

Data Path : Z:\HPCHEM1\BNA F\Data\BF111715\
 Data File : BF082996.D
 Acq On : 18 Nov 2015 5:55
 Operator : UM/IZ
 Sample : G4423-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 06:57:09 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 04:41:30 2015
 Response via : Initial Calibration

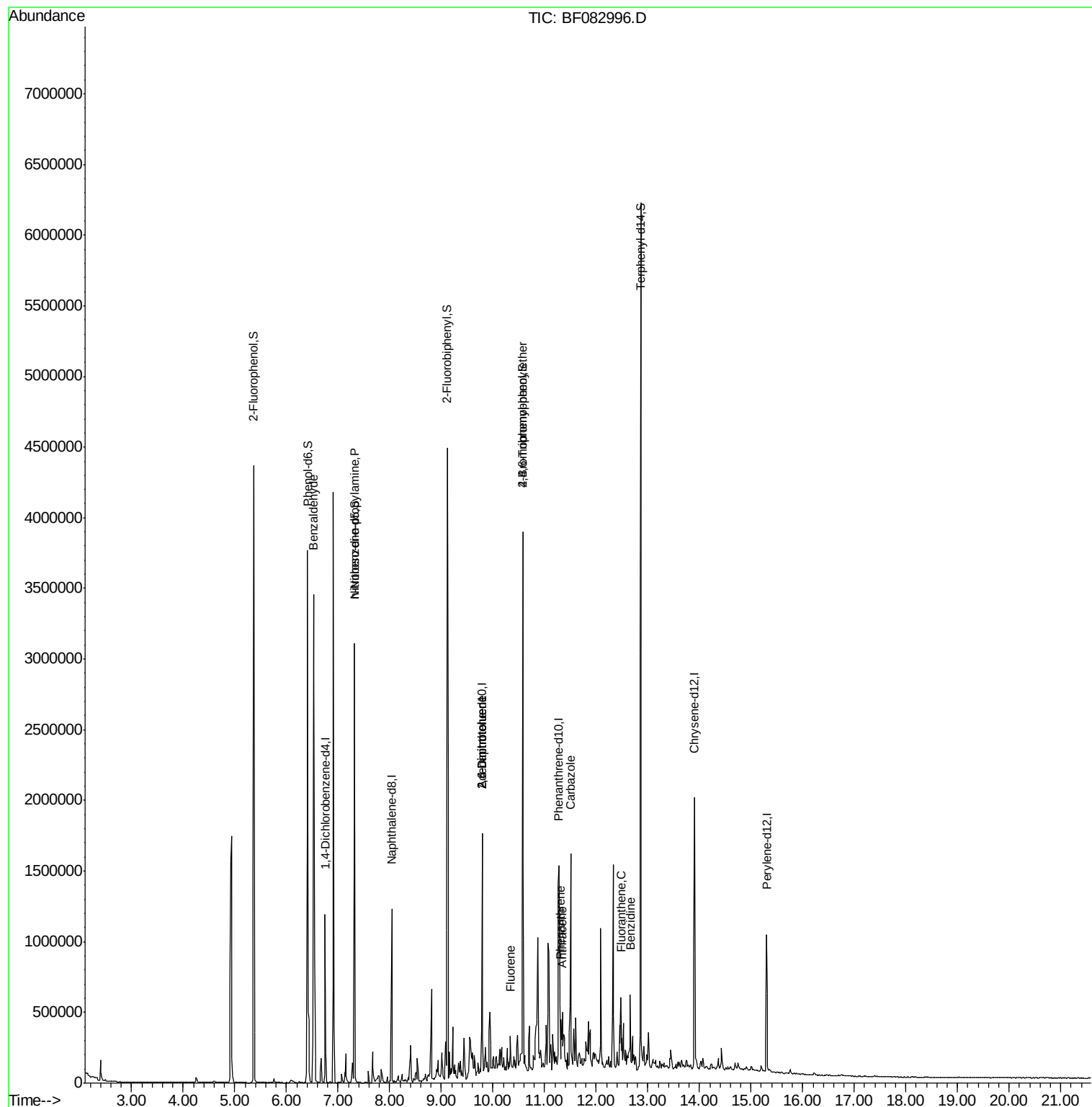
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160873	20.00	ng	-0.10
21) Naphthalene-d8	8.04	136	618533	20.00	ng	-0.10
38) Acenaphthene-d10	9.79	164	329394	20.00	ng	-0.10
63) Phenanthrene-d10	11.28	188	760222	20.00	ng	-0.10
75) Chrysene-d12	13.91	240	711983	20.00	ng	-0.11
86) Perylene-d12	15.30	264	455049	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1151196	111.34	ng	-0.08
7) Phenol-d6	6.41	99	1626960	118.36	ng	-0.08
23) Nitrobenzene-d5	7.32	82	1261471	88.74	ng	-0.09
41) 2,4,6-Tribromophenol	10.58	330	514058	136.11	ng	-0.10
44) 2-Fluorobiphenyl	9.12	172	1746769	76.00	ng	-0.10
78) Terphenyl-d14	12.87	244	2088496	69.57	ng	-0.10
Target Compounds						
9) Benzaldehyde	6.52	77	31955	4.21	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.32	70	168196	16.65	ng	# 68
50) 2,6-Dinitrotoluene	9.79	165	43525	7.56	ng	# 18
56) 2,4-Dinitrotoluene	9.79	165	43528	5.57	ng	# 16
57) Fluorene	10.34	166	53733	2.25	ng	94
66) 4-Bromophenyl-phenylether	10.58	248	31626	3.45	ng	# 1
70) Phenanthrene	11.30	178	278828	6.32	ng	95
71) Anthracene	11.34	178	122590	2.64	ng	96
72) Carbazole	11.50	167	519489	12.76	ng	96
74) Fluoranthene	12.48	202	183999	3.88	ng	98
76) Benzydine	12.66	184	87479	3.67	ng	# 94

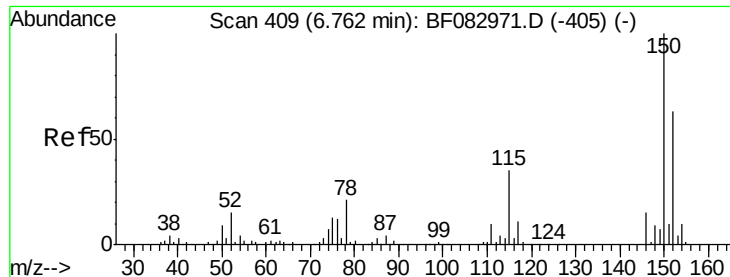
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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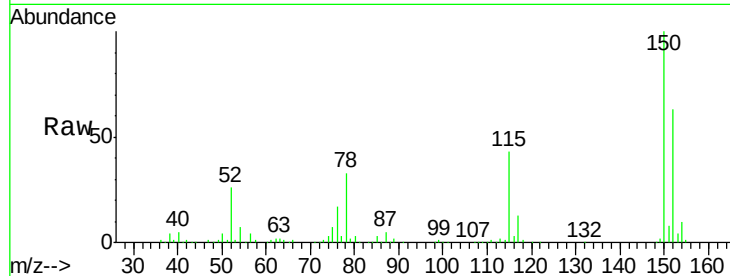


#1

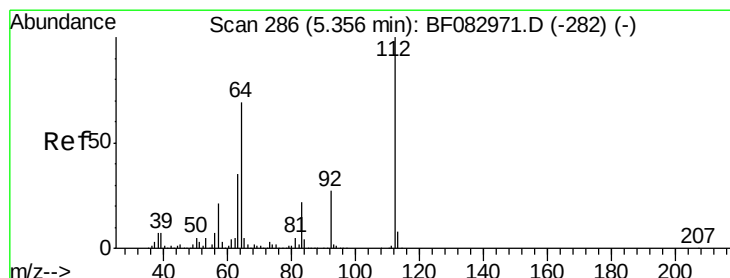
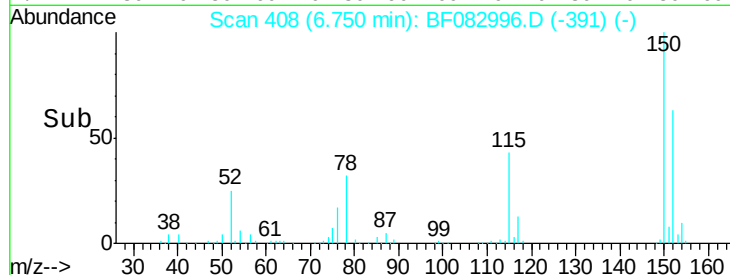
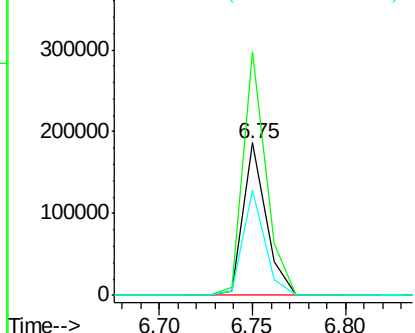
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.10 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160873
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.4
115 69.0 47.0 70.6



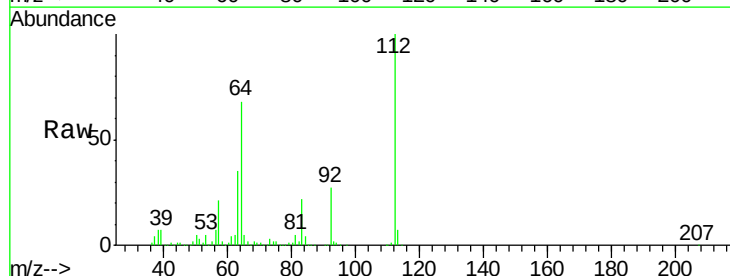
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



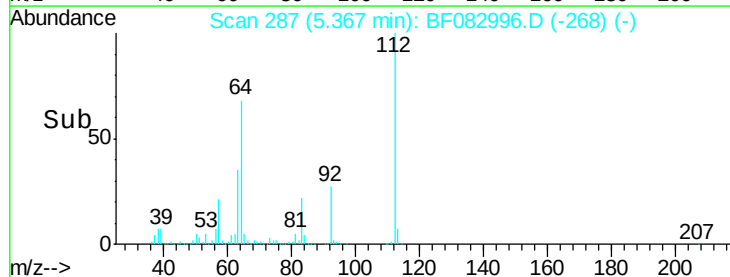
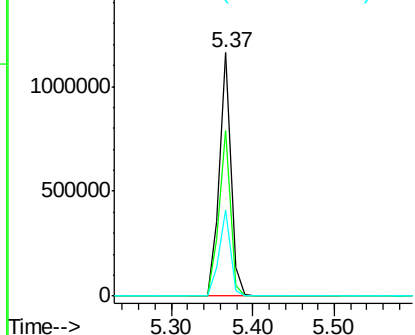
#5

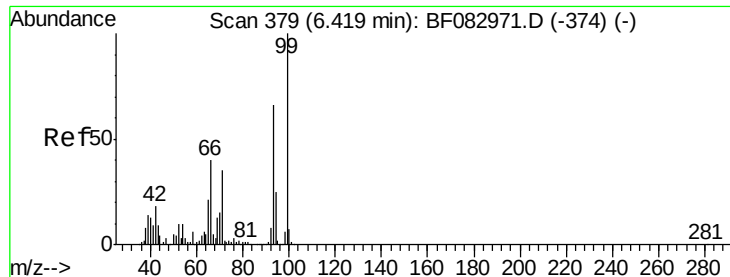
2-Fluorophenol
Concen: 111.34 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.08 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Tgt Ion:112 Resp: 1151196
Ion Ratio Lower Upper
112 100
64 68.0 48.9 73.3
63 35.2 28.1 42.1



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: 118.36 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.08 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

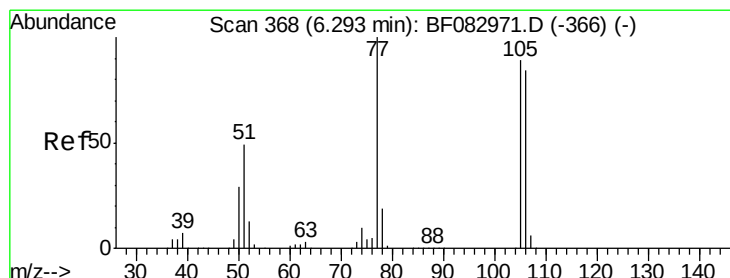
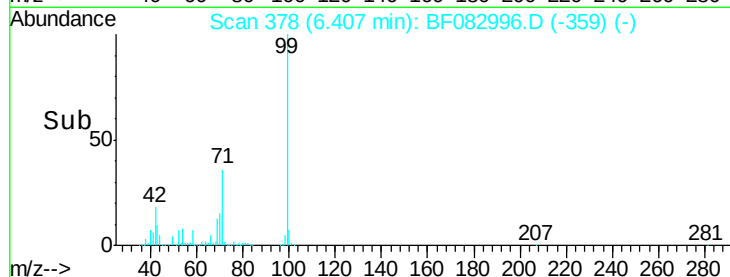
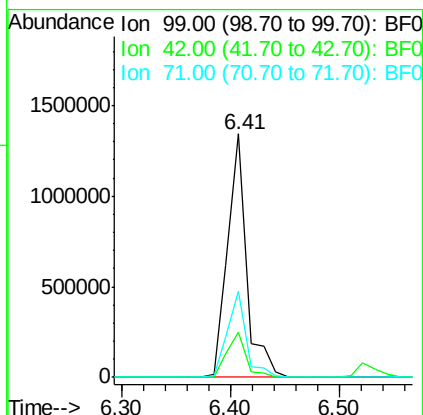
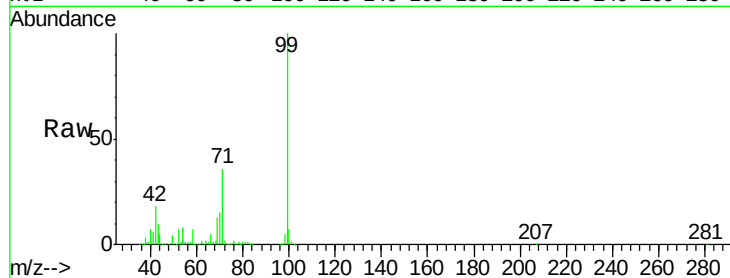
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1626960

Ion	Ratio	Lower	Upper
99	100		
42	18.4	19.2	28.8#
71	35.6	35.0	52.4



#9

Benzaldehyde

Concen: 4.21 ng

RT: 6.52 min Scan# 388

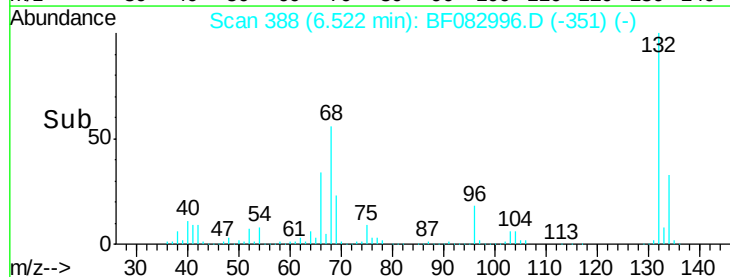
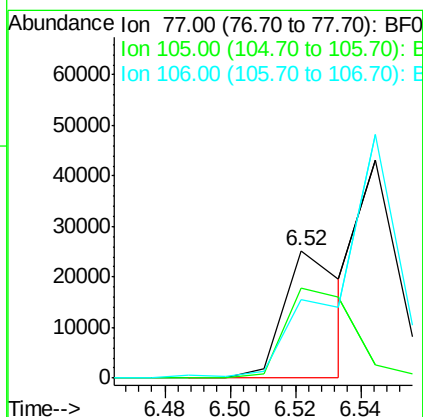
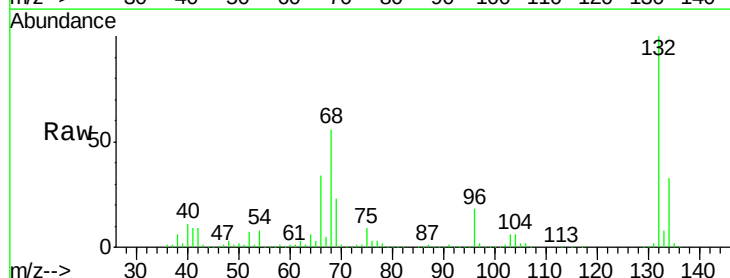
Delta R.T. 0.13 min

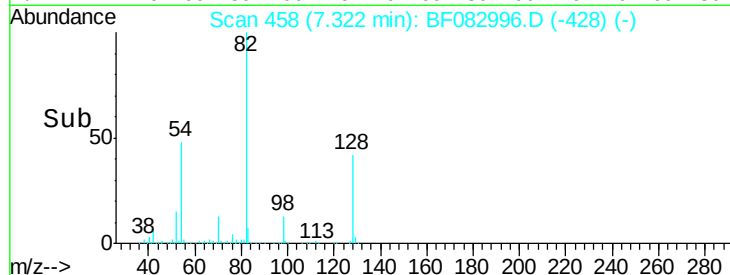
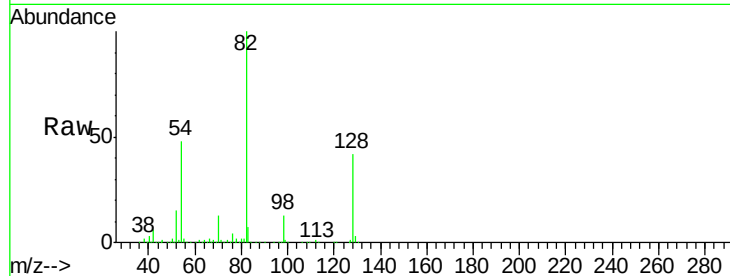
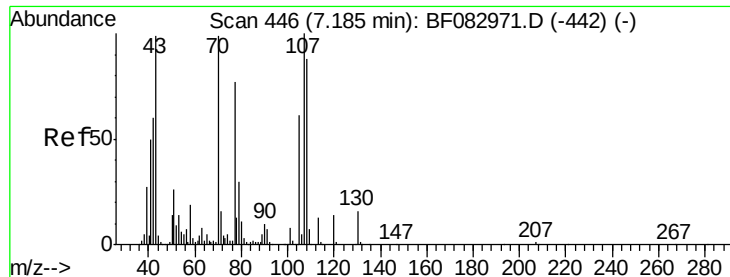
Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Tgt Ion: 77 Resp: 31955

Ion	Ratio	Lower	Upper
77	100		
105	70.4	63.5	103.5
106	61.8	59.3	99.3

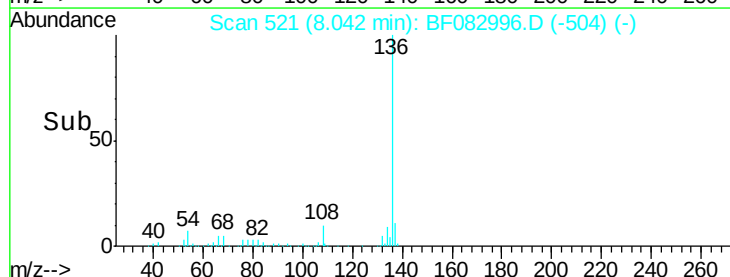
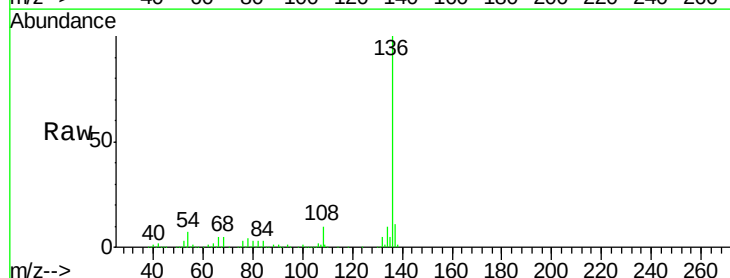
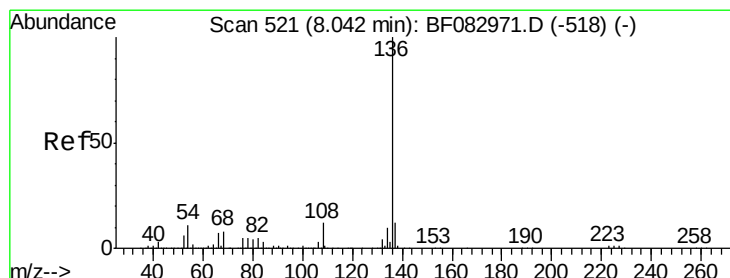
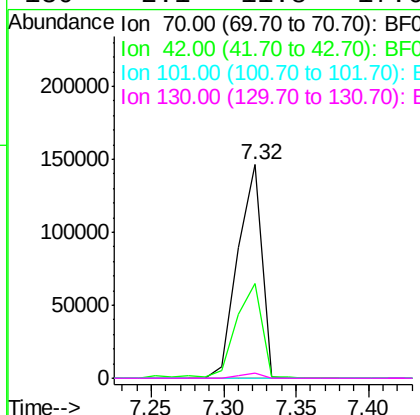




#19
n-Nitroso-di-n-propylamine
Concen: 16.65 ng
RT: 7.32 min Scan# 458
Delta R.T. 0.05 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

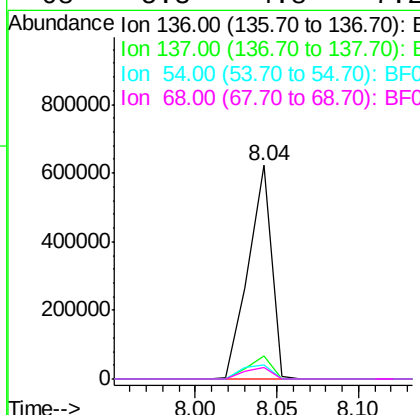
Instrument :
BNA_F
ClientSampleId :

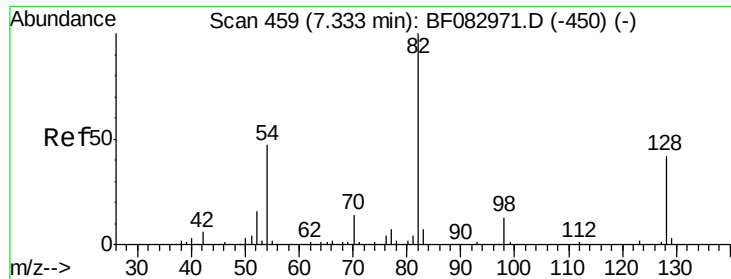
Tot Ion:	70	Resp:	168196
Ion	Ratio	Lower	Upper
70	100		
42	44.1	57.7	86.5#
101	0.0	7.0	10.6#
130	2.1	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.10 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Tgt Ion:	136	Resp:	618533
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.7	9.1	13.7#
68	5.3	4.8	7.2

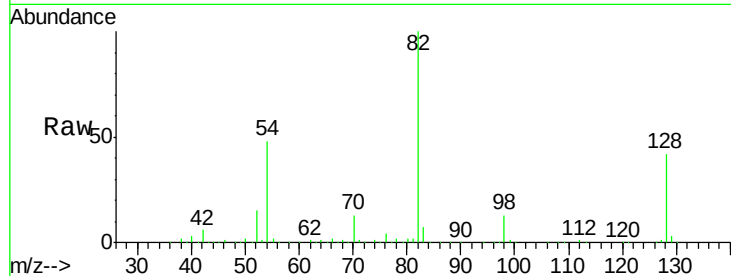




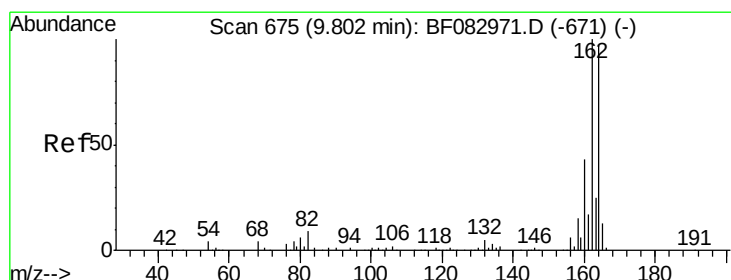
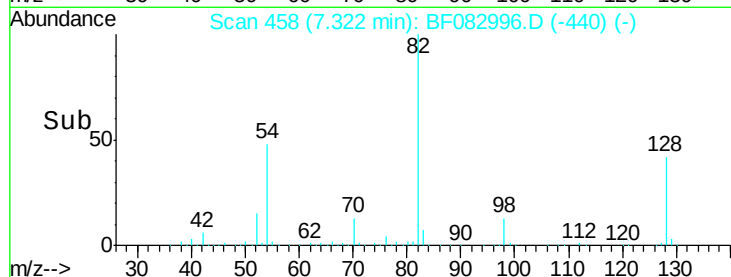
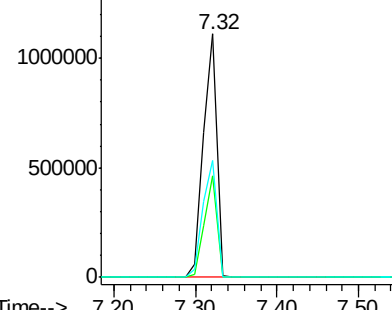
#23
 Nitrobenzene-d5
 Concen: 88.74 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.09 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1261471
 Ion Ratio Lower Upper
 82 100
 128 41.5 26.8 40.2#
 54 48.2 45.7 68.5

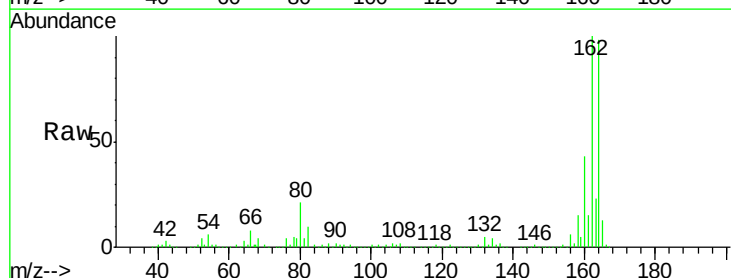


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

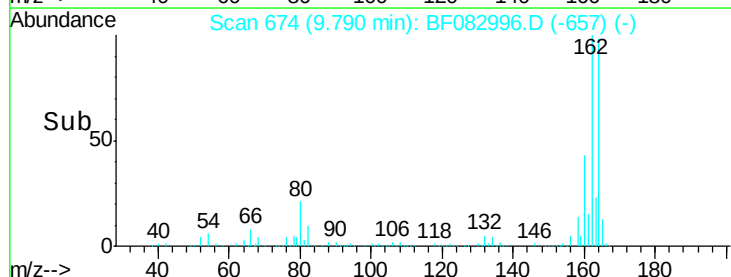
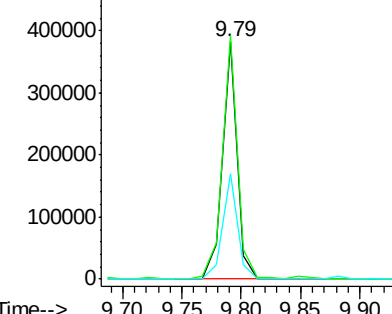


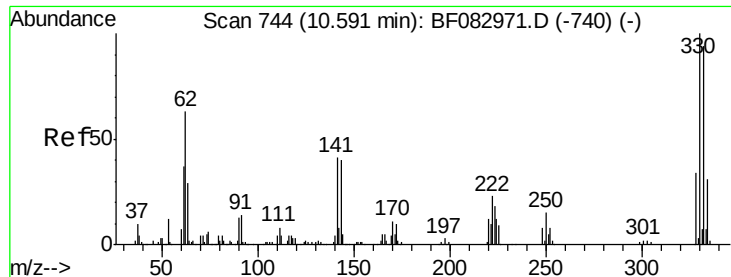
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion:164 Resp: 329394
 Ion Ratio Lower Upper
 164 100
 162 102.4 84.9 127.3
 160 44.1 37.5 56.3



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

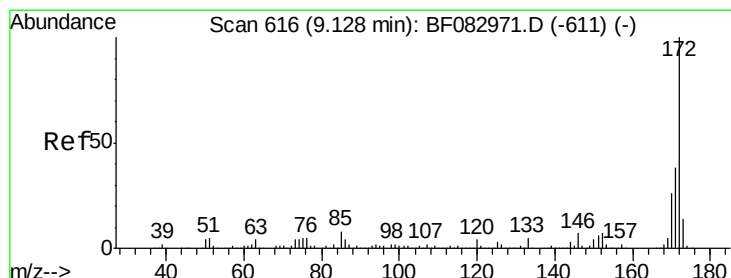
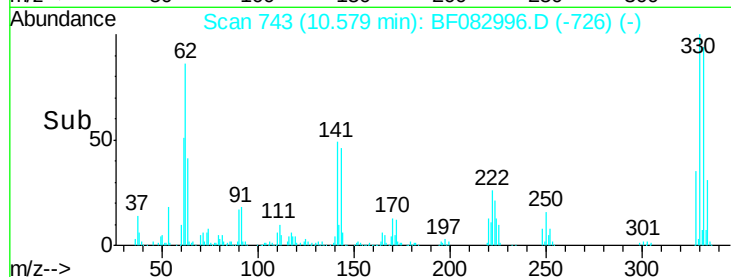
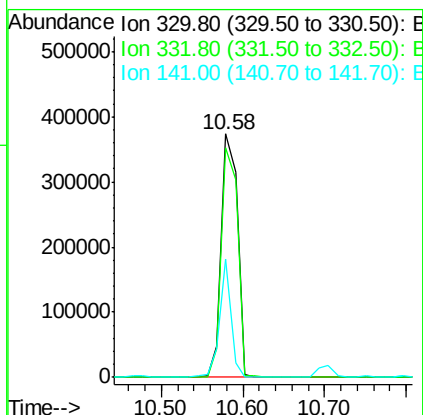
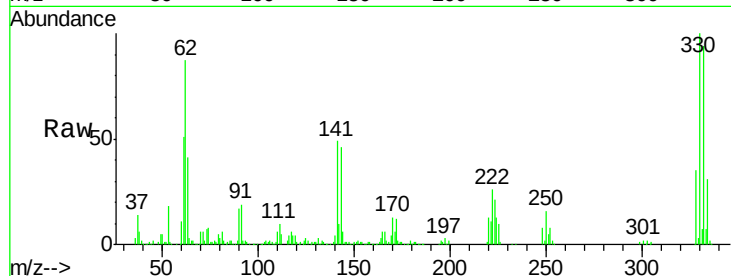




#41
 2,4,6-Tribromophenol
 Concen: 136.11 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

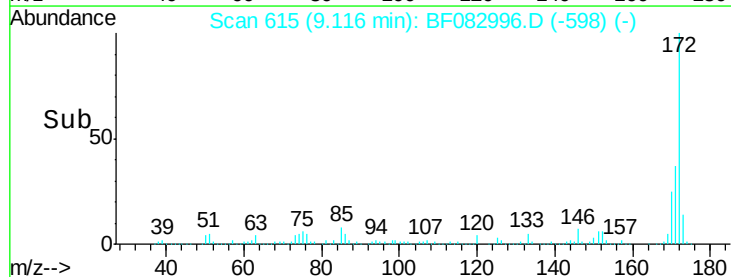
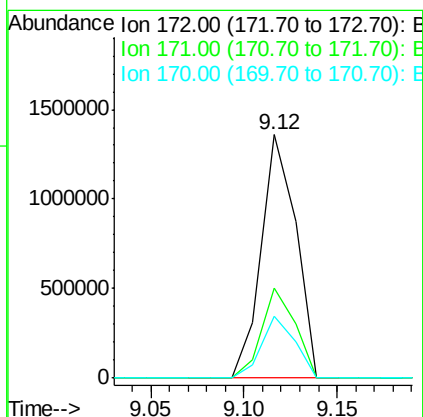
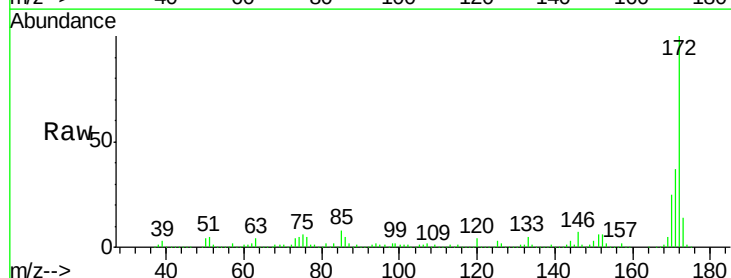
Instrument :
 BNA_F
 ClientSampleID :

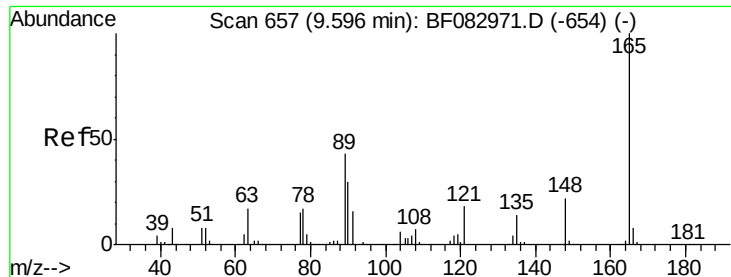
Tot Ion:330 Resp: 514058
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.6 114.8
 141 34.2 41.2 61.8#



#44
 2-Fluorobiphenyl
 Concen: 76.00 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion:172 Resp: 1746769
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.8 46.2
 170 25.3 21.2 31.8

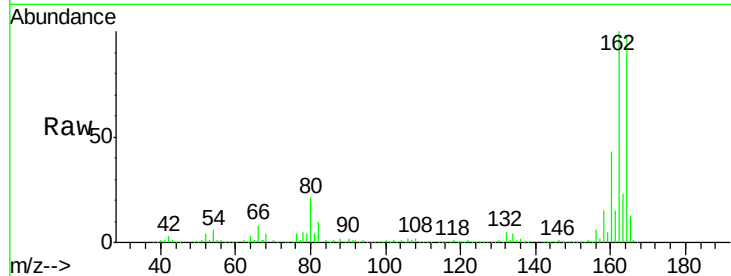




#50
2,6-Dinitrotoluene
Concen: 7.56 ng
RT: 9.79 min Scan# 674
Delta R.T. 0.11 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Instrument :
BNA_F
ClientSampleId :

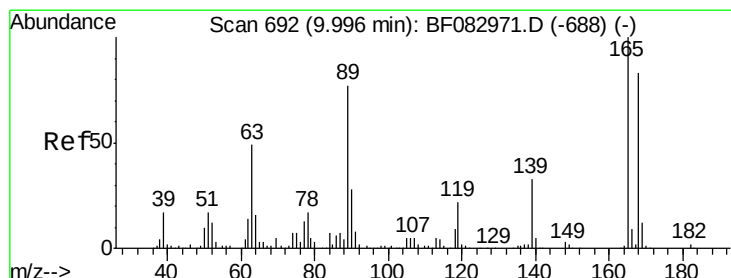
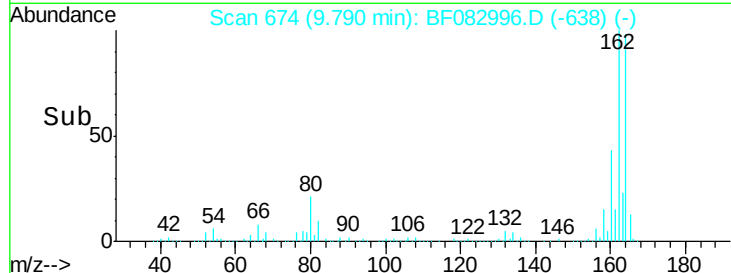
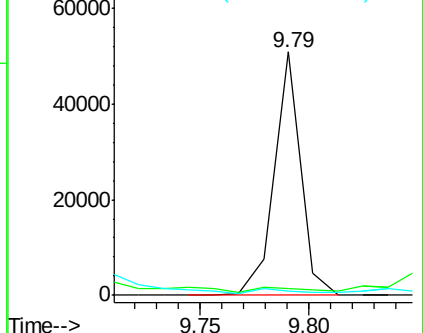
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	55.5	83.3#
89	1.7	55.0	82.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
2,4-Dinitrotoluene
Concen: 5.57 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.29 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

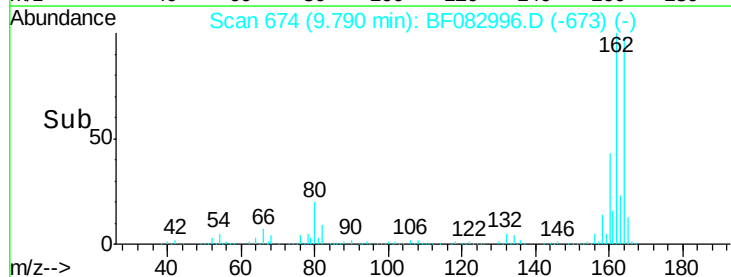
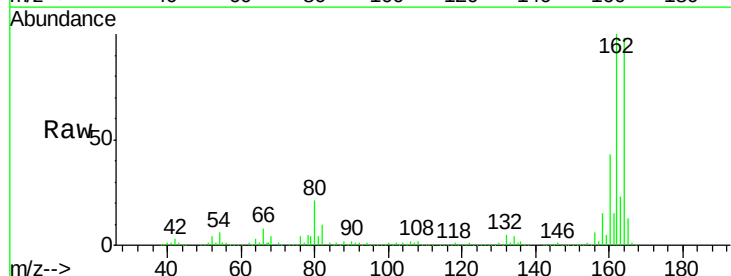
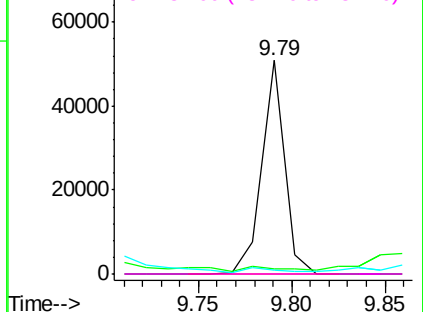
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	43.4	65.0#
89	1.7	70.6	106.0#
182	0.0	1.5	2.3#

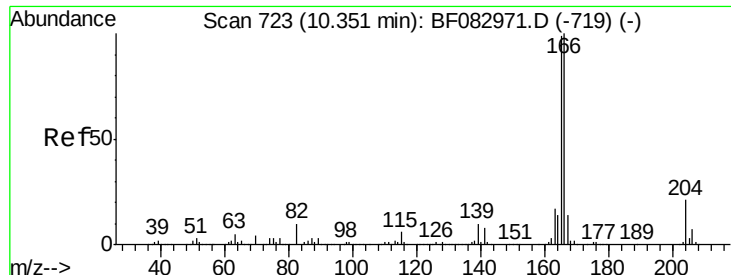
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

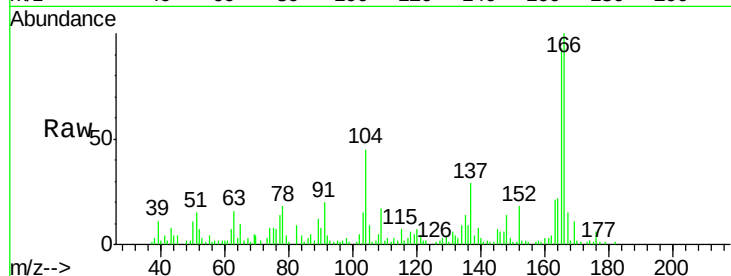




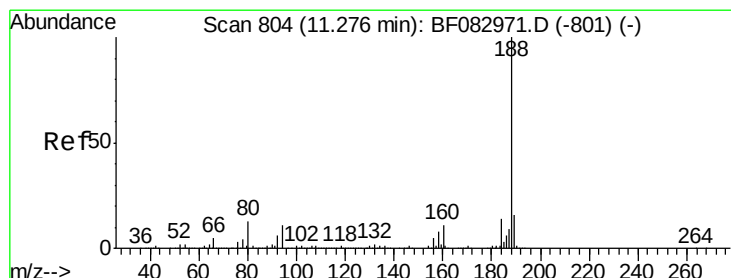
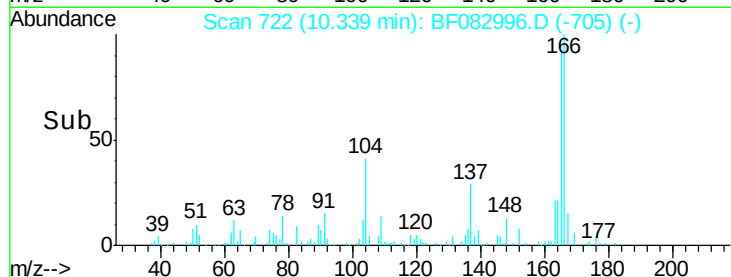
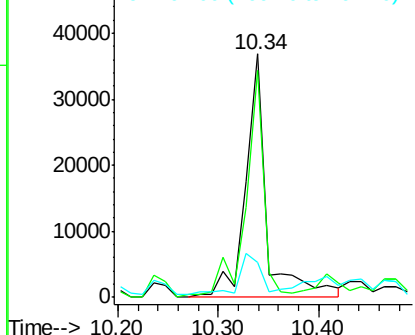
#57
 Fluorene
 Concen: 2.25 ng
 RT: 10.34 min Scan# 722
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 53733
 Ion Ratio Lower Upper
 166 100
 165 93.2 80.2 120.4
 167 14.5 11.2 16.8

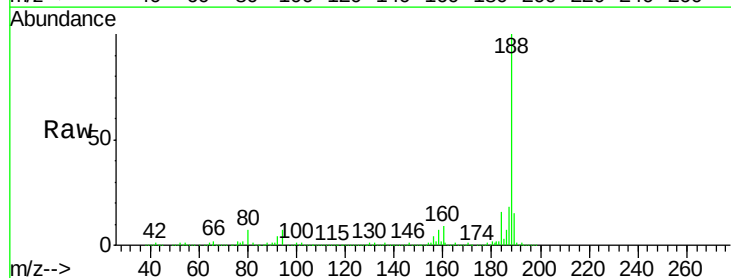


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

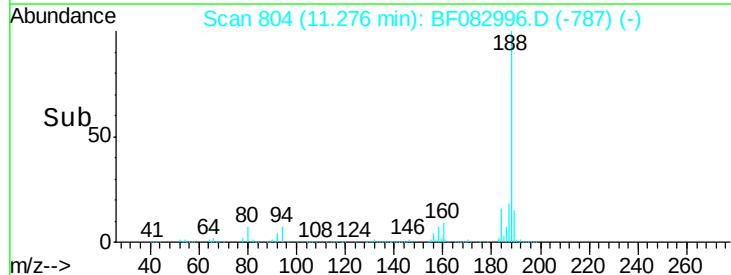
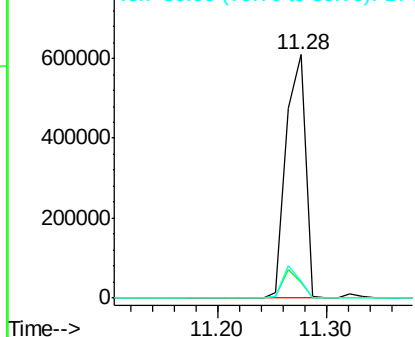


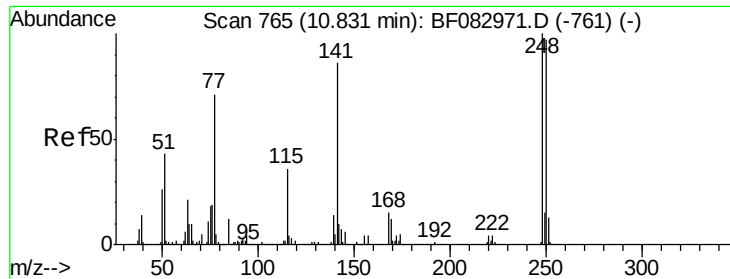
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion:188 Resp: 760222
 Ion Ratio Lower Upper
 188 100
 94 6.6 6.1 9.1
 80 7.2 7.0 10.6



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

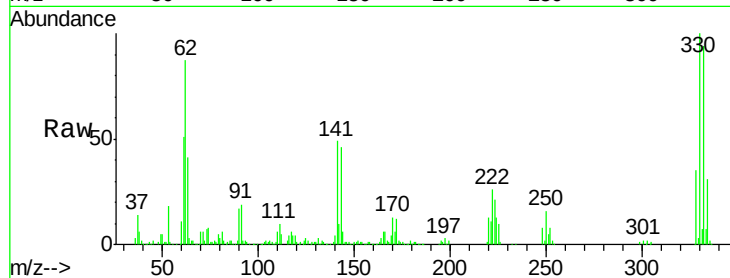




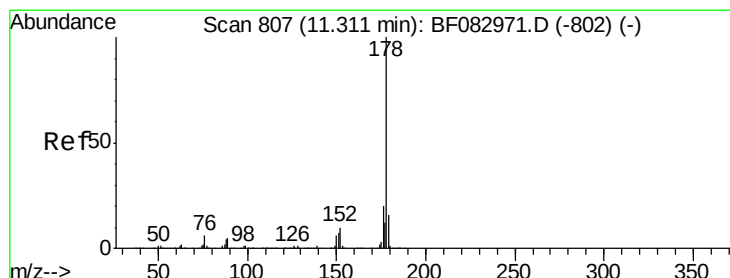
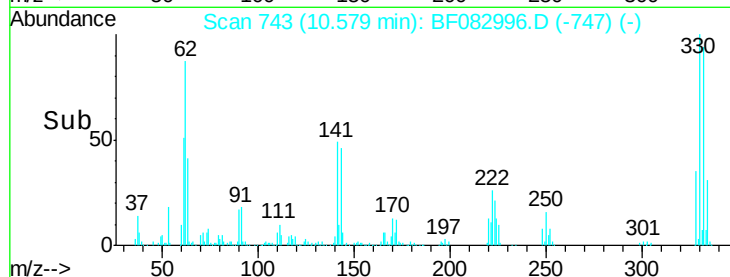
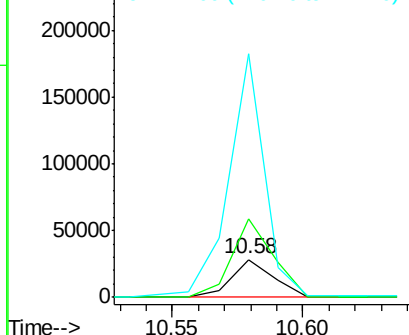
#66
4-Bromophenyl-phenylether
Concen: 3.45 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.34 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 31626
Ion Ratio Lower Upper
248 100
250 210.2 79.4 119.2#
141 647.4 36.3 54.5#

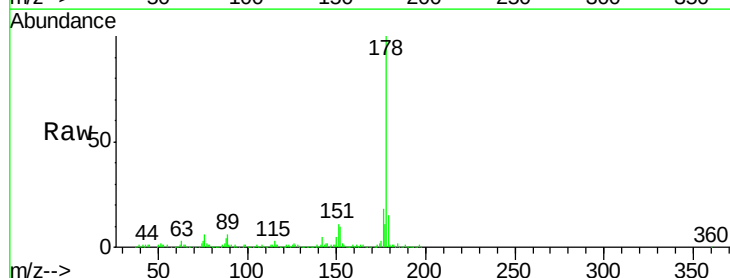


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

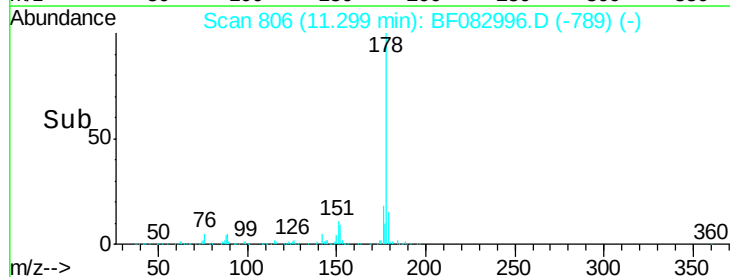
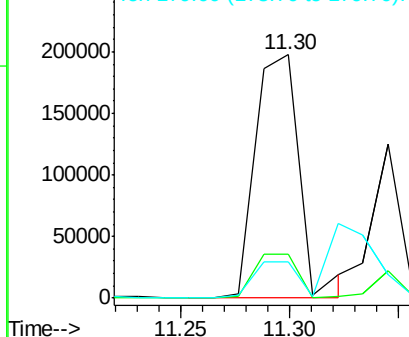


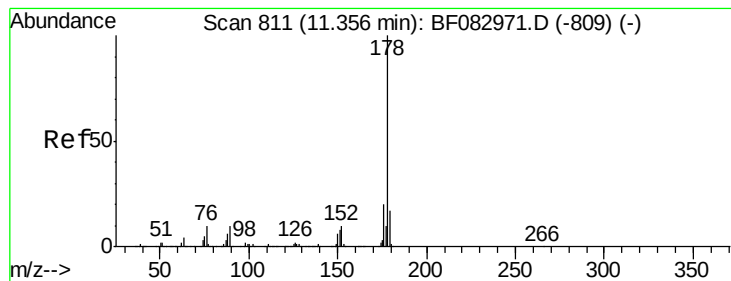
#70
Phenanthrene
Concen: 6.32 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.10 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Tgt Ion:178 Resp: 278828
Ion Ratio Lower Upper
178 100
176 18.3 17.0 25.4
179 15.1 13.4 20.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.64 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.10 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Instrument :

BNA_F

ClientSampled :

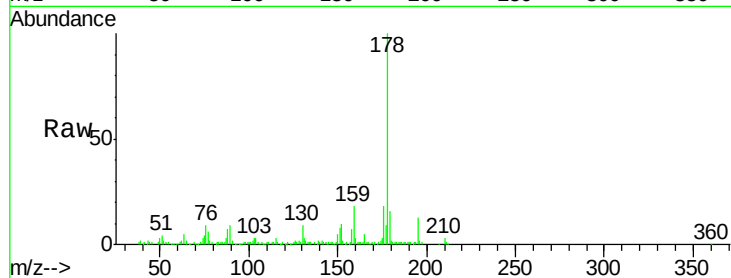
Tot Ion:178 Resp: 122590

Ion Ratio Lower Upper

178 100

176 18.0 16.5 24.7

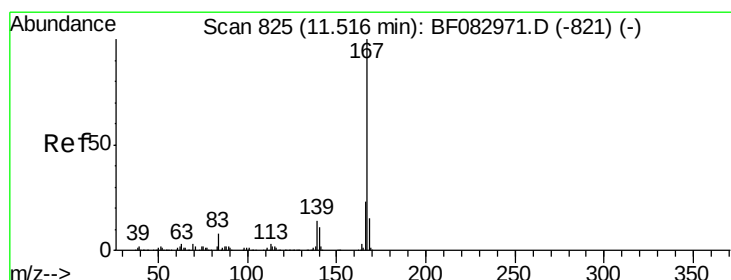
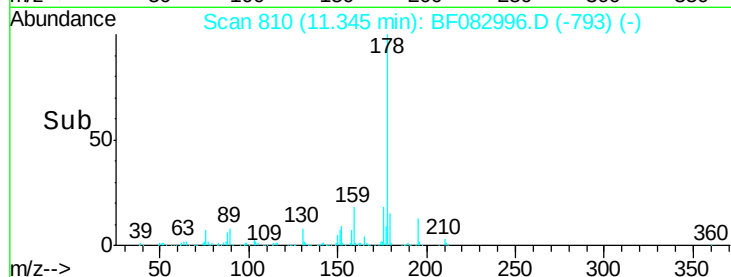
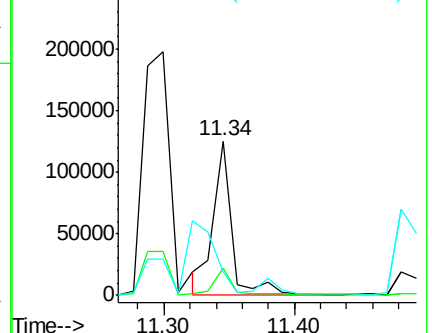
179 15.6 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 12.76 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.10 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

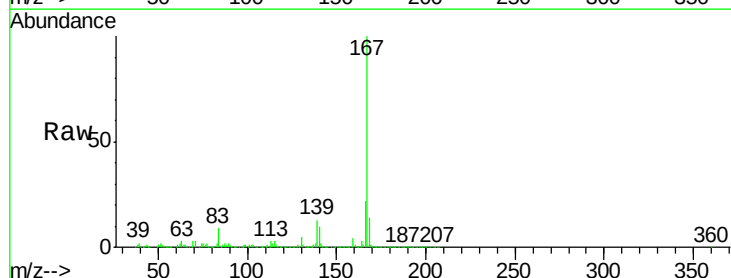
Tgt Ion:167 Resp: 519489

Ion Ratio Lower Upper

167 100

166 21.7 18.7 28.1

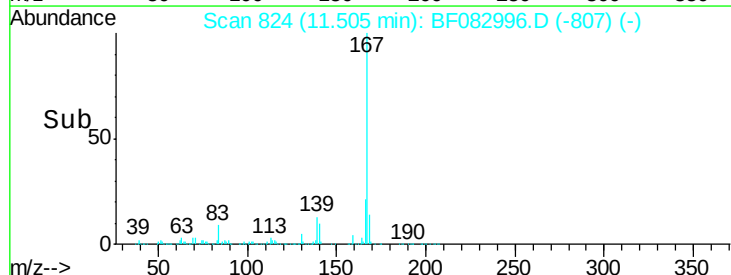
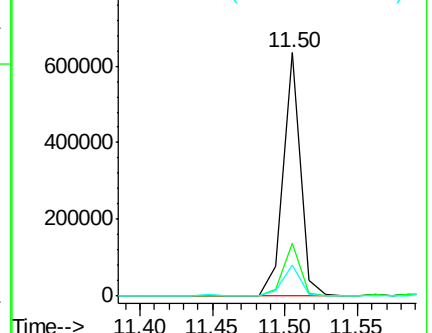
139 12.8 11.8 17.6

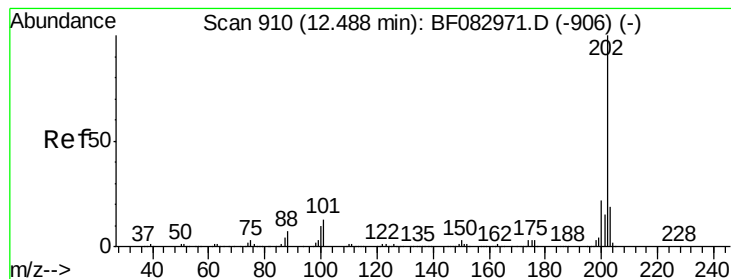


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

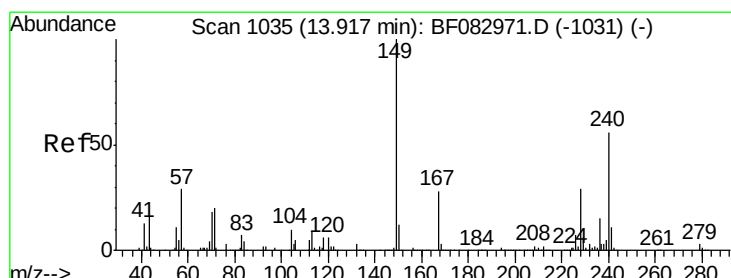
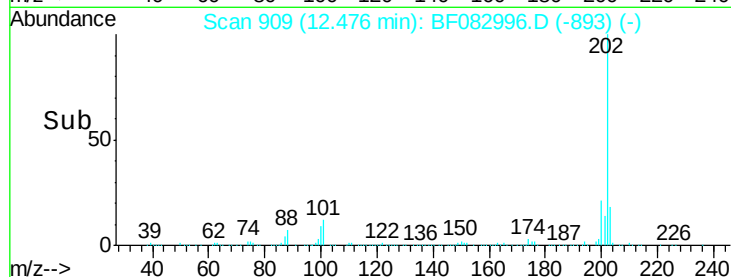
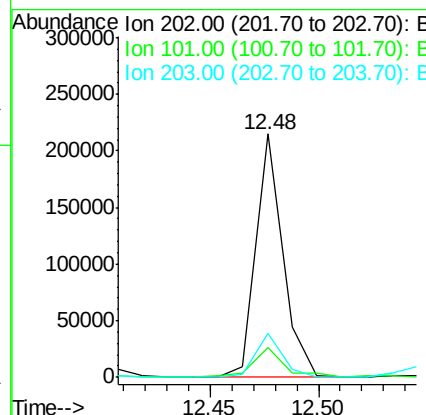
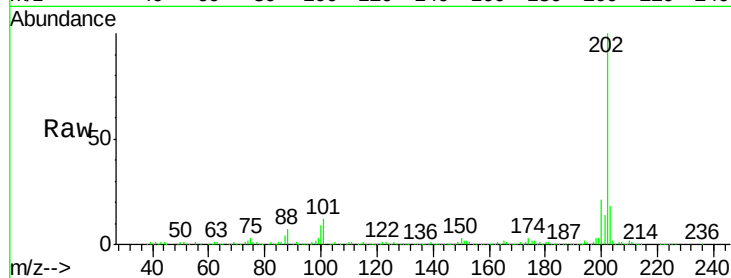




#74
Fluoranthene
Concen: 3.88 ng
RT: 12.48 min Scan# 909
Delta R.T. -0.11 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

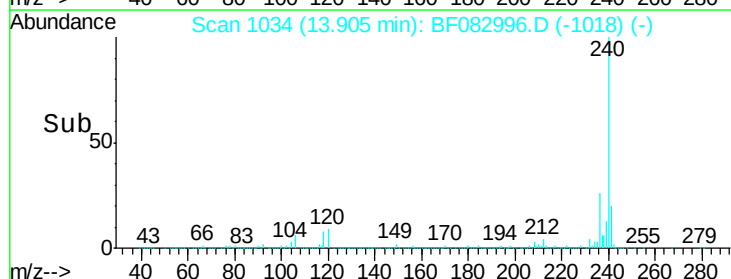
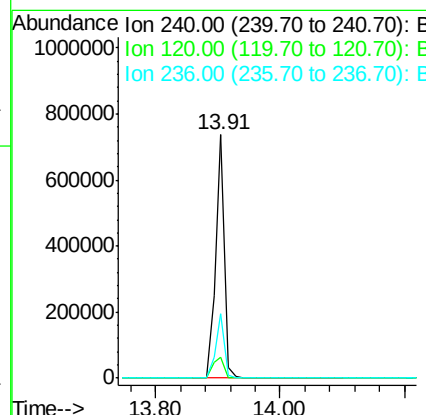
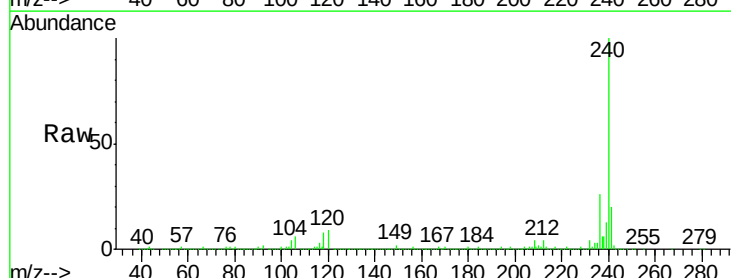
Instrument :
BNA_F
ClientSampled :

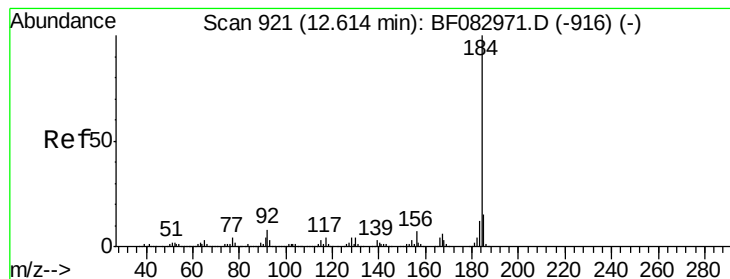
Tot Ion	Ratio	Resp	Lower	Upper
202	100	183999		
101	12.2		0.0	30.5
203	18.0		0.0	38.5



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.11 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	711983		
120	8.7		10.9	16.3#
236	26.5		21.6	32.4





#76

Benzidine

Concen: 3.67 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.05 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Instrument :

BNA_F

ClientSampled :

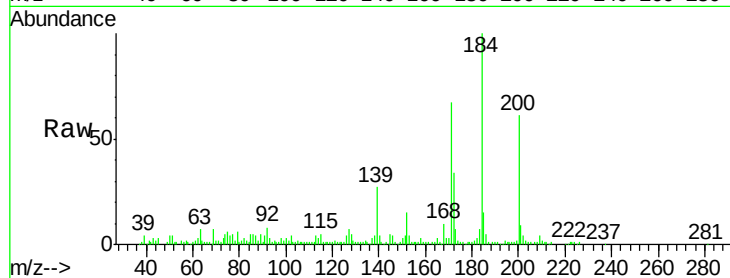
Tot Ion:184 Resp: 87479

Ion Ratio Lower Upper

184 100

185 15.5 12.0 18.0

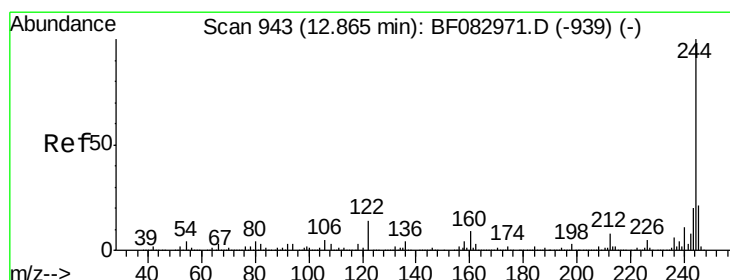
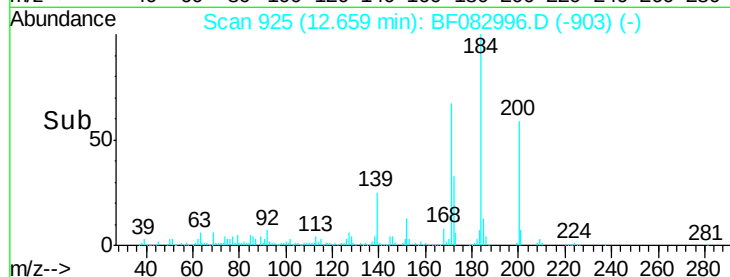
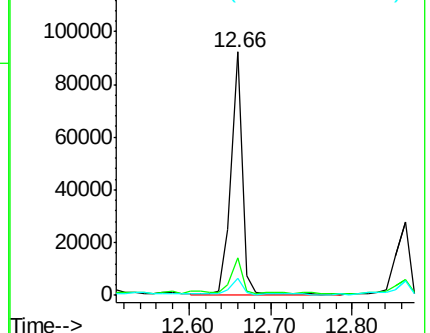
183 7.3 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 69.57 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.10 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

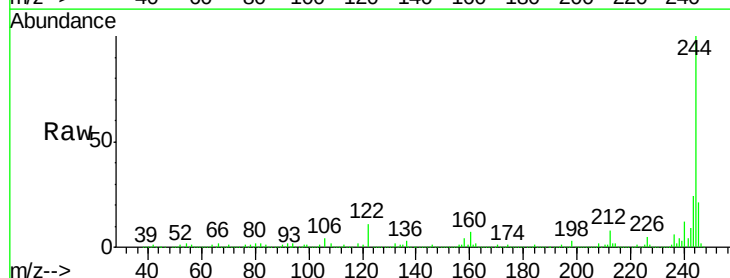
Tgt Ion:244 Resp: 2088496

Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

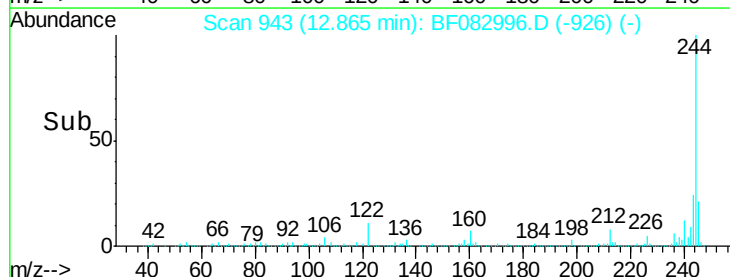
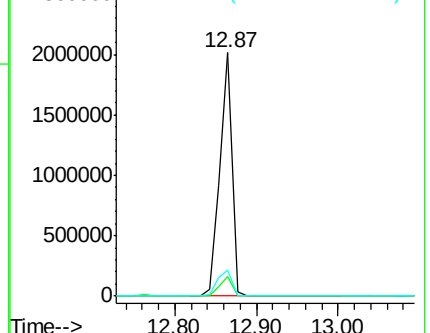
122 10.8 11.3 16.9#

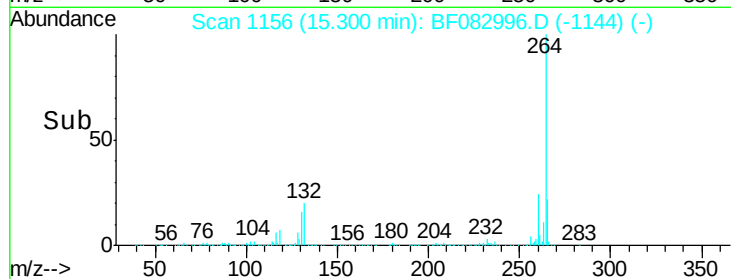
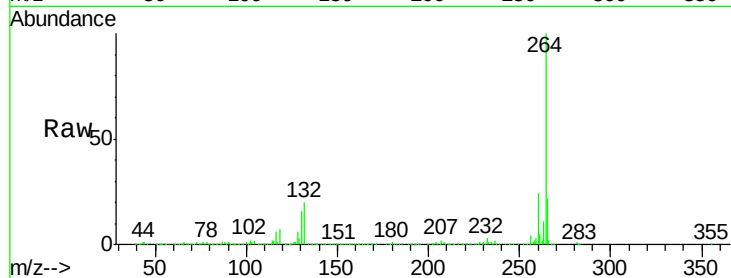
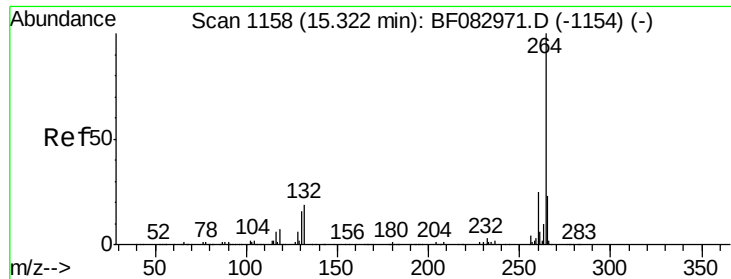


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.16 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	21.7	17.4	26.0

