

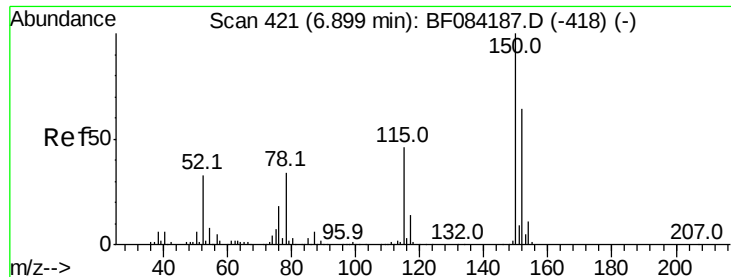
Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084488.D
 Acq On : 15 Jan 2016 13:58
 Operator : SJ/UM
 Sample : PB87825BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 01:31:16 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:26:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	274287	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1167569	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	543892	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	951871	20.00	ng	0.01
75) Chrysene-d12	13.99	240	601123	20.00	ng	0.00
86) Perylene-d12	15.40	264	492806	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1309145	77.20	ng	0.01
7) Phenol-d6	6.46	99	1622619	76.19	ng	0.00
23) Nitrobenzene-d5	7.39	82	1477653	70.44	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	389180	70.88	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	2448240	78.72	ng	0.00
78) Terphenyl-d14	12.94	244	1991025	73.93	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	205250	14.24	ng	# 72
50) 2,6-Dinitrotoluene	9.87	165	71704	8.41	ng	# 37
54) Dibenzofuran	10.00	168	235	Below Cal	#	1
57) Fluorene	10.66	166	18370	Below Cal	#	85
64) 4,6-Dinitro-2-methylphenol	10.66	198	749	6.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	24059	2.35	ng	# 1
73) Di-n-butylphthalate	11.92	149	16390	Below Cal	#	75

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

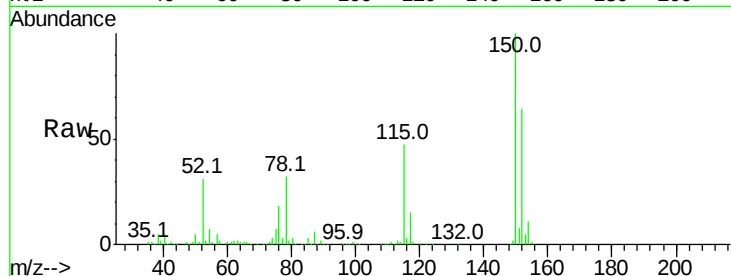


#1

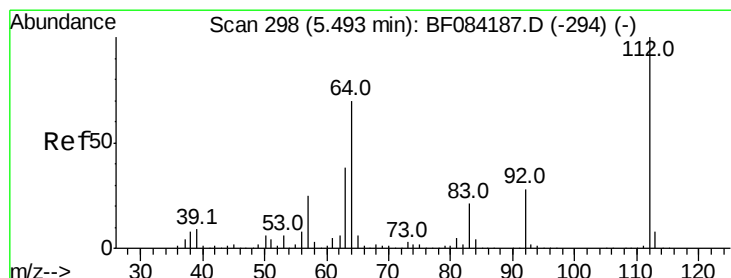
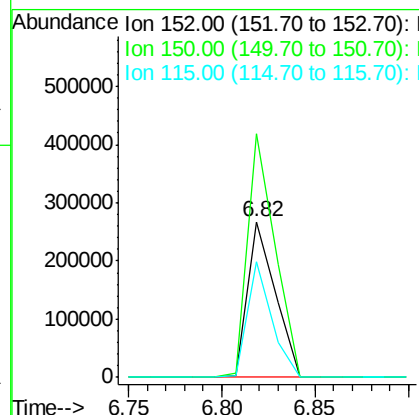
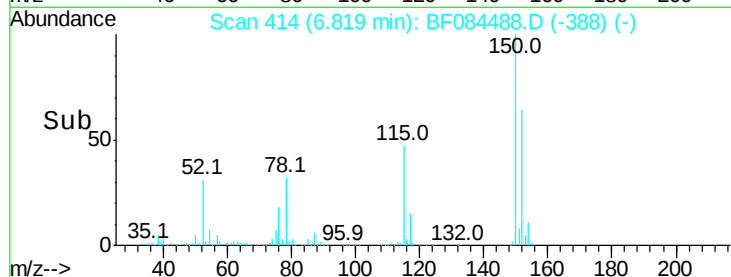
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF084488.D
Acq: 15 Jan 2016 13:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 274287
Ion Ratio Lower Upper
152 100
150 156.8 123.0 184.4
115 74.2 51.4 77.2



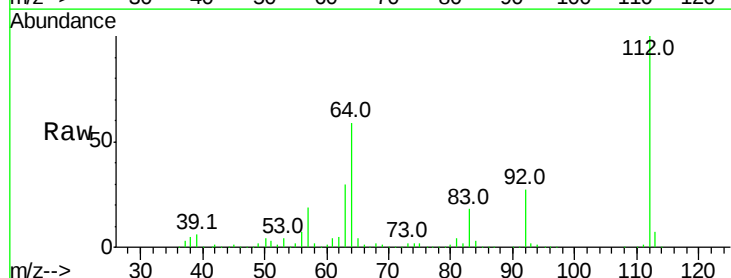
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



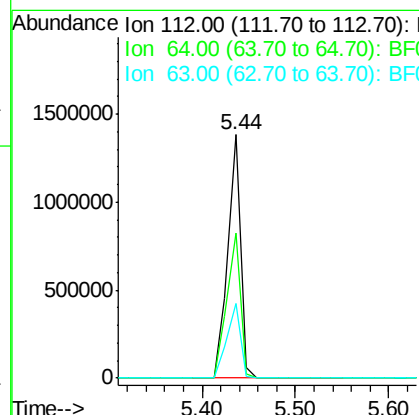
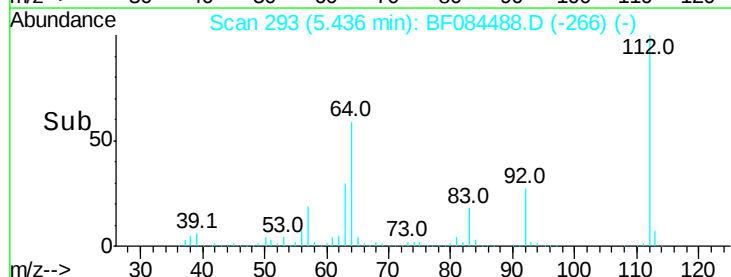
#5

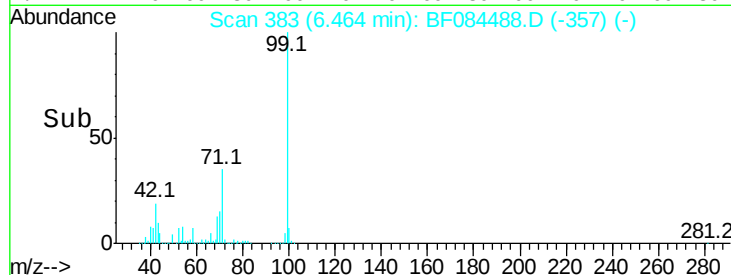
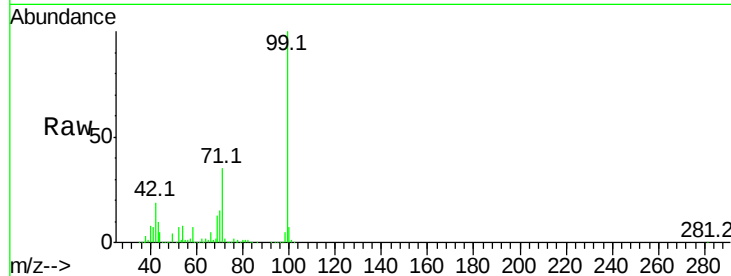
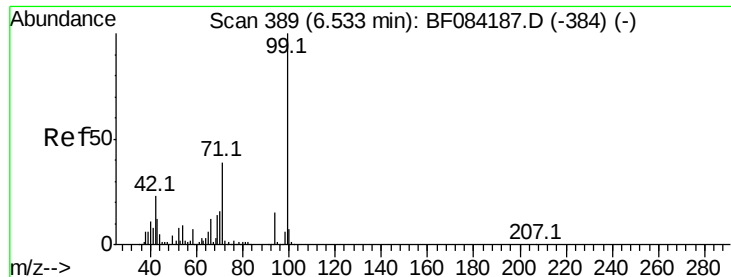
2-Fluorophenol
Concen: 77.20 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF084488.D
Acq: 15 Jan 2016 13:58

Tgt Ion:112 Resp: 1309145
Ion Ratio Lower Upper
112 100
64 59.3 36.6 55.0#
63 30.4 19.4 29.0#



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: 76.19 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

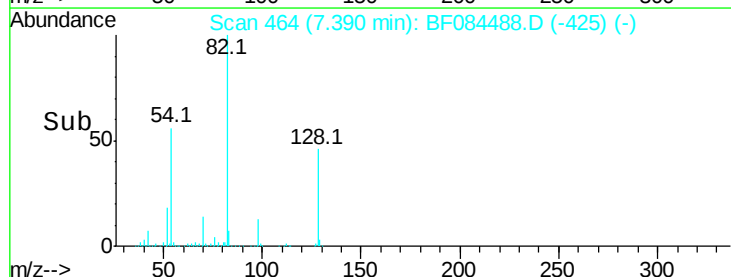
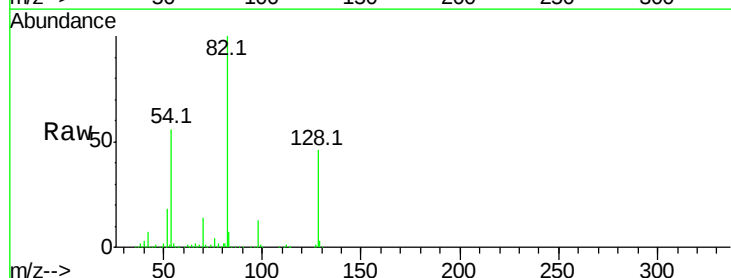
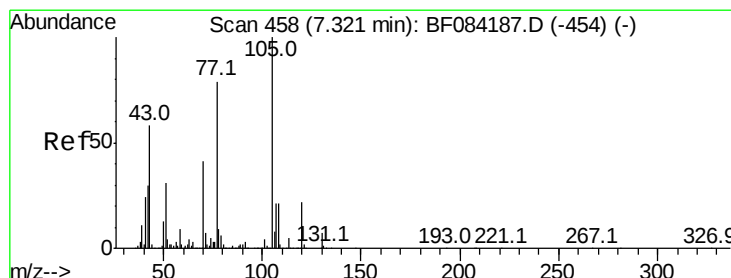
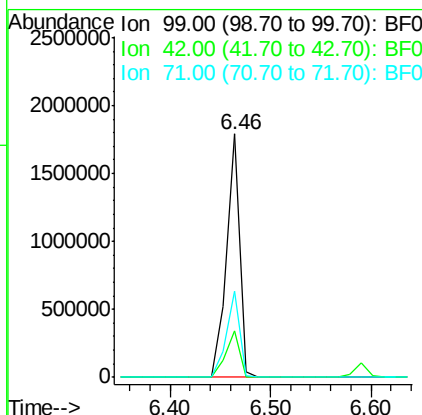
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1622619

Ion	Ratio	Lower	Upper
99	100		
42	19.2	12.8	19.2#
71	35.4	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.24 ng

RT: 7.39 min Scan# 464

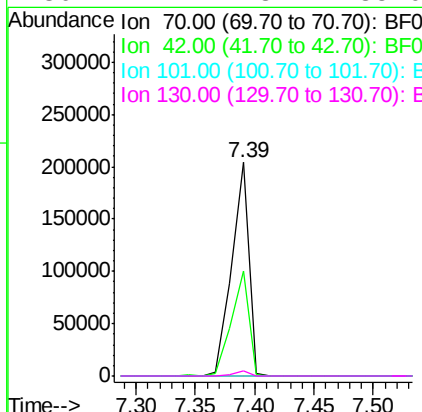
Delta R.T. 0.15 min

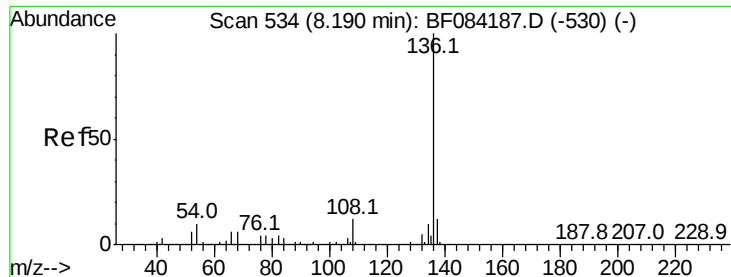
Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

Tgt Ion: 70 Resp: 205250

Ion	Ratio	Lower	Upper
70	100		
42	49.3	33.3	49.9
101	0.0	9.3	13.9#
130	2.4	23.4	35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

Instrument :

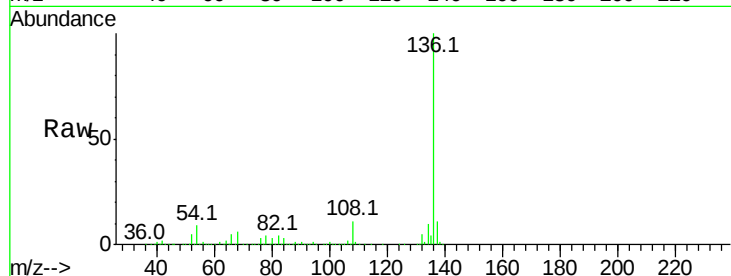
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1167569

Ion Ratio Lower Upper

136	100		
137	11.4	8.7	13.1
54	9.0	5.8	8.8#
68	5.8	4.2	6.2

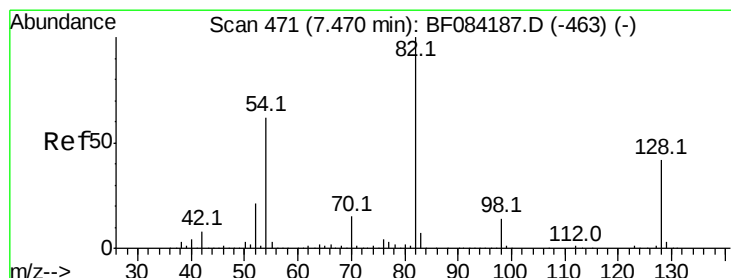
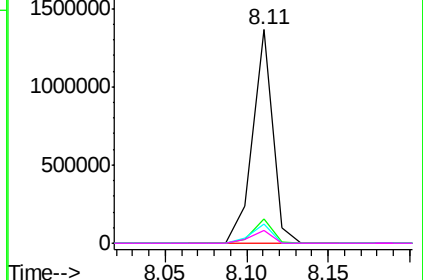
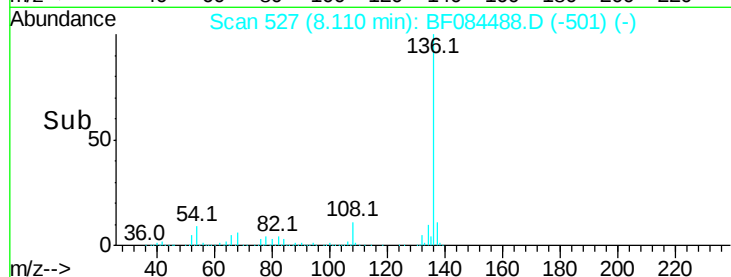


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.44 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

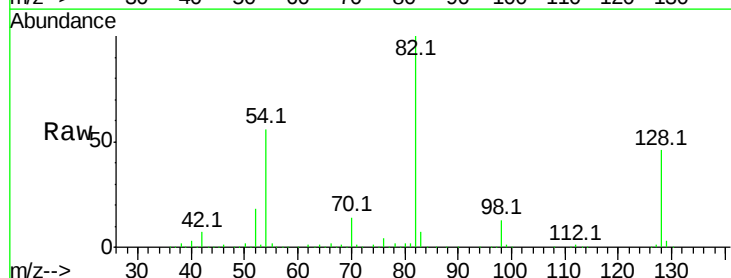
Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

Tgt Ion: 82 Resp: 1477653

Ion Ratio Lower Upper

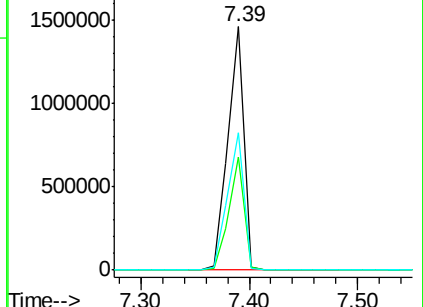
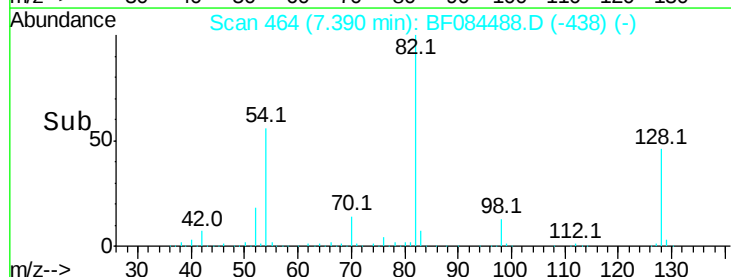
82	100		
128	46.2	34.6	51.8
54	56.4	38.4	57.6

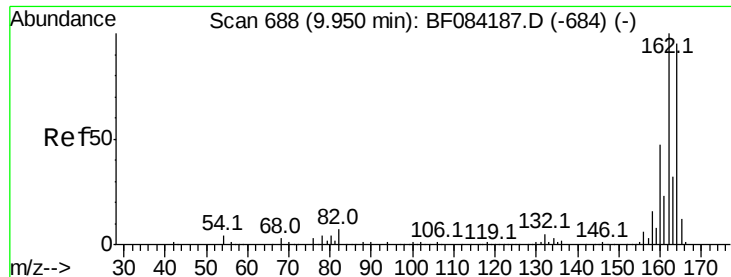


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

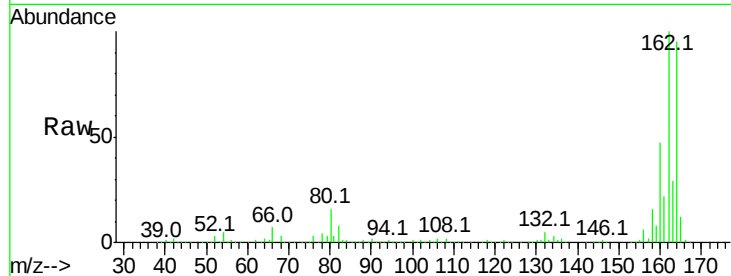




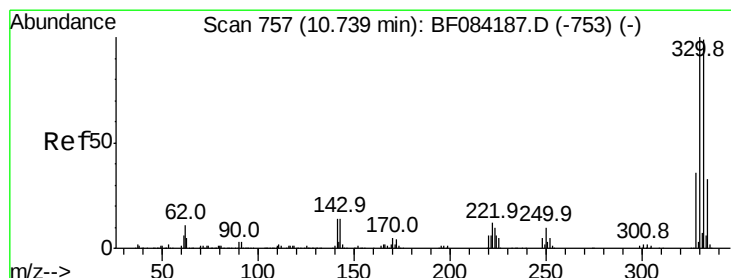
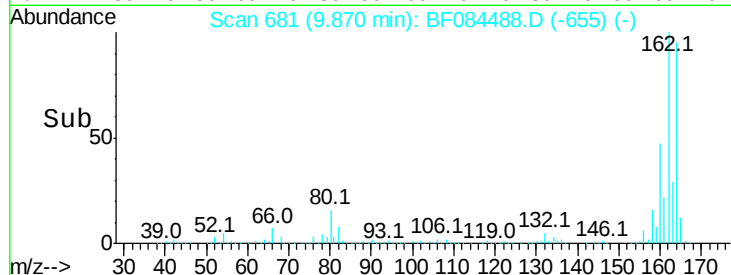
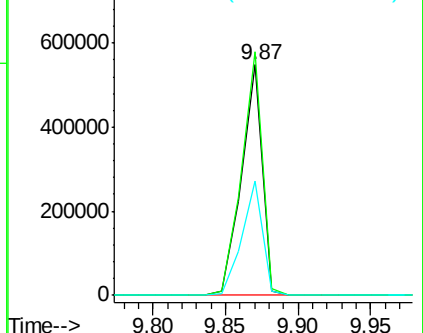
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BF084488.D
 Acq: 15 Jan 2016 13:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 543892
 Ion Ratio Lower Upper
 164 100
 162 105.7 85.1 127.7
 160 49.7 37.5 56.3

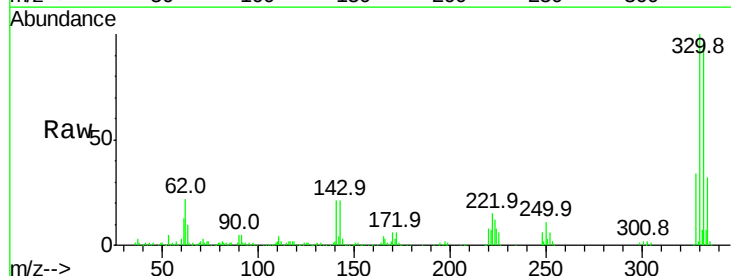


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

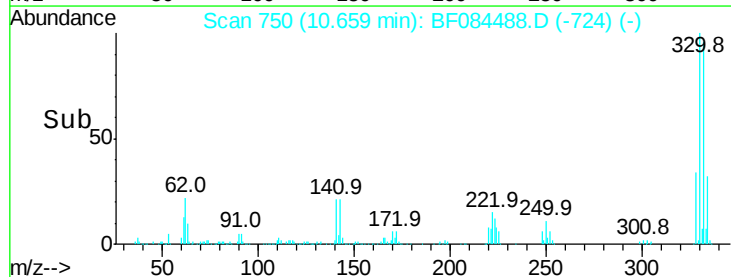
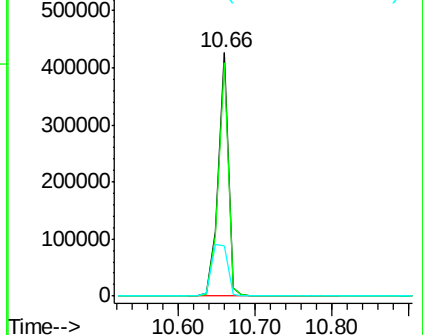


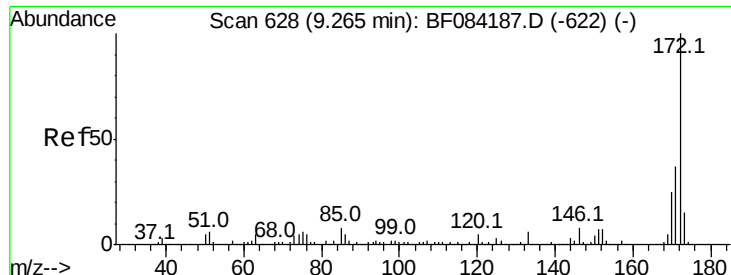
#41
 2,4,6-Tribromophenol
 Concen: 70.88 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084488.D
 Acq: 15 Jan 2016 13:58

Tgt Ion:330 Resp: 389180
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 114.8
 141 33.2 27.8 41.6



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



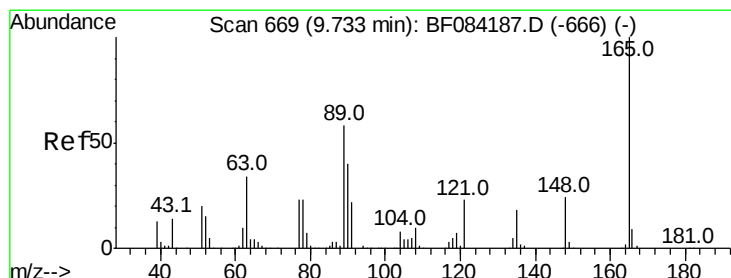
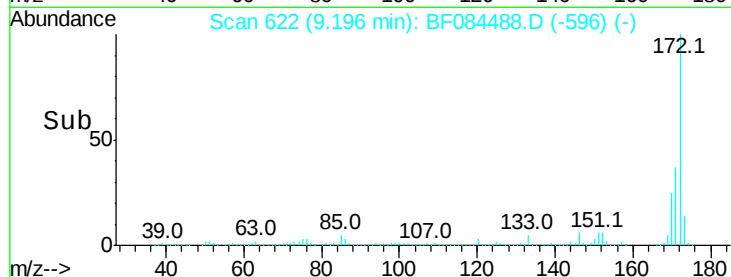
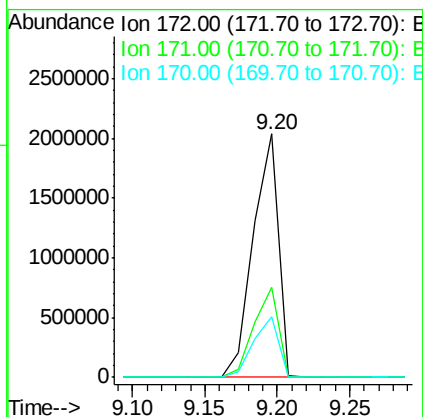
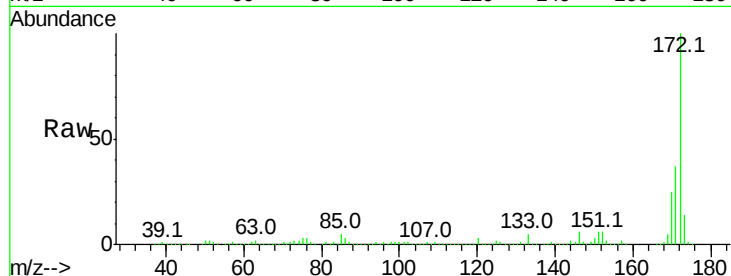


#44
 2-Fluorobiphenyl
 Concen: 78.72 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF084488.D
 Acq: 15 Jan 2016 13:58

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 2448240

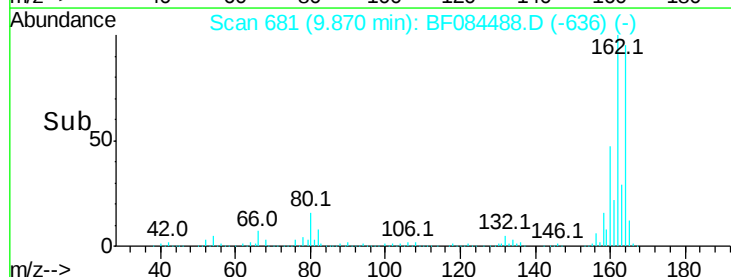
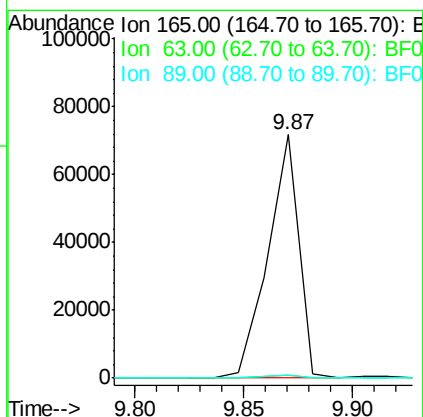
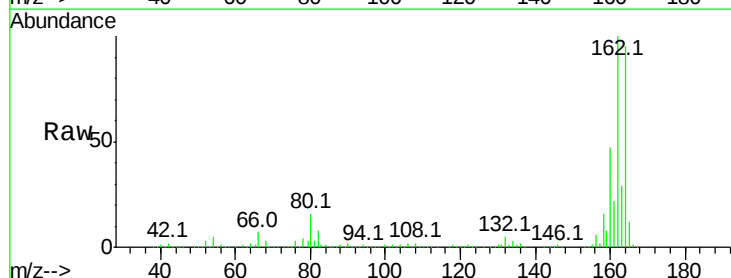
Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.9	43.3
170	25.1	18.6	27.8

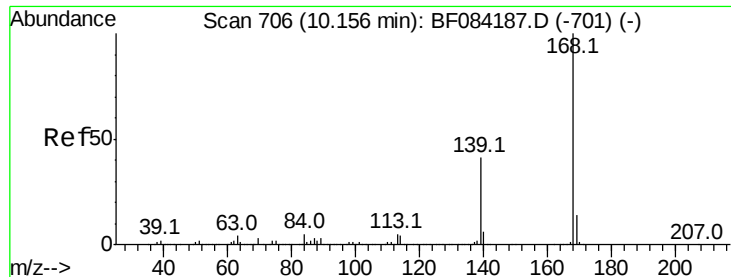


#50
 2,6-Dinitrotoluene
 Concen: 8.41 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.22 min
 Lab File: BF084488.D
 Acq: 15 Jan 2016 13:58

Tgt Ion:165 Resp: 71704

Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.8	43.2#
89	1.4	35.1	52.7#





#54

Dibenzofuran

Concen: Below Cal

RT: 10.00 min Scan# 692

Delta R.T. -0.08 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

Instrument :

BNA_F

ClientSampleId :

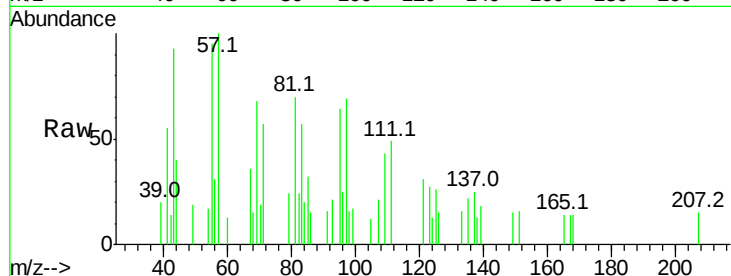
Tot Ion:168 Resp: 235

Ion Ratio Lower Upper

168 100

139 131.5 30.5 45.7#

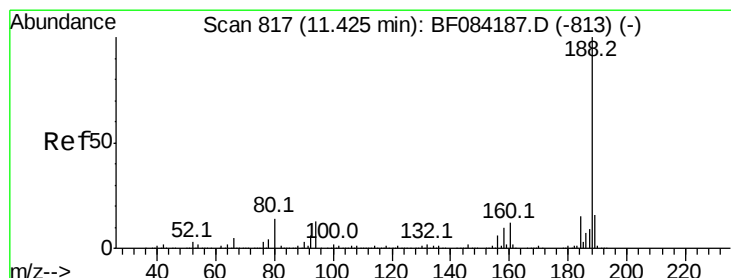
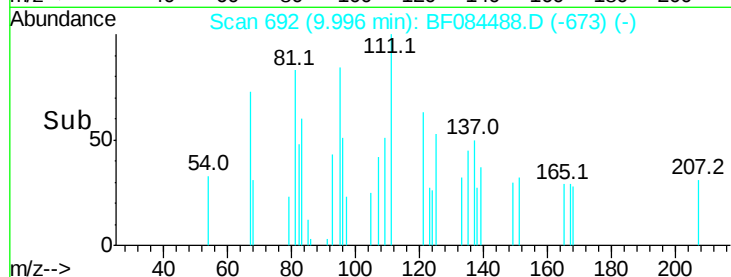
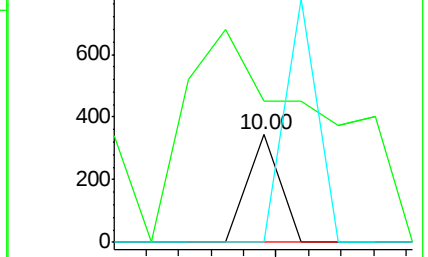
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

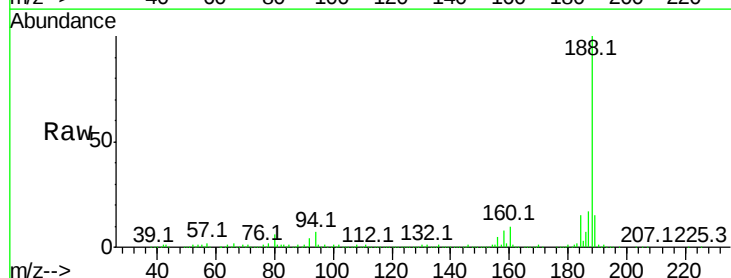
Tgt Ion:188 Resp: 951871

Ion Ratio Lower Upper

188 100

94 6.7 9.0 13.4#

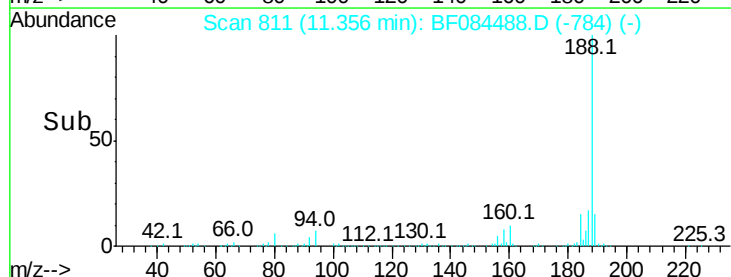
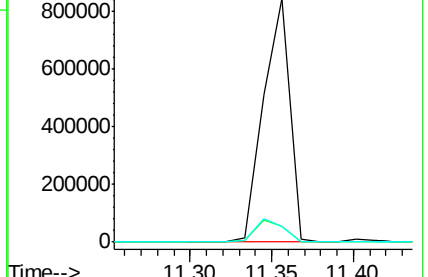
80 6.5 9.6 14.4#

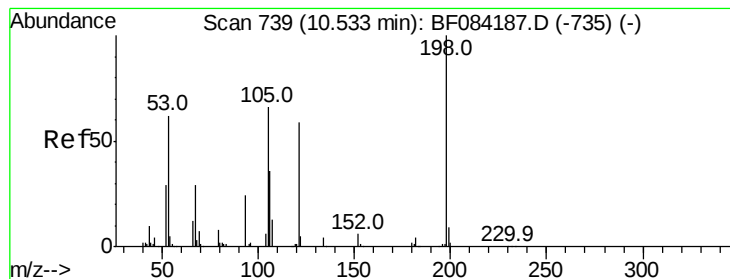


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.52 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.19 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

Instrument :

BNA_F

ClientSampled :

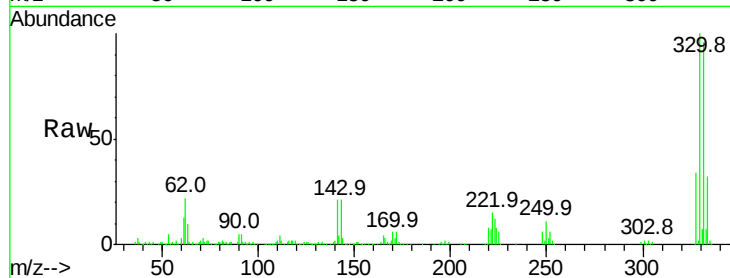
Tot Ion:198 Resp: 749

Ion Ratio Lower Upper

198 100

51 137.6 18.9 58.9#

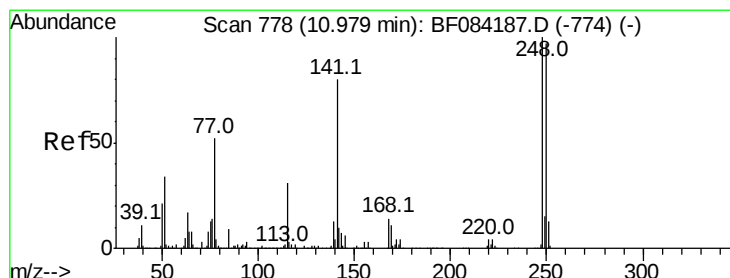
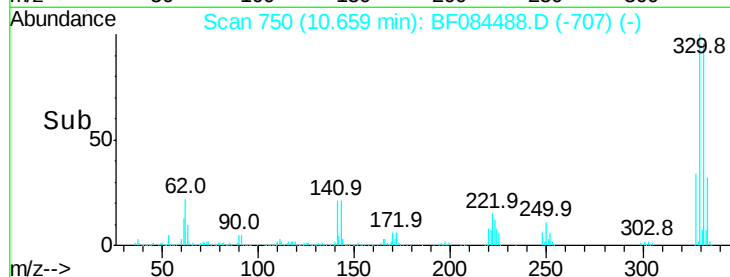
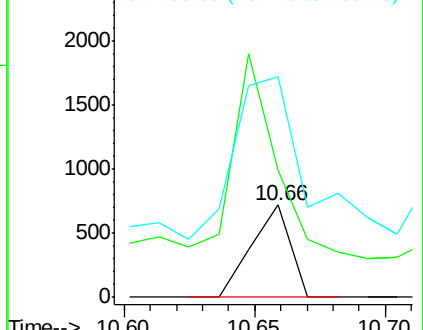
105 238.7 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.35 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.24 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

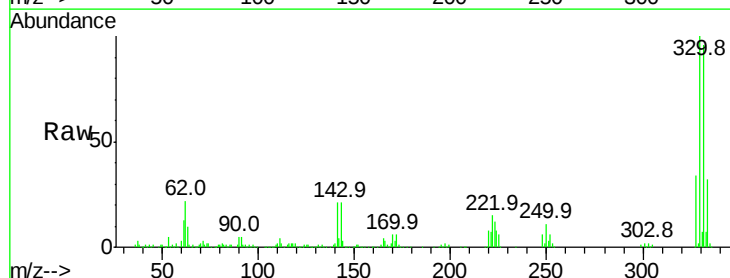
Tgt Ion:248 Resp: 24059

Ion Ratio Lower Upper

248 100

250 191.7 78.4 117.6#

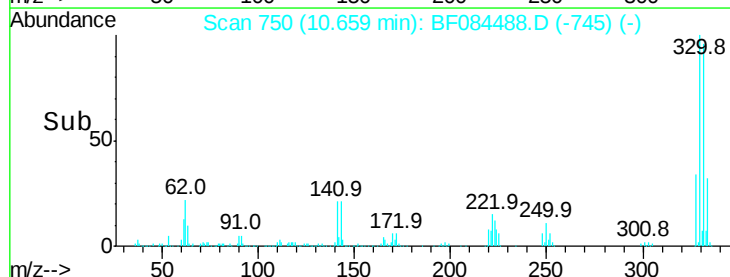
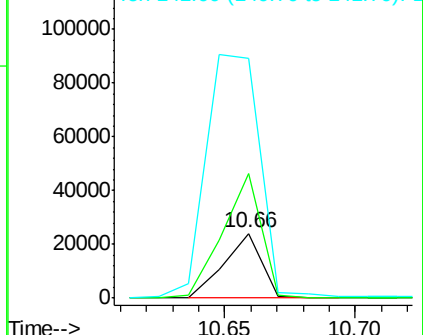
141 370.1 44.0 66.0#

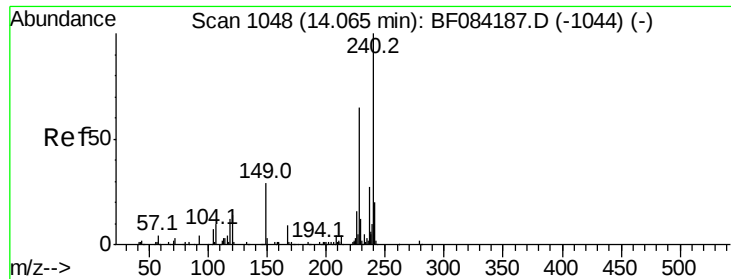


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

Instrument :

BNA_F

ClientSampleId :

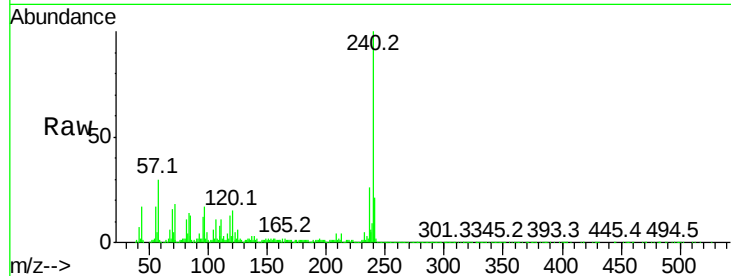
Tot Ion:240 Resp: 601123

Ion Ratio Lower Upper

240 100

120 15.2 9.5 14.3#

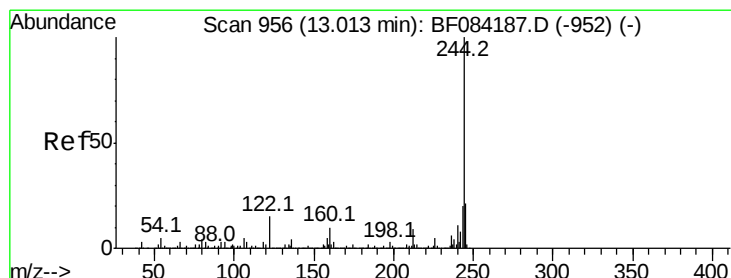
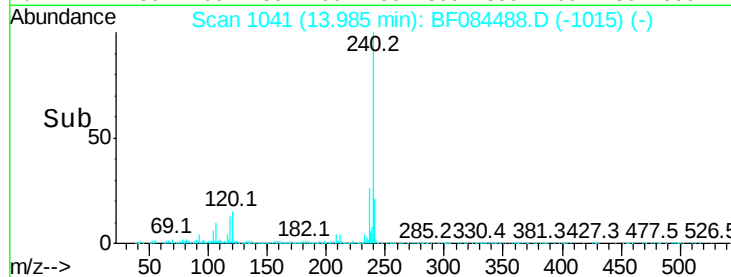
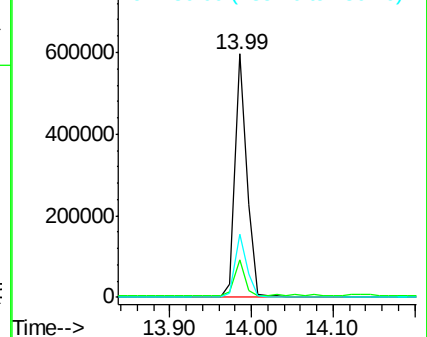
236 26.1 20.6 31.0



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: 73.93 ng

RT: 12.94 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF084488.D

Acq: 15 Jan 2016 13:58

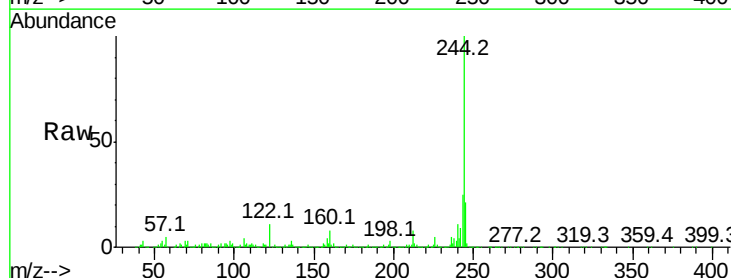
Tgt Ion:244 Resp: 1991025

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

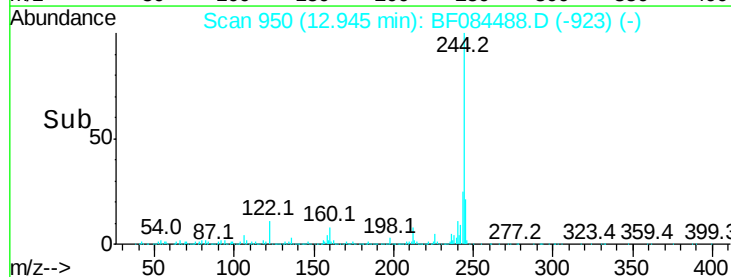
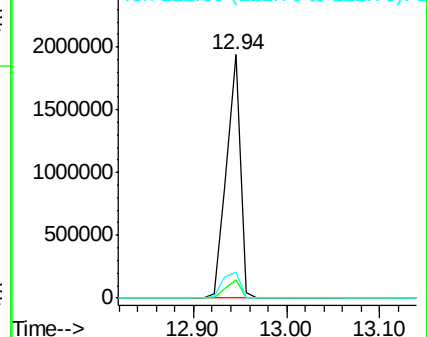
122 10.9 7.4 11.0

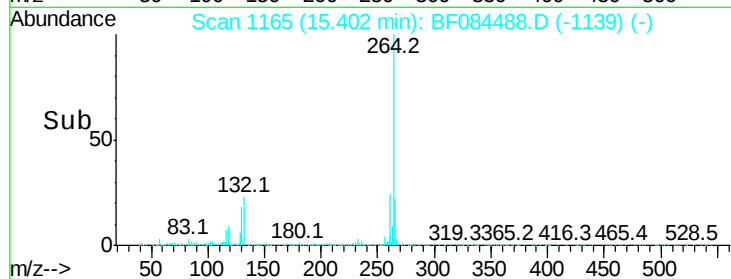
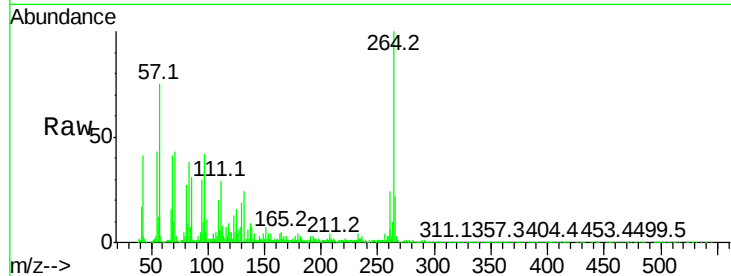
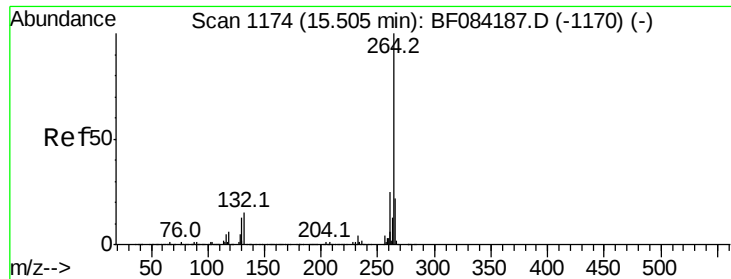


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.40 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF084488.D
Acq: 15 Jan 2016 13:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.2	17.8	26.6

