

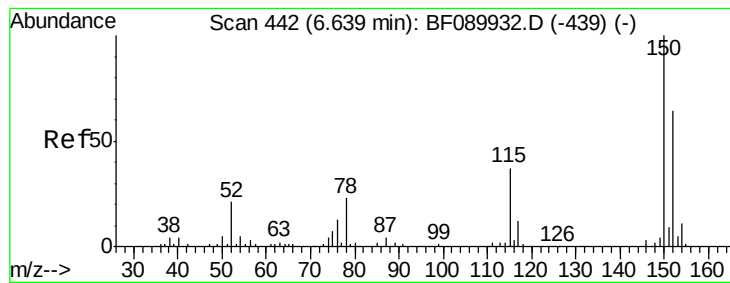
Data Path : Z:\HPCHEM1\BNA F\DATA\BF090616\
 Data File : BF089992.D
 Acq On : 6 Sep 2016 17:04
 Operator : UM/SJ
 Sample : PB93246BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 17:31:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 13:29:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	219576	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	881005	20.00	ng	-0.03
38) Acenaphthene-d10	9.64	164	470604	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	963421	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	778918	20.00	ng	-0.03
86) Perylene-d12	15.07	264	630737	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1669700	121.72	ng	0.00
7) Phenol-d6	6.27	99	2142968	128.56	ng	-0.01
23) Nitrobenzene-d5	7.19	82	1234650	81.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	488483	105.21	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	2081125	72.59	ng	-0.02
78) Terphenyl-d14	12.71	244	2310378	73.27	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	164530	15.15	ng	# 79
25) Isophorone	7.19	82	1174328	38.02	ng	# 65
50) 2,6-Dinitrotoluene	9.64	165	59712	7.89	ng	# 26
56) 2,4-Dinitrotoluene	9.64	165	59715	6.22	ng	# 29
66) 4-Bromophenyl-phenylether	10.43	248	35090	3.62	ng	# 1

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

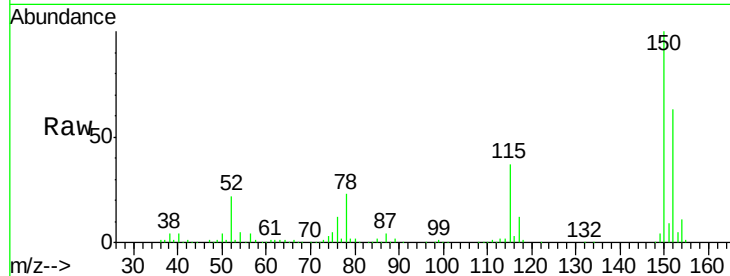


#1

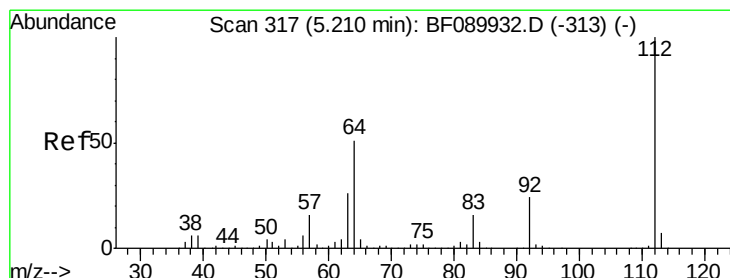
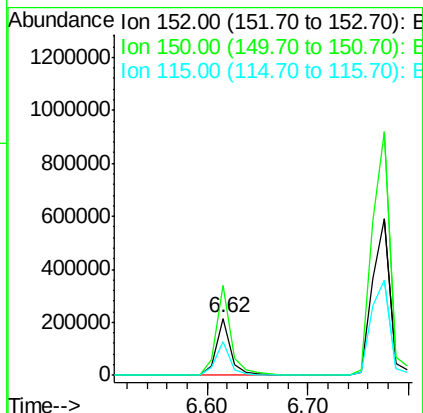
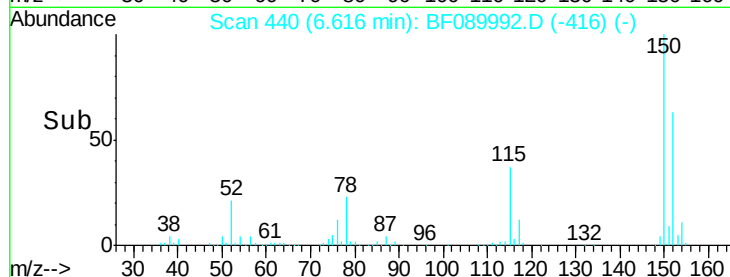
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF089992.D
Acq: 6 Sep 2016 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 219576
Ion Ratio Lower Upper
152 100
150 159.2 127.4 191.2
115 58.6 46.3 69.5



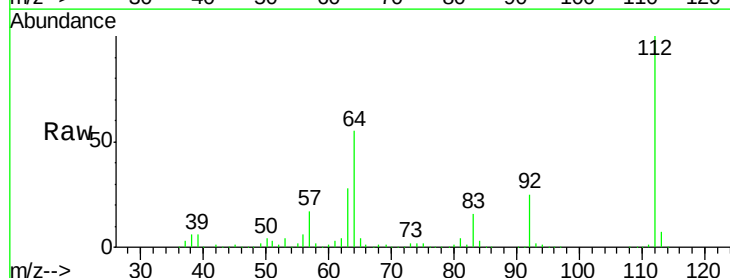
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



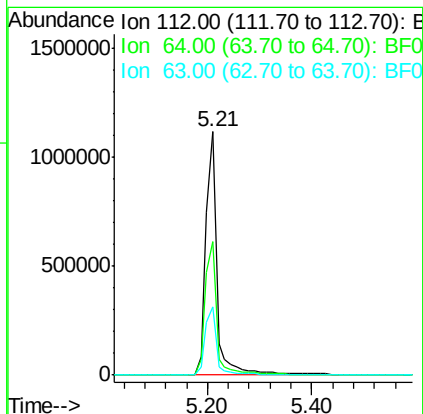
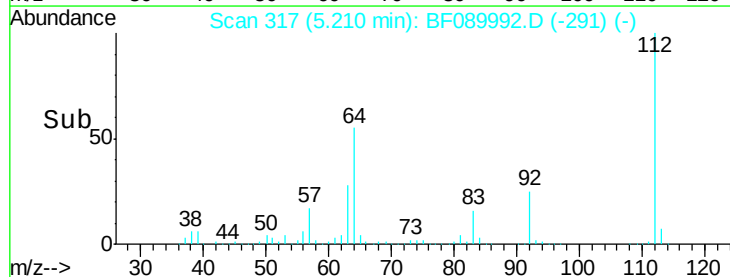
#5

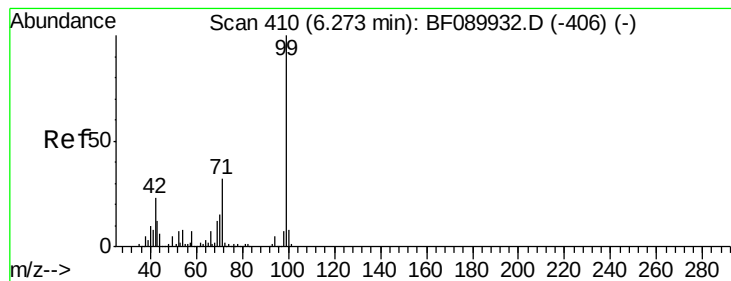
2-Fluorophenol
Concen: 121.72 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.00 min
Lab File: BF089992.D
Acq: 6 Sep 2016 17:04

Tgt Ion:112 Resp: 1669700
Ion Ratio Lower Upper
112 100
64 54.7 41.1 61.7
63 28.0 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: 128.56 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

Instrument :

BNA_F

ClientSampleId :

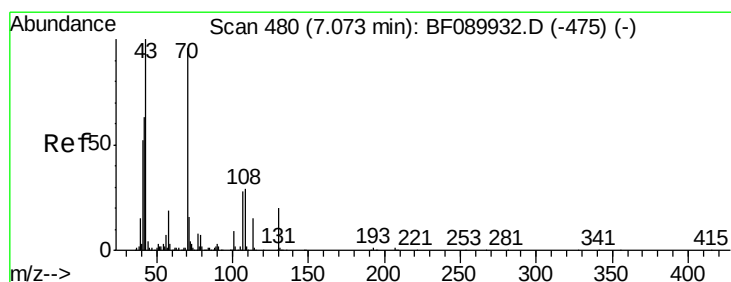
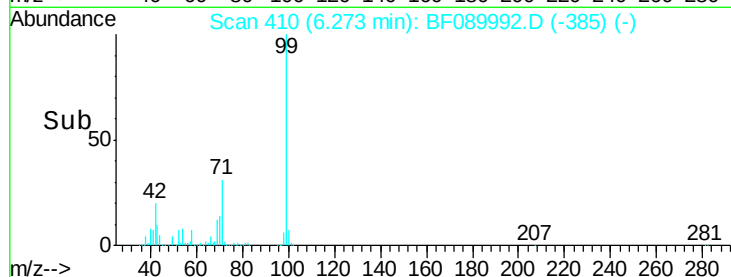
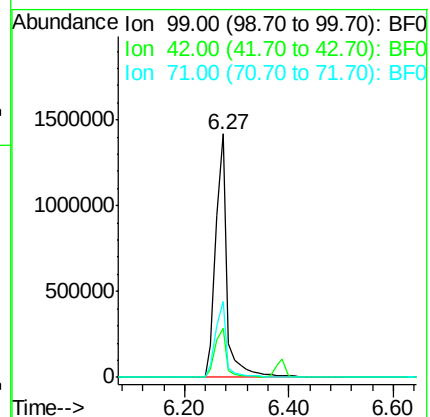
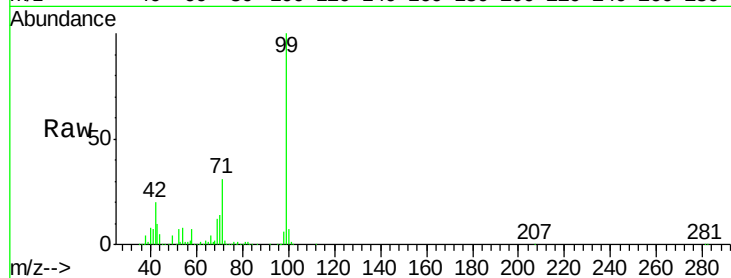
Tot Ion: 99 Resp: 2142968

Ion Ratio Lower Upper

99 100

42 20.2 18.6 27.8

71 31.1 25.8 38.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.15 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.11 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

Tgt Ion: 70 Resp: 164530

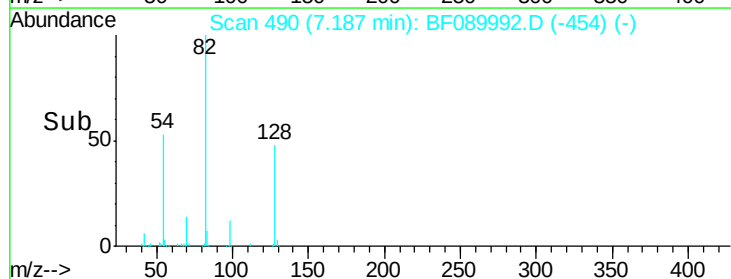
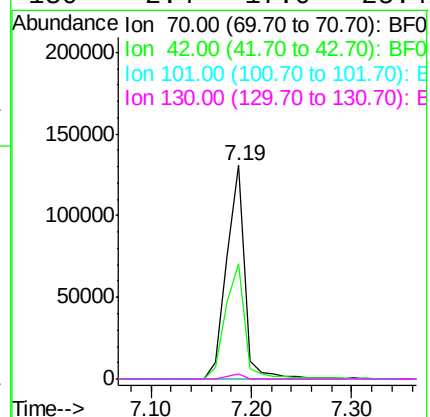
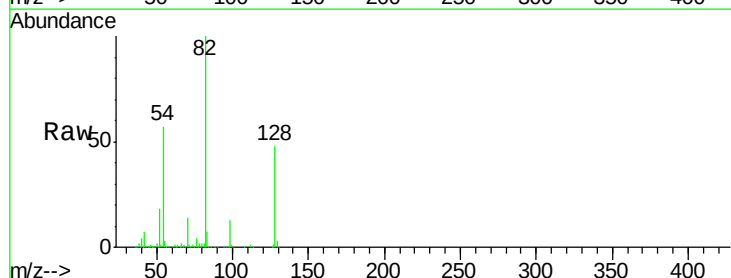
Ion Ratio Lower Upper

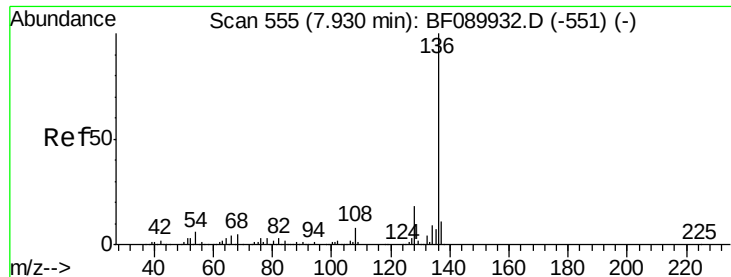
70 100

42 54.0 52.1 78.1

101 0.0 7.4 11.2#

130 2.4 17.0 25.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.03 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 881005

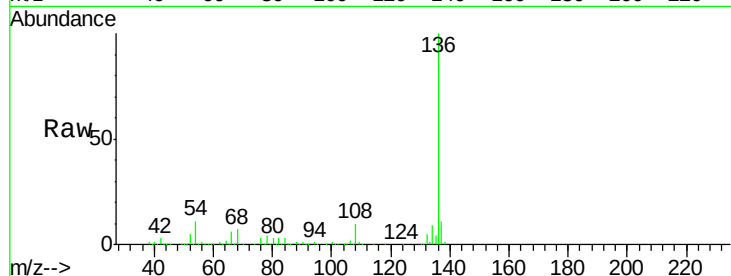
Ion Ratio Lower Upper

136 100

137 11.3 8.3 12.5

54 10.9 4.8 7.2#

68 7.3 3.7 5.5#

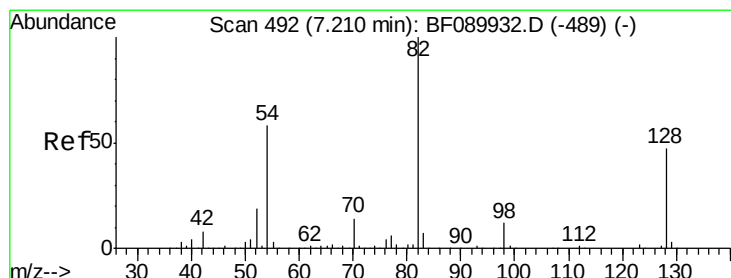
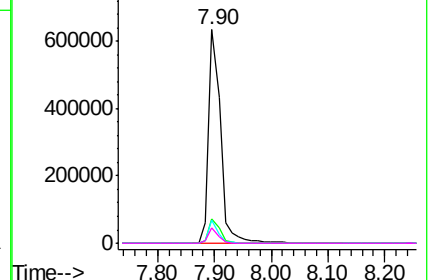
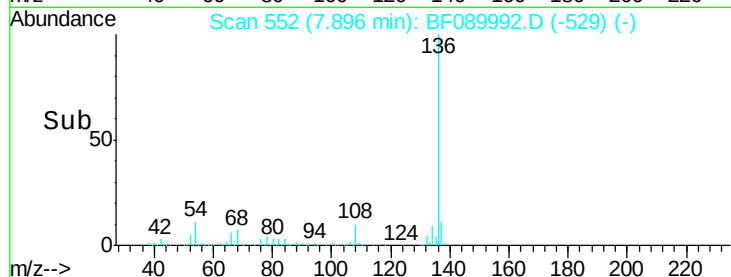


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 81.28 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

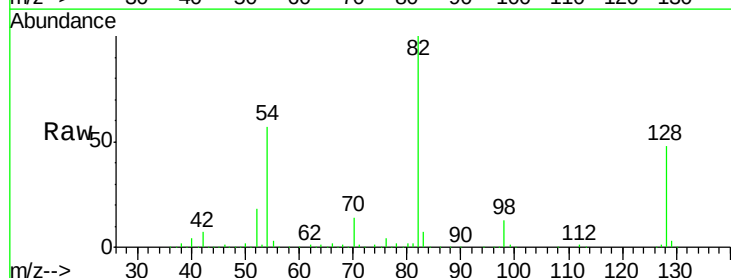
Tgt Ion: 82 Resp: 1234650

Ion Ratio Lower Upper

82 100

128 48.3 37.8 56.8

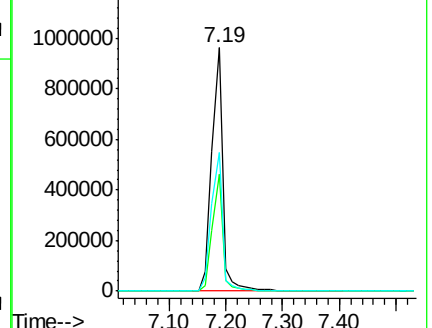
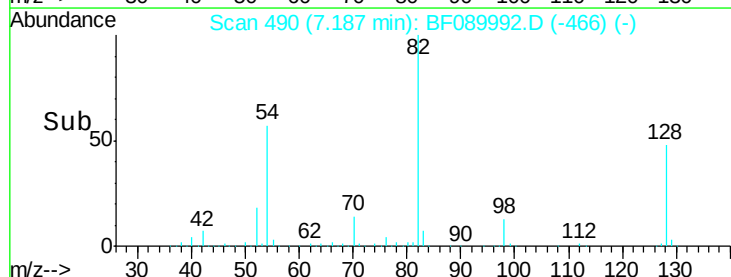
54 57.0 46.9 70.3

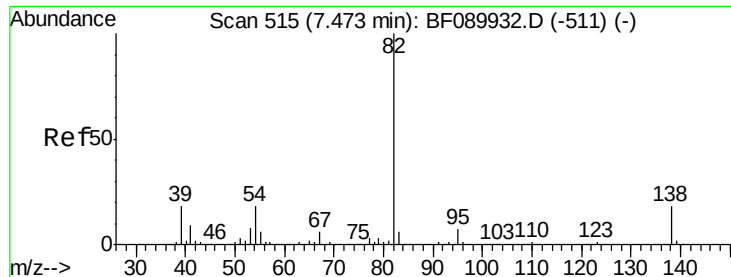


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 38.02 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.29 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

Instrument :

BNA_F

ClientSampleId :

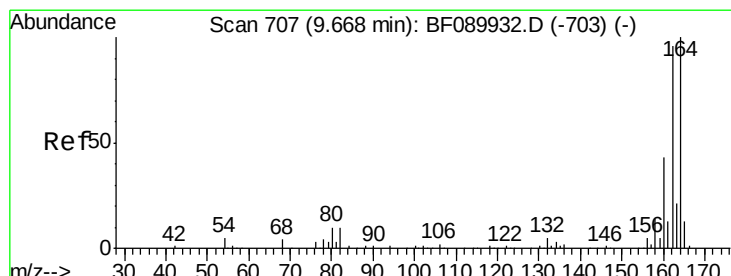
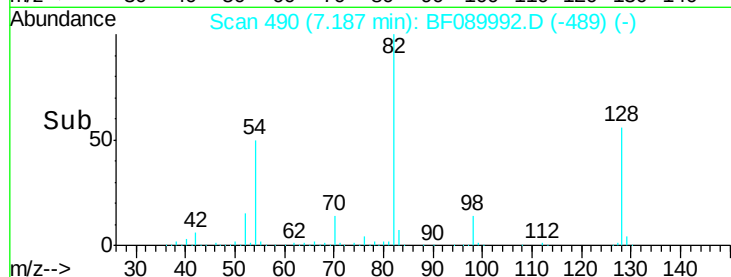
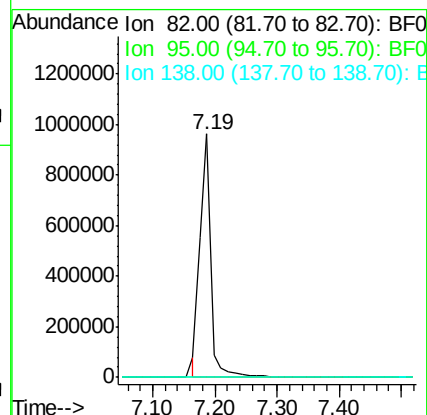
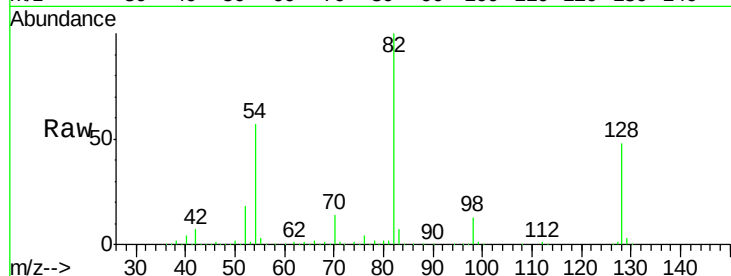
Tot Ion: 82 Resp: 1174328

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

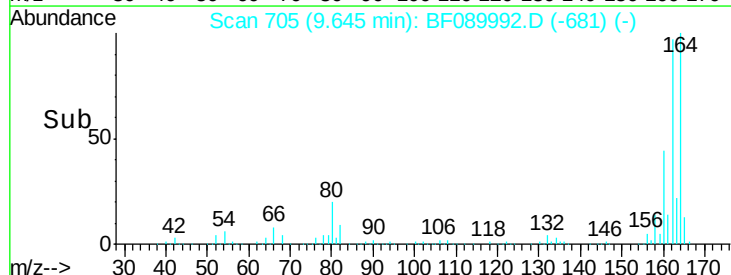
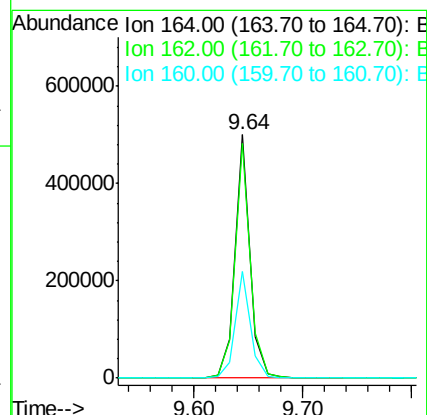
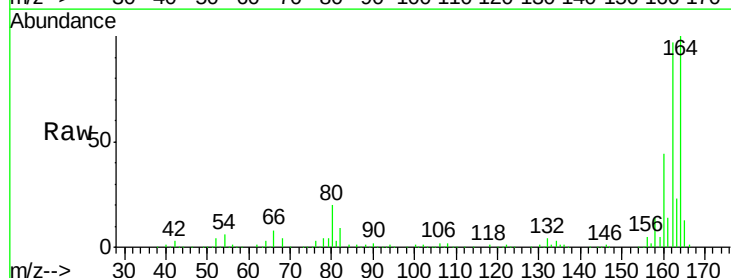
Tgt Ion: 164 Resp: 470604

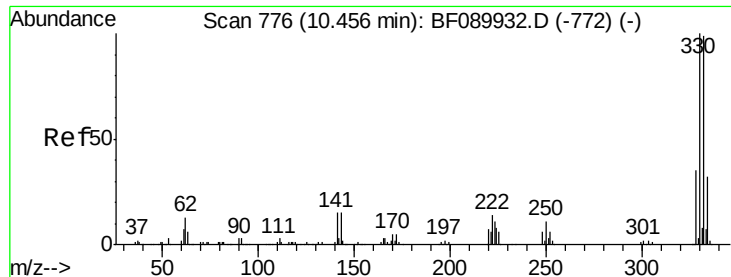
Ion Ratio Lower Upper

164 100

162 96.6 77.1 115.7

160 43.6 35.3 52.9

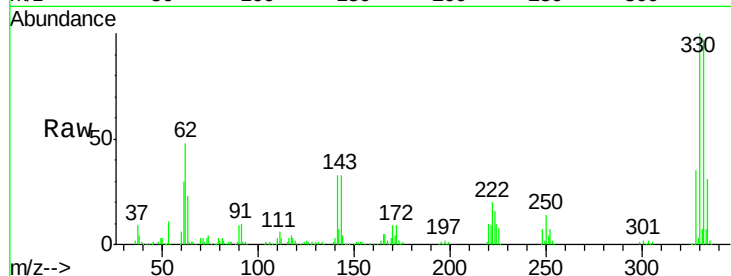




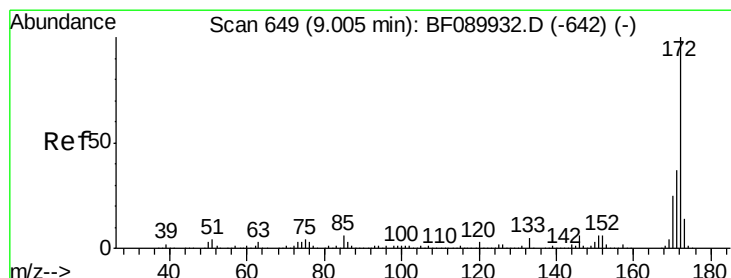
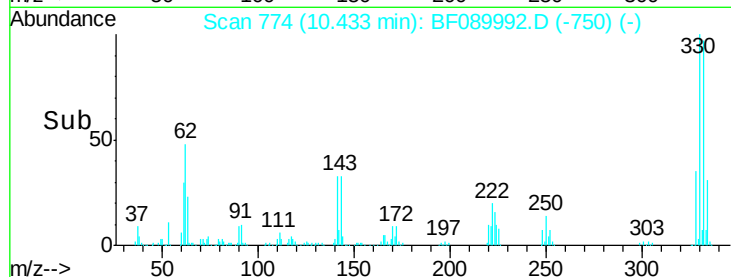
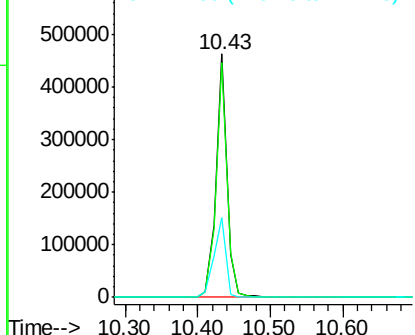
#41
 2,4,6-Tribromophenol
 Concen: 105.21 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: BF089992.D
 Acq: 6 Sep 2016 17:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.6	117.8
141	35.3	23.3	34.9

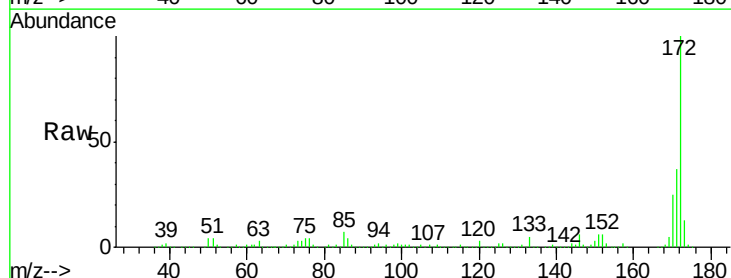


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

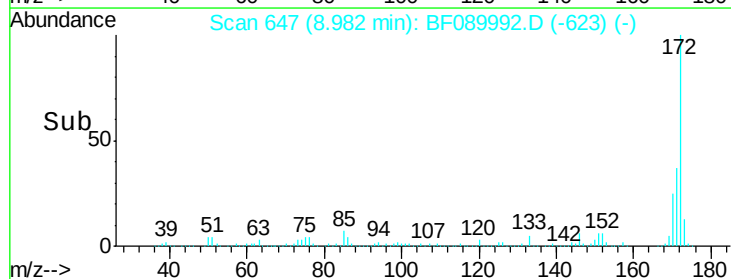
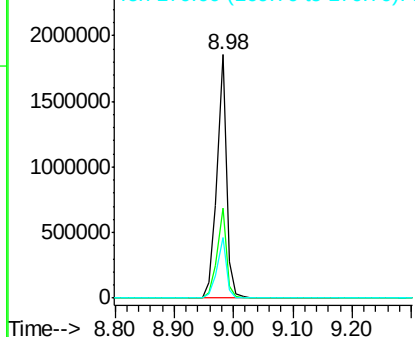


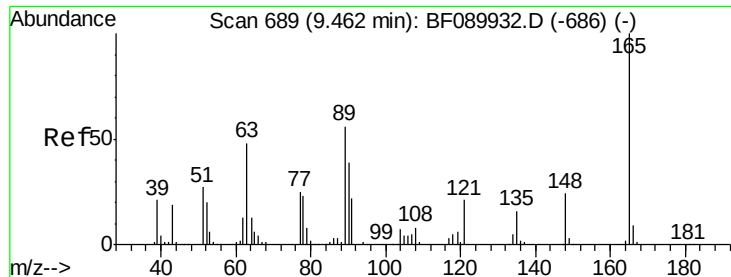
#44
 2-Fluorobiphenyl
 Concen: 72.59 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: BF089992.D
 Acq: 6 Sep 2016 17:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	25.1	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

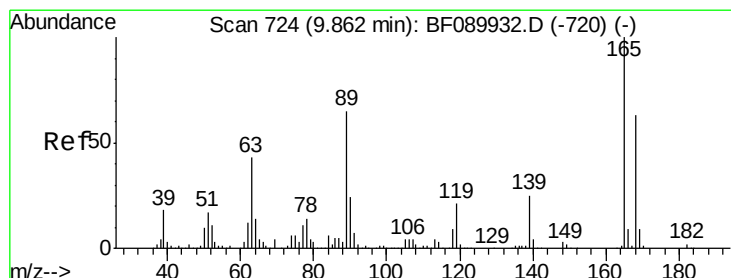
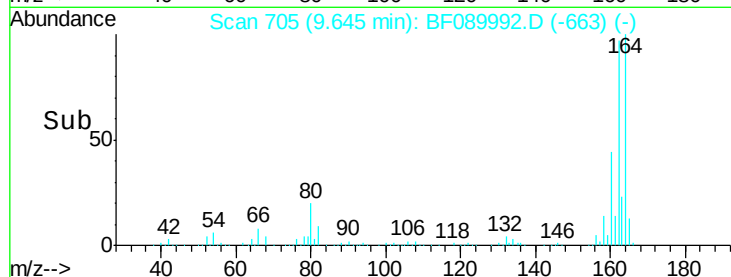
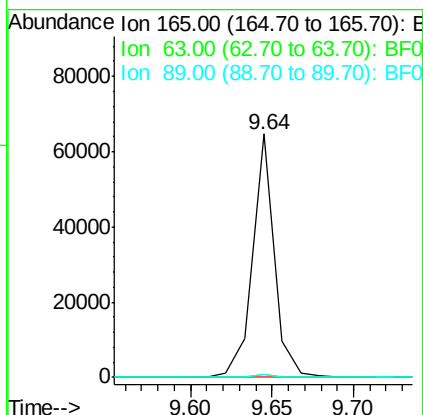
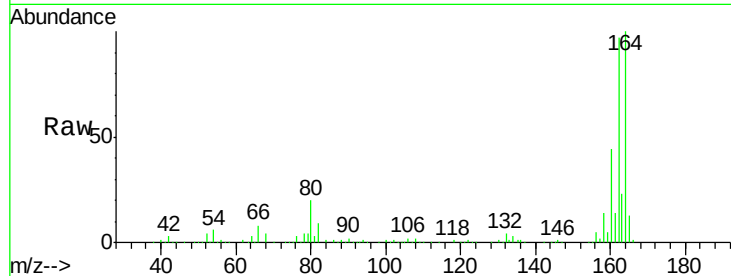




#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.18 min
 Lab File: BF089992.D
 Acq: 6 Sep 2016 17:04

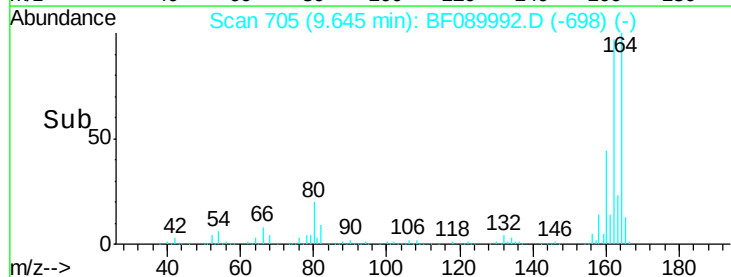
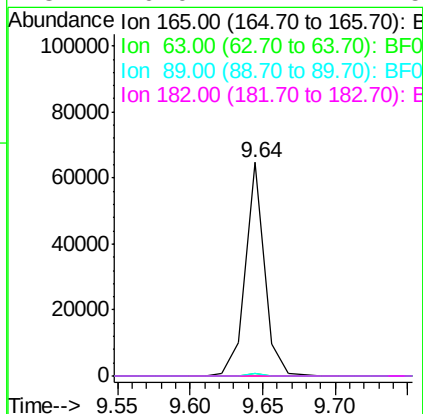
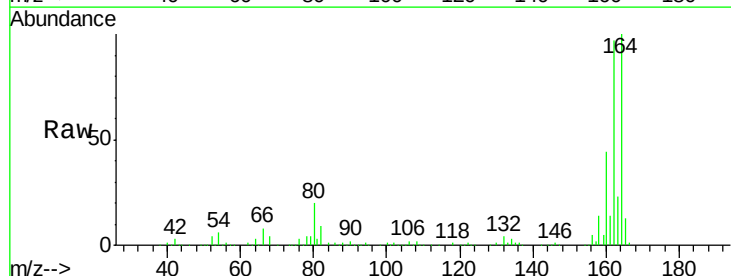
Instrument :
 BNA_F
 ClientSampleId :

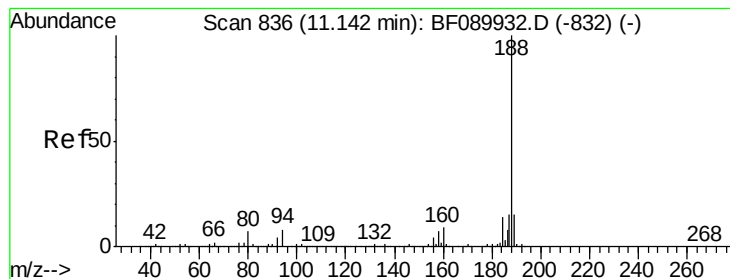
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	45.0	67.4#
89	1.2	41.5	62.3#



#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.22 min
 Lab File: BF089992.D
 Acq: 6 Sep 2016 17:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.5	48.7#
89	1.2	48.3	72.5#
182	0.0	1.7	2.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

Instrument :

BNA_F

ClientSampleId :

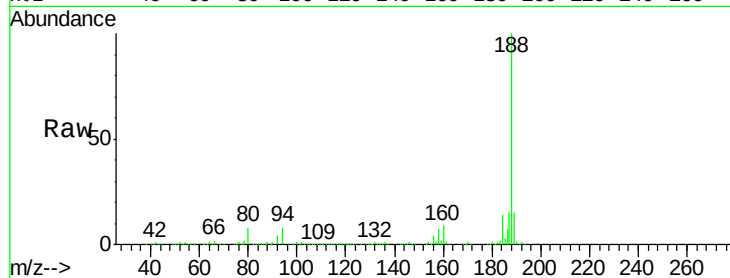
Tot Ion:188 Resp: 963421

Ion Ratio Lower Upper

188 100

94 8.0 5.9 8.9

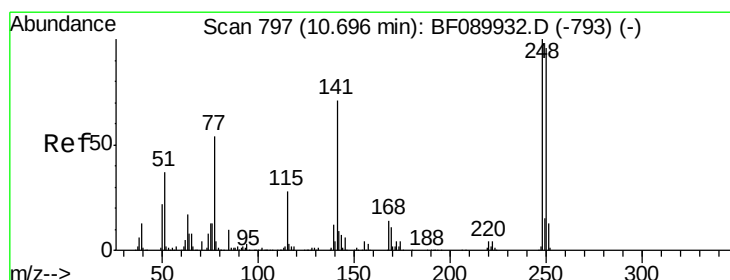
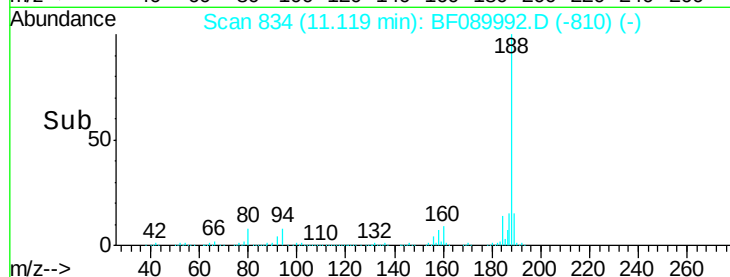
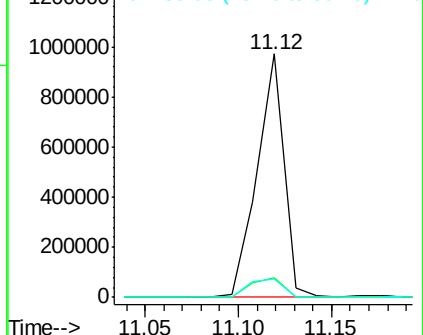
80 7.6 5.8 8.8



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: 3.62 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

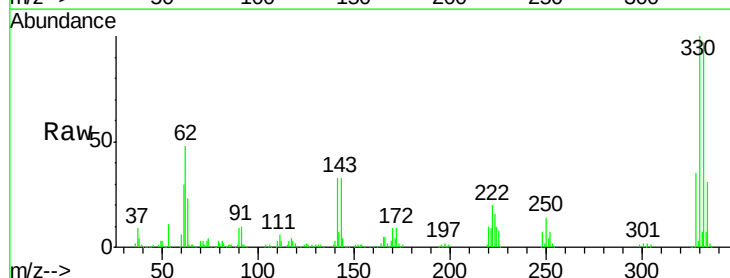
Tgt Ion:248 Resp: 35090

Ion Ratio Lower Upper

248 100

250 194.5 77.3 115.9#

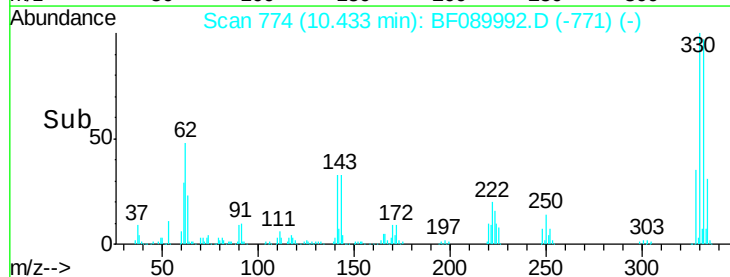
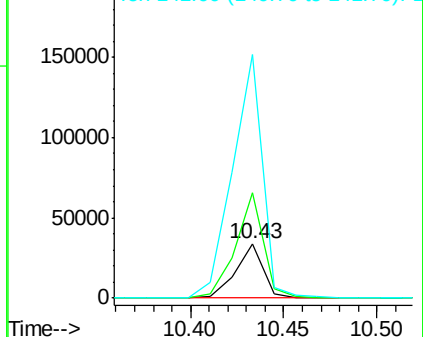
141 447.6 55.8 83.8#

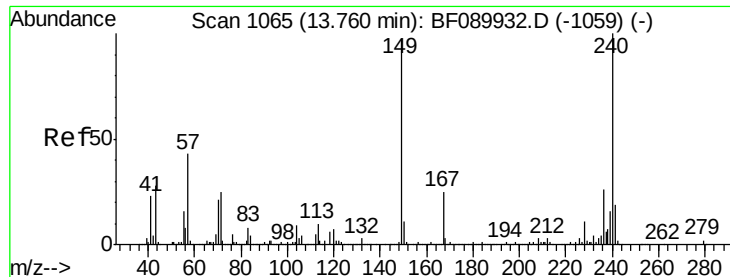


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.73 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

Instrument :

BNA_F

ClientSampleId :

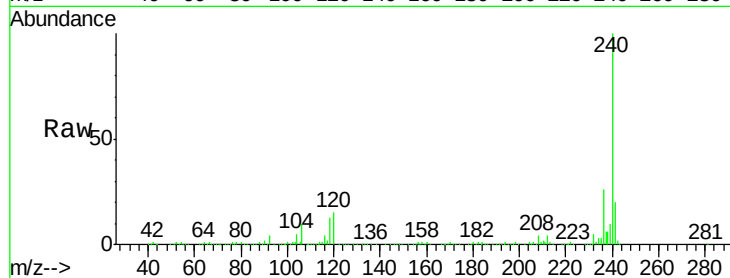
Tot Ion:240 Resp: 778918

Ion Ratio Lower Upper

240 100

120 15.0 5.7 8.5#

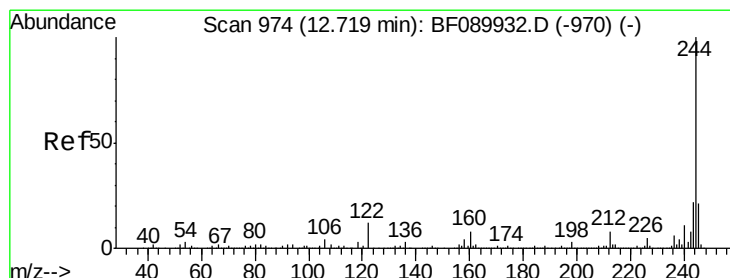
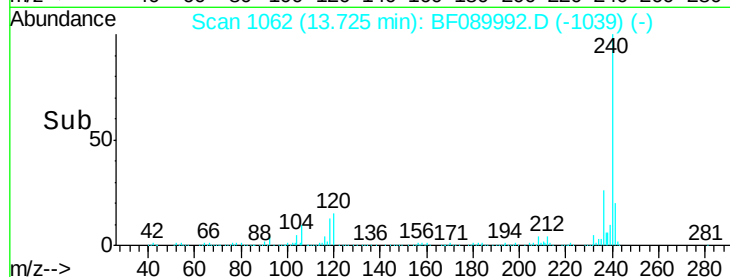
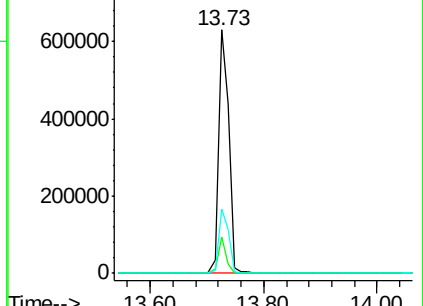
236 26.4 21.3 31.9



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: 73.27 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF089992.D

Acq: 6 Sep 2016 17:04

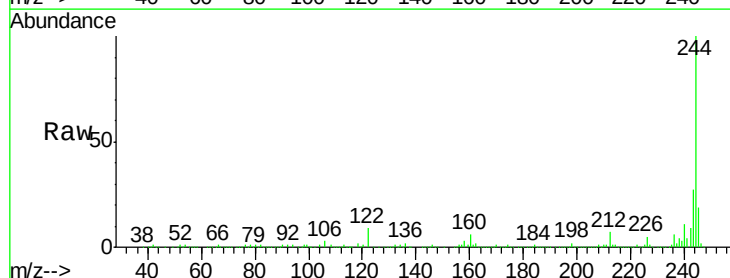
Tgt Ion:244 Resp: 2310378

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

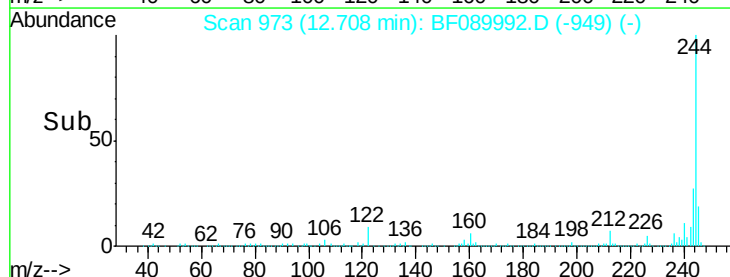
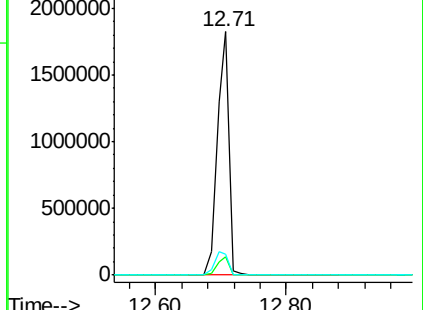
122 8.7 9.6 14.4#

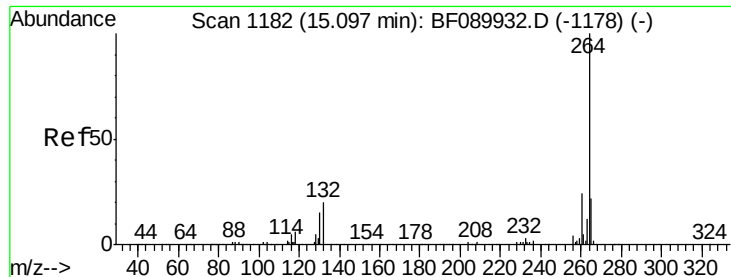


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

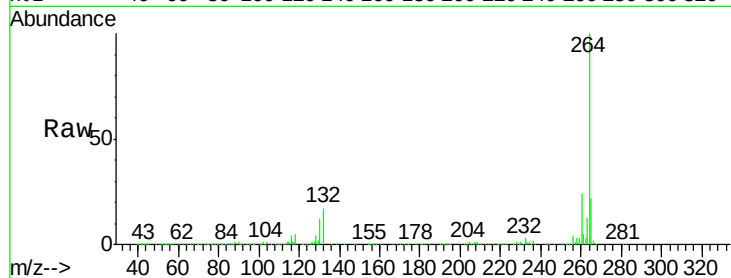




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF089992.D
Acq: 6 Sep 2016 17:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	21.7	17.4	26.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

