

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061116\
 Data File : BF087929.D
 Acq On : 12 Jun 2016 5:22
 Operator : UM/SJ
 Sample : H3501-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EQUIPMENT-RINSEBLANK

Quant Time: Jun 12 06:02:22 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

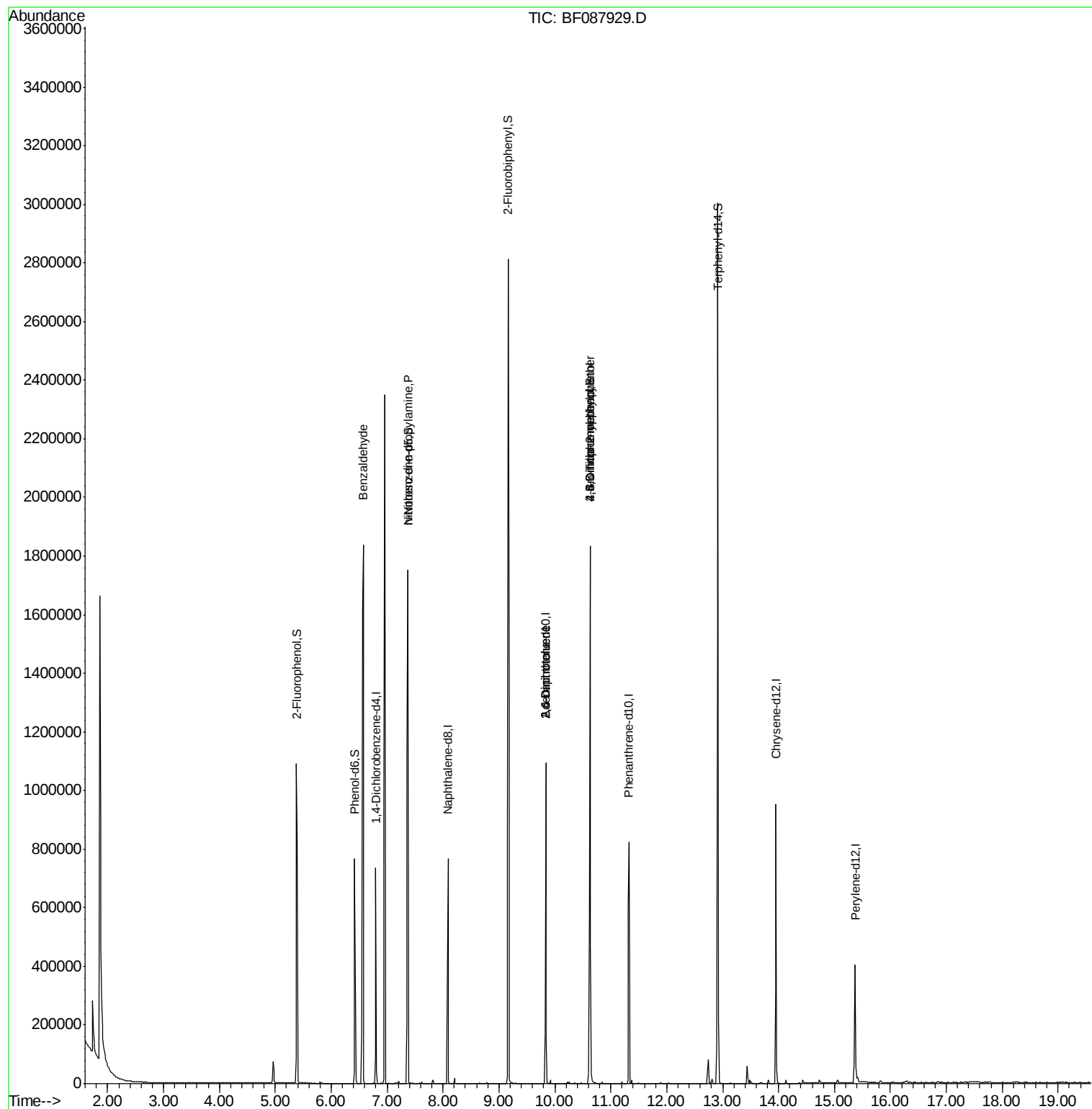
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106441	20.00	ng	-0.05
21) Naphthalene-d8	8.09	136	427293	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	212246	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	402132	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	339681	20.00	ng	-0.03
86) Perylene-d12	15.37	264	242517	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	442938	71.14	ng	-0.05
7) Phenol-d6	6.42	99	331911	43.99	ng	-0.06
23) Nitrobenzene-d5	7.37	82	739304	101.03	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	265116	118.30	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1212784	90.10	ng	-0.05
78) Terphenyl-d14	12.91	244	1083253	72.57	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.57	77	16218	2.98	ng	# 79
10) Phenol	6.57	94	1383	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	97547	20.21	ng	# 69
45) 1,1'-Biphenyl	9.16	154	2256	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.84	165	26970	7.66	ng	# 39
56) 2,4-Dinitrotoluene	9.84	165	26972	5.96	ng	# 38
57) Fluorene	10.63	166	12157	Below Cal	#	89
64) 4,6-Dinitro-2-methylphenol	10.63	198	394	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	16204	3.76	ng	# 1

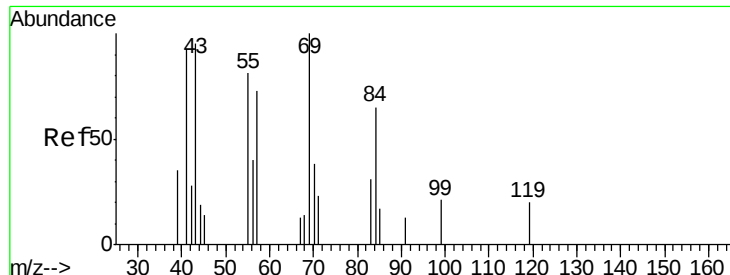
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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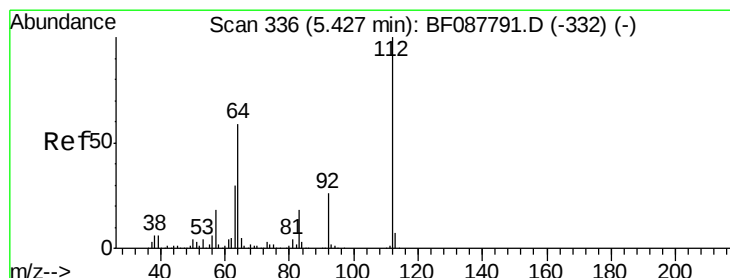
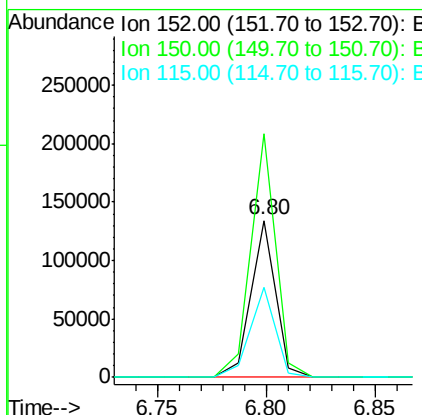
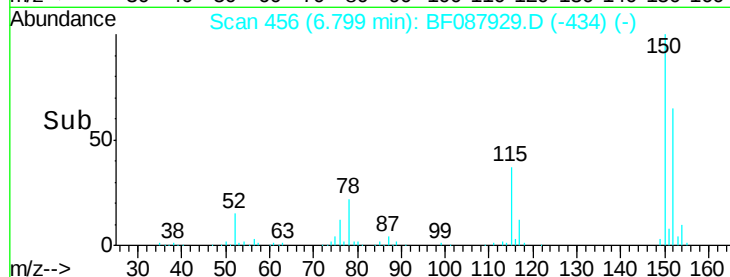
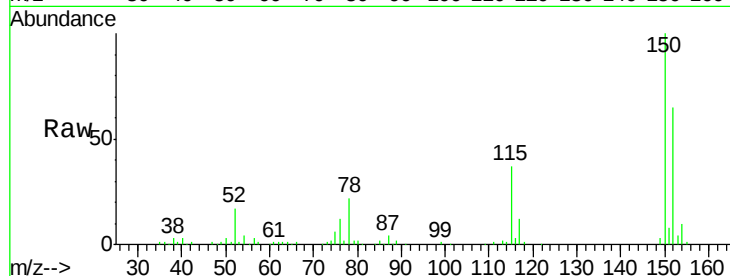




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF087929.D
 Acq: 12 Jun 2016 5:22

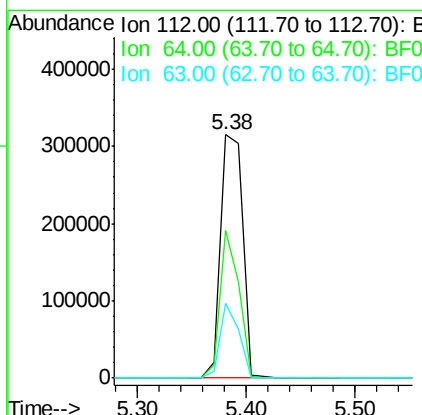
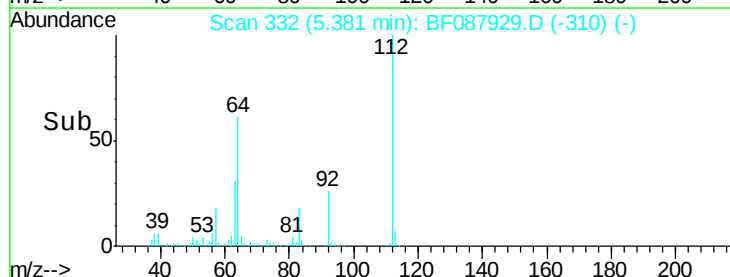
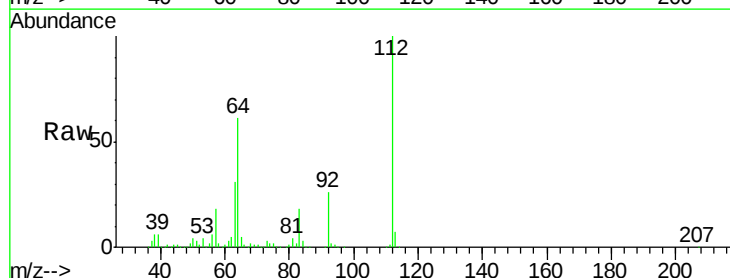
Instrument :
 BNA_F
 ClientSampleId :
 EQUIPMENT-RINSEBLANK

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.8	185.6
115	56.9	39.6	59.4



#5
 2-Fluorophenol
 Concen: 71.14 ng
 RT: 5.38 min Scan# 332
 Delta R.T. -0.05 min
 Lab File: BF087929.D
 Acq: 12 Jun 2016 5:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	42.2	63.2
63	30.6	21.8	32.8





#7

Phenol-d6

Concen: 43.99 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.06 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

Instrument :

BNA_F

ClientSampleId :

EQUIPMENT-RINSEBLANK

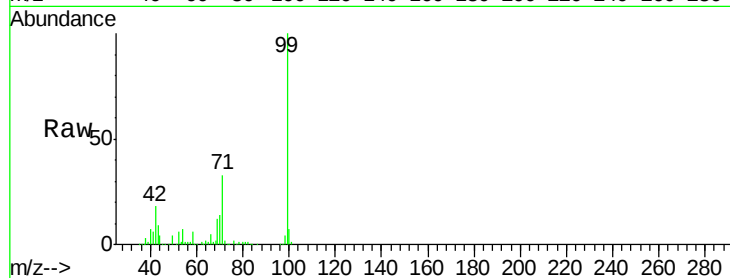
Tot Ion: 99 Resp: 331911

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

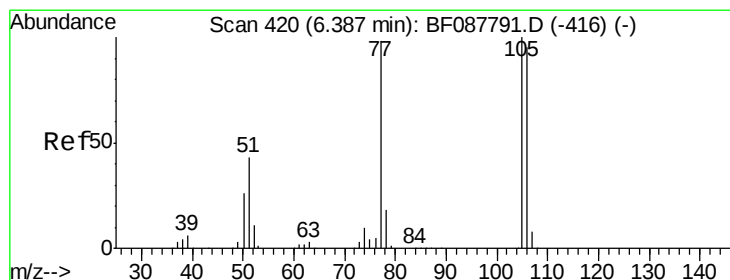
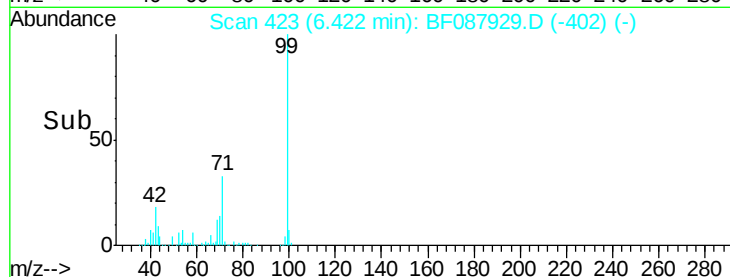
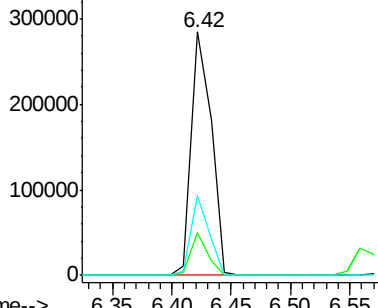
71 32.9 23.4 35.0



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: 2.98 ng

RT: 6.57 min Scan# 436

Delta R.T. 0.18 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

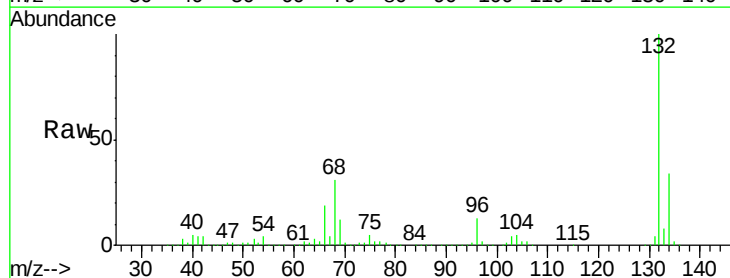
Tgt Ion: 77 Resp: 16218

Ion Ratio Lower Upper

77 100

105 90.5 90.6 130.6#

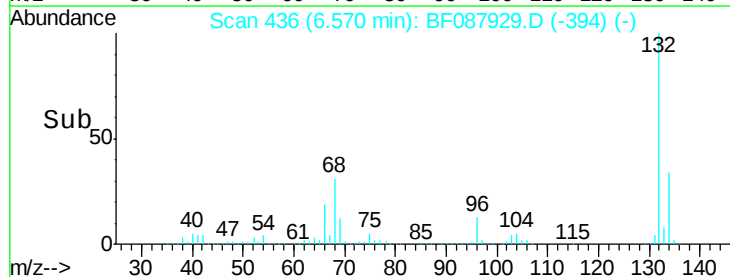
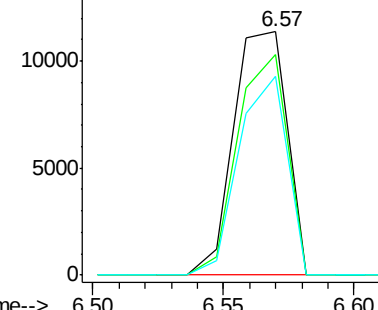
106 81.9 85.3 125.3#

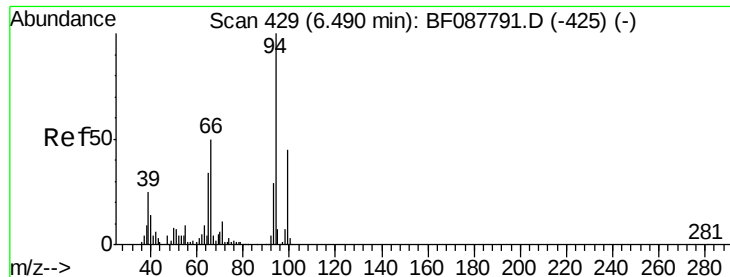


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF087929.D

Acq: 12 Jun 2016 5:22

Instrument :

BNA_F

ClientSampleId :

EQUIPMENT-RINSEBLANK

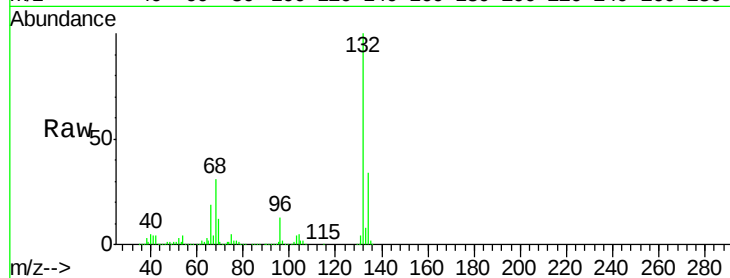
Tot Ion: 94 Resp: 1383

Ion Ratio Lower Upper

94 100

65 1013.5 5.9 45.9#

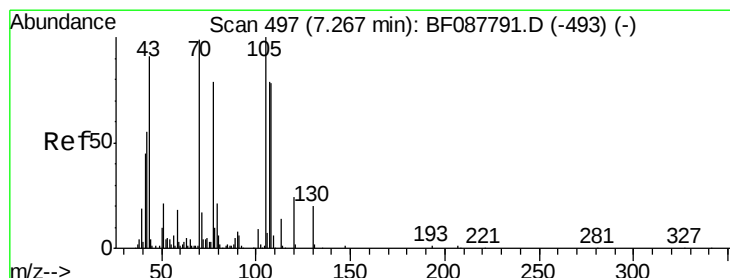
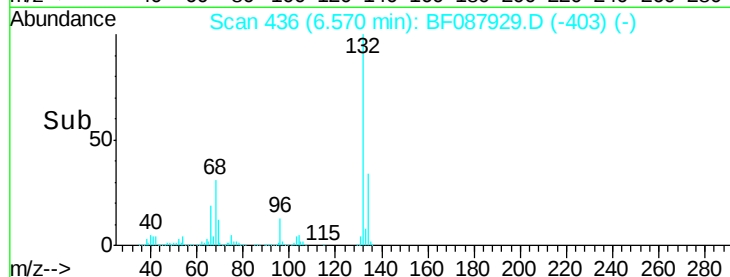
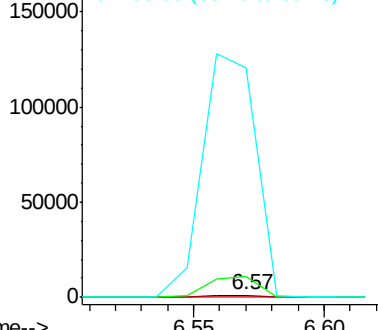
66 11373.3 14.0 54.0#



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: 20.21 ng

RT: 7.37 min Scan# 506

Delta R.T. 0.10 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

Tgt Ion: 70 Resp: 97547

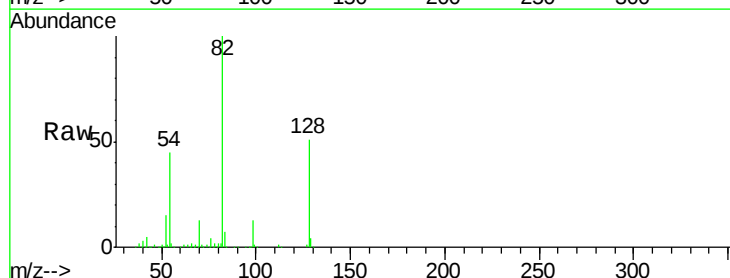
Ion Ratio Lower Upper

70 100

42 39.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.7 15.4 23.2#

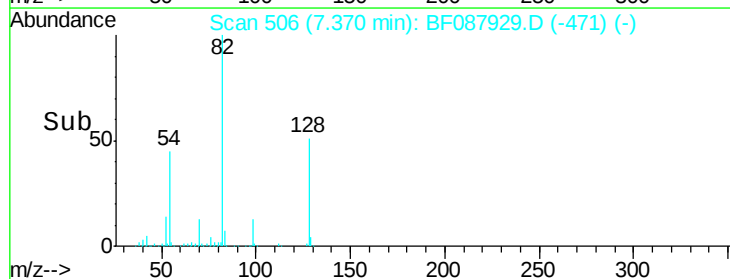
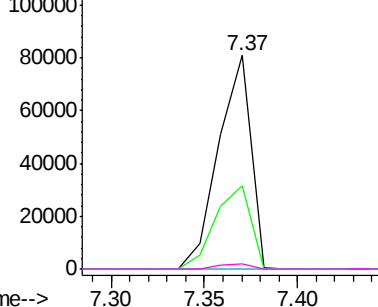


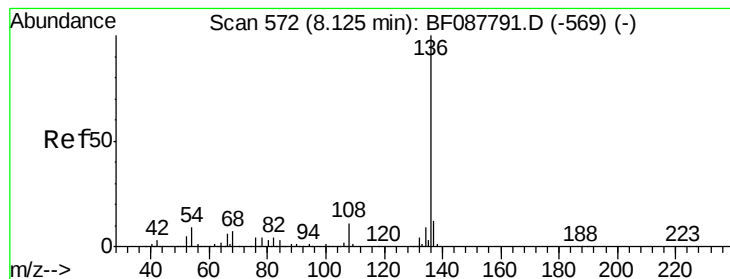
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF087929.D

Acq: 12 Jun 2016 5:22

Instrument :

BNA_F

ClientSampleId :

EQUIPMENT-RINSEBLANK

Tot Ion:136 Resp: 427293

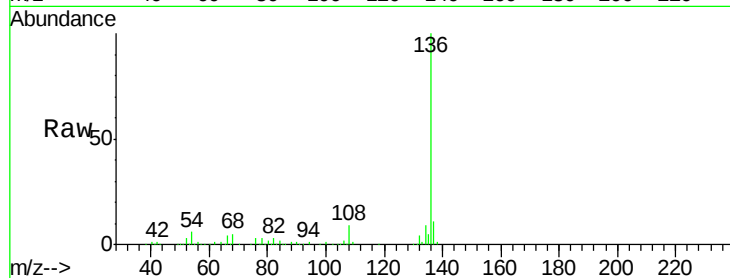
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.6 6.6 10.0#

68 4.8 5.1 7.7#

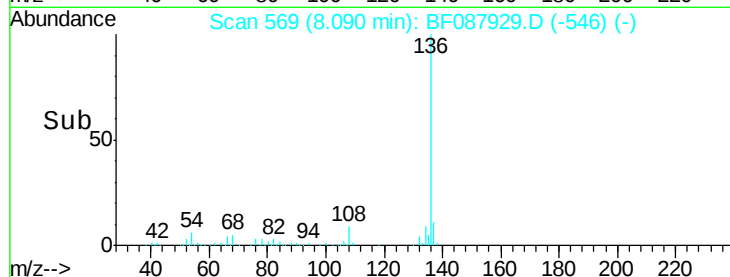


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

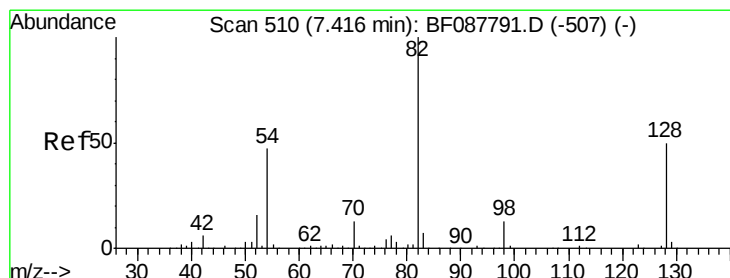
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.09



#23

Nitrobenzene-d5

Concen: 101.03 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.05 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

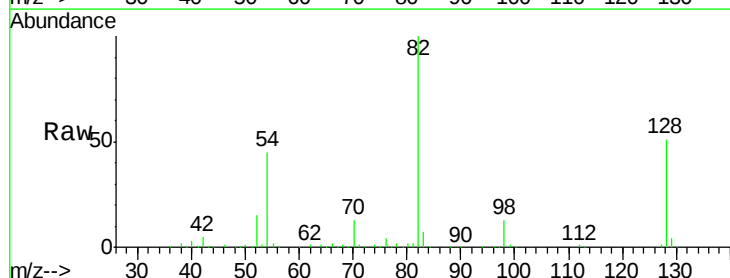
Tgt Ion: 82 Resp: 739304

Ion Ratio Lower Upper

82 100

128 50.9 35.9 53.9

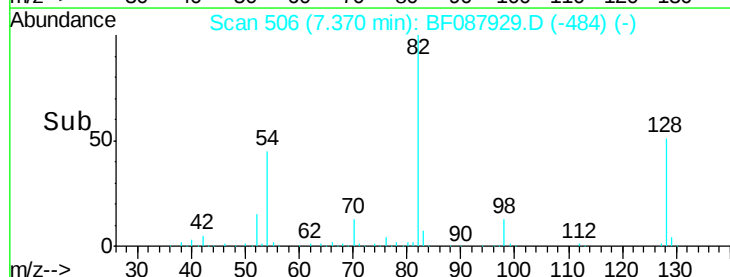
54 45.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

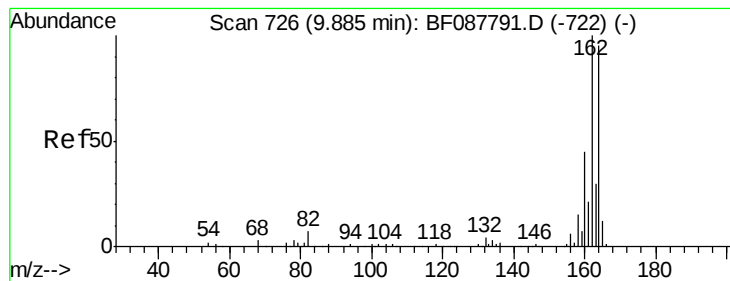
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.37



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 722

Delta R.T. -0.05 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

Instrument :

BNA_F

ClientSampleId :

EQUIPMENT-RINSEBLANK

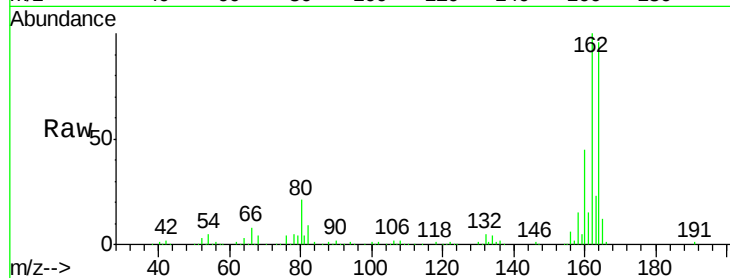
Tot Ion:164 Resp: 212246

Ion Ratio Lower Upper

164 100

162 103.7 85.4 128.2

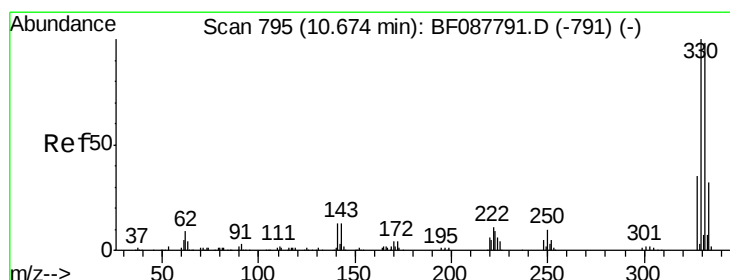
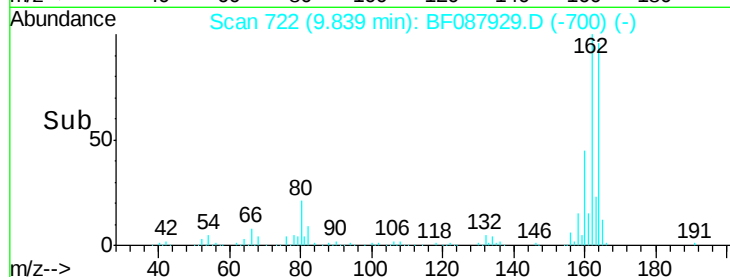
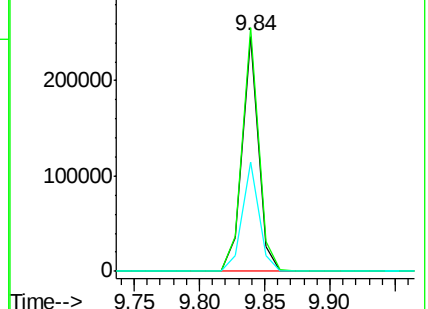
160 46.6 39.5 59.3



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: 118.30 ng

RT: 10.63 min Scan# 791

Delta R.T. -0.05 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

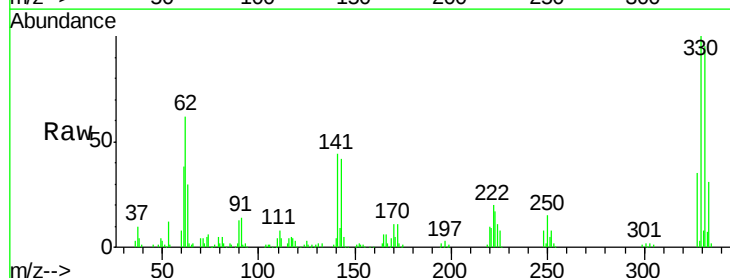
Tgt Ion:330 Resp: 265116

Ion Ratio Lower Upper

330 100

332 96.2 0.0 0.0#

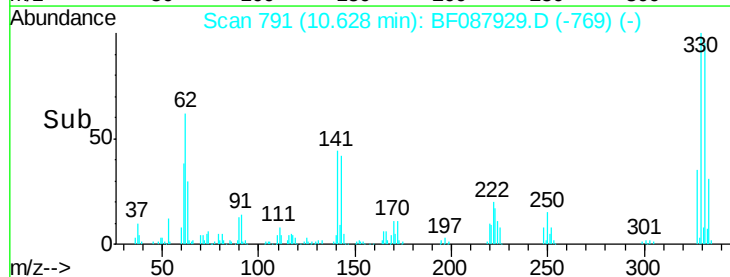
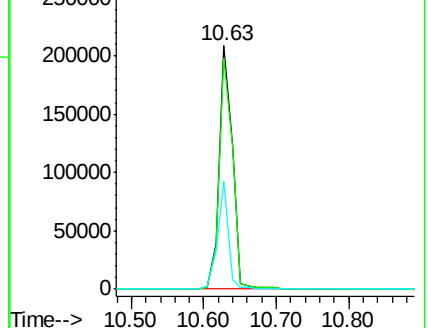
141 35.9 0.0 0.0#

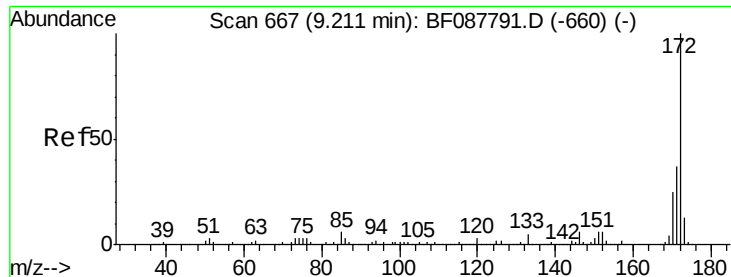


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

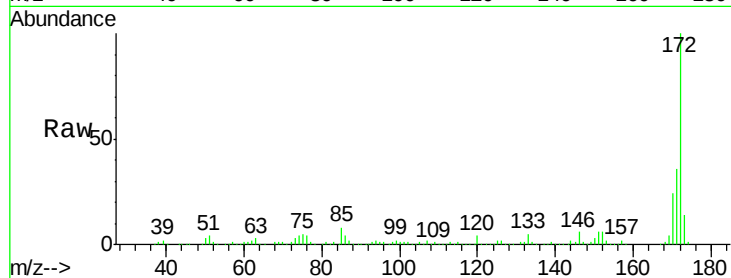




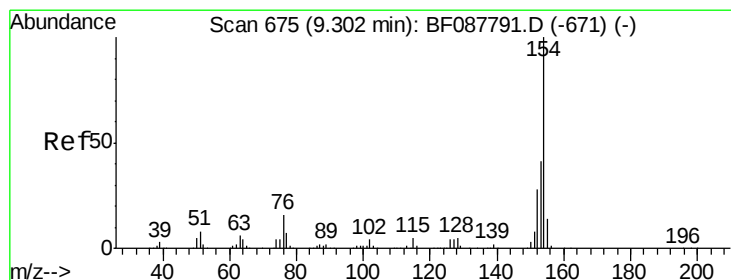
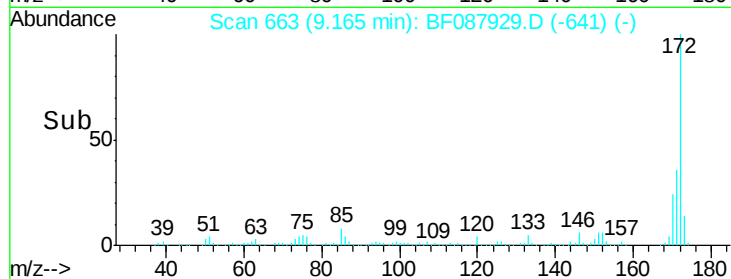
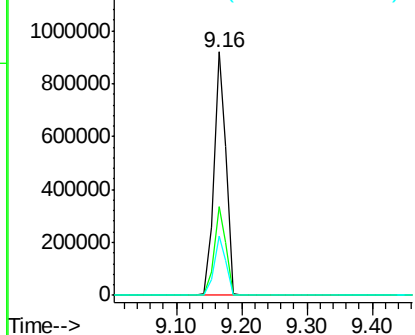
#44
2-Fluorobiphenyl
Concen: 90.10 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.05 min
Lab File: BF087929.D
Acq: 12 Jun 2016 5:22

Instrument :
BNA_F
ClientSampleId :
EQUIPMENT-RINSEBLANK

Tot Ion:172 Resp: 1212784
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.4 19.2 28.8

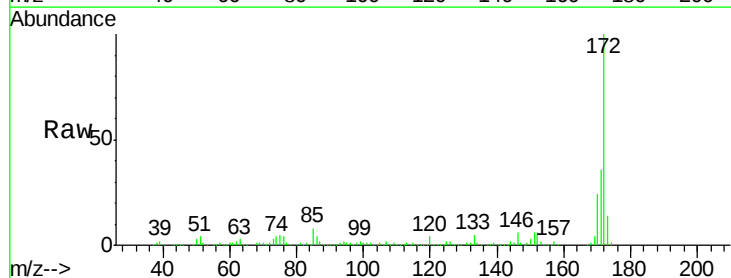


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

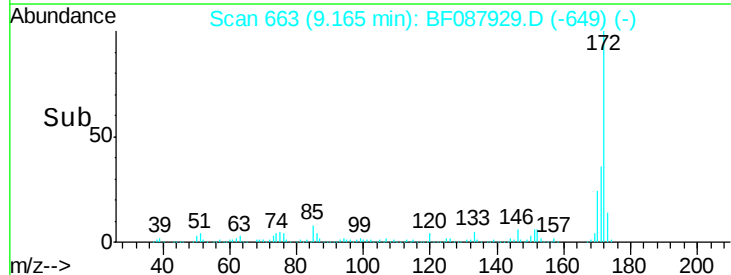
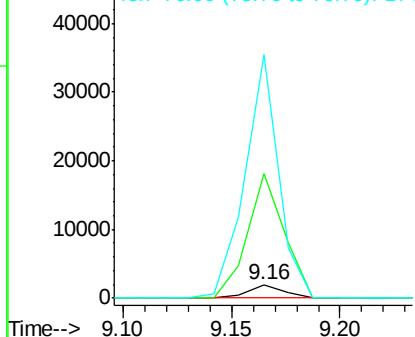


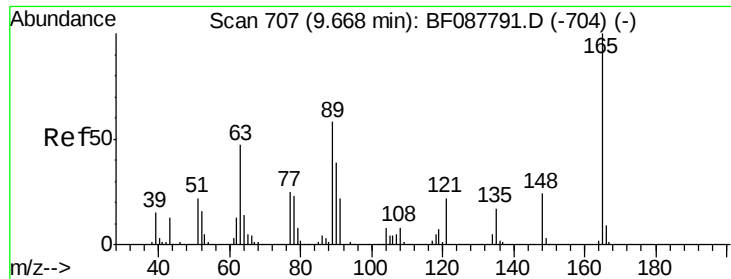
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.16 min Scan# 663
Delta R.T. -0.14 min
Lab File: BF087929.D
Acq: 12 Jun 2016 5:22

Tgt Ion:154 Resp: 2256
Ion Ratio Lower Upper
154 100
153 924.5 20.6 60.6#
76 1814.9 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

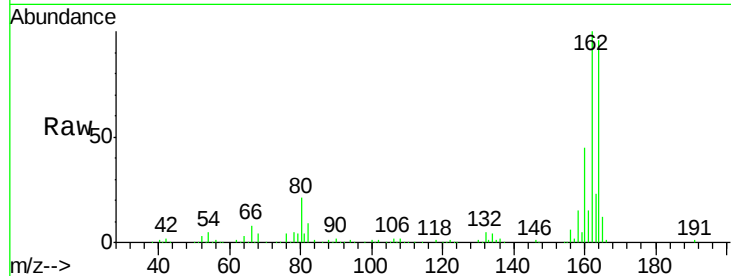




#50
 2,6-Dinitrotoluene
 Concen: 7.66 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.17 min
 Lab File: BF087929.D
 Acq: 12 Jun 2016 5:22

Instrument :
 BNA_F
 ClientSampleId :
 EQUIPMENT-RINSEBLANK

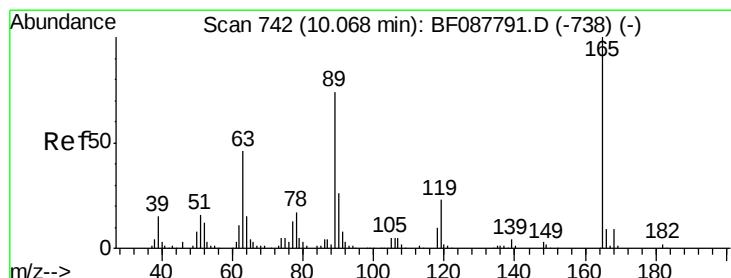
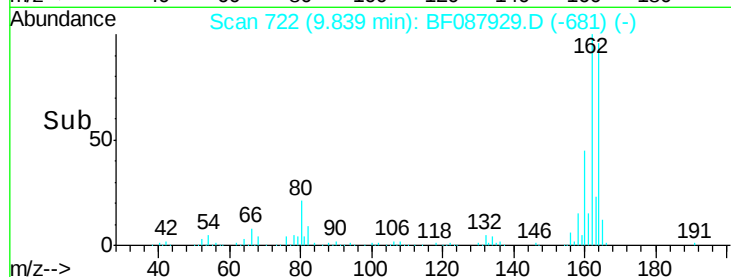
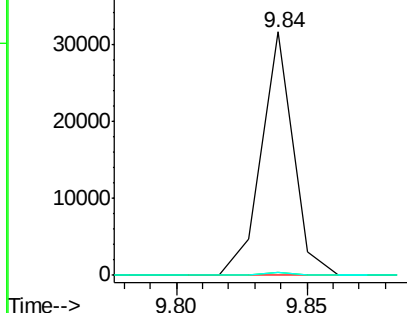
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.5	32.2	48.2#



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: 5.96 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.23 min
 Lab File: BF087929.D
 Acq: 12 Jun 2016 5:22

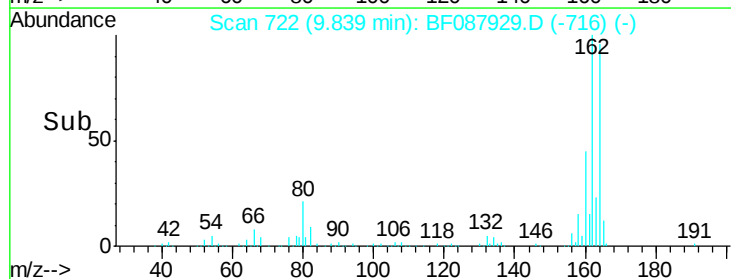
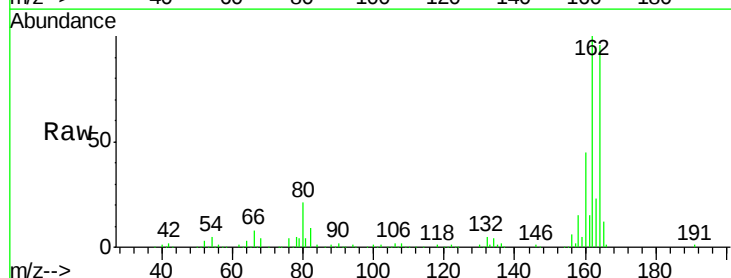
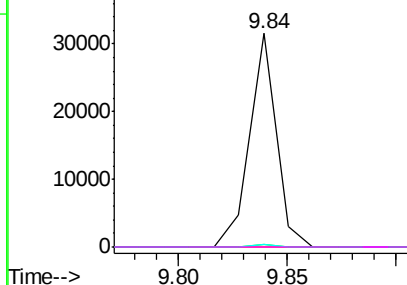
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.5	41.1	61.7#
182	0.0	2.0	3.0#

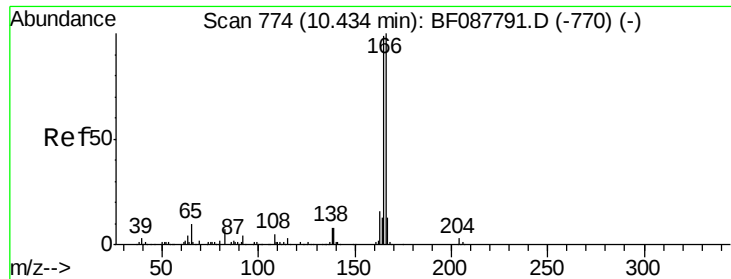
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF087929.D

Acq: 12 Jun 2016 5:22

Instrument :

BNA_F

ClientSampleId :

EQUIPMENT-RINSEBLANK

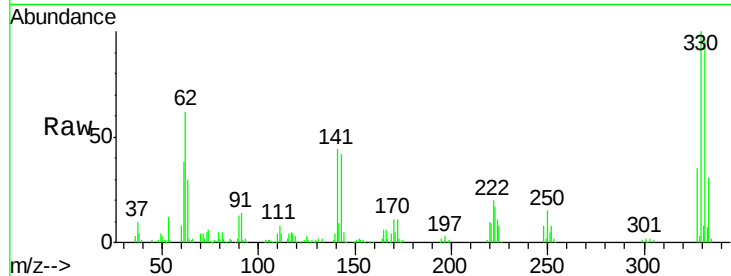
Tot Ion:166 Resp: 12157

Ion Ratio Lower Upper

166 100

165 103.5 77.8 116.8

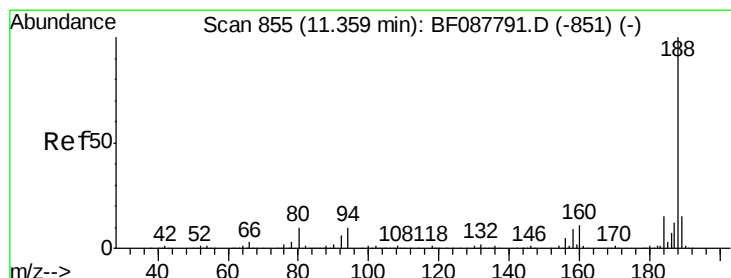
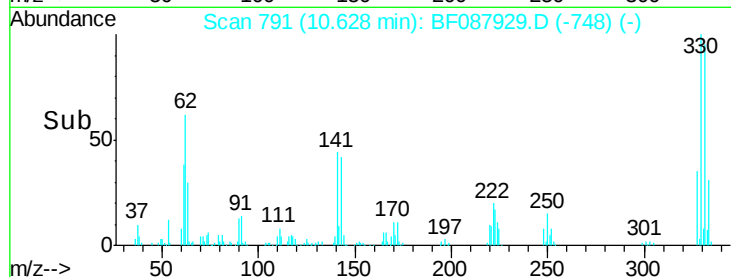
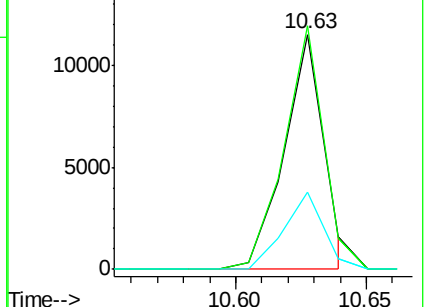
167 32.8 11.2 16.8#



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: BF087929.D

Acq: 12 Jun 2016 5:22

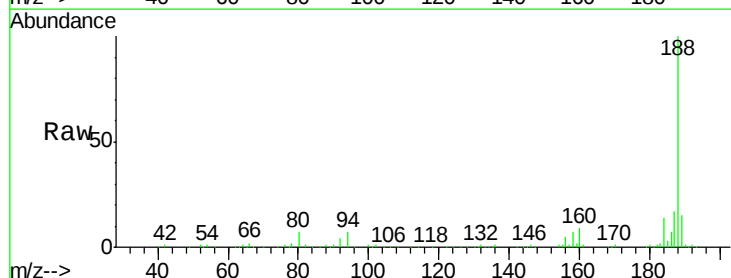
Tgt Ion:188 Resp: 402132

Ion Ratio Lower Upper

188 100

94 7.1 9.0 13.6#

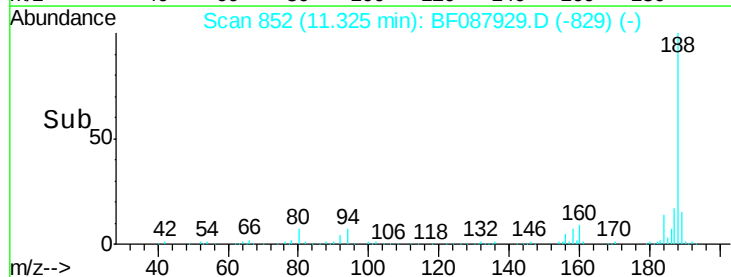
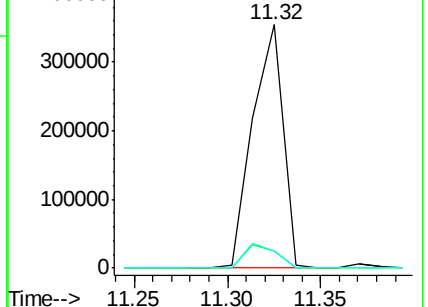
80 7.0 10.0 15.0#

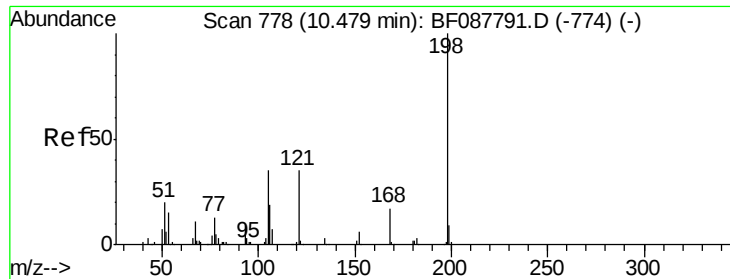


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

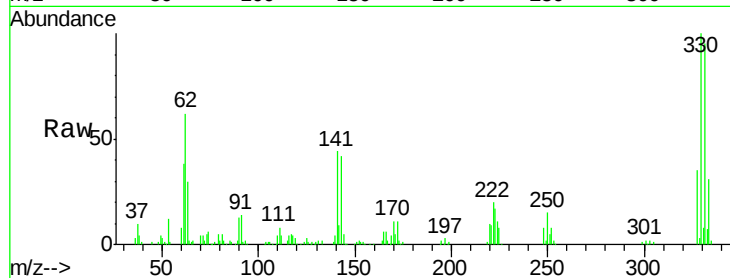




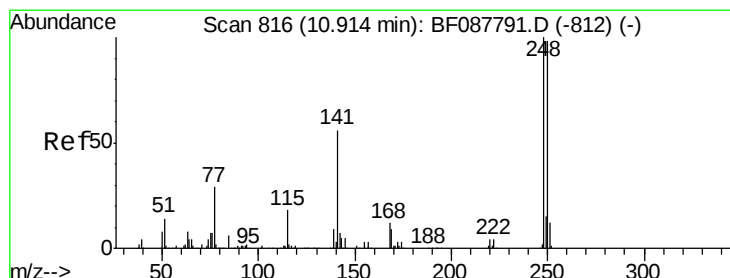
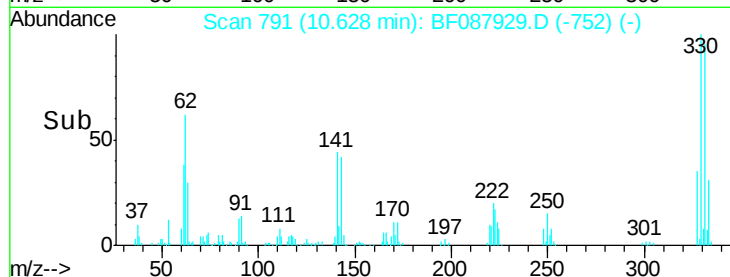
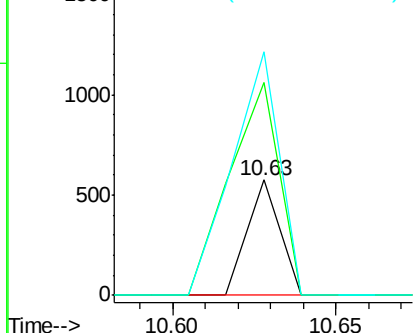
#64
4,6-Dinitro-2-methylphenol
Concen: 2.31 ng
RT: 10.63 min Scan# 791
Delta R.T. 0.15 min
Lab File: BF087929.D
Acq: 12 Jun 2016 5:22

Instrument :
BNA_F
ClientSampleId :
EQUIPMENT-RINSEBLANK

Tot Ion:198 Resp: 394
Ion Ratio Lower Upper
198 100
51 185.0 39.6 79.6#
105 211.5 36.6 76.6#

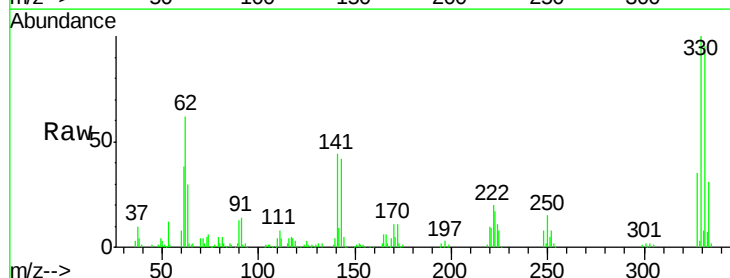


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

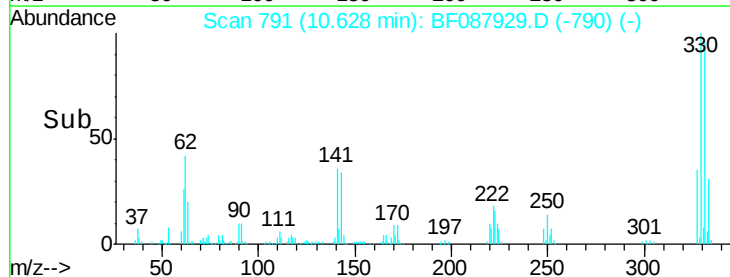
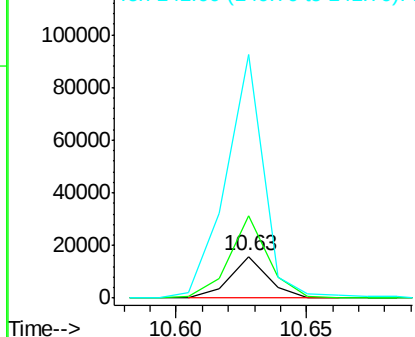


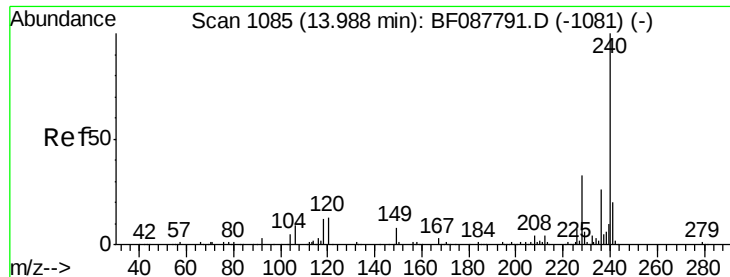
#66
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.29 min
Lab File: BF087929.D
Acq: 12 Jun 2016 5:22

Tgt Ion:248 Resp: 16204
Ion Ratio Lower Upper
248 100
250 195.2 77.1 115.7#
141 581.1 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: BF087929.D

Acq: 12 Jun 2016 5:22

Instrument :

BNA_F

ClientSampleId :

EQUIPMENT-RINSEBLANK

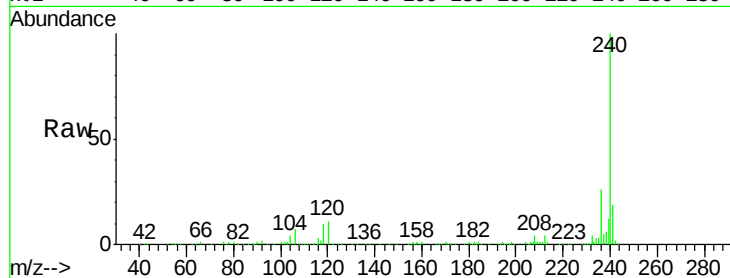
Tot Ion:240 Resp: 339681

Ion Ratio Lower Upper

240 100

120 11.0 6.8 10.2#

236 25.7 20.2 30.2

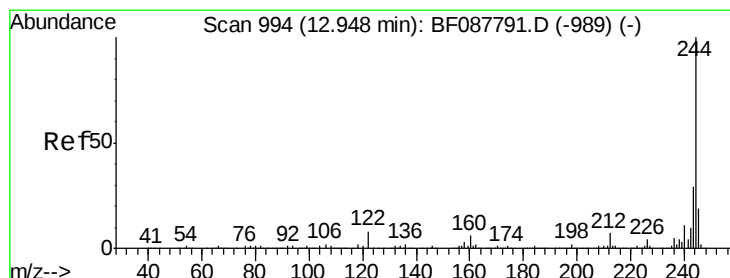
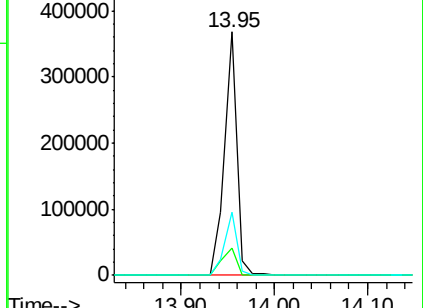
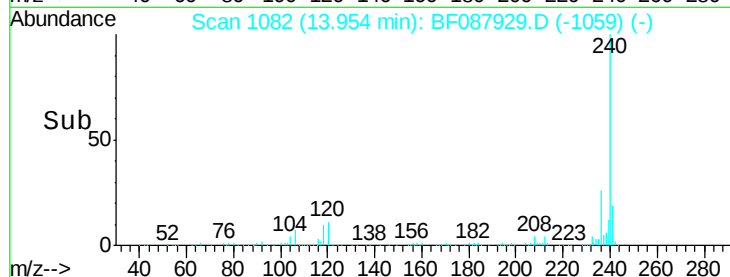


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



#78

Terphenyl-d14

Concen: 72.57 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087929.D

Acq: 12 Jun 2016 5:22

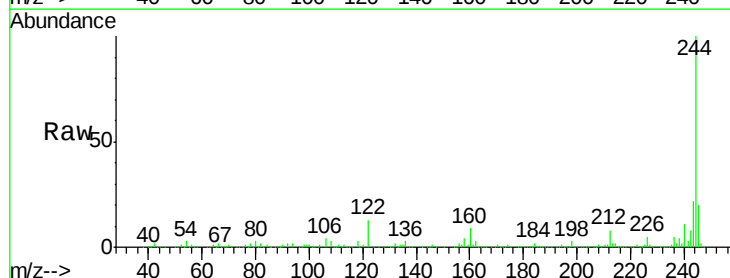
Tgt Ion:244 Resp: 1083253

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 12.9 11.2 16.8

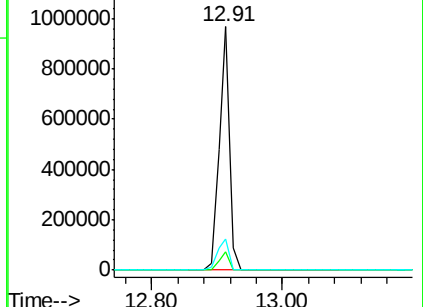
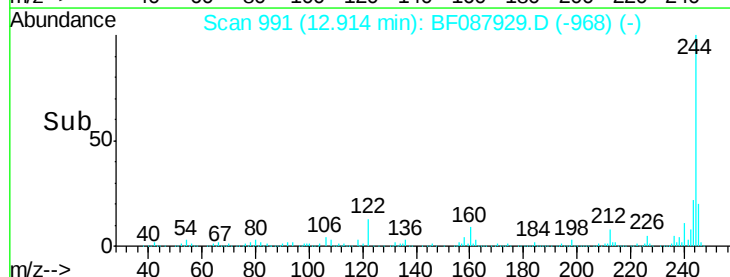


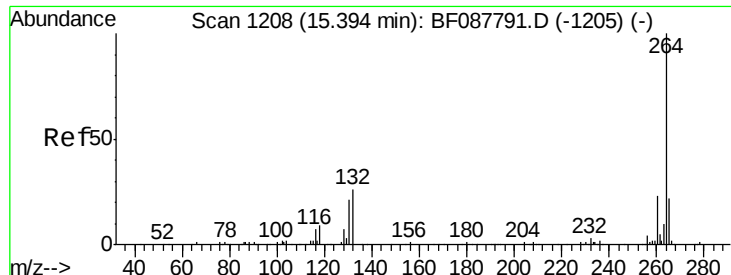
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF087929.D
Acq: 12 Jun 2016 5:22

Instrument :
BNA_F
ClientSampleId :
EQUIPMENT-RINSEBLANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.3	16.9	25.3

