

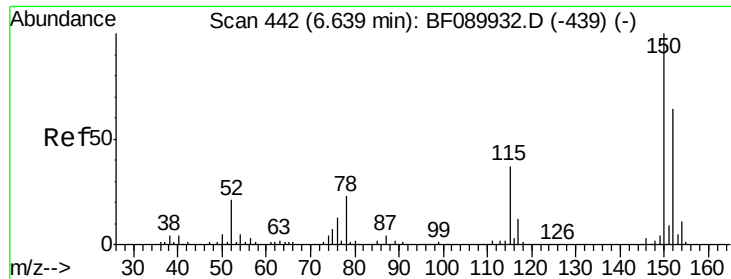
Data Path : Z:\HPCHEM1\BNA F\Data\BF091216\
 Data File : BF090062.D
 Acq On : 12 Sep 2016 14:38
 Operator : UM/SJ
 Sample : H4716-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 16:09:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 12 15:34:24 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	180493	20.00	ng	-0.01
21) Naphthalene-d8	7.86	136	658651	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	351398	20.00	ng	0.00
63) Phenanthrene-d10	11.08	188	662743	20.00	ng	0.00
75) Chrysene-d12	13.70	240	227359	20.00	ng	0.01
86) Perylene-d12	15.03	264	396137	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	335115	29.72	ng	0.00
7) Phenol-d6	6.24	99	278900	20.36	ng	0.01
23) Nitrobenzene-d5	7.14	82	861699	75.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	247542	71.40	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	1790020	83.62	ng	0.00
78) Terphenyl-d14	12.66	244	1173663	127.52	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	6.76	79	200768	23.39	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.71	45	151855	6.61	ng	89
17) 2-Methylphenol	6.76	107	89314	9.14	ng	# 1
19) n-Nitroso-di-n-propylamine	6.99	70	78707	8.81	ng	# 52
22) Acetophenone	7.00	105	66238	4.48	ng	# 85
24) Nitrobenzene	7.20	77	24214	2.01	ng	# 45
32) Benzoic acid	7.85	122	2394808	332.98	ng	95
48) Acenaphthylene	9.60	152	90401	2.73	ng	# 42
49) Dimethylphthalate	9.35	163	318992	12.56	ng	99
54) Dibenzofuran	9.66	168	193533	6.89	ng	# 59
56) 2,4-Dinitrotoluene	9.66	165	51852	7.24	ng	# 45
59) Diethylphthalate	10.04	149	76805	3.21	ng	100
66) 4-Bromophenyl-phenylether	10.39	248	16112	2.41	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.71	149	19280	2.16	ng	# 89

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

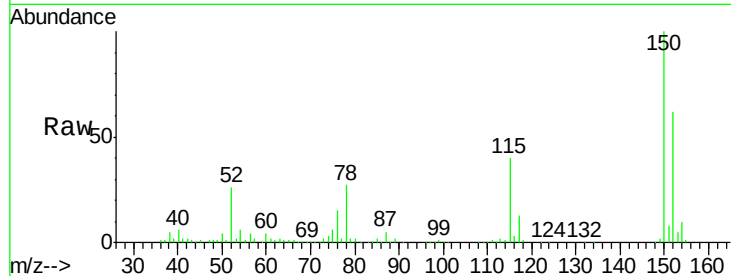


#1

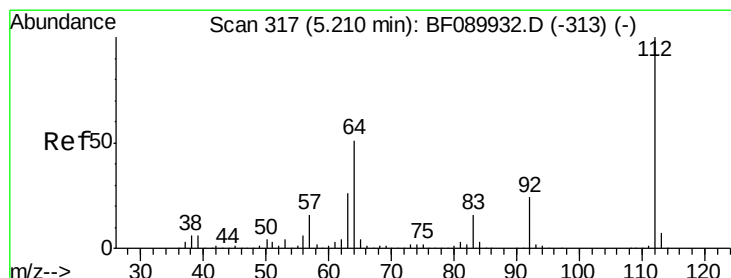
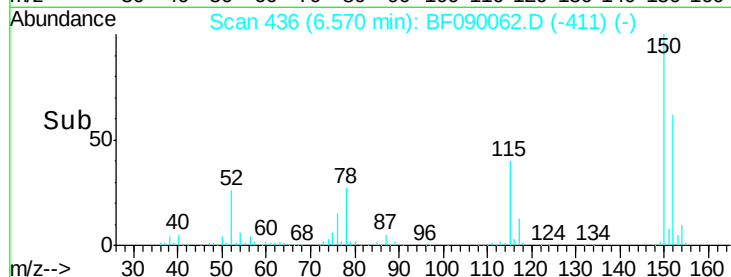
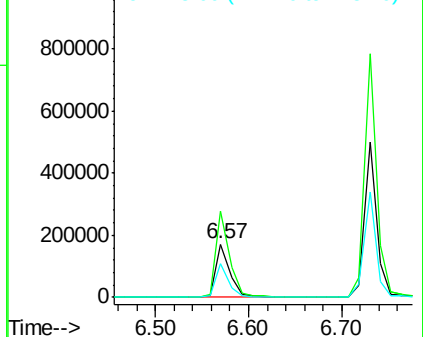
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.57 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 180493
Ion Ratio Lower Upper
152 100
150 161.1 127.4 191.2
115 64.0 46.3 69.5



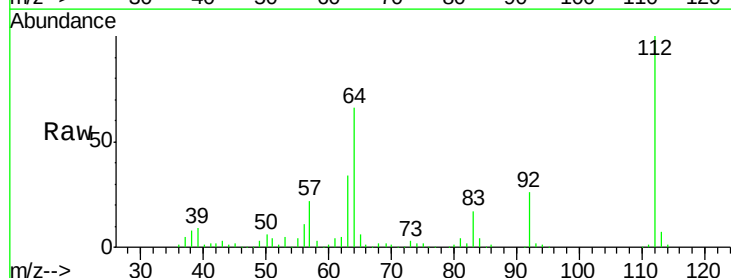
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



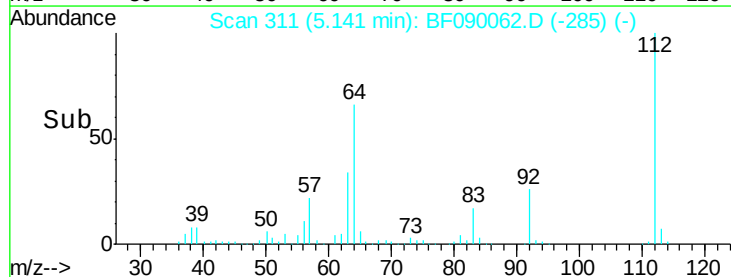
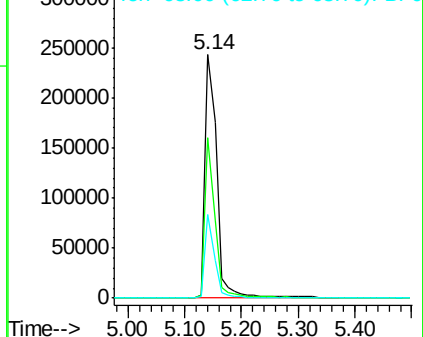
#5

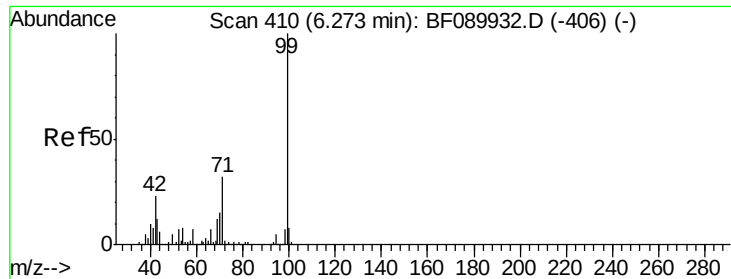
2-Fluorophenol
Concen: 29.72 ng
RT: 5.14 min Scan# 311
Delta R.T. 0.00 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

Tgt Ion:112 Resp: 335115
Ion Ratio Lower Upper
112 100
64 65.7 41.1 61.7#
63 34.3 21.2 31.8#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.36 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.01 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

Instrument :

BNA_F

ClientSampled :

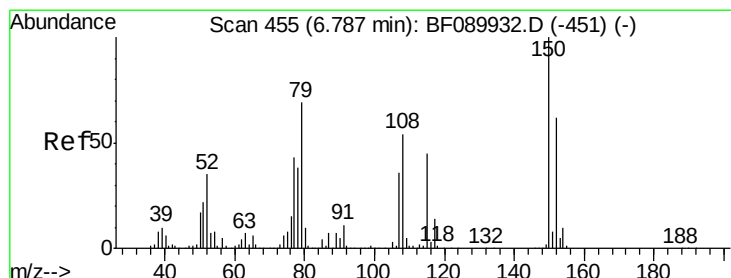
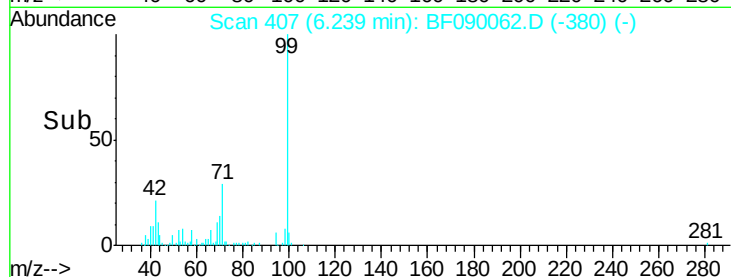
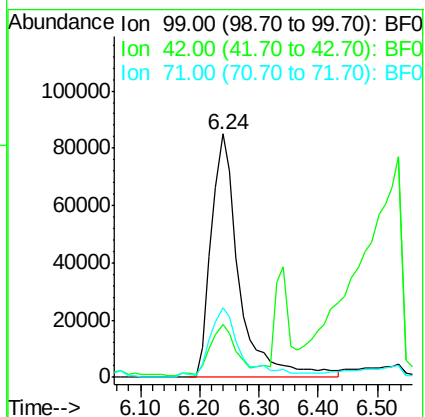
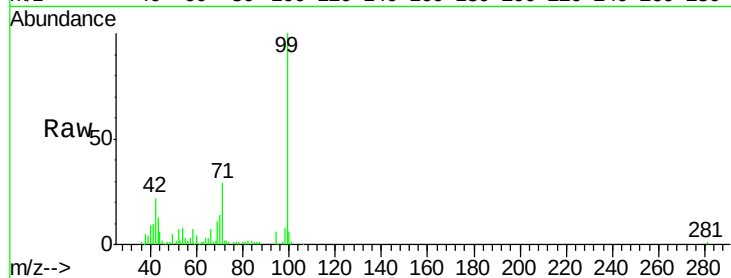
Tot Ion: 99 Resp: 278900

Ion Ratio Lower Upper

99 100

42 21.9 18.6 27.8

71 28.7 25.8 38.6



#15

Benzyl Alcohol

Concen: 23.39 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.03 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

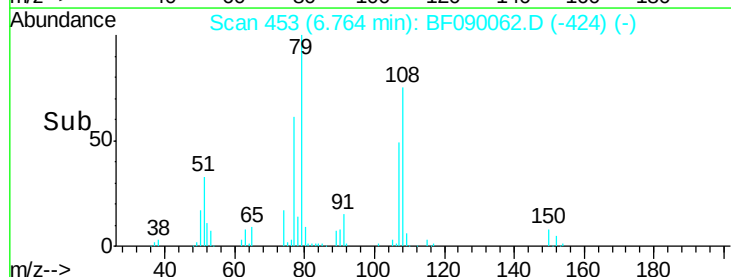
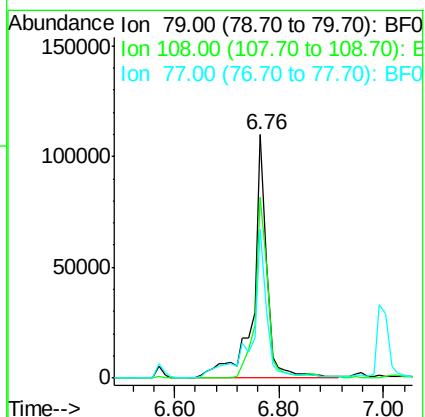
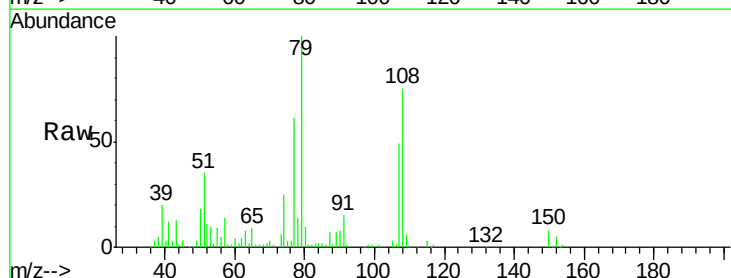
Tgt Ion: 79 Resp: 200768

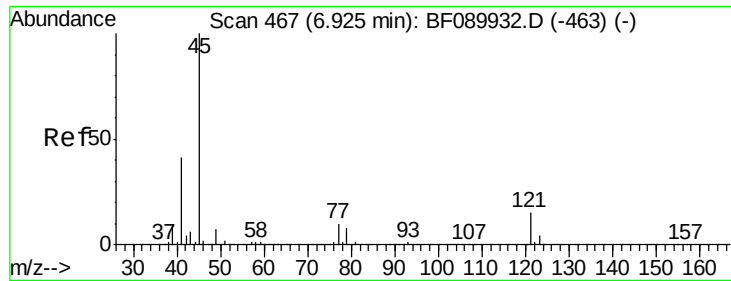
Ion Ratio Lower Upper

79 100

108 74.6 62.1 93.1

77 61.3 50.1 75.1

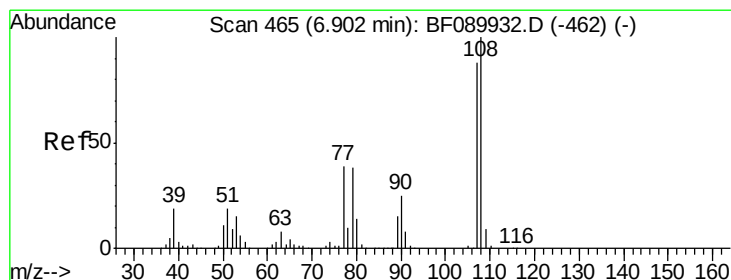
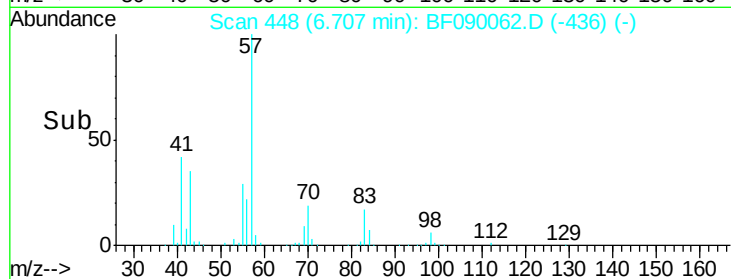
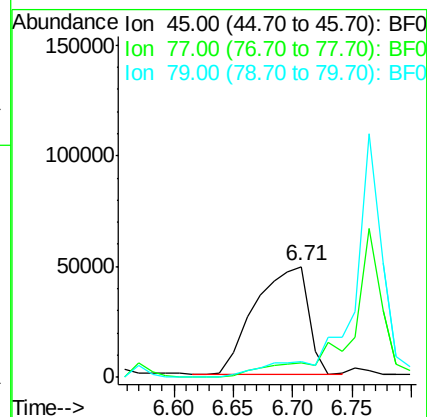
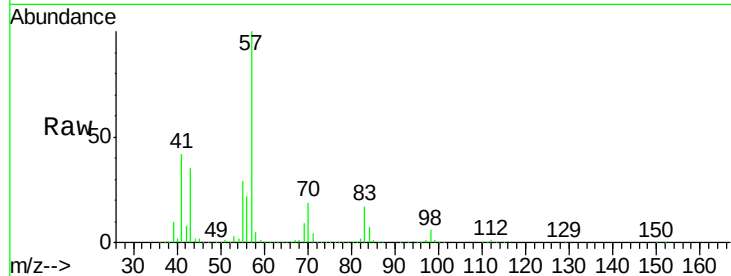




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 6.61 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.16 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

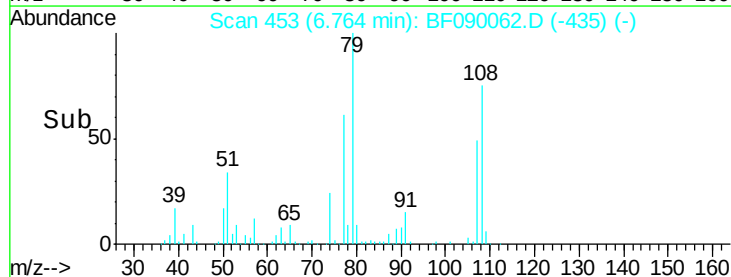
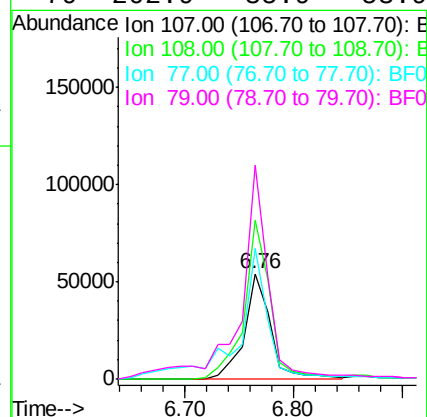
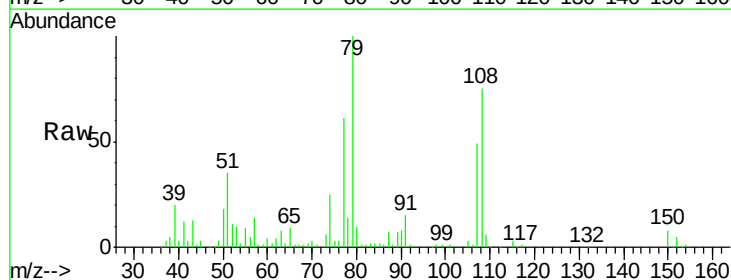
Instrument :
BNA_F
ClientSampled :

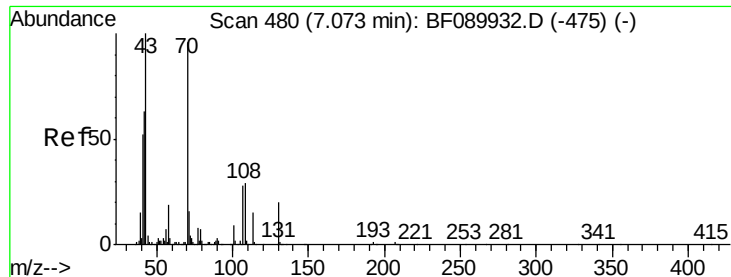
Tot Ion	Ratio	Lower	Upper
45	100		
77	12.6	0.0	30.3
79	13.7	0.0	27.5



#17
2-Methylphenol
Concen: 9.14 ng
RT: 6.76 min Scan# 453
Delta R.T. -0.09 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	151.3	91.8	137.6#
77	124.3	36.0	54.0#
79	202.9	35.9	53.9#

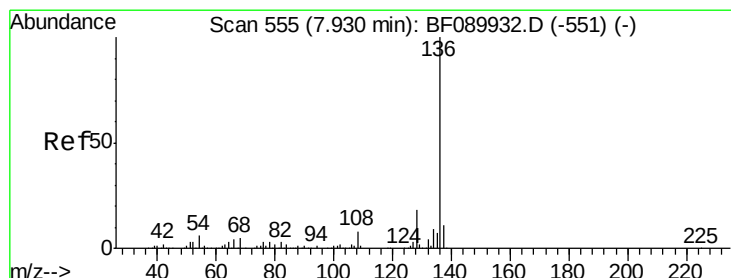
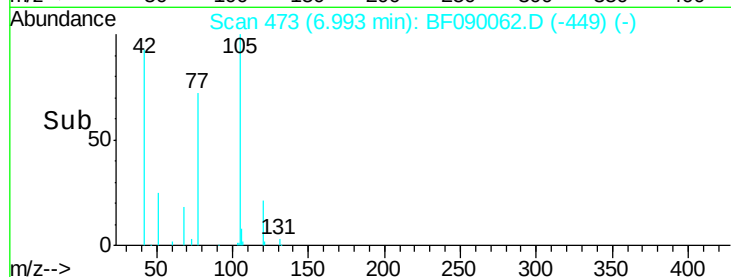
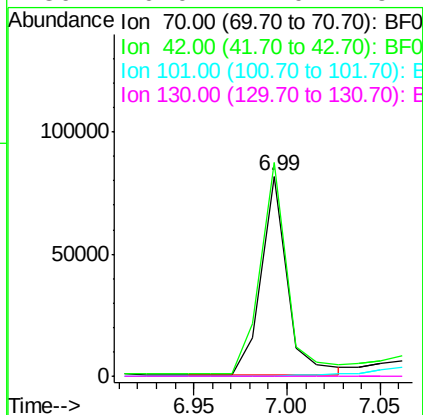
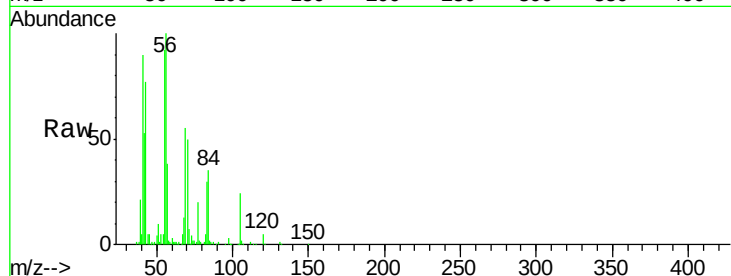




#19
n-Nitroso-di-n-propylamine
Concen: 8.81 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.02 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

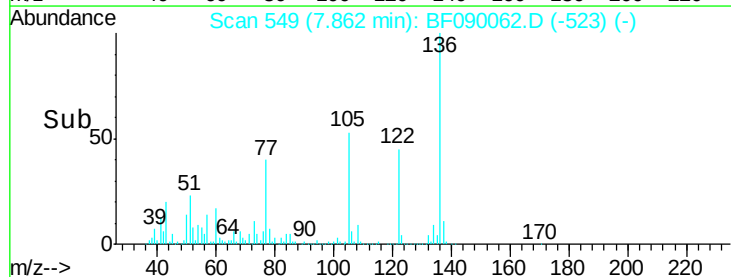
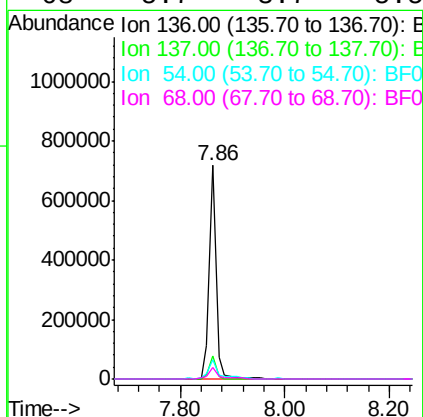
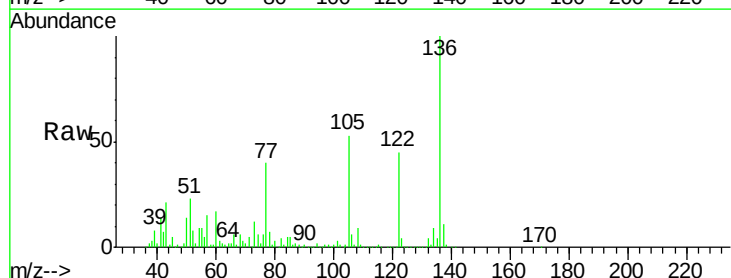
Instrument :
BNA_F
ClientSampled :

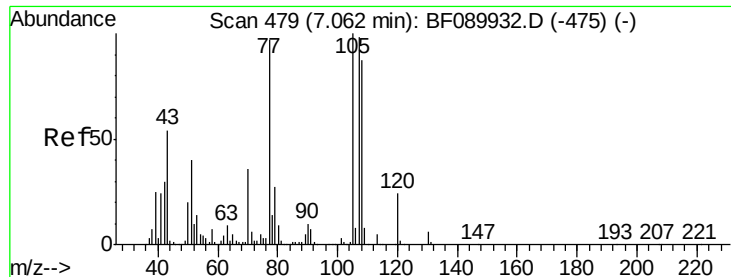
Tot Ion: 70 Resp: 78707
Ion Ratio Lower Upper
70 100
42 106.7 52.1 78.1#
101 0.0 7.4 11.2#
130 0.0 17.0 25.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

Tgt Ion: 136 Resp: 658651
Ion Ratio Lower Upper
136 100
137 10.9 8.3 12.5
54 9.1 4.8 7.2#
68 5.7 3.7 5.5#





#22

Acetophenone

Concen: 4.48 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 105 Resp: 66238

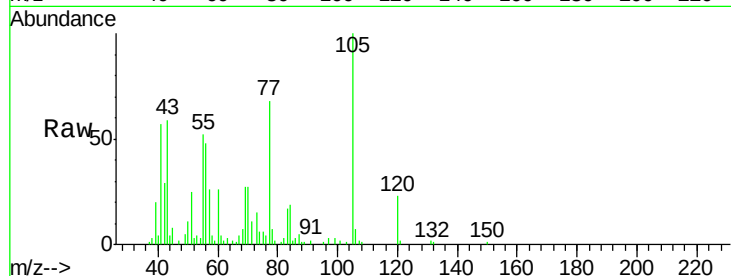
Ion Ratio Lower Upper

105 100

71 11.3 5.3 7.9#

51 25.5 32.6 48.8#

120 23.5 18.6 28.0

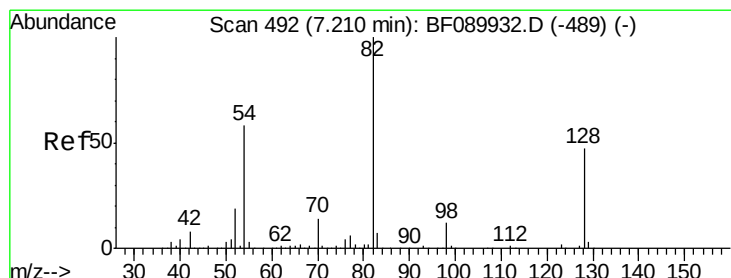
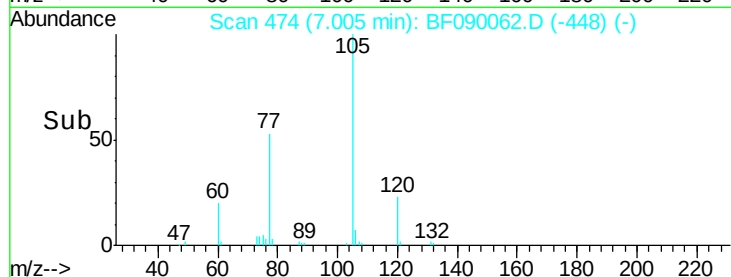
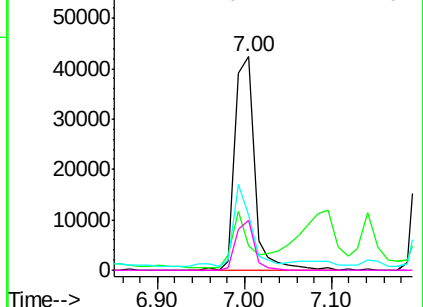


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 75.87 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

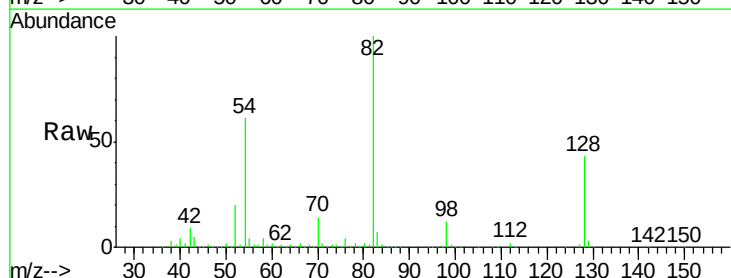
Tgt Ion: 82 Resp: 861699

Ion Ratio Lower Upper

82 100

128 43.4 37.8 56.8

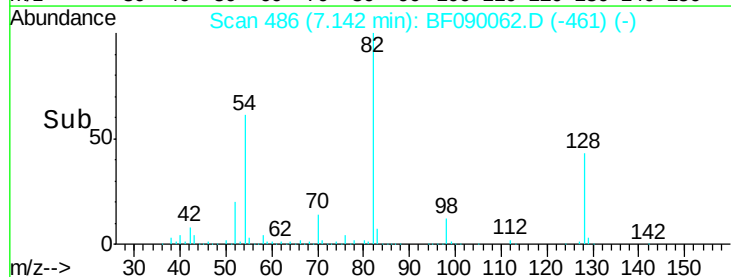
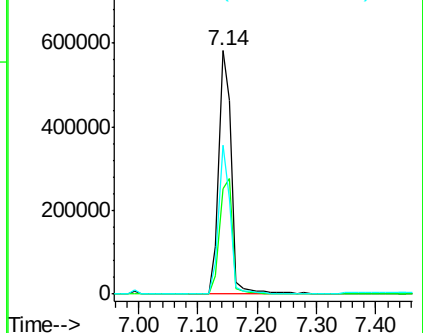
54 61.1 46.9 70.3

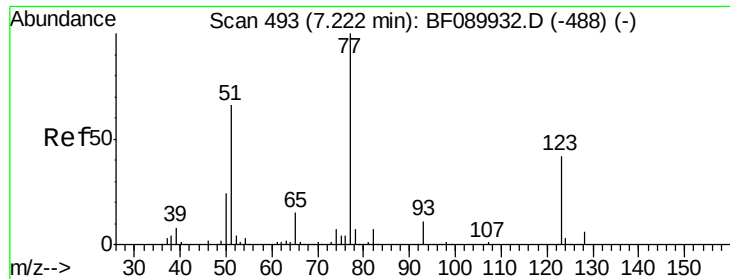


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

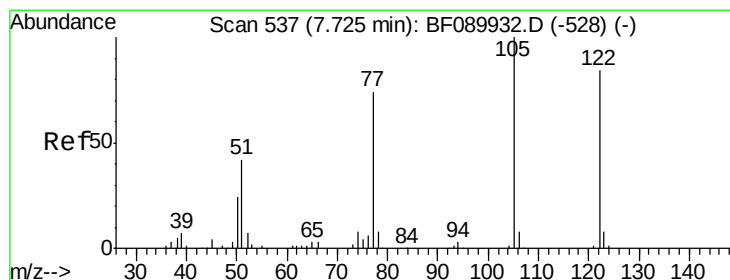
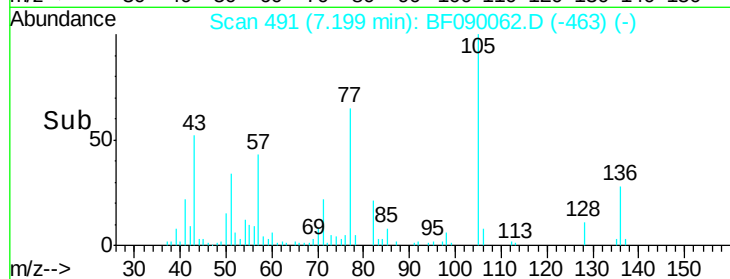
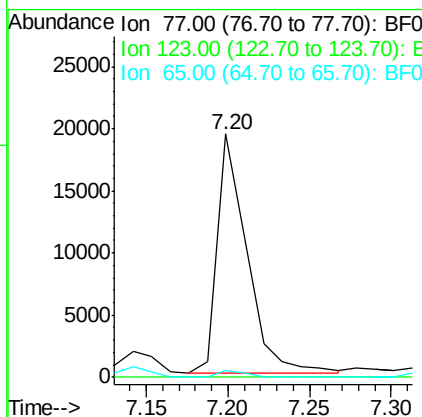
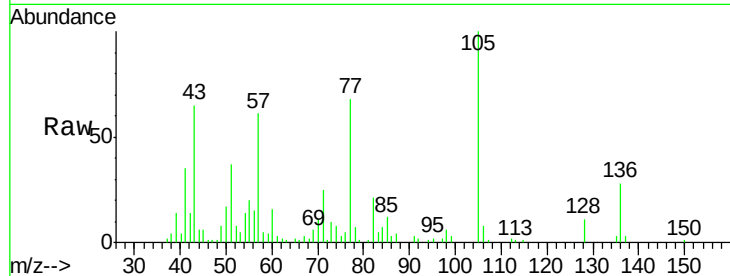




#24
 Nitrobenzene
 Concen: 2.01 ng
 RT: 7.20 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

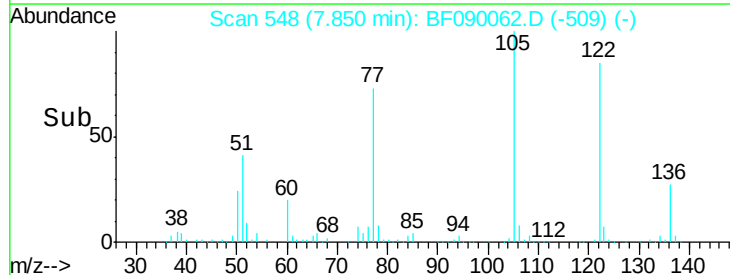
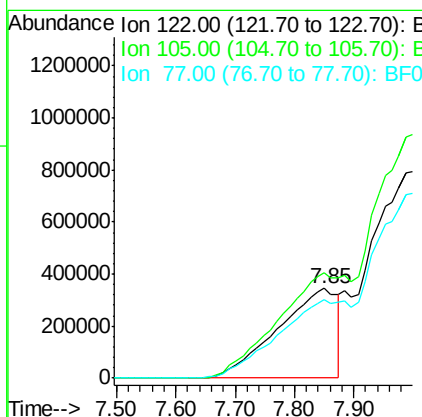
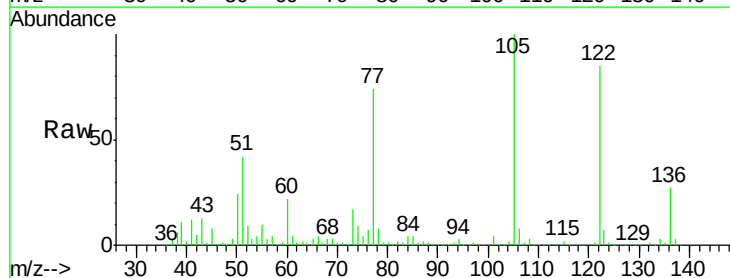
Instrument :
 BNA_F
 ClientSampleId :

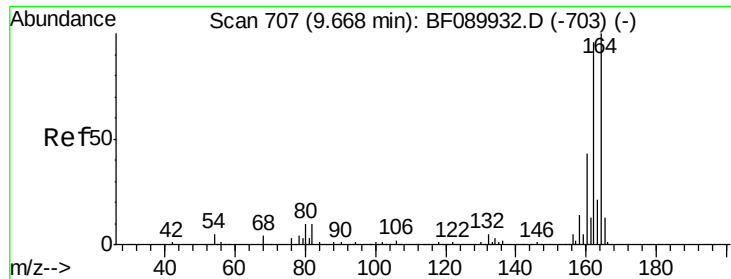
Tot Ion: 77 Resp: 24214
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.0 48.0#
 65 2.6 11.2 16.8#



#32
 Benzoic acid
 Concen: 332.98 ng
 RT: 7.85 min Scan# 548
 Delta R.T. 0.15 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

Tgt Ion: 122 Resp: 2394808
 Ion Ratio Lower Upper
 122 100
 105 118.2 102.2 142.2
 77 87.0 74.1 114.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.00 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

Instrument :

BNA_F

ClientSampleId :

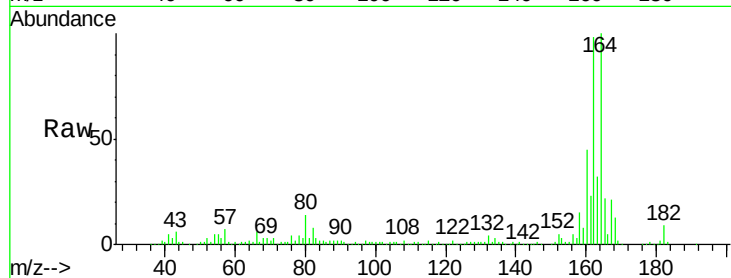
Tot Ion:164 Resp: 351398

Ion Ratio Lower Upper

164 100

162 98.4 77.1 115.7

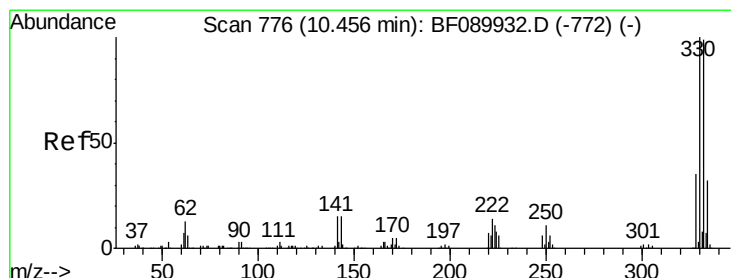
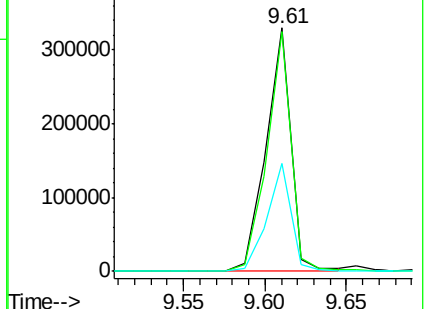
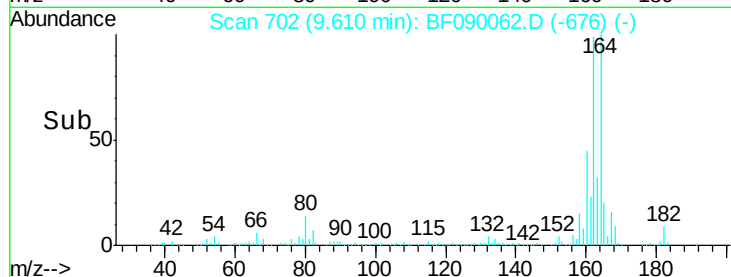
160 44.5 35.3 52.9



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



#41

2,4,6-Tribromophenol

Concen: 71.40 ng

RT: 10.40 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

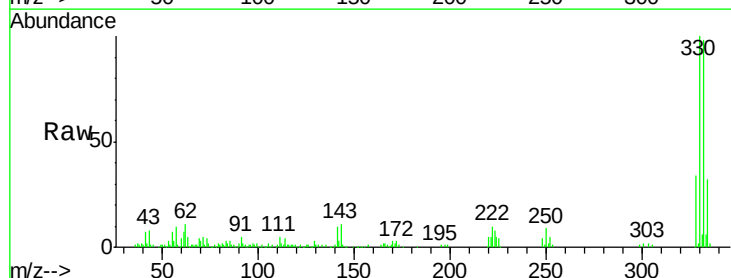
Tgt Ion:330 Resp: 247542

Ion Ratio Lower Upper

330 100

332 96.1 78.6 117.8

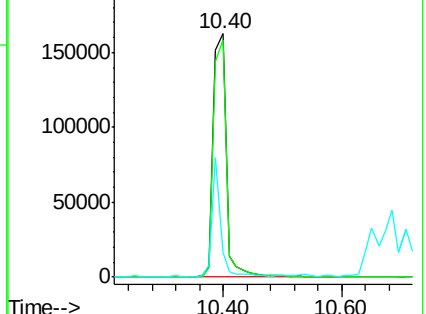
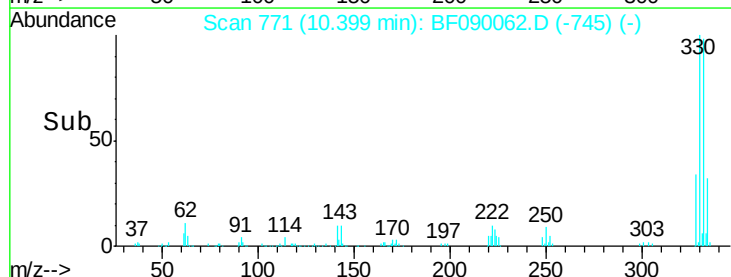
141 31.6 23.3 34.9

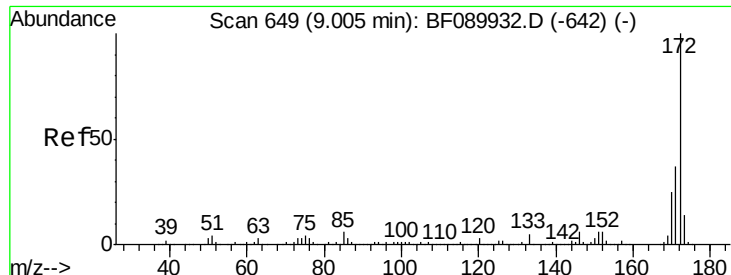


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

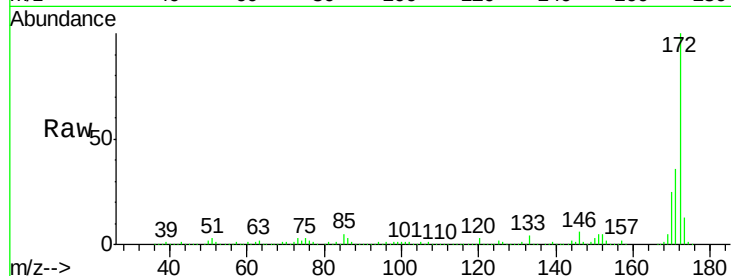




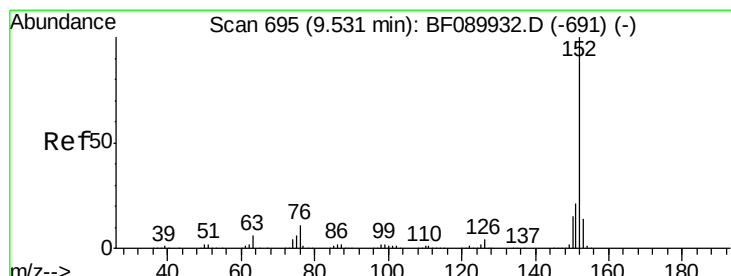
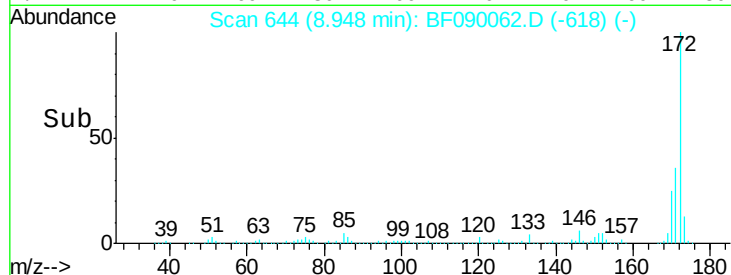
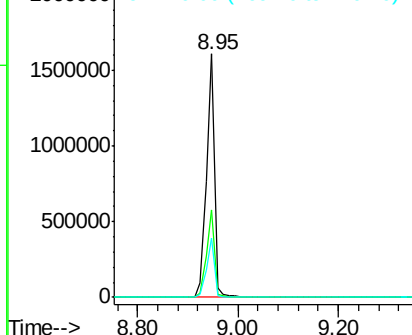
#44
 2-Fluorobiphenyl
 Concen: 83.62 ng
 RT: 8.95 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1790020
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.4 44.2
 170 24.6 20.1 30.1

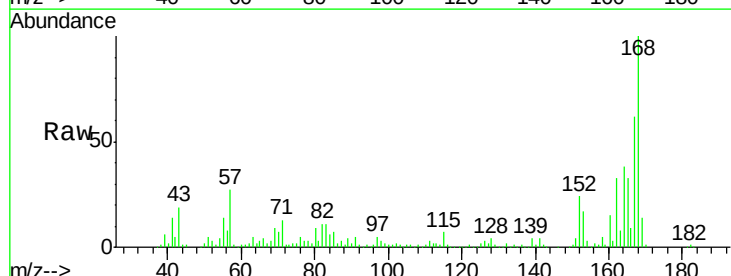


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

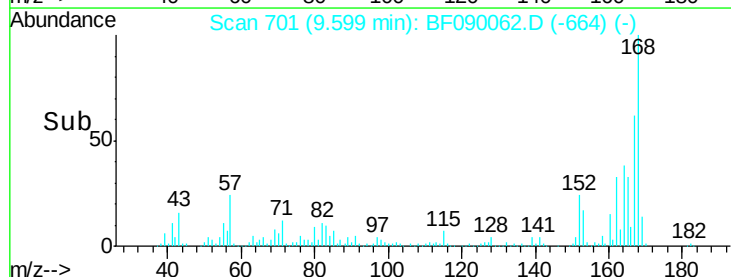
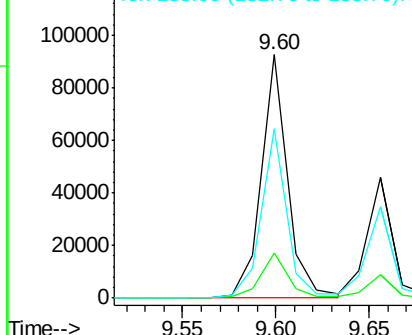


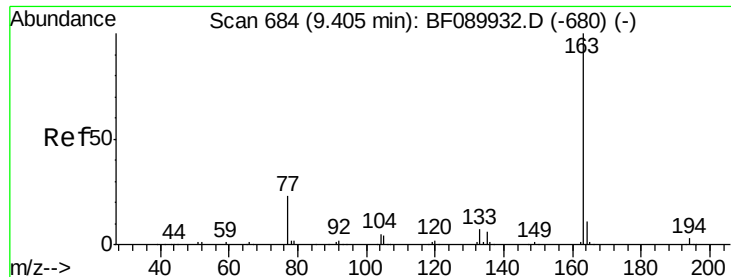
#48
 Acenaphthylene
 Concen: 2.73 ng
 RT: 9.60 min Scan# 701
 Delta R.T. 0.13 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

Tgt Ion:152 Resp: 90401
 Ion Ratio Lower Upper
 152 100
 151 18.6 16.7 25.1
 153 69.4 11.6 17.4#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

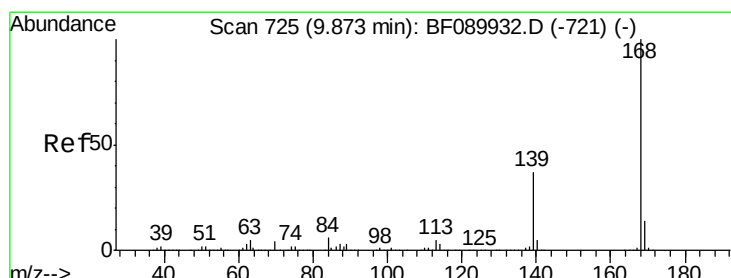
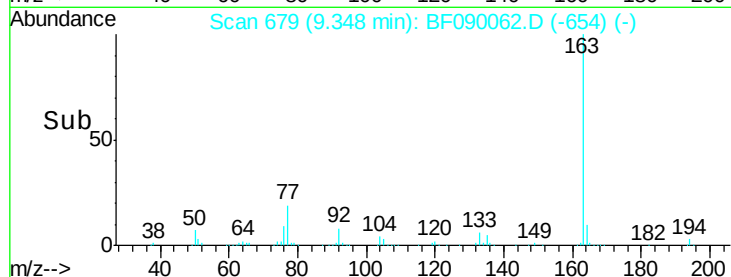
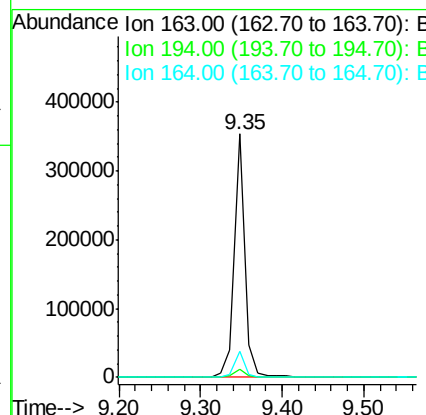
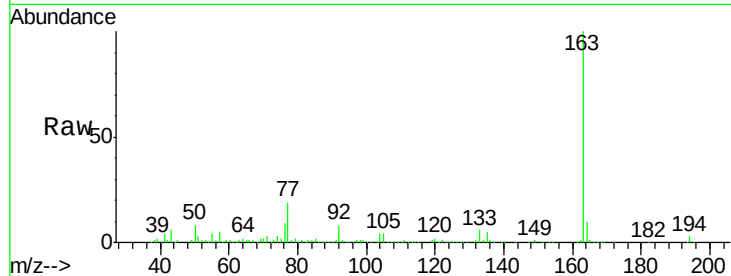




#49
Dimethylphthalate
Concen: 12.56 ng
RT: 9.35 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

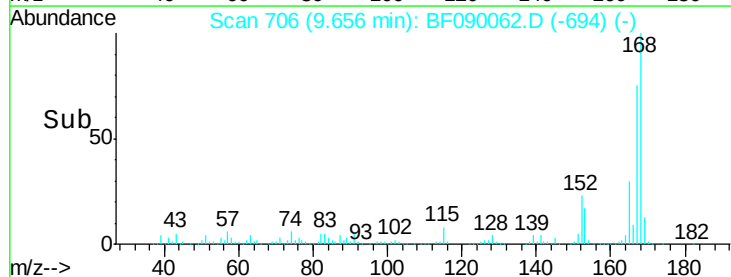
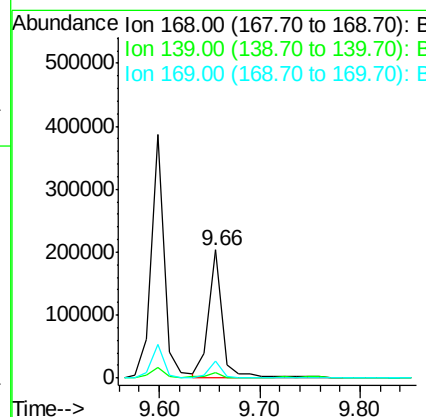
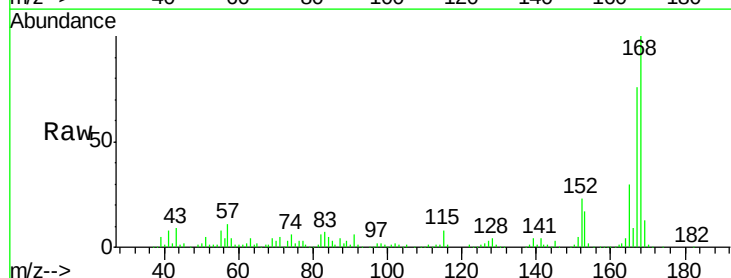
Instrument :
BNA_F
ClientSampleId :

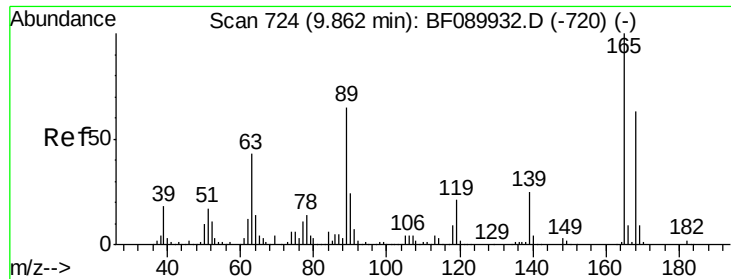
Tot Ion:163 Resp: 318992
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.5 9.0 13.4



#54
Dibenzofuran
Concen: 6.89 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.16 min
Lab File: BF090062.D
Acq: 12 Sep 2016 14:38

Tgt Ion:168 Resp: 193533
Ion Ratio Lower Upper
168 100
139 4.1 29.5 44.3#
169 13.3 10.8 16.2

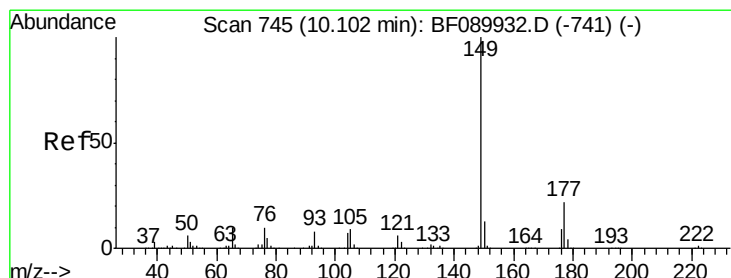
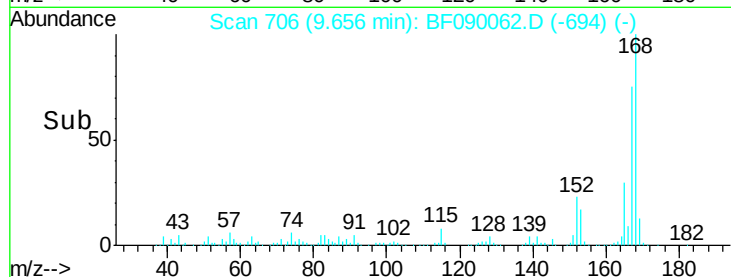
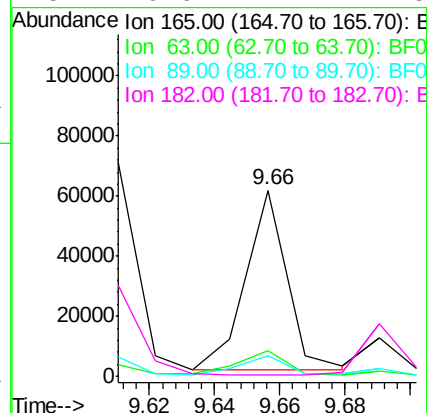
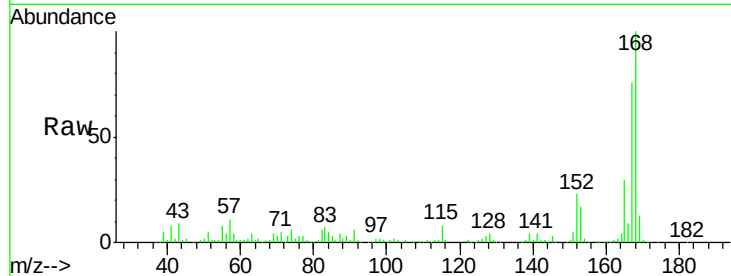




#56
 2,4-Dinitrotoluene
 Concen: 7.24 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.16 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

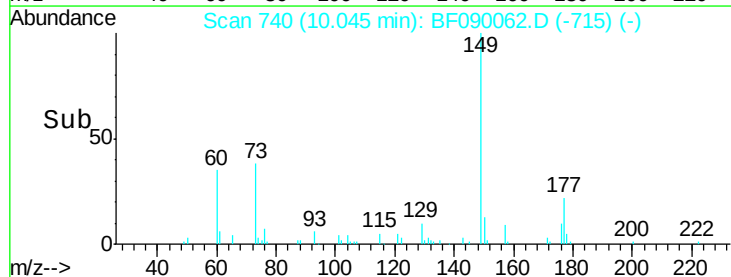
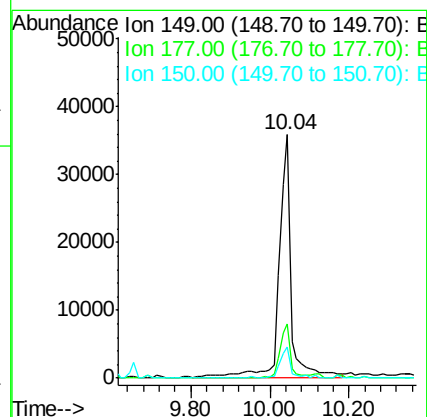
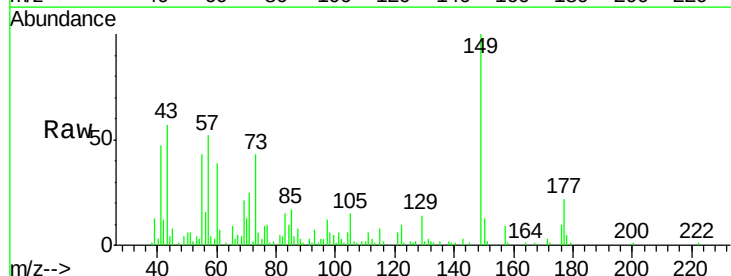
Instrument :
 BNA_F
 ClientSampled :

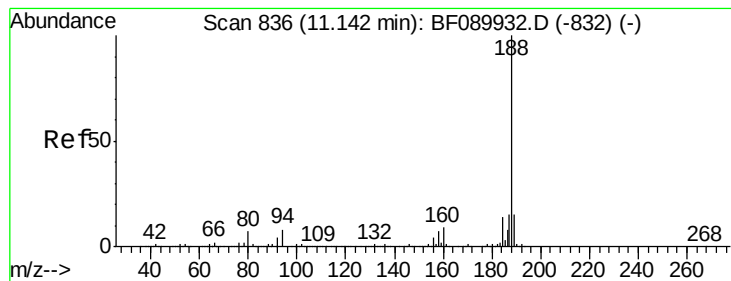
Tot Ion	Ratio	Lower	Upper
165	100		
63	14.1	32.5	48.7#
89	10.8	48.3	72.5#
182	0.6	1.7	2.5#



#59
 Diethylphthalate
 Concen: 3.21 ng
 RT: 10.04 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.7	26.5
150	12.6	10.2	15.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

Instrument :

BNA_F

ClientSampled :

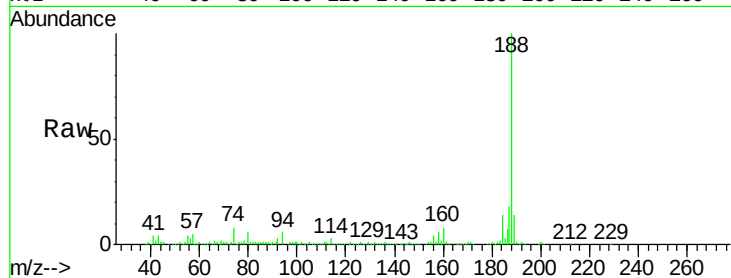
Tot Ion:188 Resp: 662743

Ion Ratio Lower Upper

188 100

94 5.5 5.9 8.9#

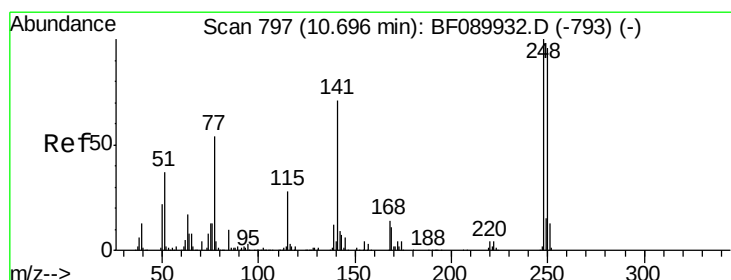
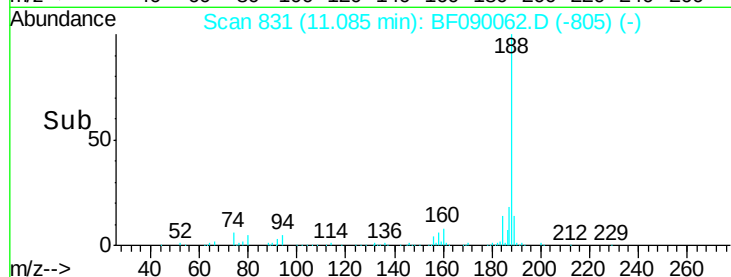
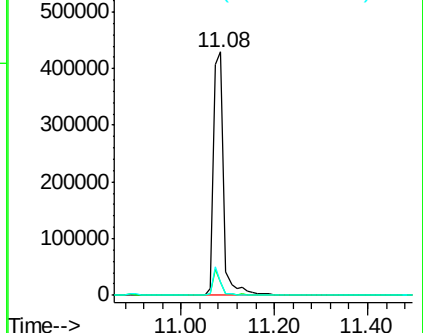
80 5.6 5.8 8.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 2.41 ng

RT: 10.39 min Scan# 770

Delta R.T. -0.25 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

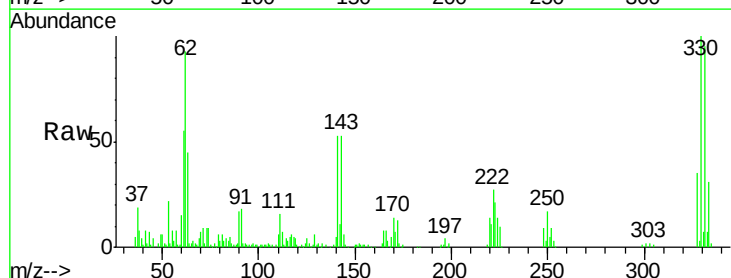
Tgt Ion:248 Resp: 16112

Ion Ratio Lower Upper

248 100

250 184.2 77.3 115.9#

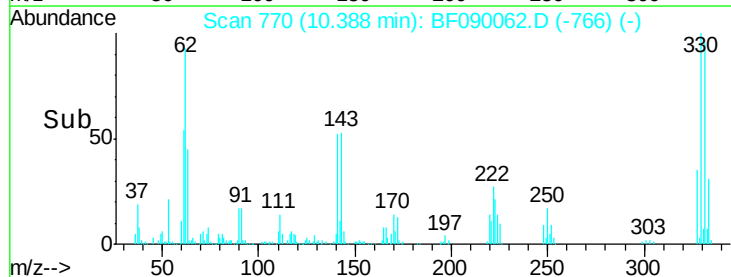
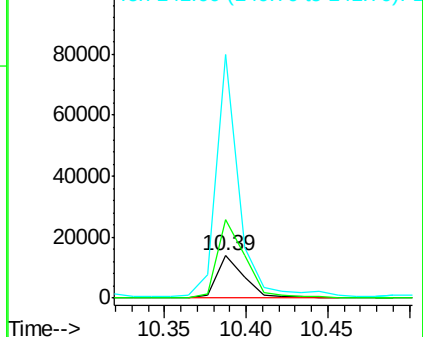
141 572.8 55.8 83.8#

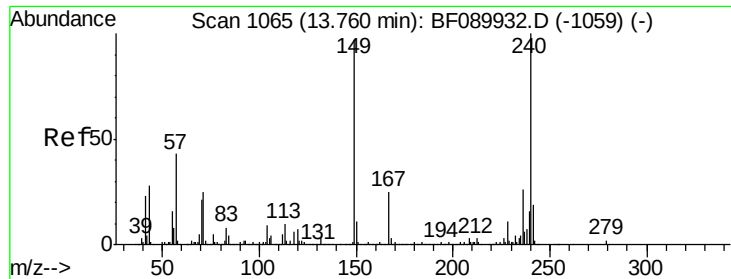


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. 0.01 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

Instrument :

BNA_F

ClientSampleId :

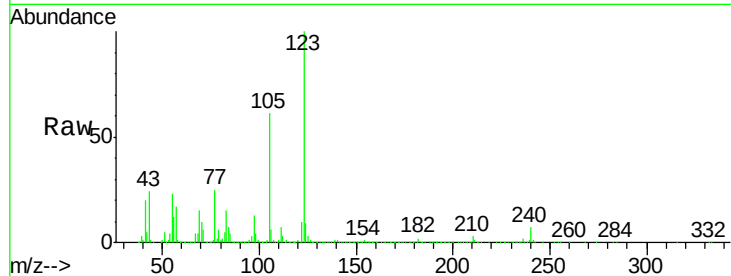
Tot Ion:240 Resp: 227359

Ion Ratio Lower Upper

240 100

120 12.3 5.7 8.5#

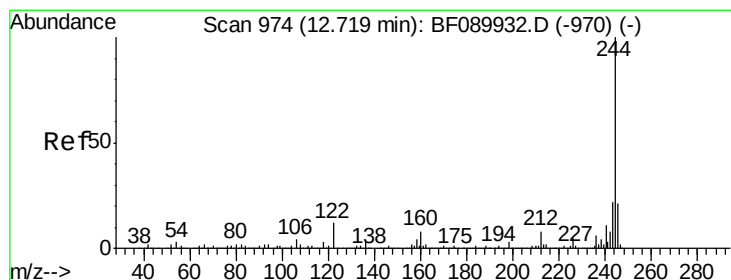
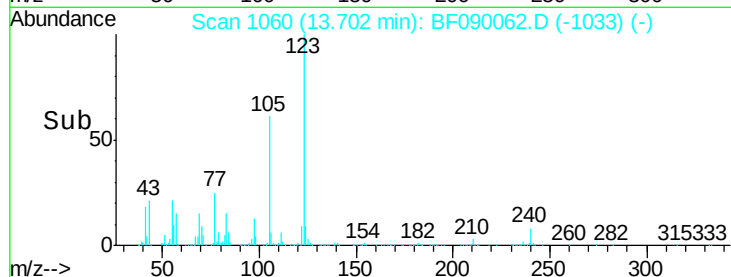
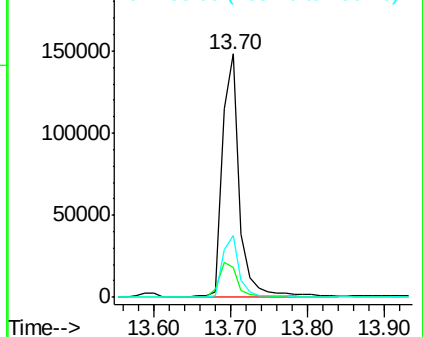
236 25.3 21.3 31.9



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



#78

Terphenyl-d14

Concen: 127.52 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF090062.D

Acq: 12 Sep 2016 14:38

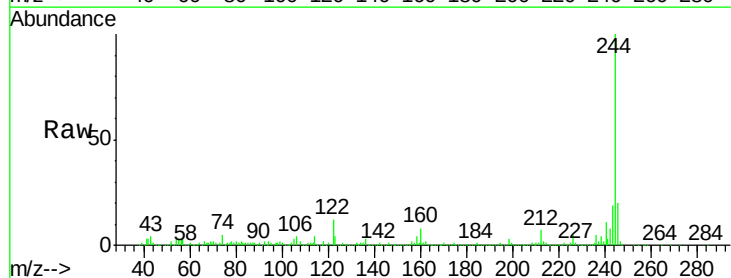
Tgt Ion:244 Resp: 1173663

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

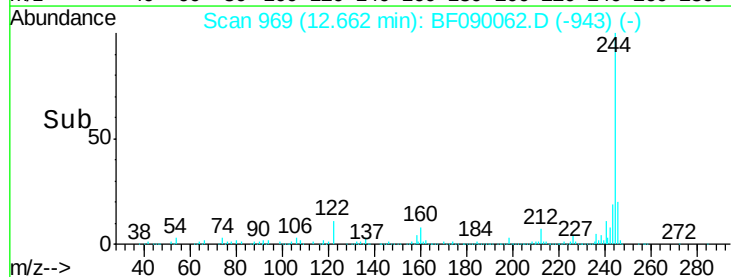
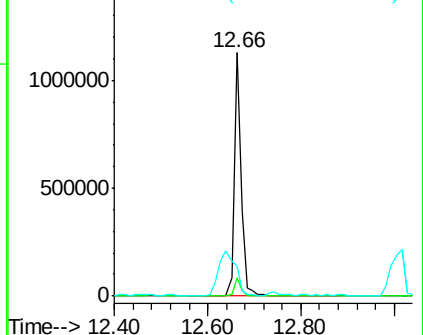
122 12.4 9.6 14.4

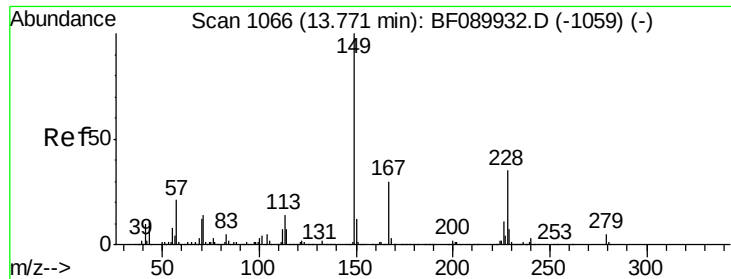


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

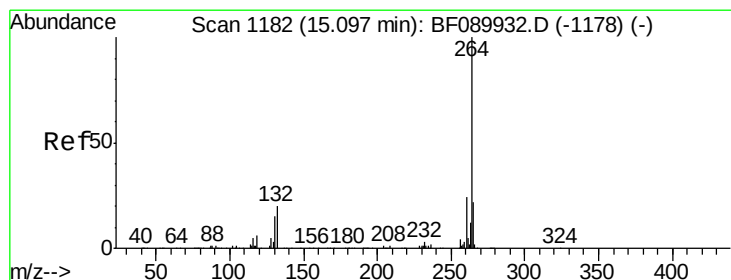
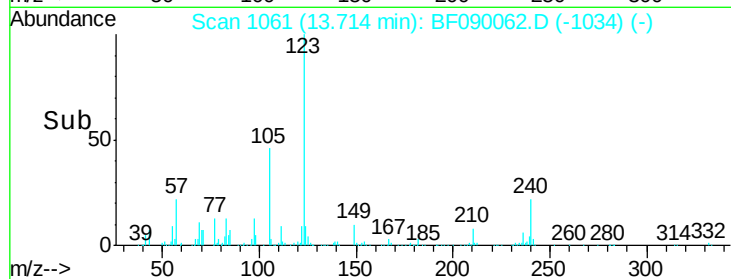
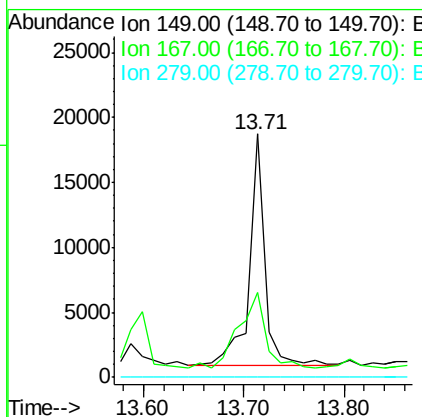
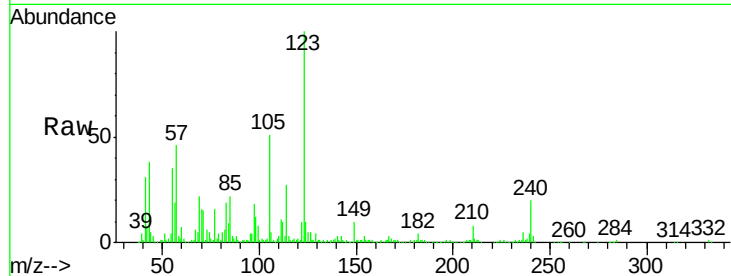




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.16 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.01 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:149 Resp: 19280
 Ion Ratio Lower Upper
 149 100
 167 35.1 23.6 35.4
 279 0.0 3.4 5.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: BF090062.D
 Acq: 12 Sep 2016 14:38

Tgt Ion:264 Resp: 396137
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.0
 265 21.3 17.4 26.2

