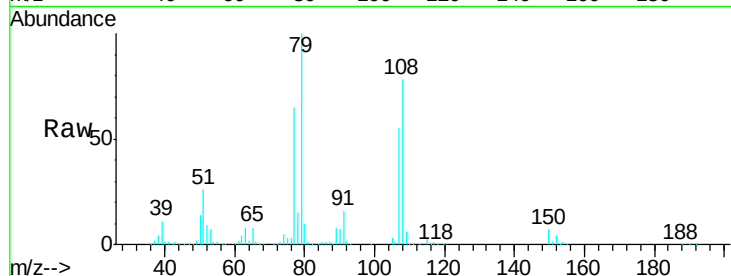
Tgt Ion: 79 Resp: 468864

Ion Ratio Lower Upper

79 100

108 78.5 64.1 96.1

77 64.6 51.3 76.9



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.619 ng

RT: 7.18 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

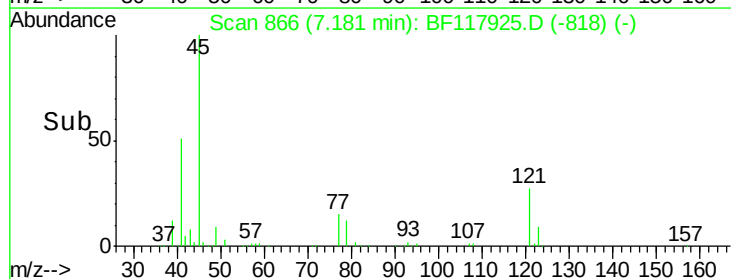
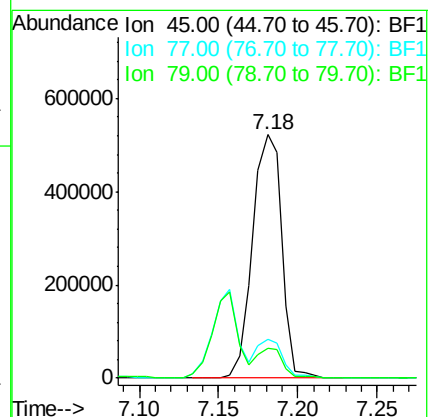
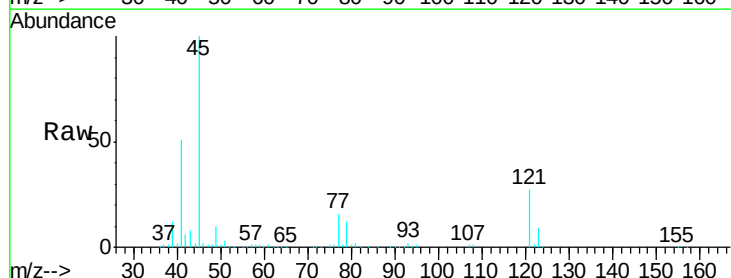
Tgt Ion: 45 Resp: 669653

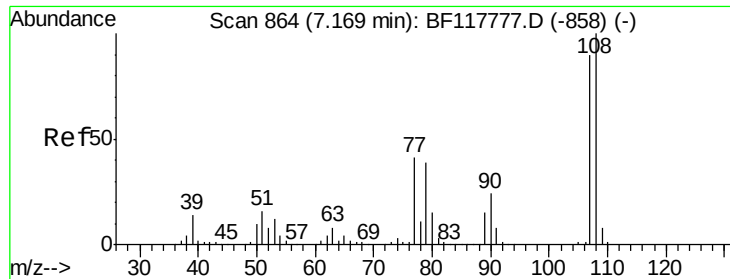
Ion Ratio Lower Upper

45 100

77 15.8 0.0 35.0

79 12.3 0.0 31.1

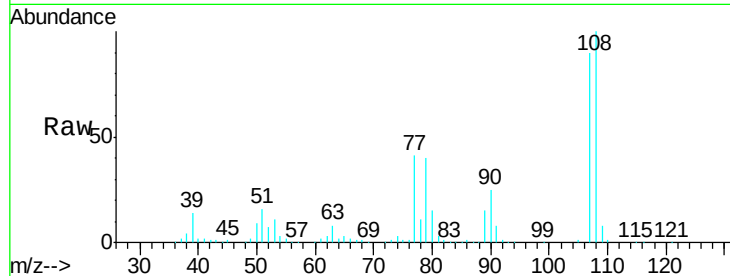




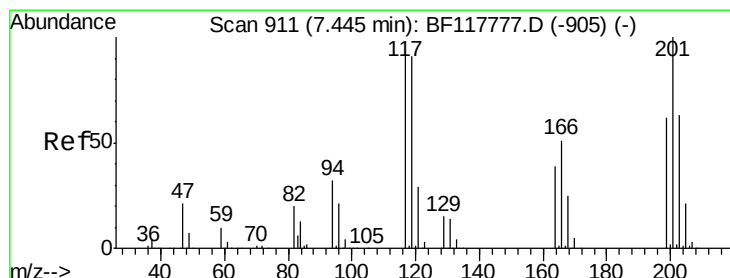
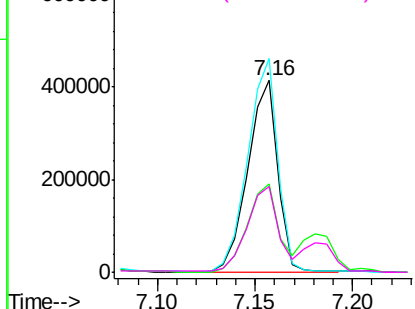
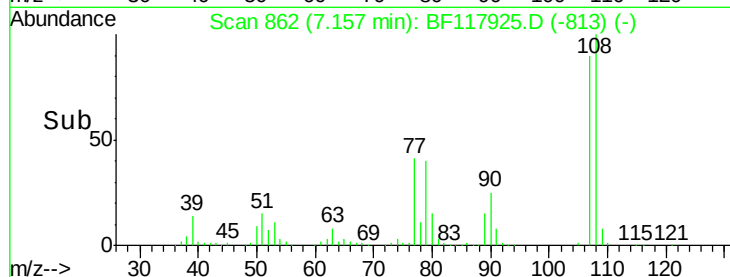
#17
2-Methylphenol
Concen: 39.206 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 437083
Ion Ratio Lower Upper
107 100
108 111.4 89.1 133.7
77 45.9 36.6 54.8
79 45.1 35.2 52.8

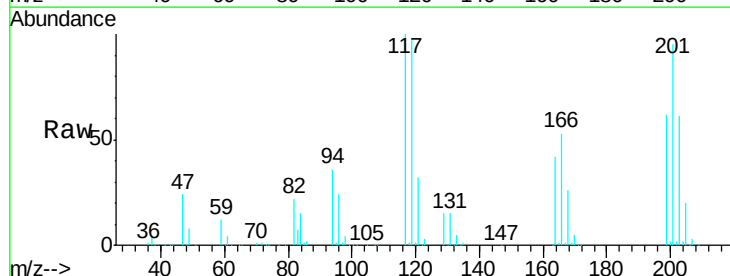


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

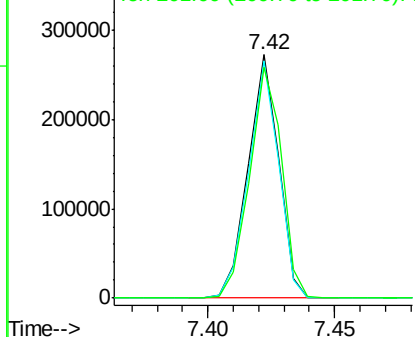
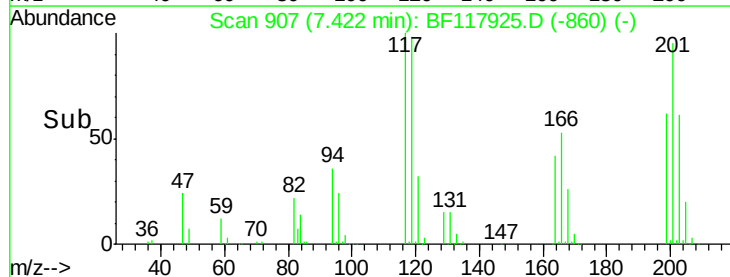


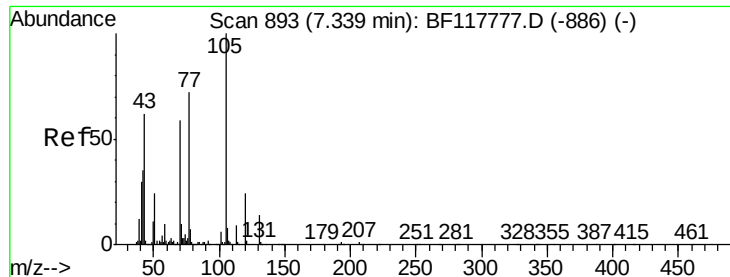
#18
Hexachloroethane
Concen: 39.798 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Tgt Ion:117 Resp: 229034
Ion Ratio Lower Upper
117 100
119 97.7 78.7 118.1
201 94.6 86.5 129.7



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

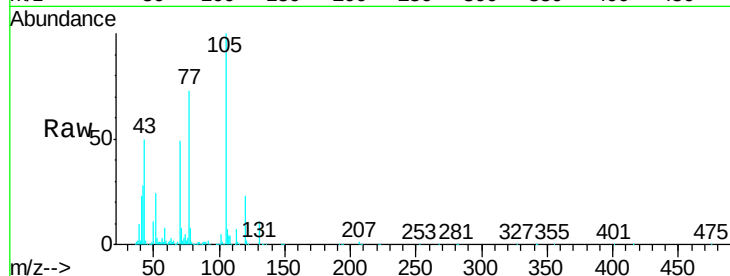




#19
n-Nitroso-di-n-propylamine
Concen: 40.416 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:	70	Resp:	364855
Ion	Ratio	Lower	Upper
70	100		
42	56.9	47.4	71.2
101	10.0	8.4	12.6
130	23.3	18.8	28.2



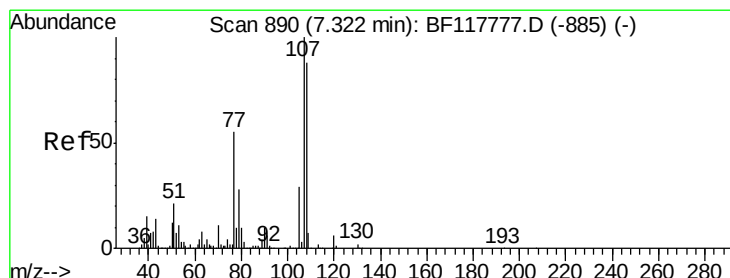
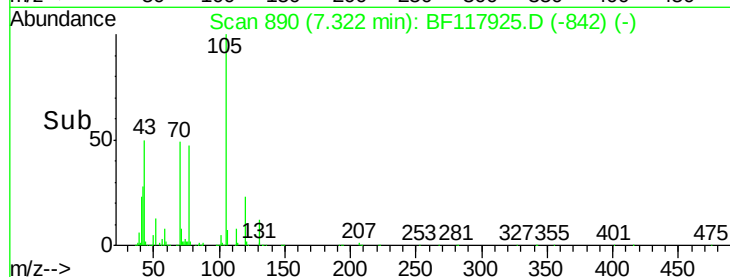
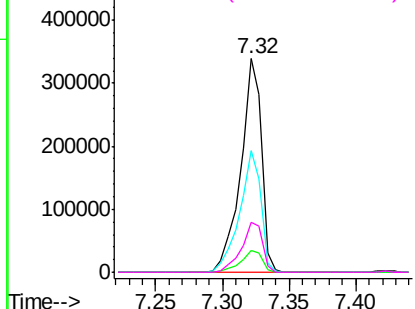
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

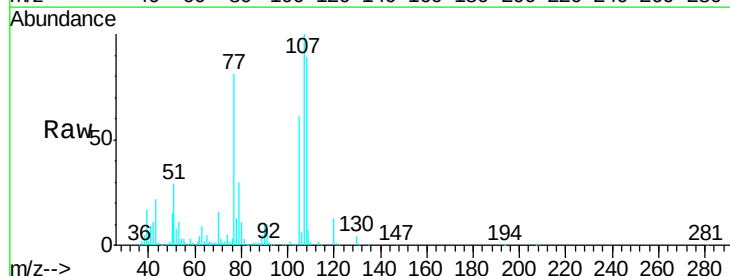
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20
3+4-Methylphenols
Concen: 38.735 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF117925.D
Acq: 22 Nov 2019 18:32

Tgt Ion:	107	Resp:	536037
Ion	Ratio	Lower	Upper
107	100		
108	89.0	68.4	108.4
77	81.5	35.2	75.2#
79	30.1	8.6	48.6



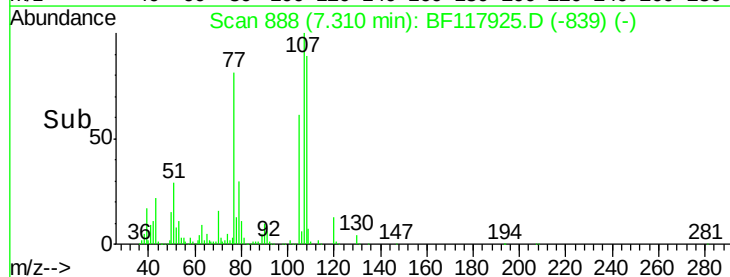
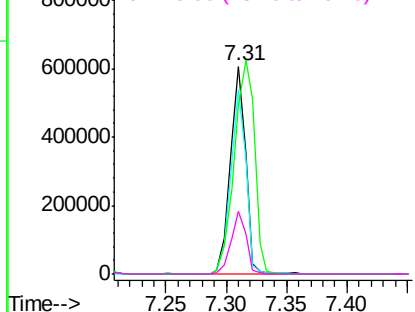
Abundance

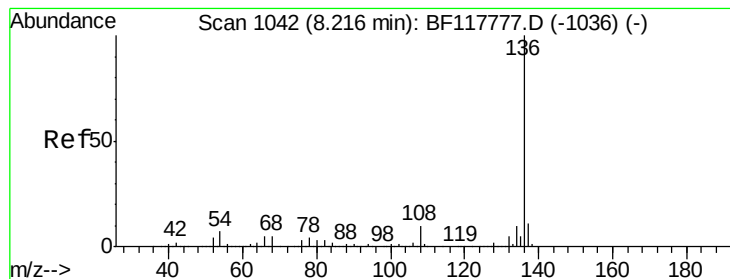
Ion 107.00 (106.70 to 107.70): E

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 827041

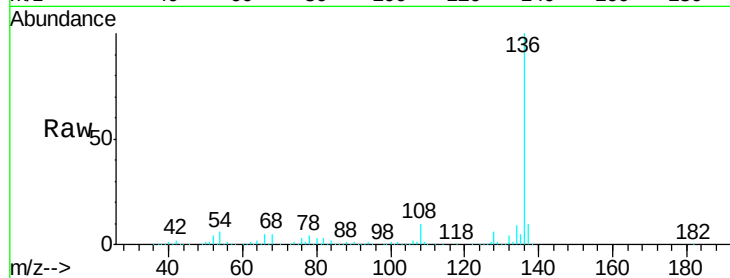
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 6.1 5.4 8.2

68 4.6 4.3 6.5

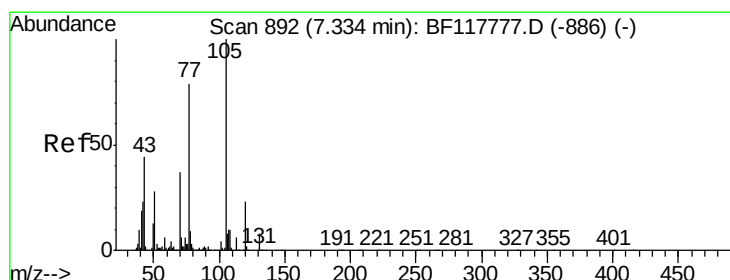
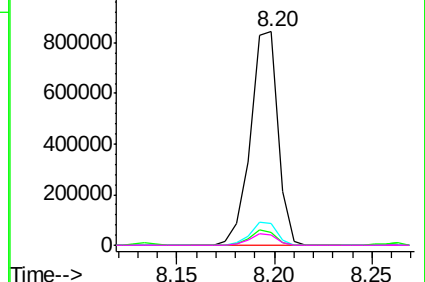
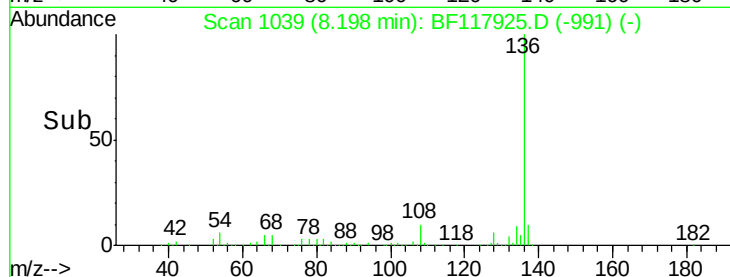


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.799 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF117925.D

Acq: 22 Nov 2019 18:32

Tgt Ion:105 Resp: 739504

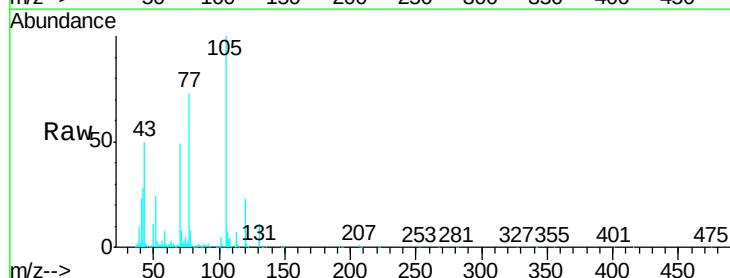
Ion Ratio Lower Upper

105 100

71 8.0 4.9 7.3#

51 23.8 22.7 34.1

120 23.0 18.5 27.7



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

