

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087912.D
 Acq On : 11 Jun 2016 20:03
 Operator : UM/SJ
 Sample : H3887-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW3

Quant Time: Jun 12 05:31:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112496	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	471992	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	221950	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	455213	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	359362	20.00	ng	-0.03
86) Perylene-d12	15.37	264	275513	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	402817	61.21	ng	-0.03
7) Phenol-d6	6.43	99	314703	39.46	ng	-0.05
23) Nitrobenzene-d5	7.37	82	749873	92.77	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	331966	141.65	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1435531	102.76	ng	-0.03
78) Terphenyl-d14	12.91	244	1115963	70.67	ng	-0.03

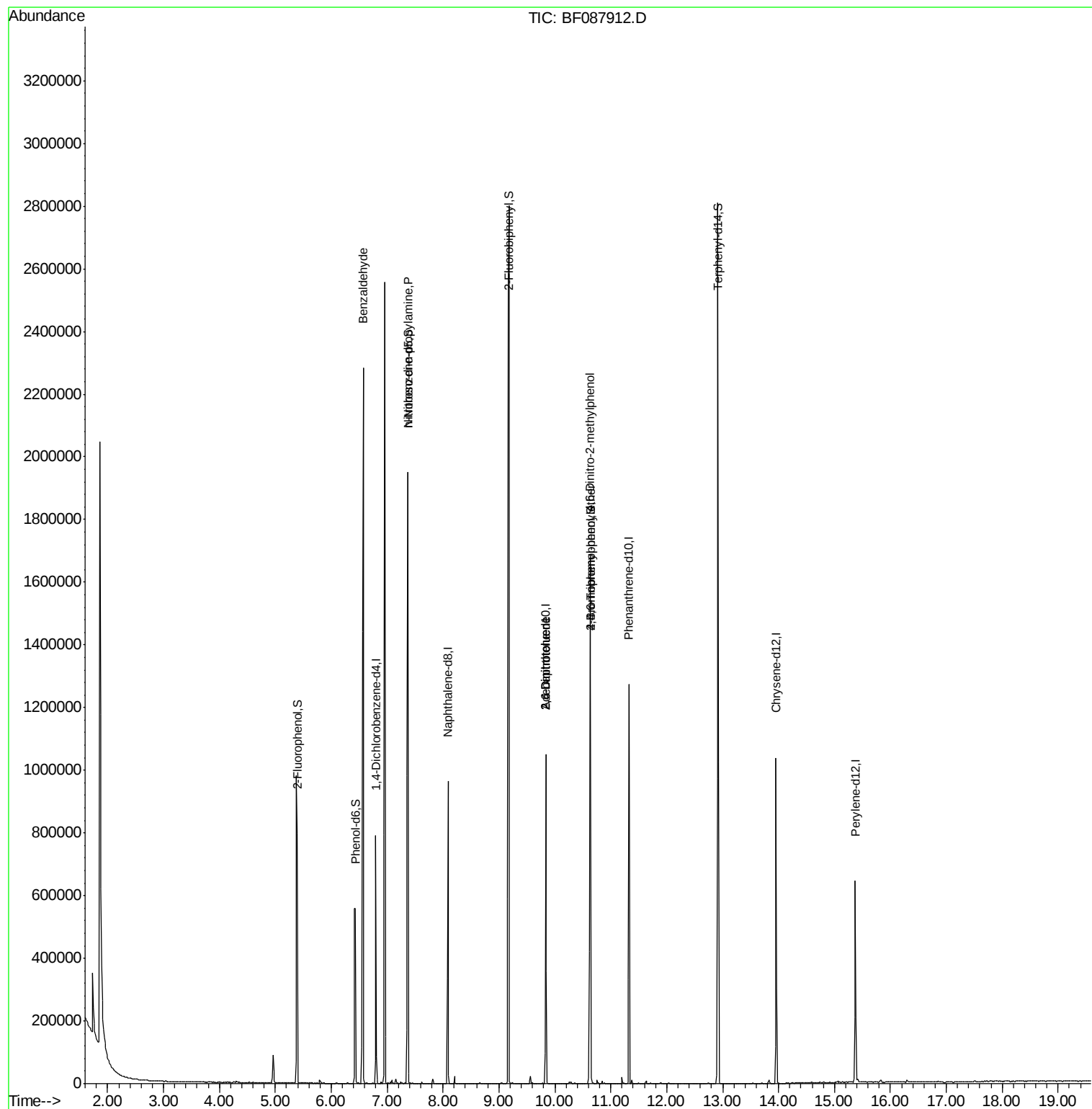
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	17249	3.00	ng	# 74
10) Phenol	6.44	94	747	Below Cal		# 63
19) n-Nitroso-di-n-propylamine	7.37	70	101053	19.81	ng	# 71
45) 1,1'-Biphenyl	9.18	154	2904	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.84	165	28232	7.67	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	28227	5.97	ng	# 38
57) Fluorene	10.63	166	14838	Below Cal		# 88
64) 4,6-Dinitro-2-methylphenol	10.63	198	664	2.39	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	21108	4.32	ng	# 1

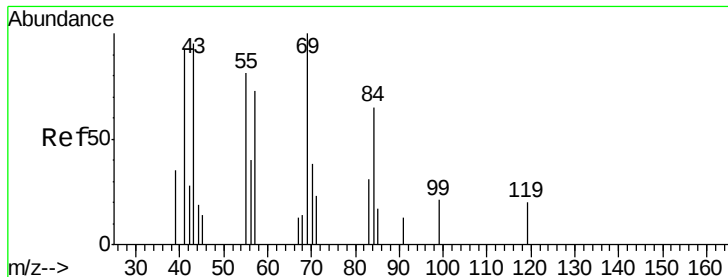
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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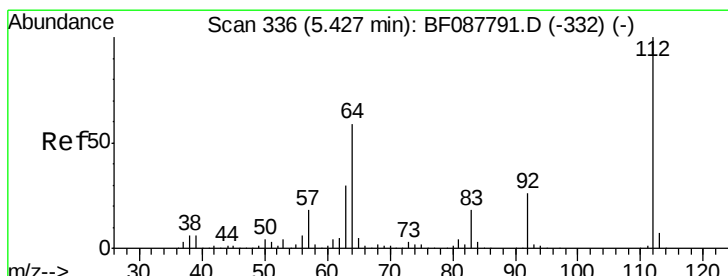
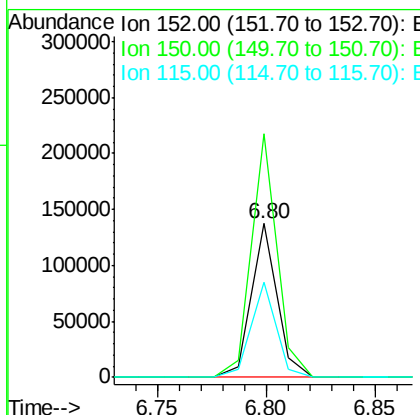
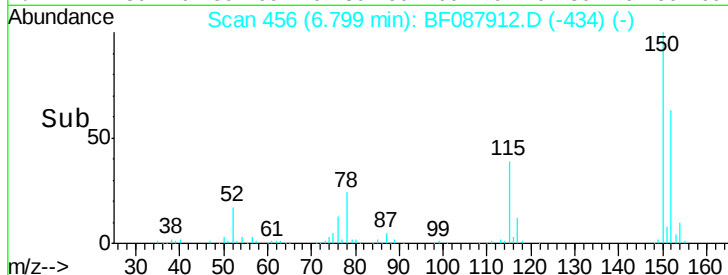
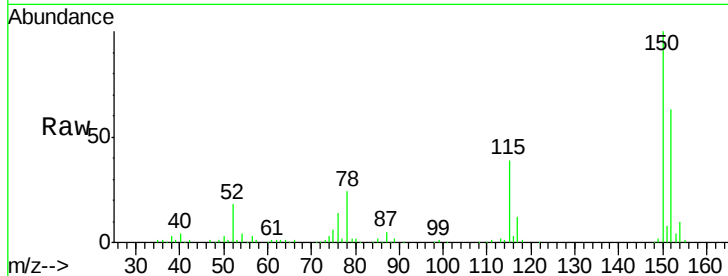




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087912.D
 Acq: 11 Jun 2016 20:03

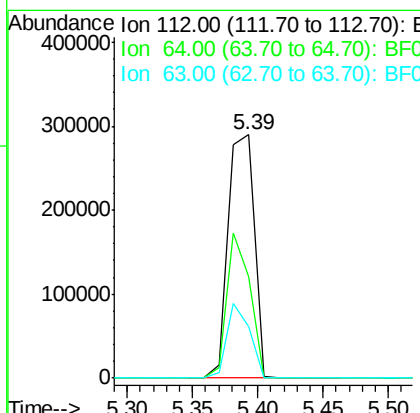
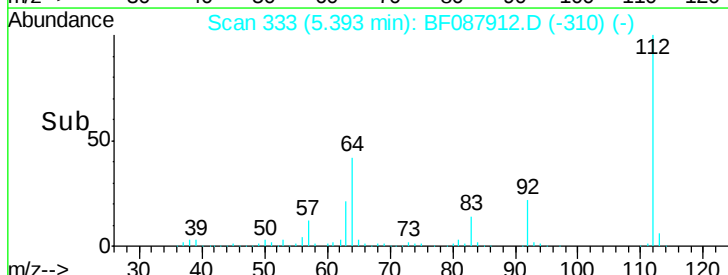
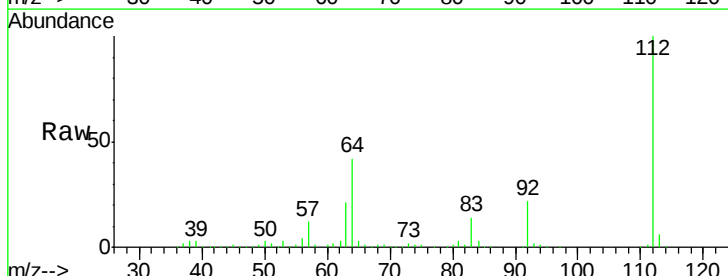
Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW3

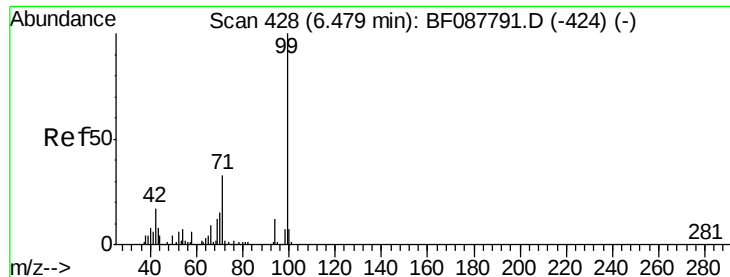
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	123.8	185.6
115	62.0	39.6	59.4



#5
 2-Fluorophenol
 Concen: 61.21 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087912.D
 Acq: 11 Jun 2016 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.7	42.2	63.2
63	21.3	21.8	32.8





#7

Phenol-d6

Concen: 39.46 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW3

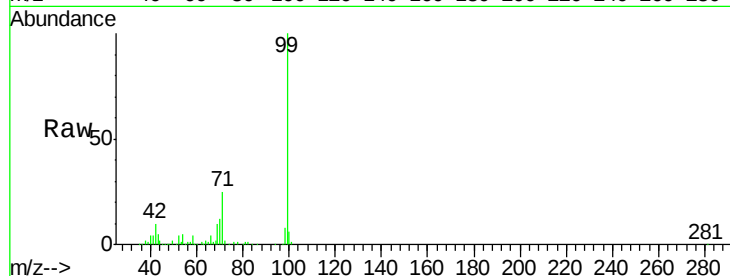
Tot Ion: 99 Resp: 314703

Ion Ratio Lower Upper

99 100

42 10.3 12.2 18.2#

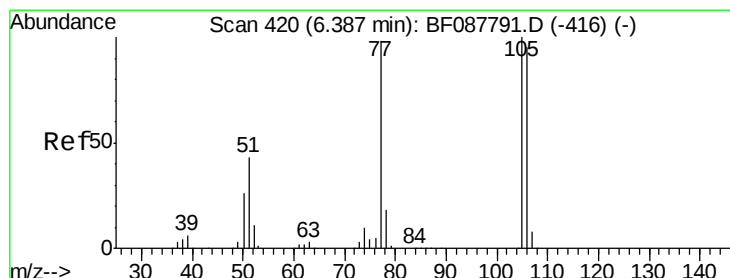
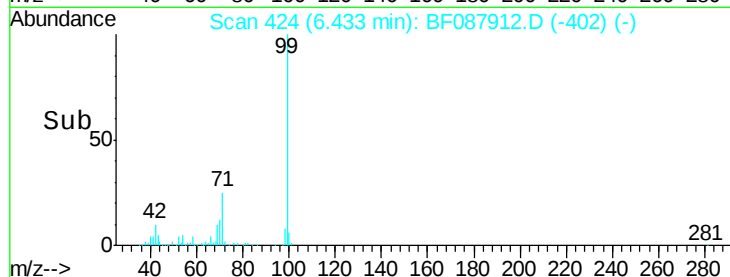
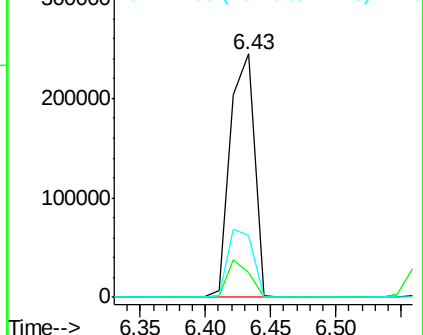
71 25.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.00 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

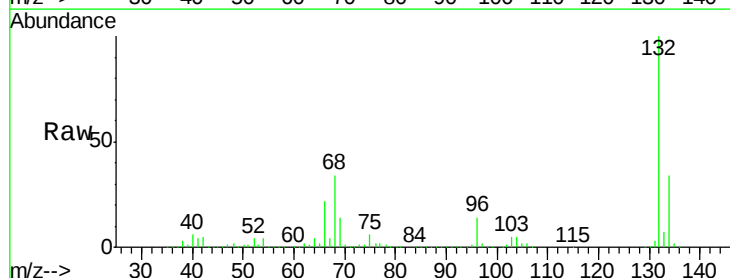
Tgt Ion: 77 Resp: 17249

Ion Ratio Lower Upper

77 100

105 85.4 90.6 130.6#

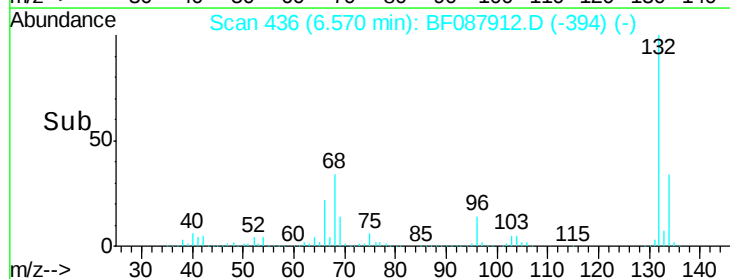
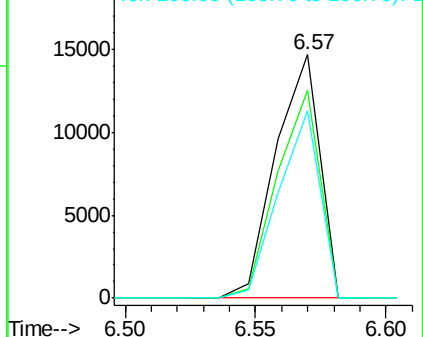
106 77.0 85.3 125.3#

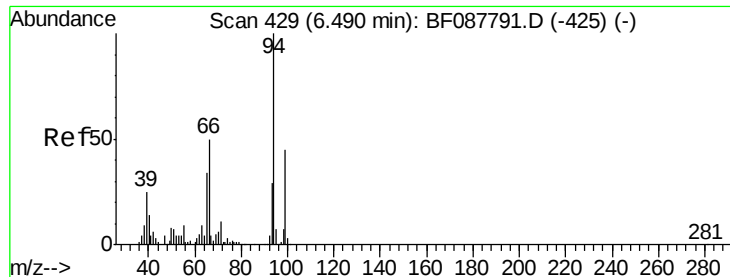


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. -0.05 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW3

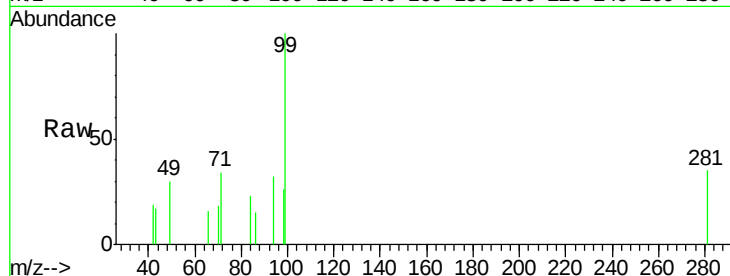
Tot Ion: 94 Resp: 747

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

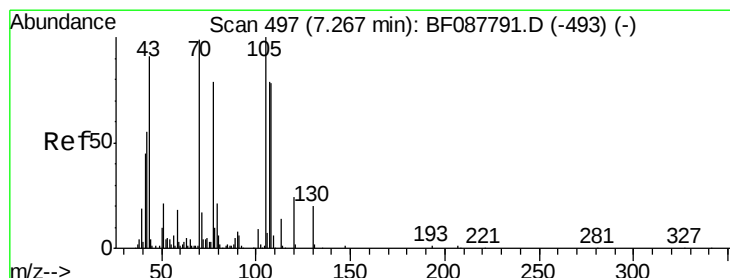
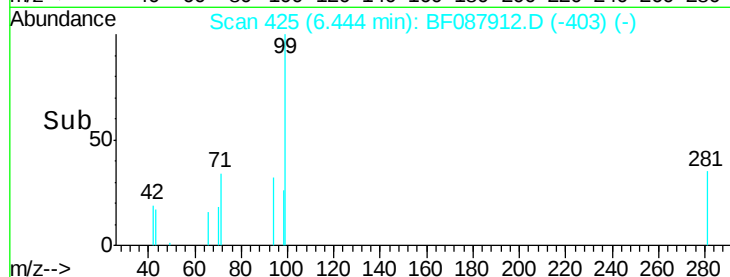
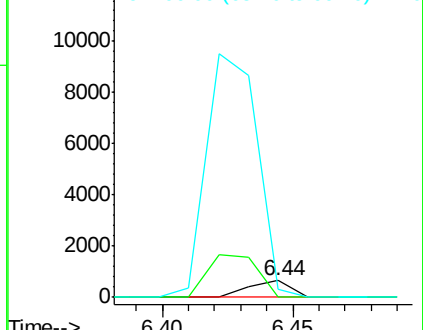
66 49.2 14.0 54.0



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.81 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Tgt Ion: 70 Resp: 101053

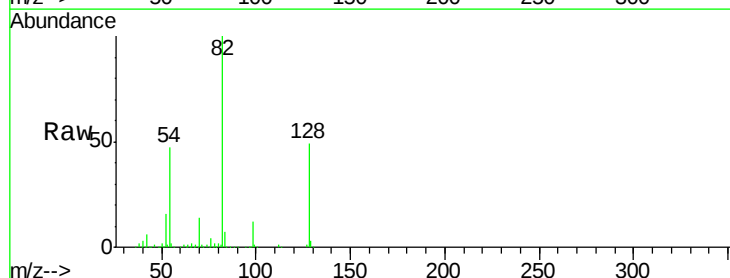
Ion Ratio Lower Upper

70 100

42 41.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

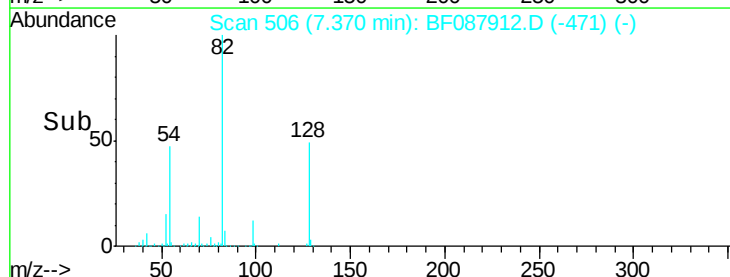
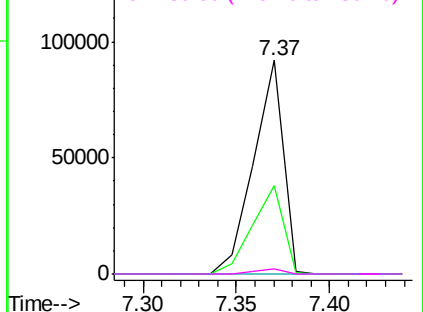


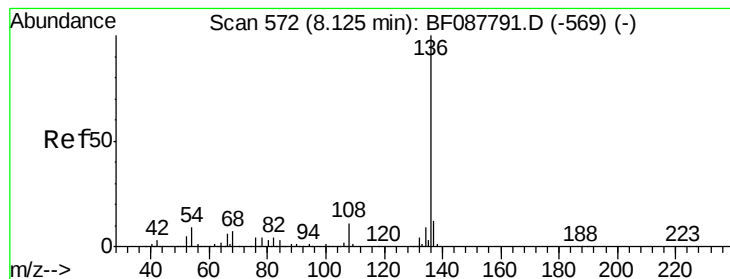
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW3

Tot Ion:136 Resp: 471992

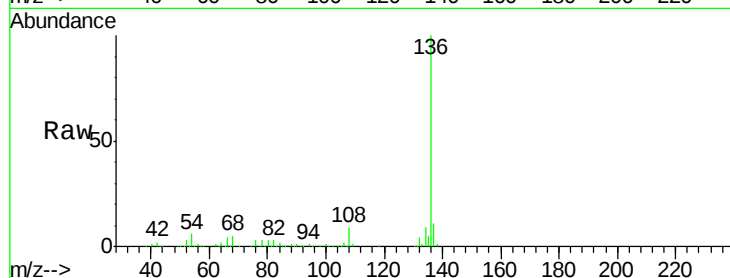
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.3 6.6 10.0#

68 5.3 5.1 7.7

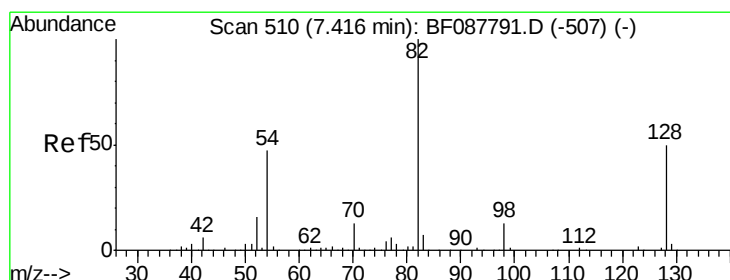
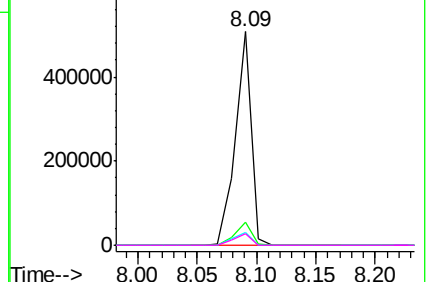
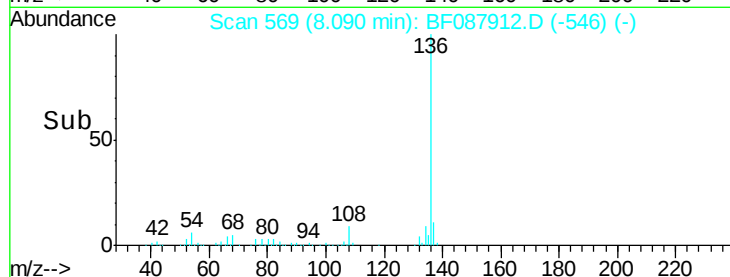


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.77 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

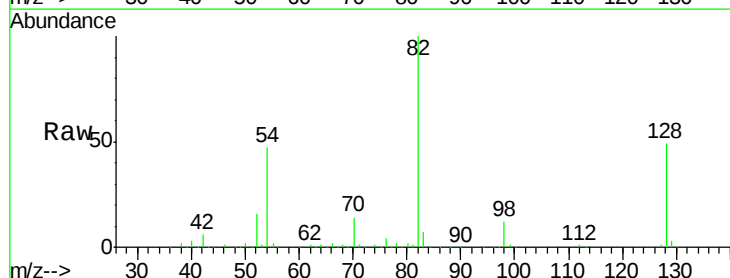
Tgt Ion: 82 Resp: 749873

Ion Ratio Lower Upper

82 100

128 48.7 35.9 53.9

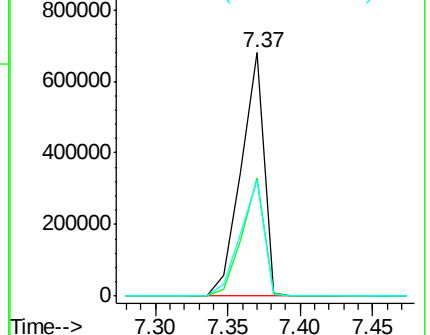
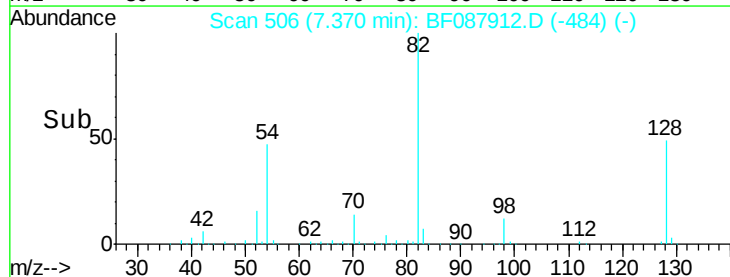
54 47.5 40.9 61.3

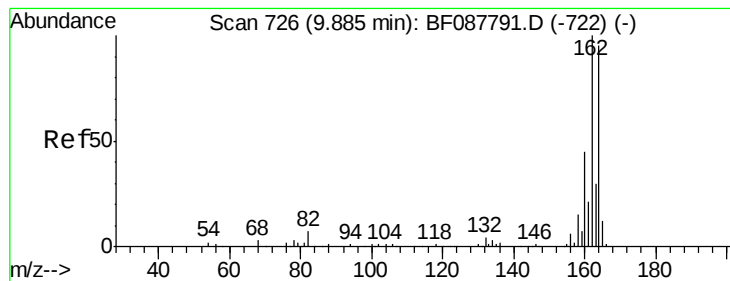


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW3

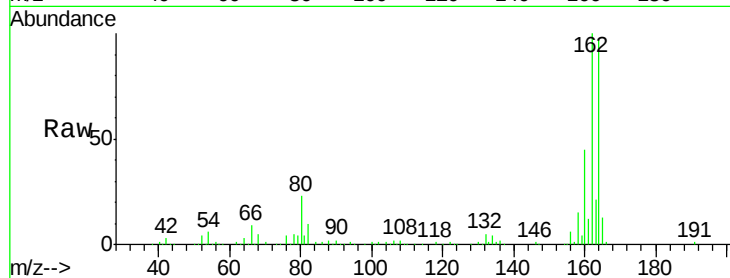
Tot Ion:164 Resp: 221950

Ion Ratio Lower Upper

164 100

162 102.7 85.4 128.2

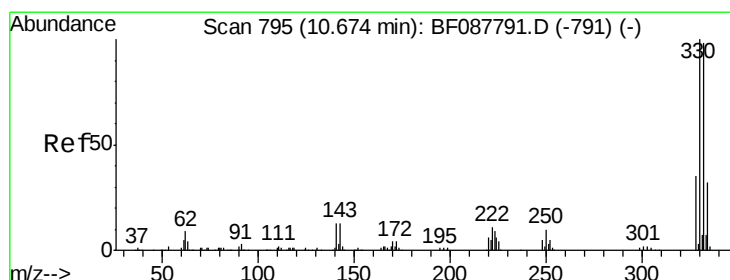
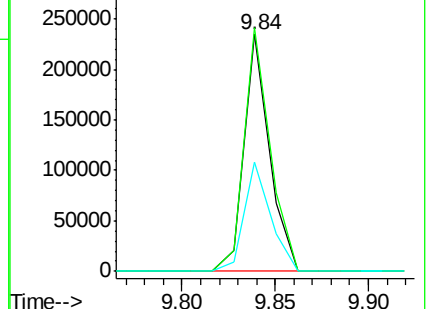
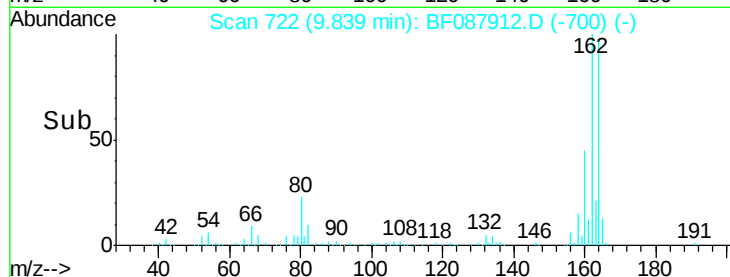
160 46.1 39.5 59.3



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: 141.65 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

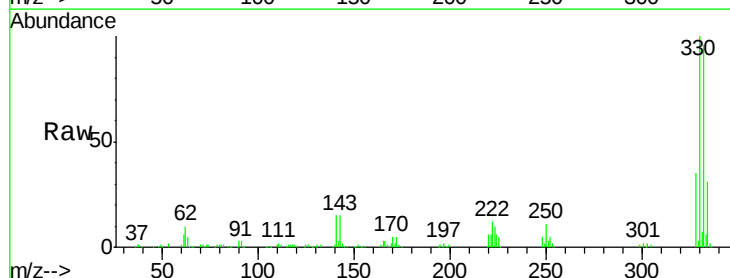
Tgt Ion:330 Resp: 331966

Ion Ratio Lower Upper

330 100

332 95.3 0.0 0.0#

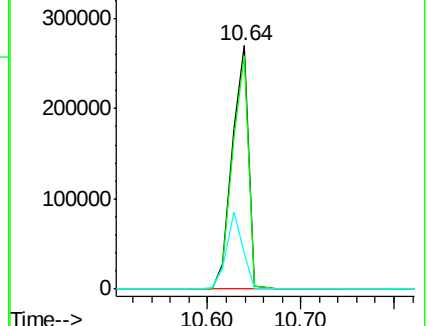
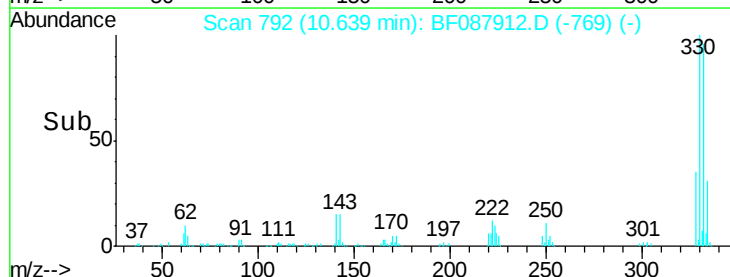
141 31.5 0.0 0.0#

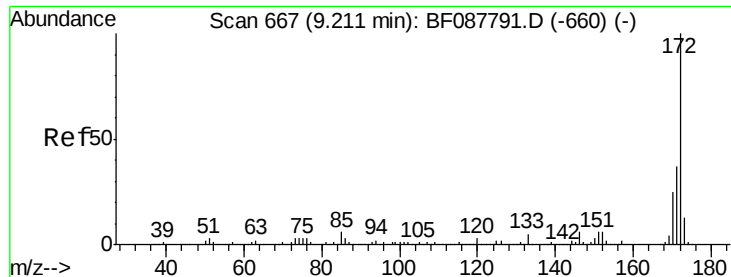


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 102.76 ng

RT: 9.18 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

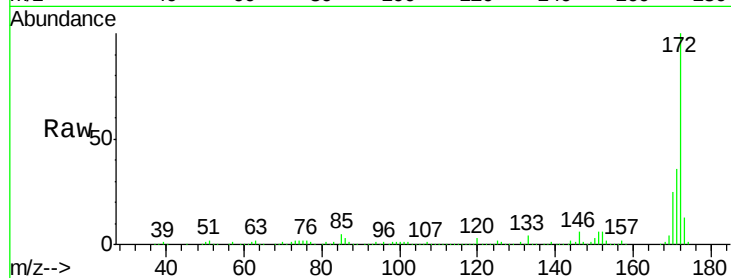
BNA_F

ClientSampleId :

SP16-LF2MW3

Tot Ion:172 Resp: 1435531

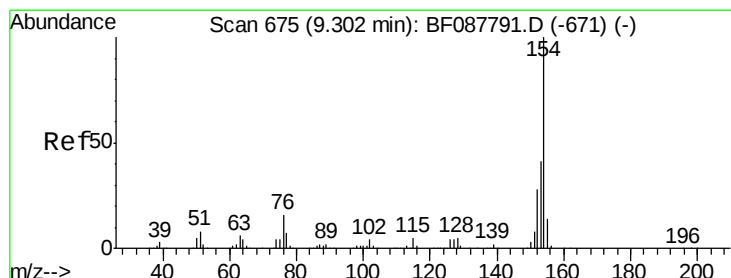
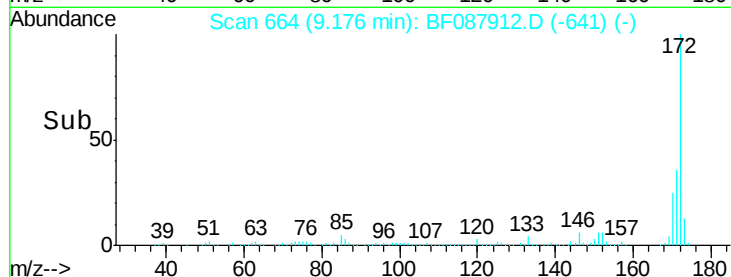
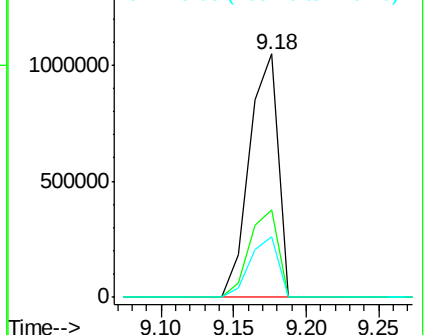
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.6	19.2	28.8



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



#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.18 min Scan# 664

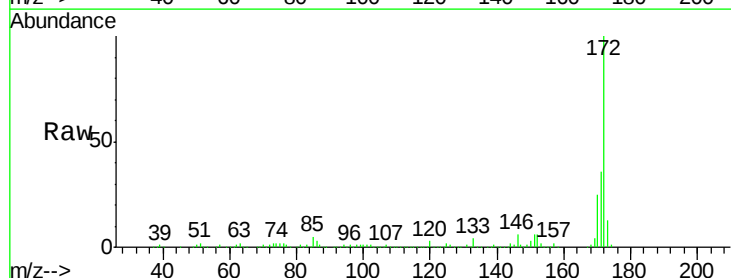
Delta R.T. -0.12 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Tgt Ion:154 Resp: 2904

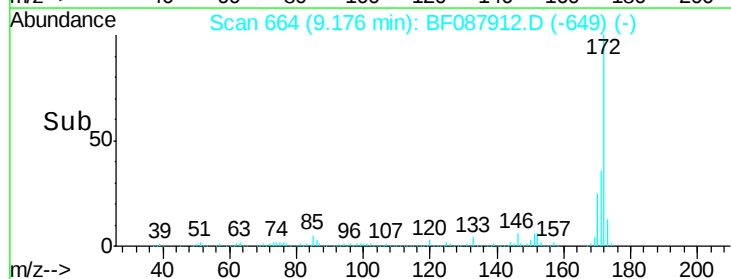
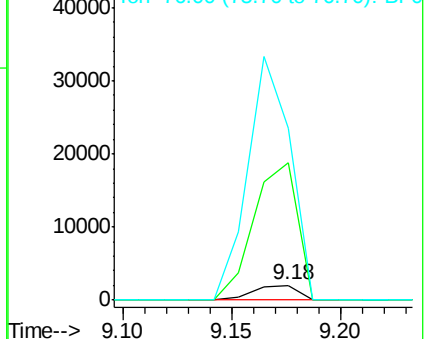
Ion	Ratio	Lower	Upper
154	100		
153	925.9	20.6	60.6#
76	1161.9	0.0	35.1#

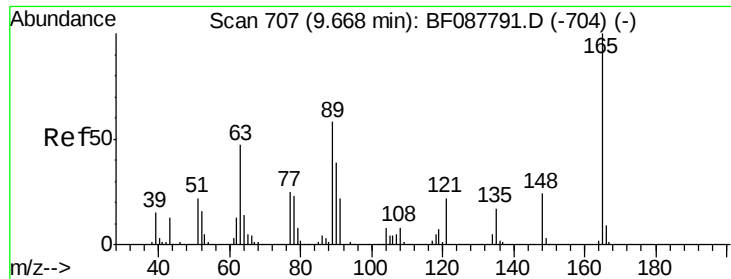


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

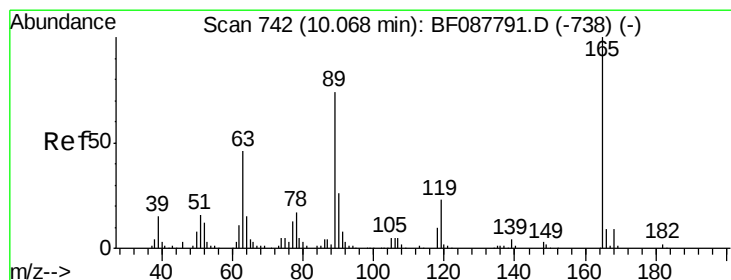
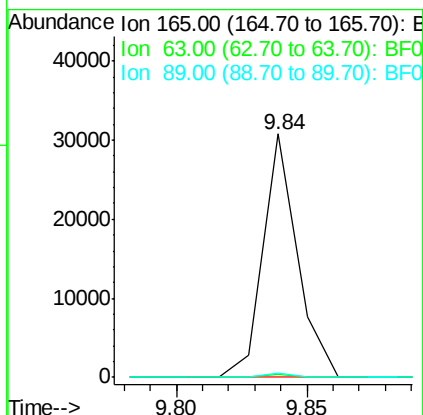
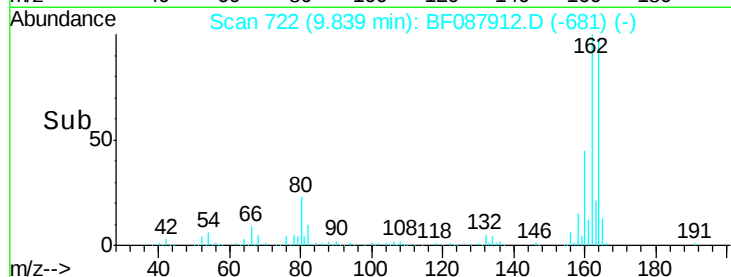
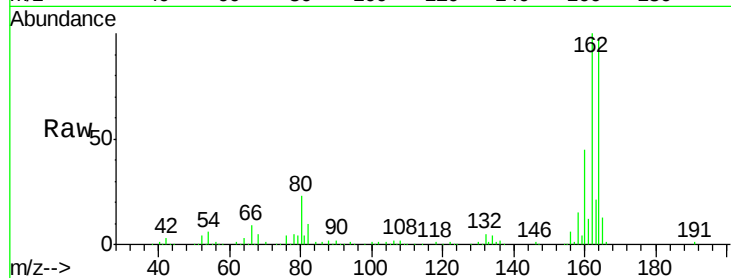




#50
 2,6-Dinitrotoluene
 Concen: 7.67 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087912.D
 Acq: 11 Jun 2016 20:03

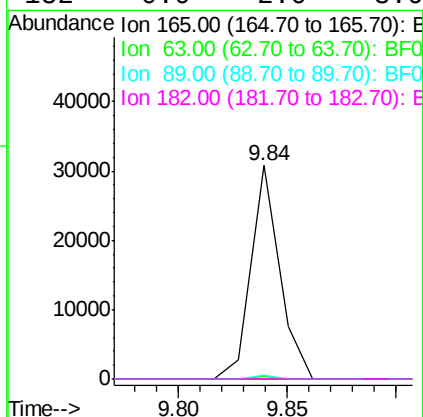
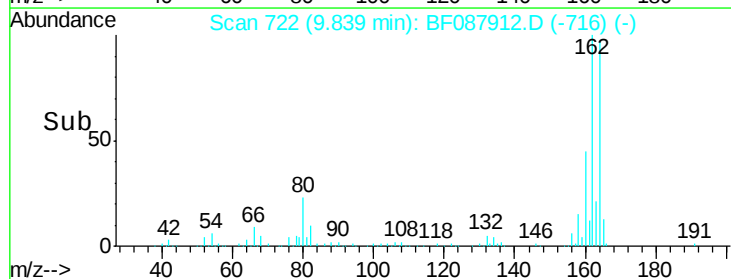
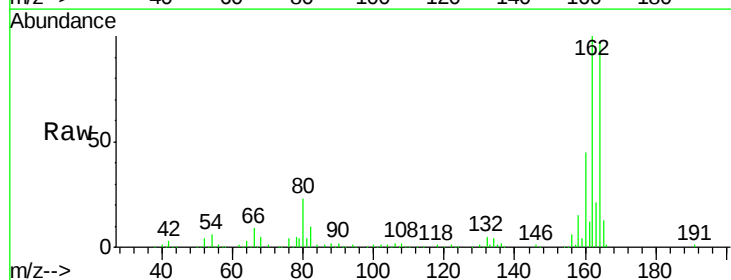
Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW3

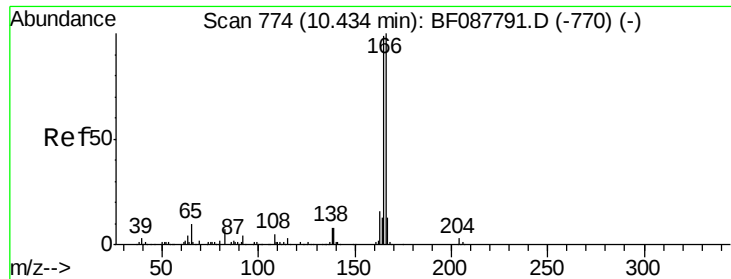
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	28.1	42.1#
89	1.6	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087912.D
 Acq: 11 Jun 2016 20:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#





#57

Fluorene

Concen: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW3

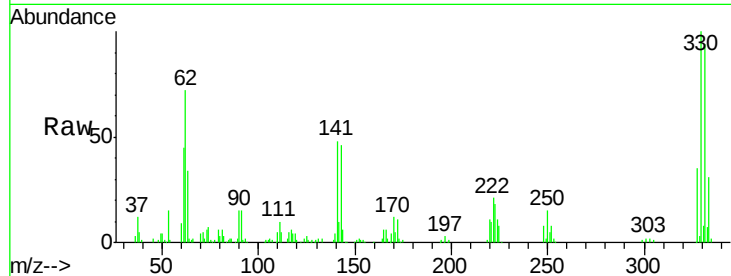
Tot Ion:166 Resp: 14838

Ion Ratio Lower Upper

166 100

165 103.6 77.8 116.8

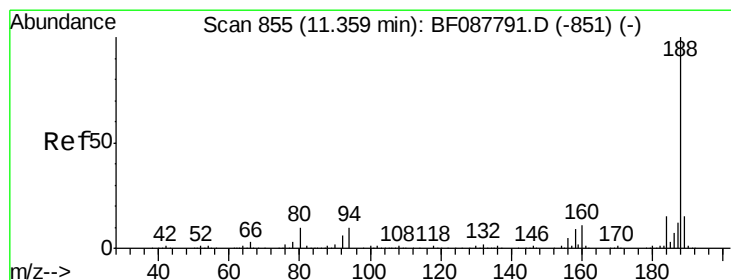
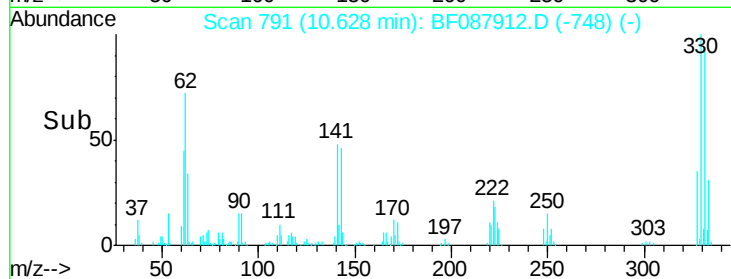
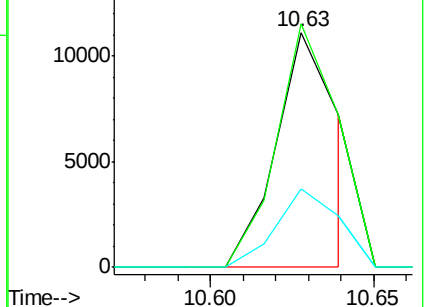
167 33.6 11.2 16.8#



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: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

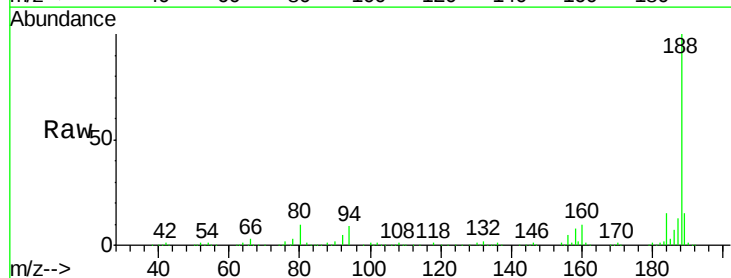
Tgt Ion:188 Resp: 455213

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.6

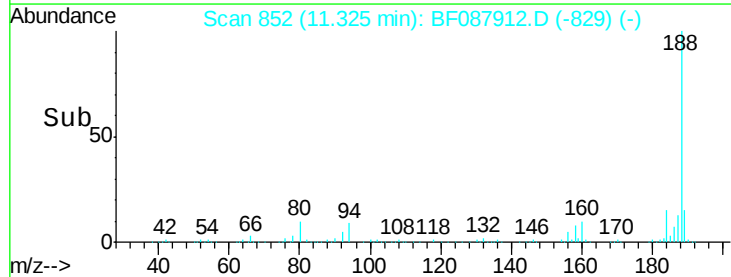
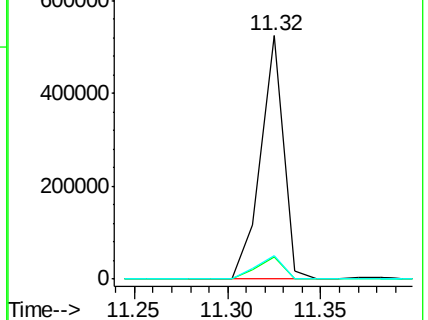
80 9.6 10.0 15.0#

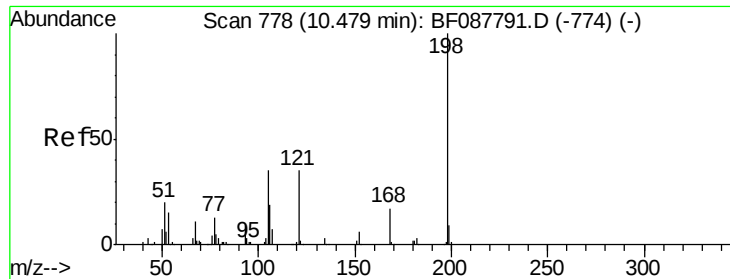


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

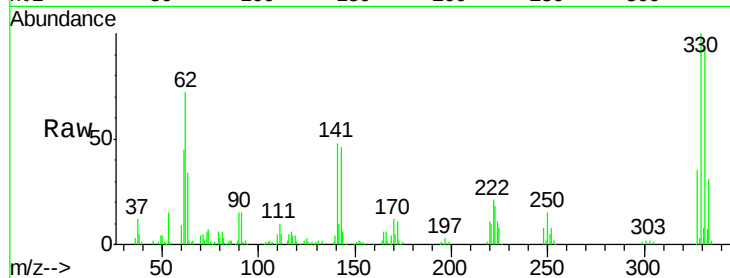




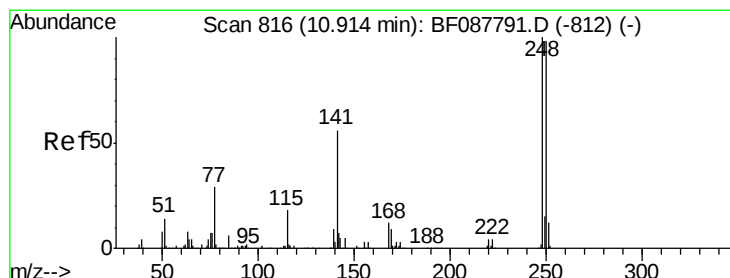
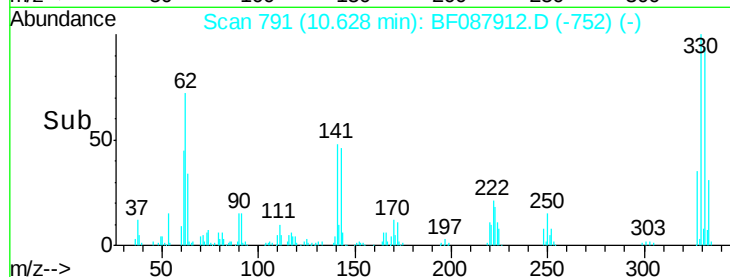
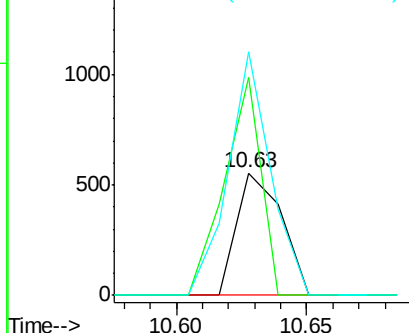
#64
4,6-Dinitro-2-methylphenol
Concen: 2.39 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087912.D
Acq: 11 Jun 2016 20:03

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW3

Tot Ion:198 Resp: 664
Ion Ratio Lower Upper
198 100
51 178.2 39.6 79.6#
105 198.6 36.6 76.6#

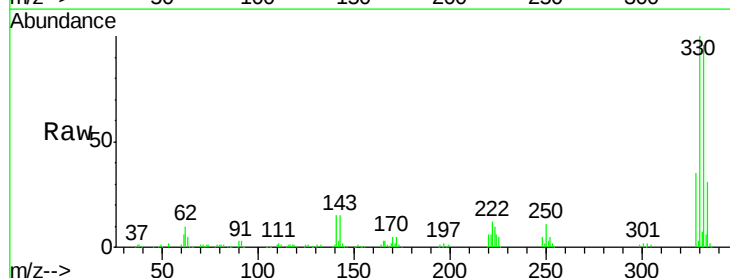


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

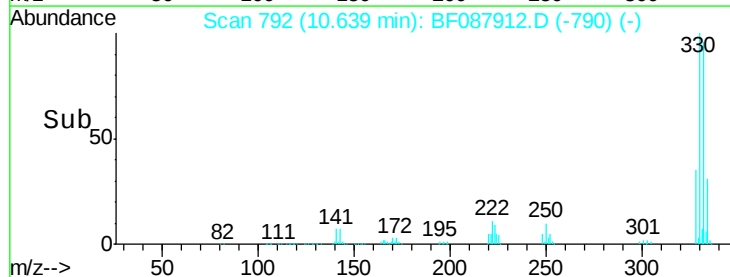
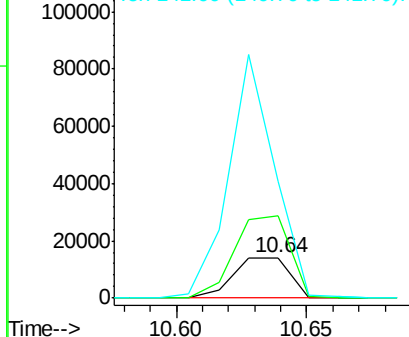


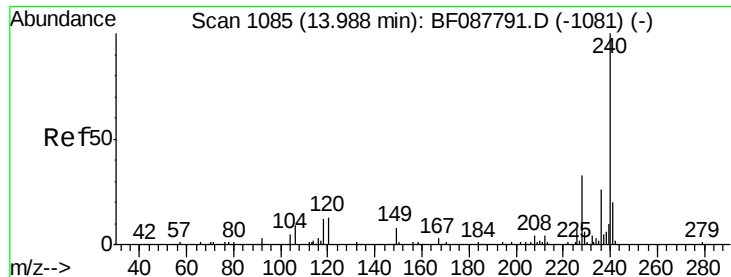
#66
4-Bromophenyl-phenylether
Concen: 4.32 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.27 min
Lab File: BF087912.D
Acq: 11 Jun 2016 20:03

Tgt Ion:248 Resp: 21108
Ion Ratio Lower Upper
248 100
250 202.7 77.1 115.7#
141 288.5 50.6 76.0#



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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW3

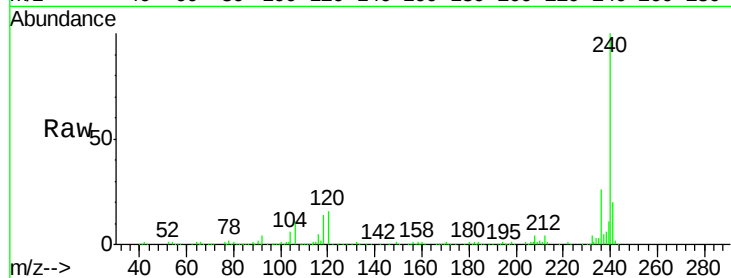
Tot Ion:240 Resp: 359362

Ion Ratio Lower Upper

240 100

120 16.0 6.8 10.2#

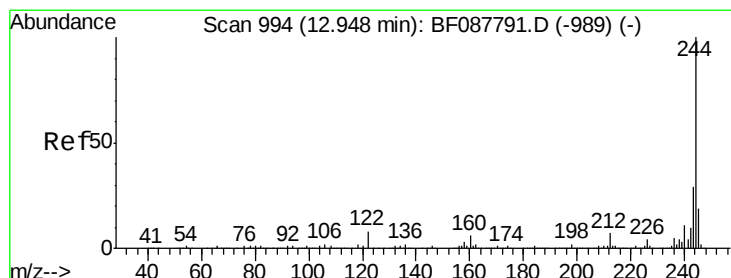
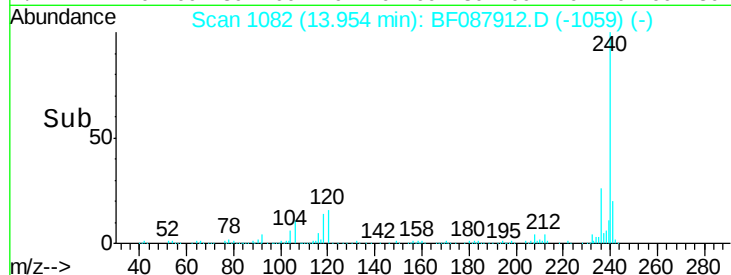
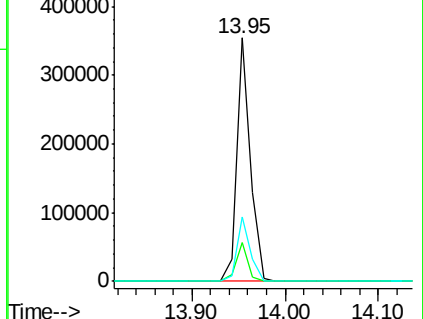
236 26.2 20.2 30.2



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: 70.67 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087912.D

Acq: 11 Jun 2016 20:03

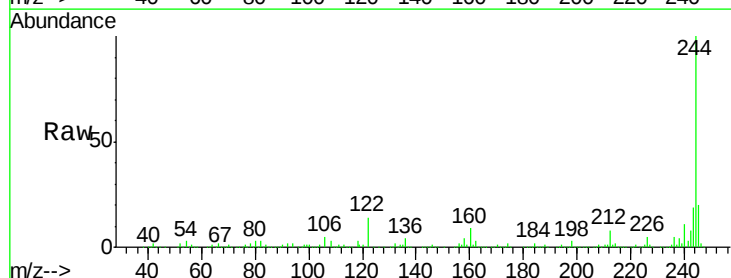
Tgt Ion:244 Resp: 1115963

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

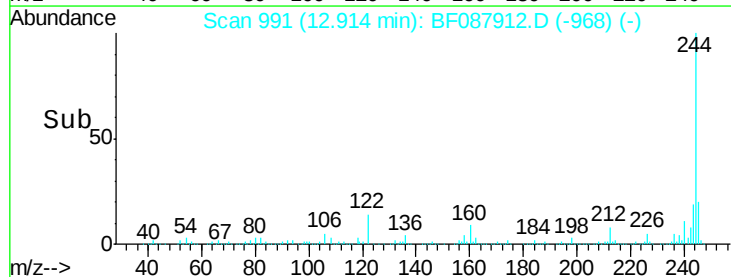
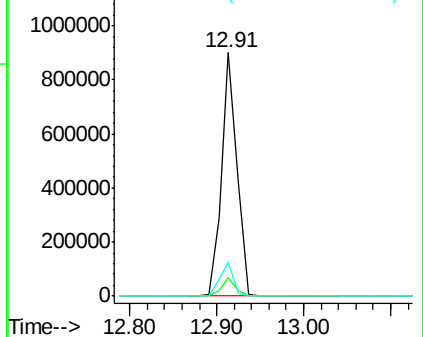
122 14.0 11.2 16.8

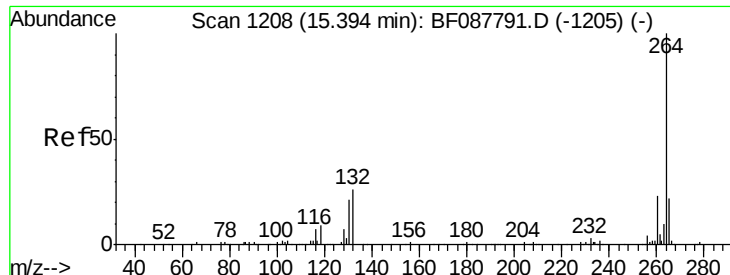


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087912.D
Acq: 11 Jun 2016 20:03

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	16.9	25.3

