

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087910.D
 Acq On : 11 Jun 2016 19:05
 Operator : UM/SJ
 Sample : H3887-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW4

Quant Time: Jun 12 04:40:52 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	103944	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	422031	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	191954	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	423811	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	356875	20.00	ng	-0.03
86) Perylene-d12	15.37	264	303004	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	406914	66.92	ng	-0.03
7) Phenol-d6	6.43	99	309521	42.00	ng	-0.05
23) Nitrobenzene-d5	7.37	82	717108	99.22	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	296830	146.45	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1216177	100.54	ng	-0.03
78) Terphenyl-d14	12.91	244	1144812	73.00	ng	-0.03

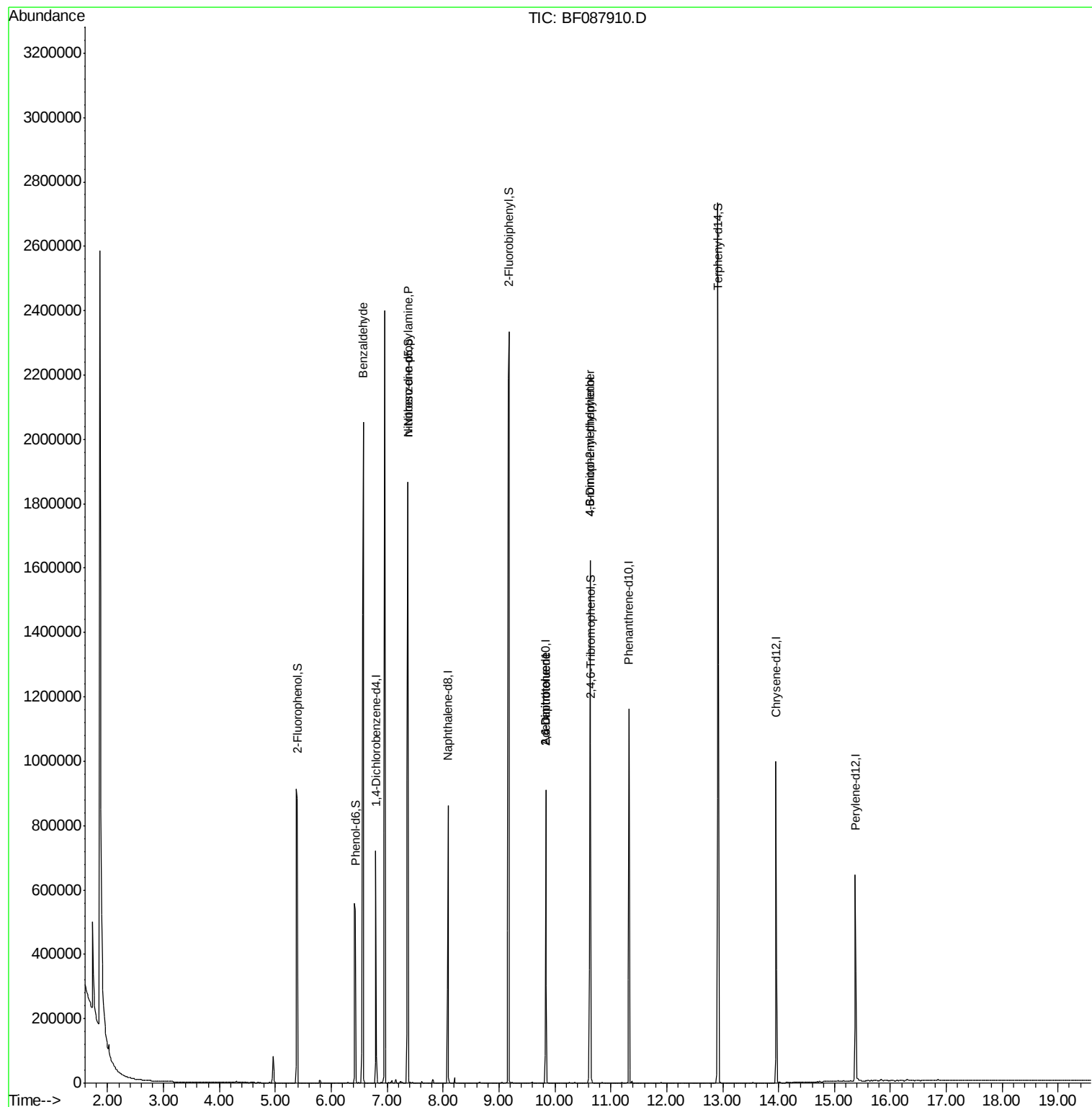
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	16239	3.04	ng	# 76
10) Phenol	6.57	94	1477	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	95339	20.22	ng	# 71
45) 1,1'-Biphenyl	9.16	154	2175	Below Cal		# 1
50) 2,6-Dinitrotoluene	9.84	165	24776	7.78	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	24777	6.05	ng	# 37
57) Fluorene	10.63	166	12797	Below Cal		# 88
64) 4,6-Dinitro-2-methylphenol	10.63	198	579	2.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	18742	4.12	ng	# 1

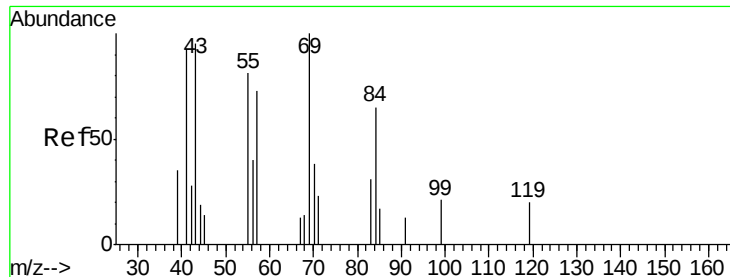
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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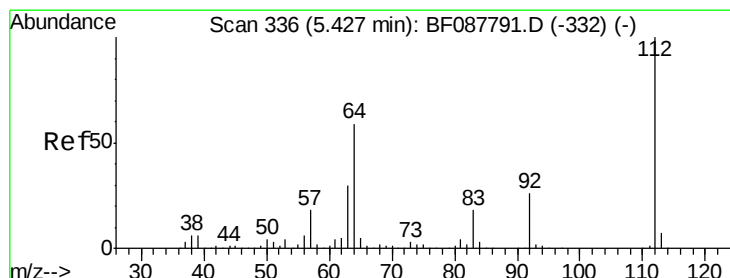
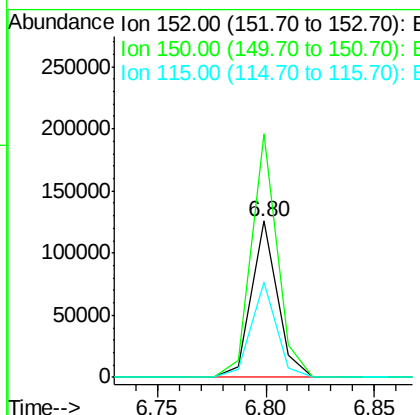
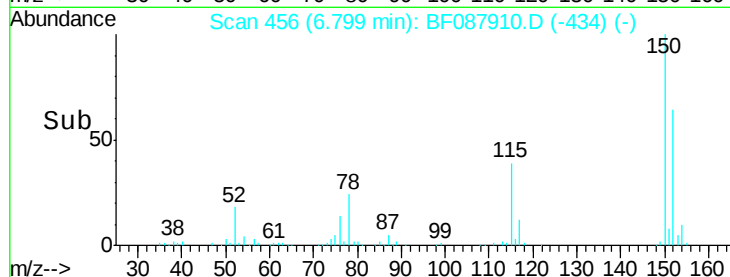
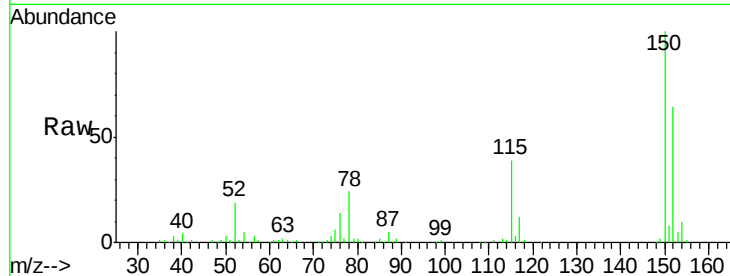




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087910.D
 Acq: 11 Jun 2016 19:05

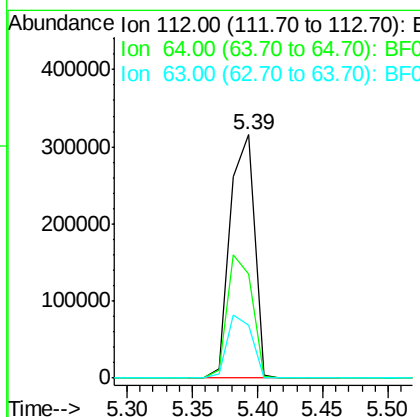
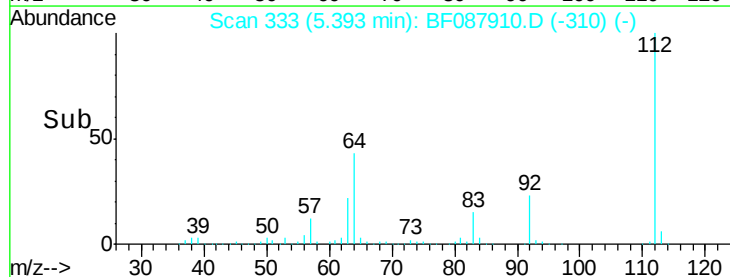
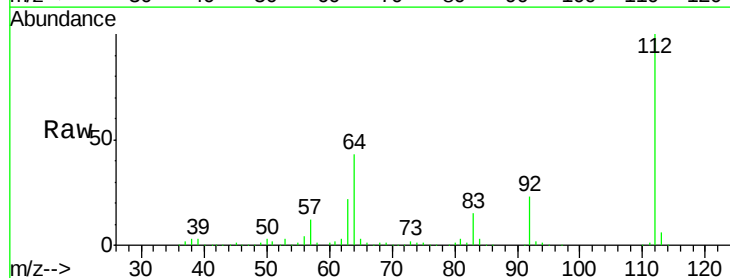
Instrument :
 BNA_F
 ClientSampleId :
 SP16-LF2MW4

Tot Ion:152 Resp: 103944
 Ion Ratio Lower Upper
 152 100
 150 156.0 123.8 185.6
 115 60.8 39.6 59.4#



#5
 2-Fluorophenol
 Concen: 66.92 ng
 RT: 5.39 min Scan# 333
 Delta R.T. -0.03 min
 Lab File: BF087910.D
 Acq: 11 Jun 2016 19:05

Tgt Ion:112 Resp: 406914
 Ion Ratio Lower Upper
 112 100
 64 43.0 42.2 63.2
 63 21.8 21.8 32.8





#7

Phenol-d6

Concen: 42.00 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.05 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

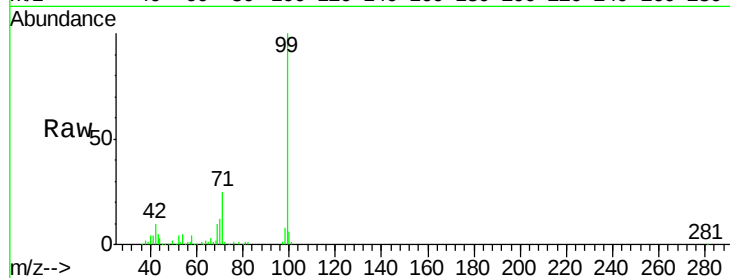
Tot Ion: 99 Resp: 309521

Ion Ratio Lower Upper

99 100

42 10.5 12.2 18.2#

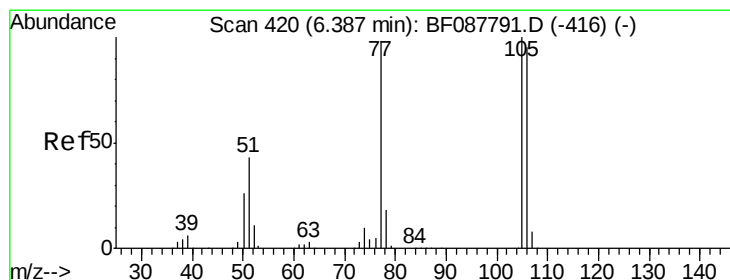
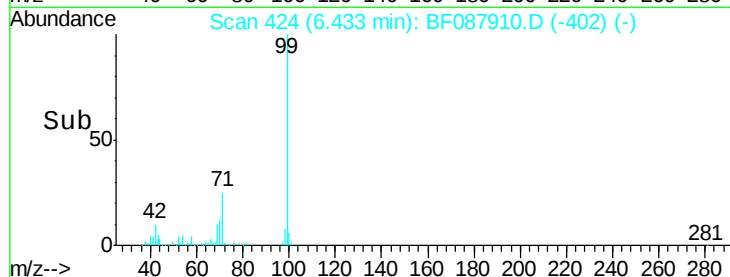
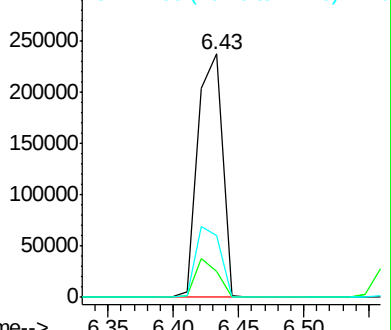
71 25.2 23.4 35.0



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: 3.04 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

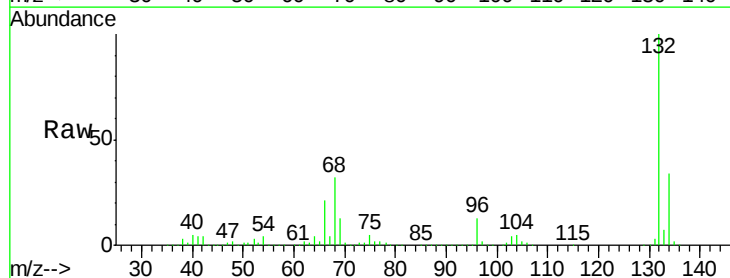
Tgt Ion: 77 Resp: 16239

Ion Ratio Lower Upper

77 100

105 87.5 90.6 130.6#

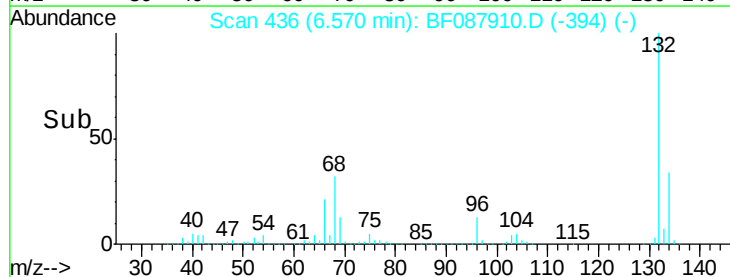
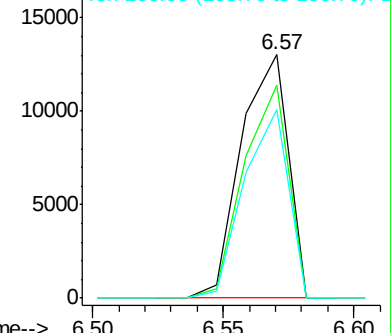
106 77.5 85.3 125.3#

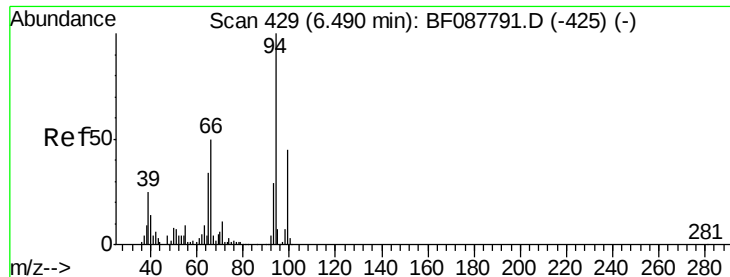


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.57 min Scan# 436

Delta R.T. 0.08 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

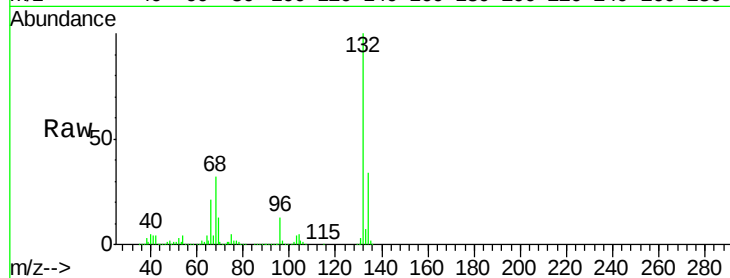
Tot Ion: 94 Resp: 1477

Ion Ratio Lower Upper

94 100

65 940.8 5.9 45.9#

66 10798.5 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

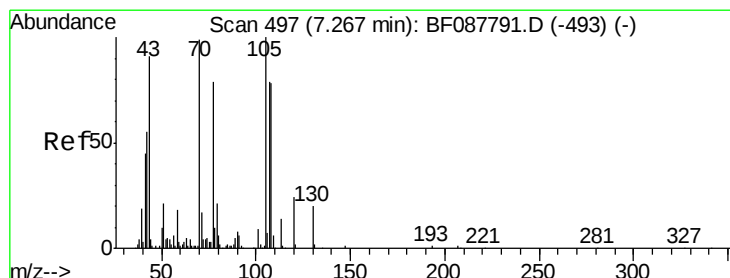
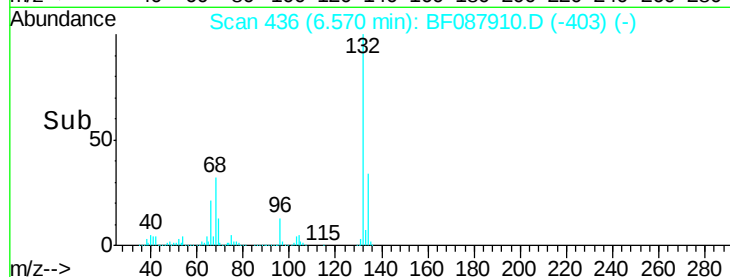
150000

100000

50000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 20.22 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Tgt Ion: 70 Resp: 95339

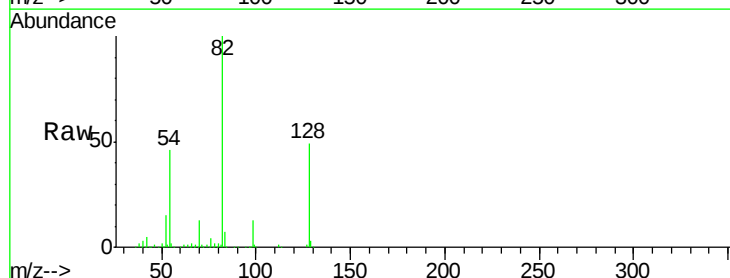
Ion Ratio Lower Upper

70 100

42 40.9 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

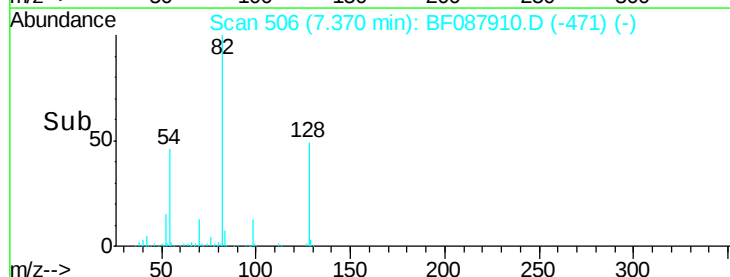
Ion 130.00 (129.70 to 130.70): BF0

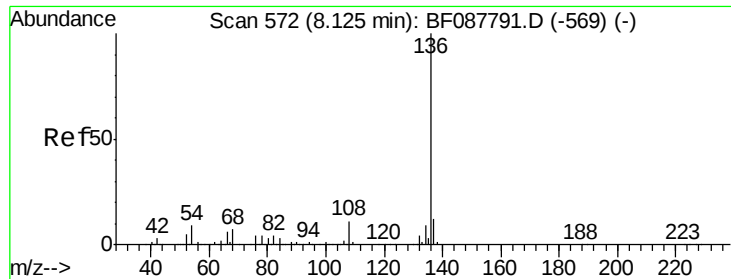
100000

50000

0

Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

Tot Ion:136 Resp: 422031

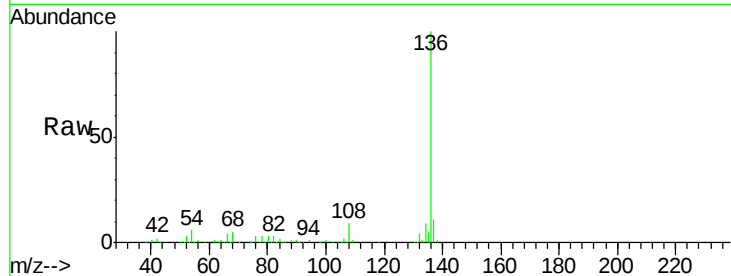
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.3 6.6 10.0#

68 5.2 5.1 7.7

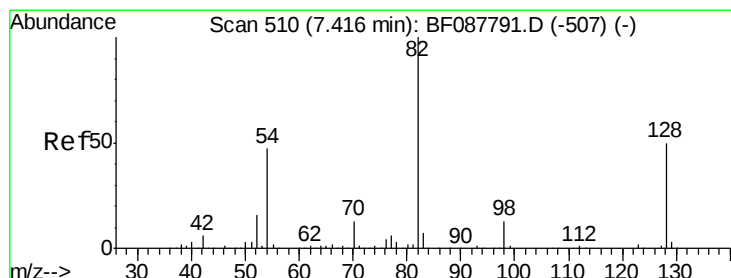
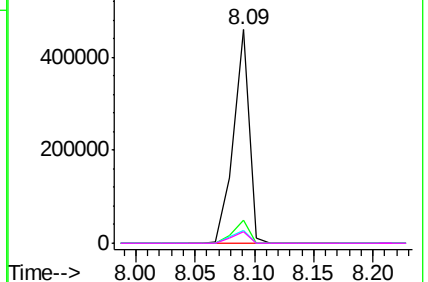
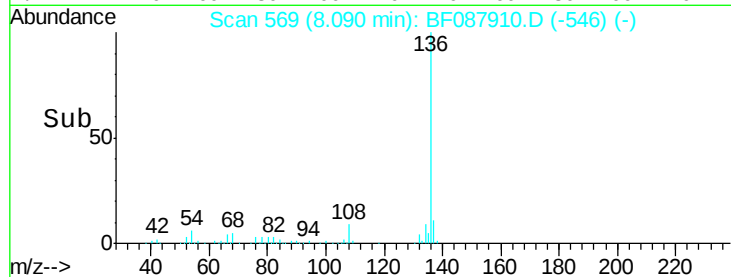


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.22 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

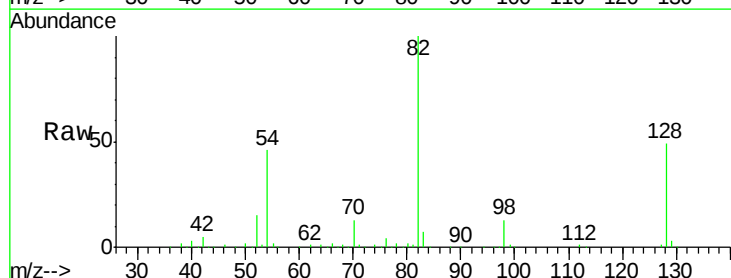
Tgt Ion: 82 Resp: 717108

Ion Ratio Lower Upper

82 100

128 49.2 35.9 53.9

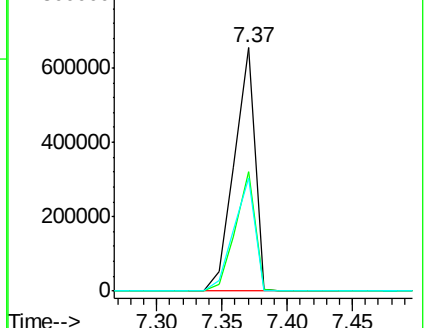
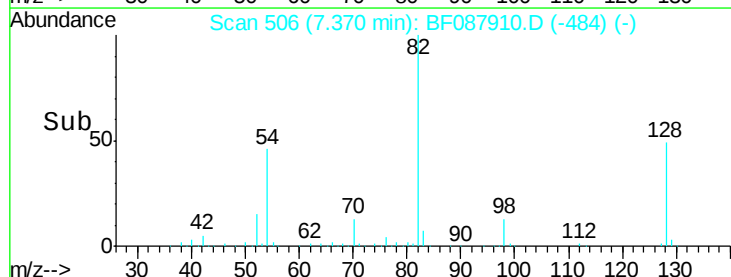
54 46.4 40.9 61.3

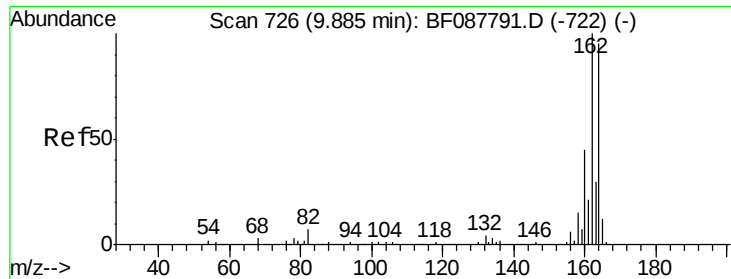


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

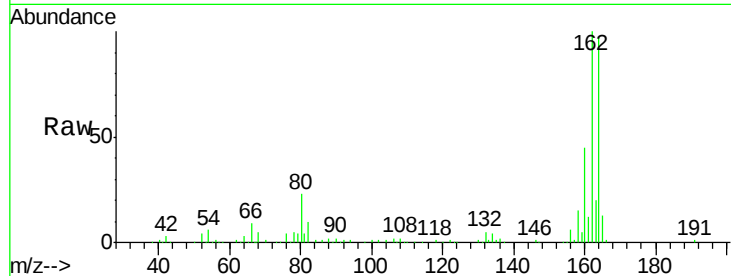
Tot Ion:164 Resp: 191954

Ion Ratio Lower Upper

164 100

162 103.4 85.4 128.2

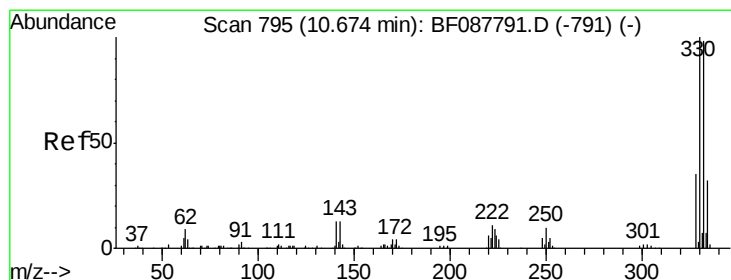
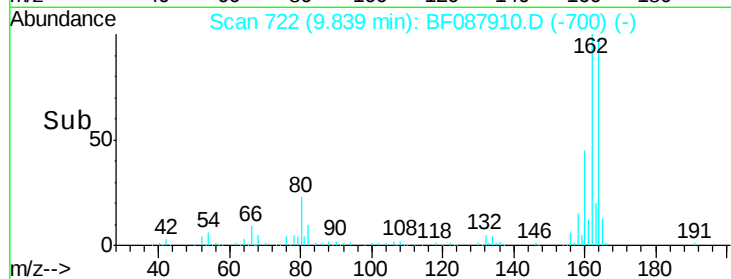
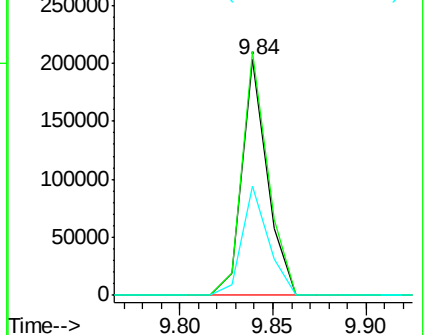
160 46.4 39.5 59.3



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: 146.45 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

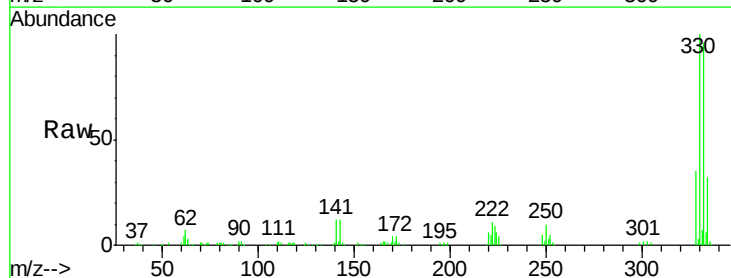
Tgt Ion:330 Resp: 296830

Ion Ratio Lower Upper

330 100

332 94.8 0.0 0.0#

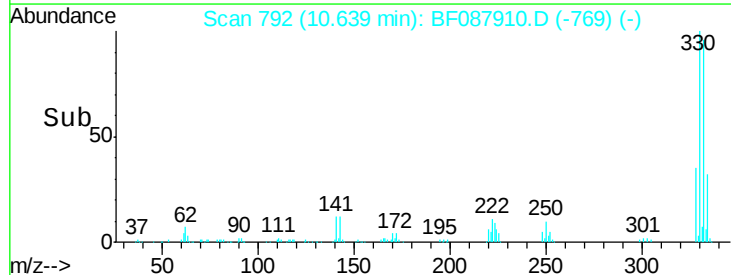
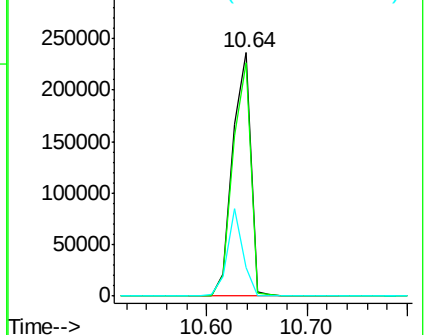
141 31.1 0.0 0.0#

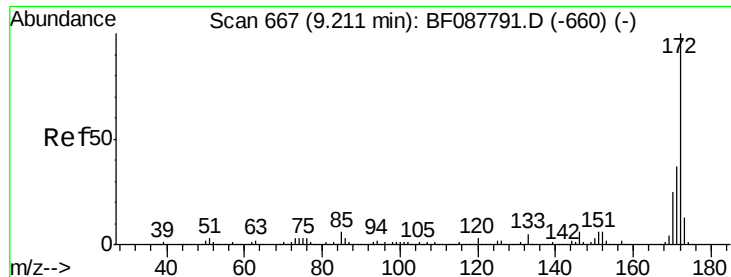


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 100.54 ng

RT: 9.18 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

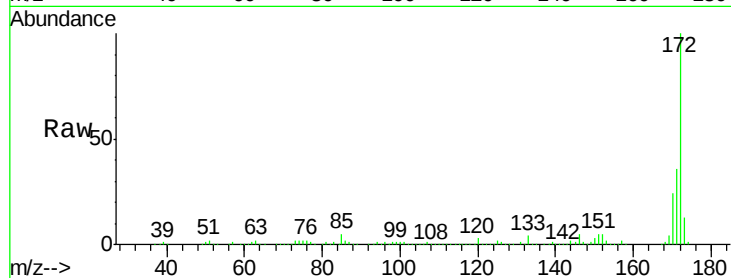
BNA_F

ClientSampleId :

SP16-LF2MW4

Tot Ion:172 Resp: 1216177

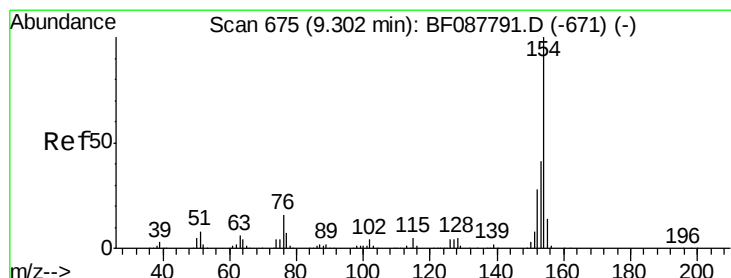
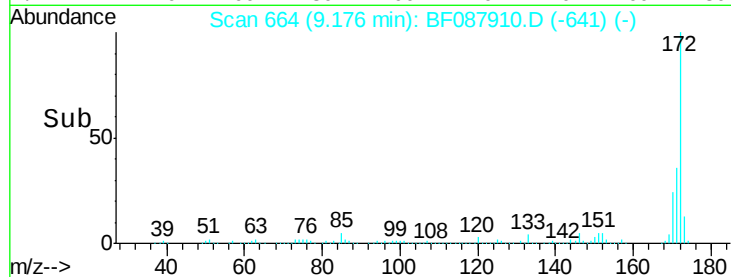
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.2	19.2	28.8



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: 9.16 min Scan# 663

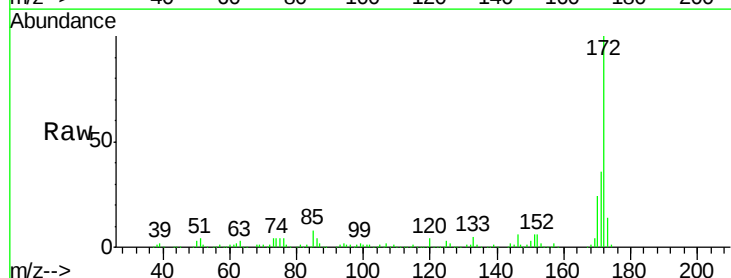
Delta R.T. -0.14 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Tgt Ion:154 Resp: 2175

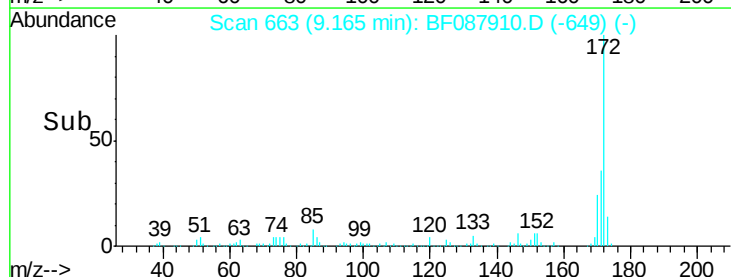
Ion	Ratio	Lower	Upper
154	100		
153	934.5	20.6	60.6#
76	1989.6	0.0	35.1#

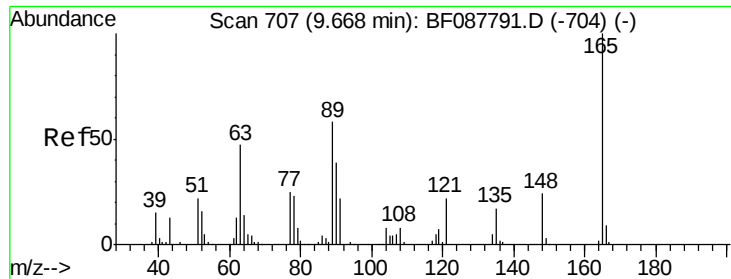


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

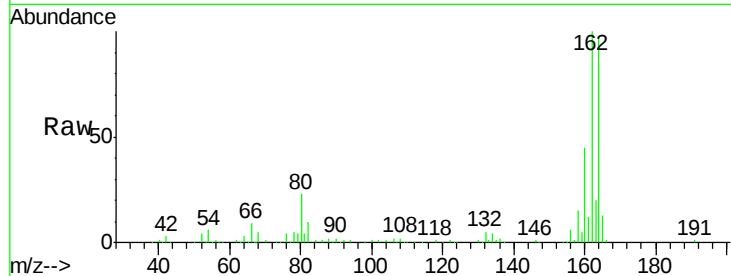




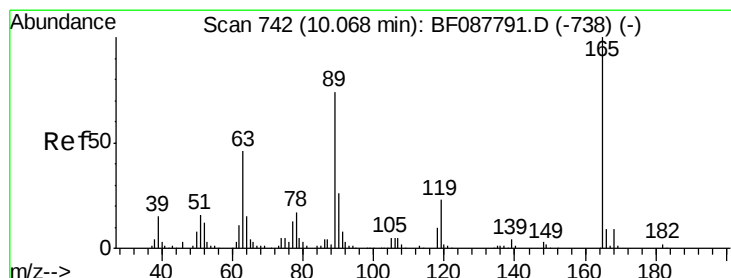
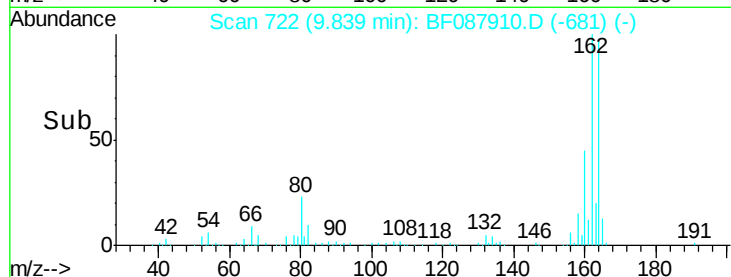
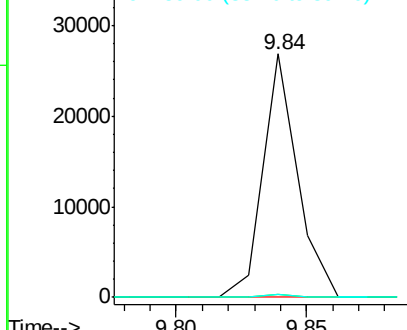
#50
2,6-Dinitrotoluene
Concen: 7.78 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.17 min
Lab File: BF087910.D
Acq: 11 Jun 2016 19:05

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW4

Tot Ion:165 Resp: 24776
Ion Ratio Lower Upper
165 100
63 1.3 28.1 42.1#
89 1.1 32.2 48.2#



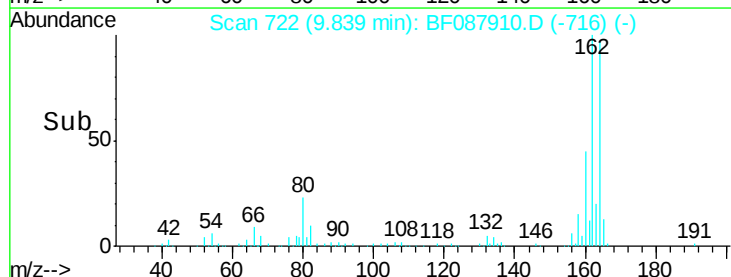
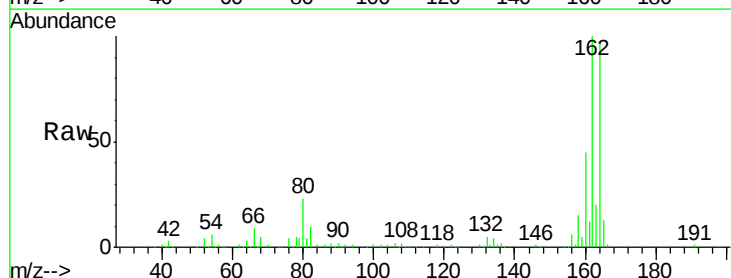
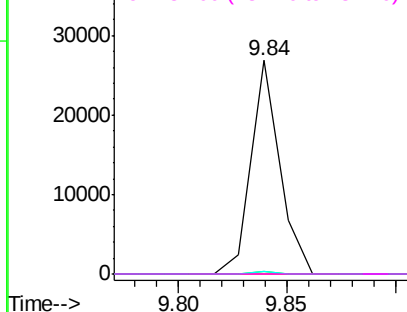
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

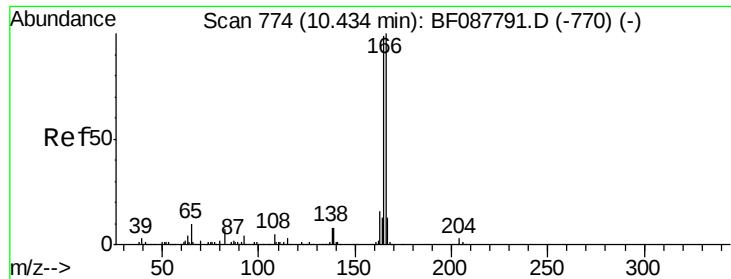


#56
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.23 min
Lab File: BF087910.D
Acq: 11 Jun 2016 19:05

Tgt Ion:165 Resp: 24777
Ion Ratio Lower Upper
165 100
63 1.3 22.0 33.0#
89 1.1 41.1 61.7#
182 0.0 2.0 3.0#

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: Below Cal

RT: 10.63 min Scan# 791

Delta R.T. 0.19 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

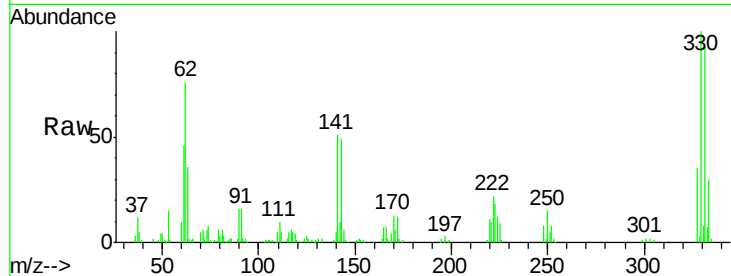
Tot Ion:166 Resp: 12797

Ion Ratio Lower Upper

166 100

165 104.5 77.8 116.8

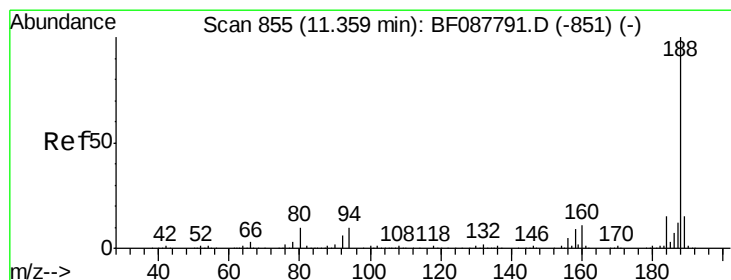
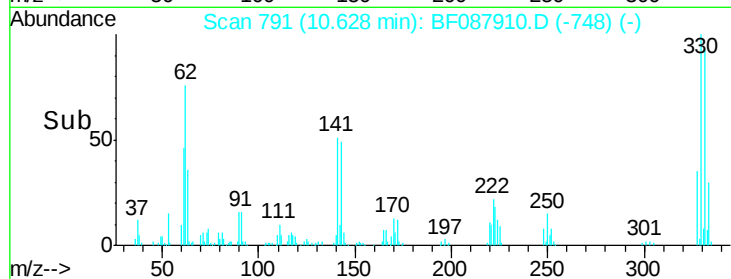
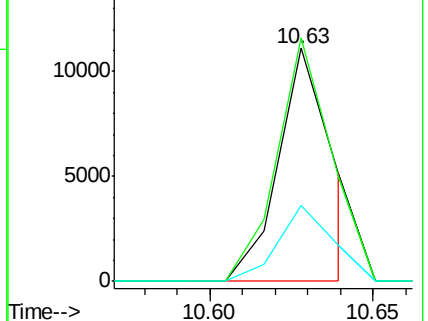
167 32.6 11.2 16.8#



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: BF087910.D

Acq: 11 Jun 2016 19:05

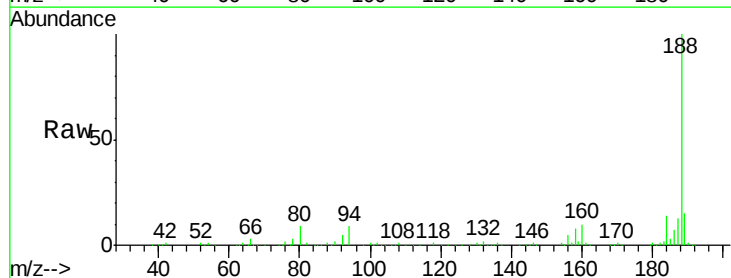
Tgt Ion:188 Resp: 423811

Ion Ratio Lower Upper

188 100

94 9.3 9.0 13.6

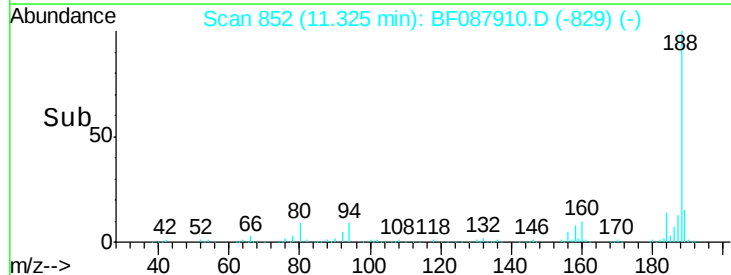
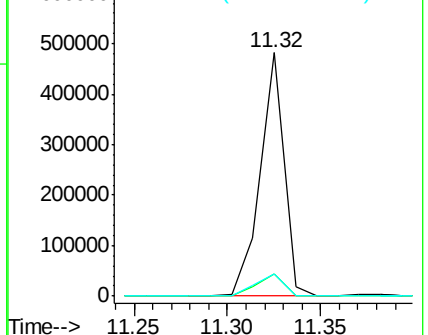
80 9.4 10.0 15.0#

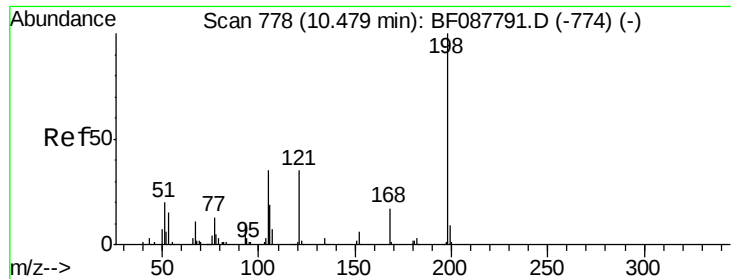


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.37 ng

RT: 10.63 min Scan# 791

Delta R.T. 0.15 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

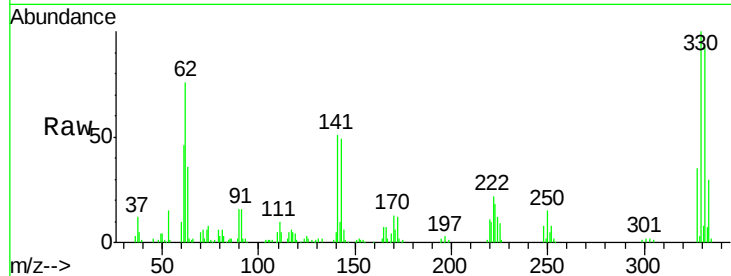
Tot Ion:198 Resp: 579

Ion Ratio Lower Upper

198 100

51 202.1 39.6 79.6#

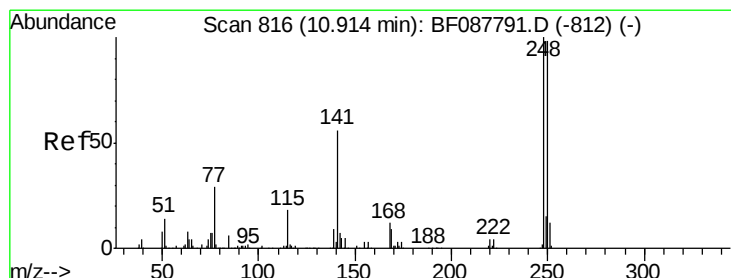
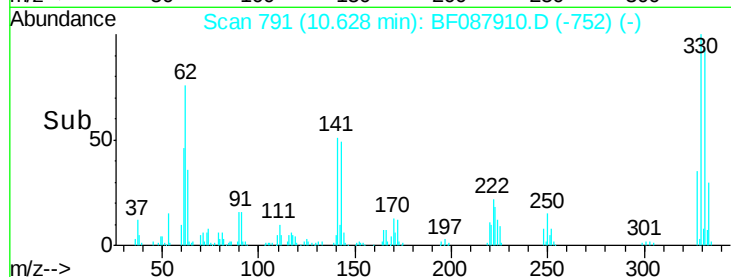
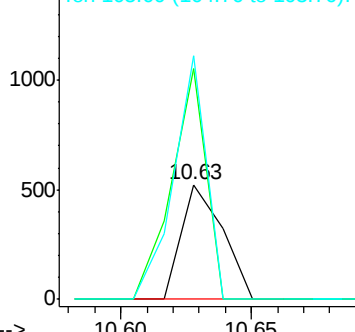
105 212.6 36.6 76.6#



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: 4.12 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.29 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

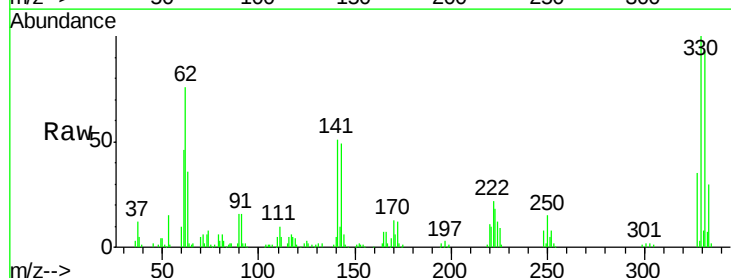
Tgt Ion:248 Resp: 18742

Ion Ratio Lower Upper

248 100

250 189.9 77.1 115.7#

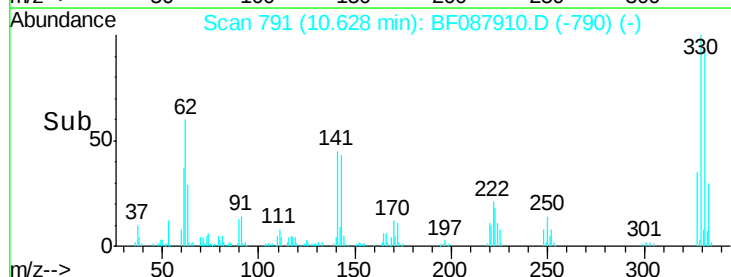
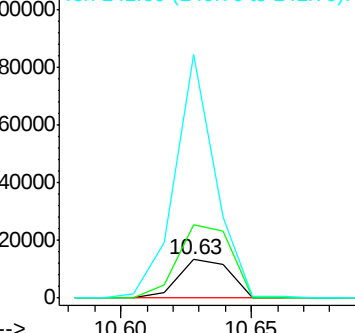
141 630.7 50.6 76.0#

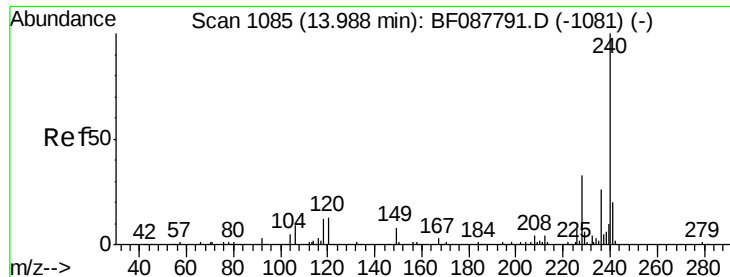


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF087910.D

Acq: 11 Jun 2016 19:05

Instrument :

BNA_F

ClientSampleId :

SP16-LF2MW4

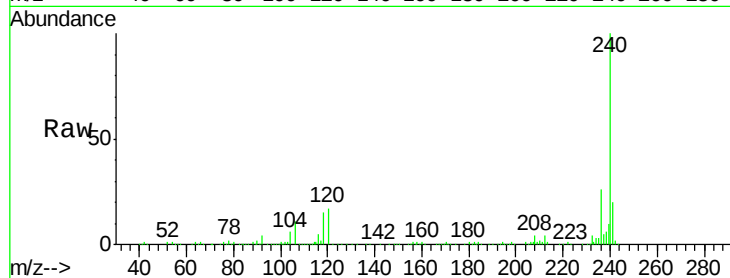
Tot Ion:240 Resp: 356875

Ion Ratio Lower Upper

240 100

120 16.6 6.8 10.2#

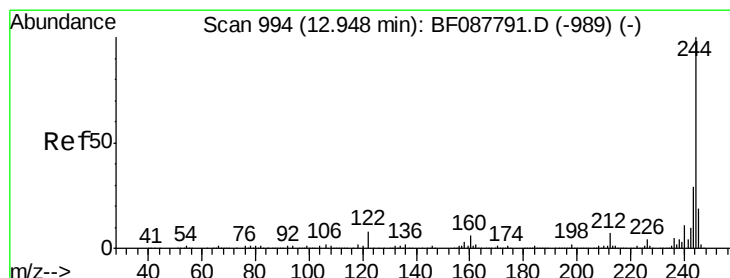
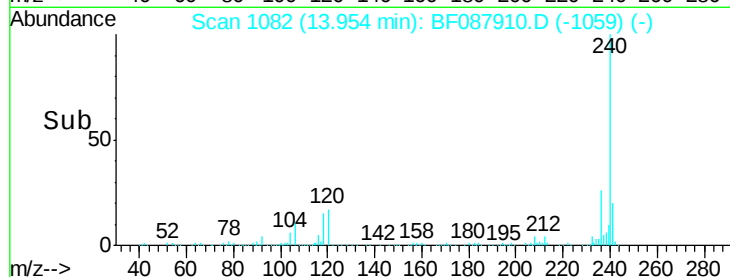
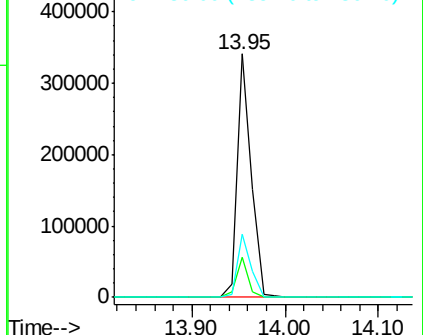
236 25.9 20.2 30.2



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: 73.00 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087910.D

Acq: 11 Jun 2016 19:05

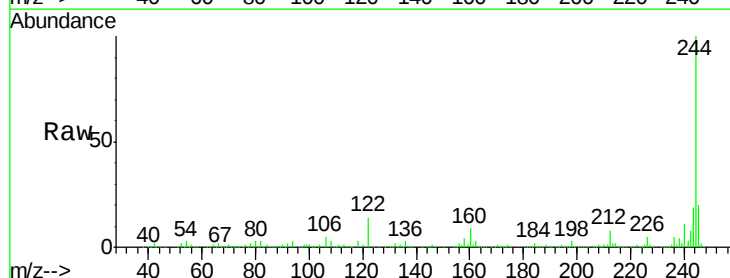
Tgt Ion:244 Resp: 1144812

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

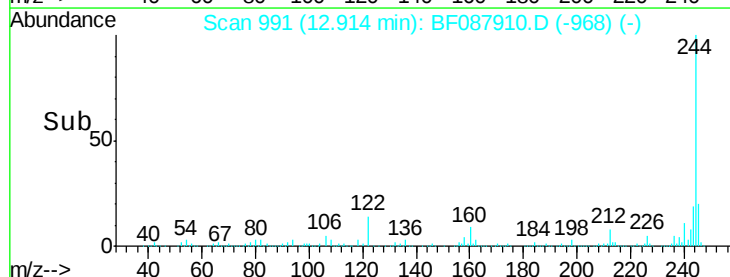
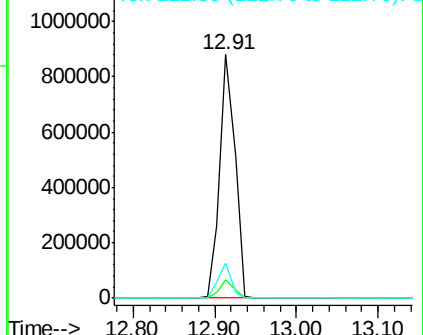
122 14.2 11.2 16.8

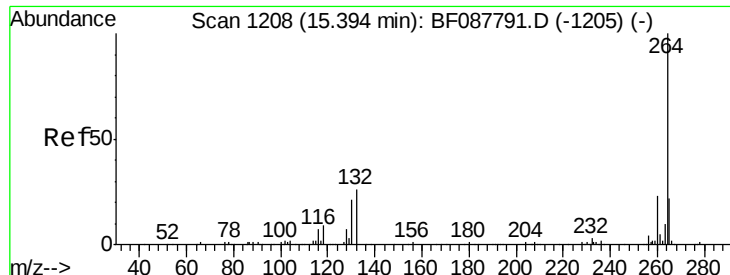


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF087910.D
Acq: 11 Jun 2016 19:05

Instrument :
BNA_F
ClientSampleId :
SP16-LF2MW4

Tot Ion:264 Resp: 303004

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

