

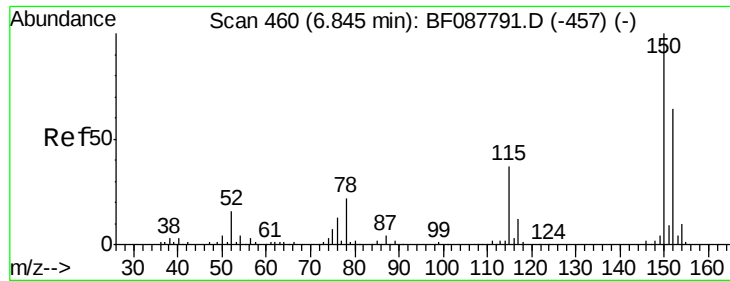
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062016\
 Data File : BF088199.D
 Acq On : 21 Jun 2016 5:07
 Operator : UM/SJ
 Sample : H3611-14
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP2-COMP

Quant Time: Jun 21 06:08:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	78351	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	327629	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	150597	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	291770	20.00	ng	0.00
75) Chrysene-d12	13.81	240	222654	20.00	ng	0.00
86) Perylene-d12	15.18	264	165741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	576163	125.71	ng	0.01
7) Phenol-d6	6.33	99	704569	126.85	ng	0.00
23) Nitrobenzene-d5	7.23	82	452244	80.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	203694	128.10	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	821889	85.79	ng	-0.01
78) Terphenyl-d14	12.77	244	887840	90.74	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.93	88	10076	4.52	ng	# 87
9) Benzaldehyde	6.44	77	13569	3.30	ng	# 81
10) Phenol	6.44	94	1234	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	57323	16.13	ng	# 72
32) Benzoic acid	7.75	122	9521	3.23	ng	# 91
45) 1,1'-Biphenyl	9.13	154	314	Below Cal	#	43
50) 2,6-Dinitrotoluene	9.70	165	18801	7.53	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	18801	5.86	ng	# 36
57) Fluorene	10.25	166	1111	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.49	198	260	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	13348	4.26	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF088199.D

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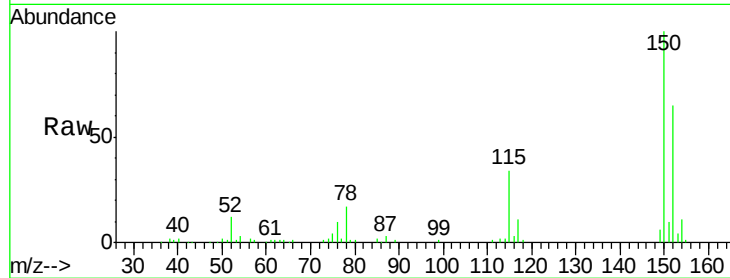
Tgt Ion:152 Resp: 78351

Ion Ratio Lower Upper

152 100

150 153.4 123.8 185.6

115 51.9 39.6 59.4

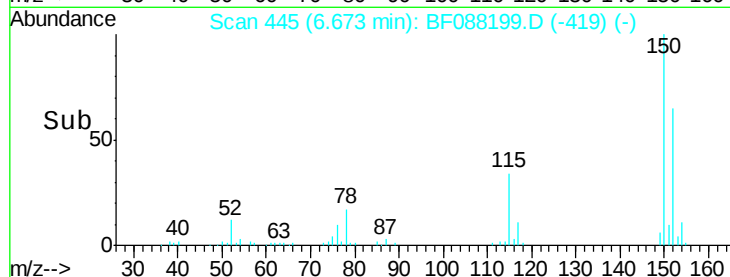


Abundance Ion 152.00 (151.70 to 152.70): E

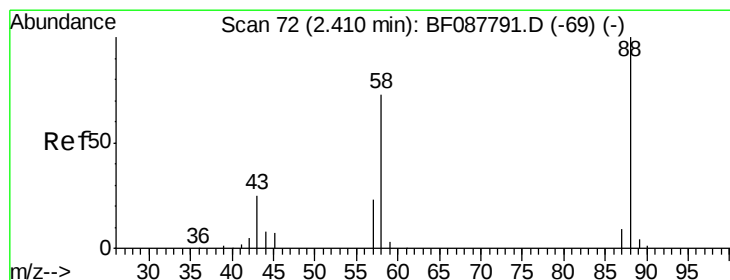
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



Time-->



#2

1,4-Dioxane

Concen: 4.52 ng

RT: 1.93 min Scan# 30

Delta R.T. -0.19 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

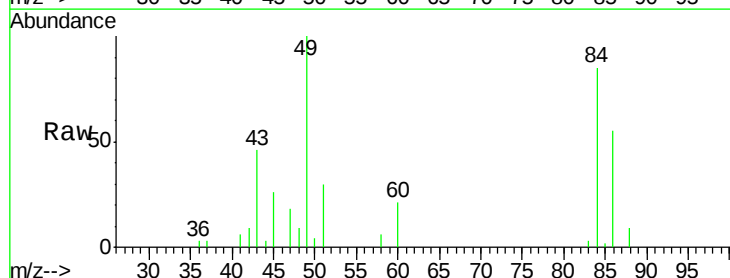
Tgt Ion: 88 Resp: 10076

Ion Ratio Lower Upper

88 100

58 14.1 0.0 0.0#

43 0.0 3.4 5.2#

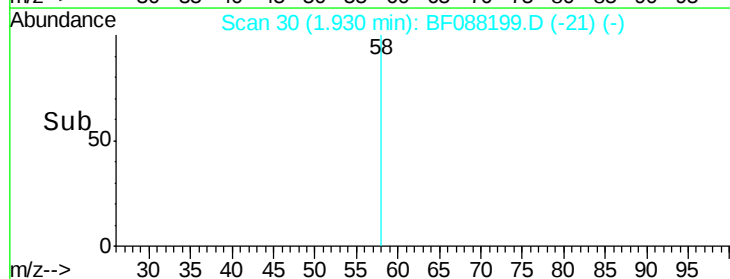


Abundance Ion 88.00 (87.70 to 88.70): BF0

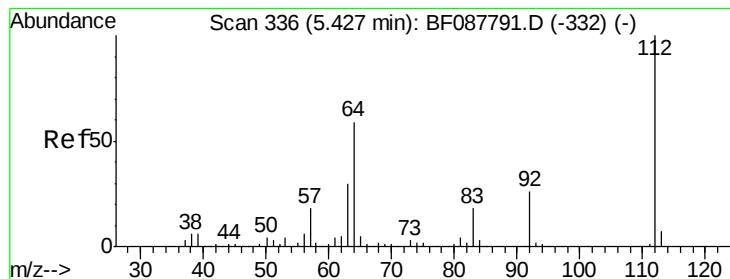
Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

Time-->



Time-->



#5

2-Fluorophenol

Concen: 125.71 ng

RT: 5.27 min Scan# 322

Delta R.T. 0.01 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

Instrument :

BNA_F

ClientSampleId :

PL-UP2-COMP

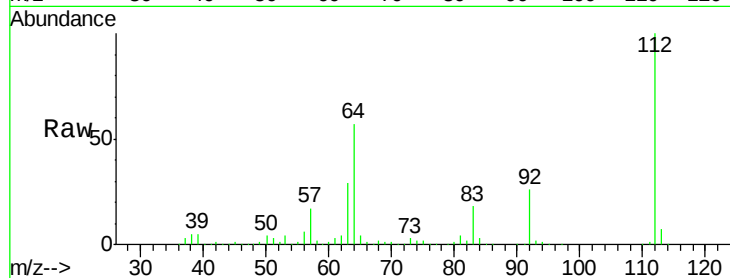
Tgt Ion: 112 Resp: 576163

Ion Ratio Lower Upper

112 100

64 57.5 42.2 63.2

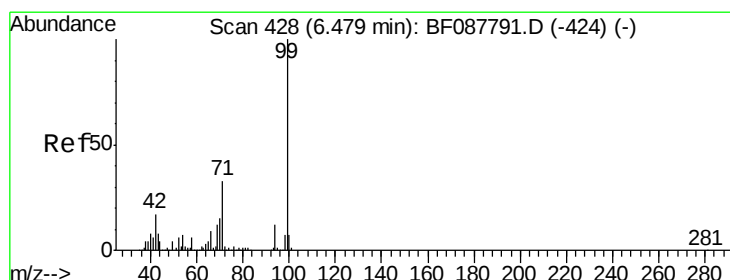
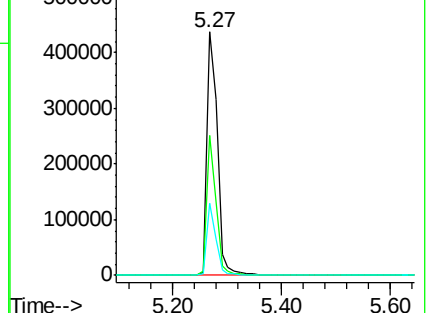
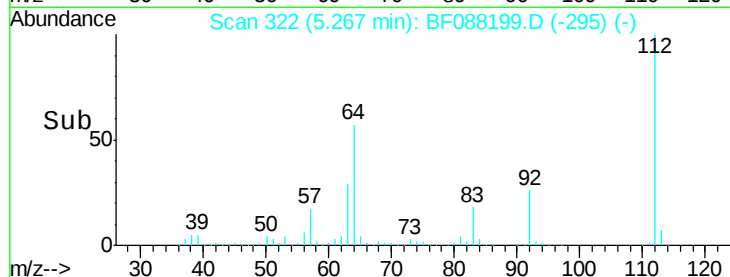
63 29.4 21.8 32.8



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: 126.85 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

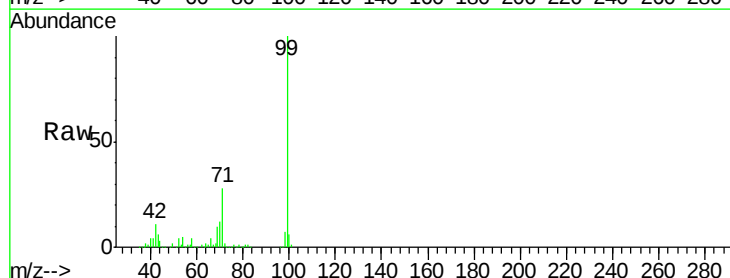
Tgt Ion: 99 Resp: 704569

Ion Ratio Lower Upper

99 100

42 11.0 12.2 18.2#

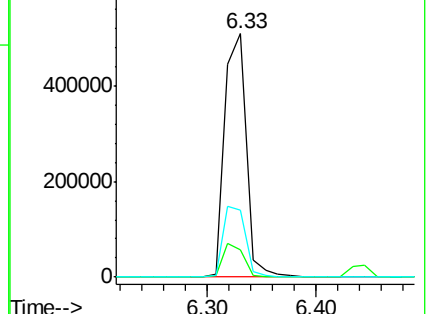
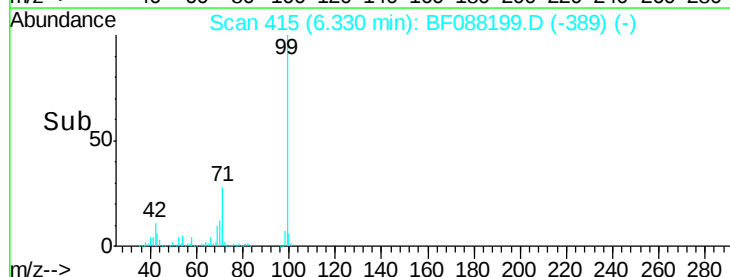
71 27.7 23.4 35.0

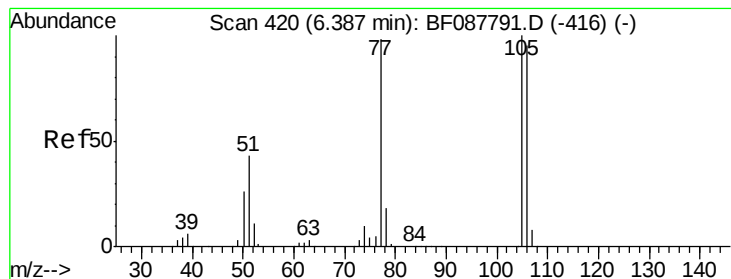


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 3.30 ng

RT: 6.44 min Scan# 425

Delta R.T. 0.23 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

Instrument :

BNA_F

ClientSampleId :

PL-UP2-COMP

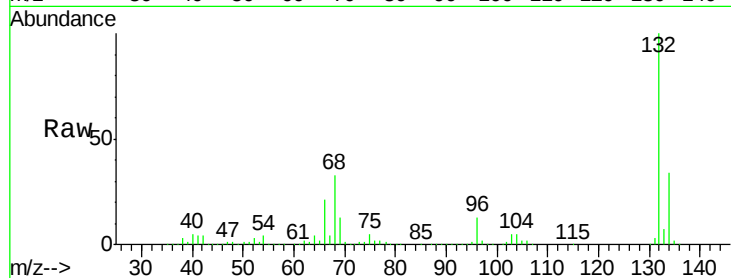
Tgt Ion: 77 Resp: 13569

Ion Ratio Lower Upper

77 100

105 91.0 90.6 130.6

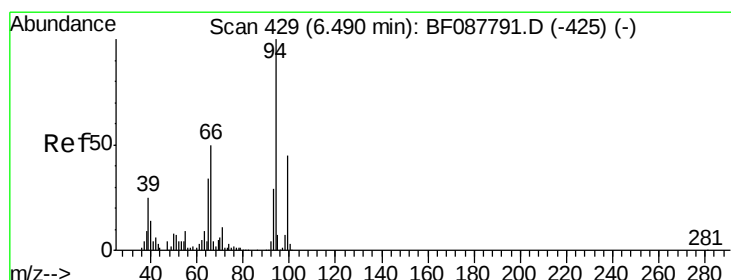
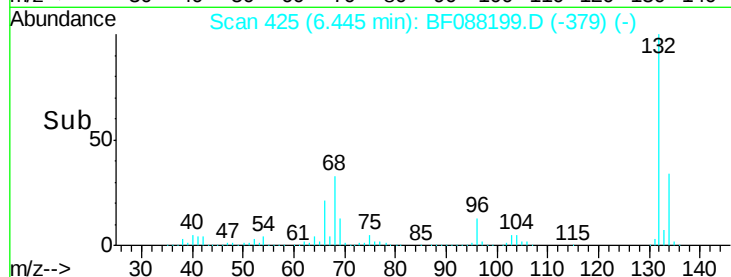
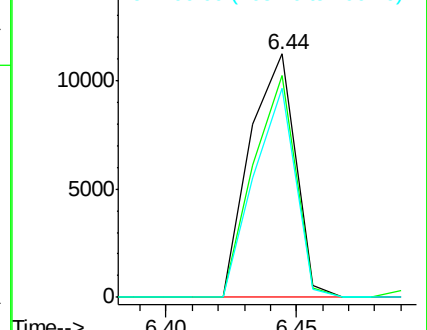
106 85.9 85.3 125.3



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: Below Cal

RT: 6.44 min Scan# 425

Delta R.T. 0.10 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

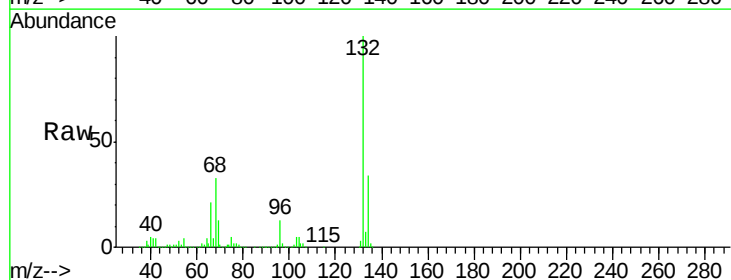
Tgt Ion: 94 Resp: 1234

Ion Ratio Lower Upper

94 100

65 1002.3 5.9 45.9#

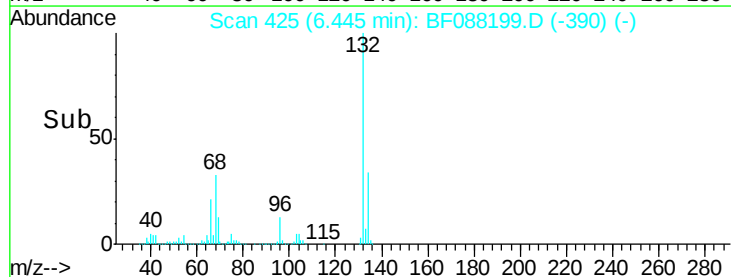
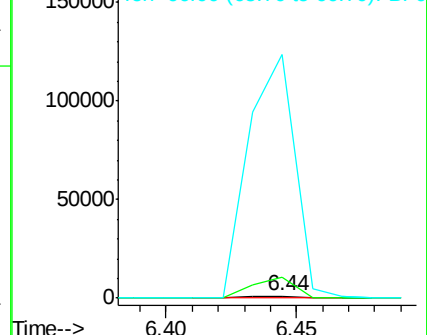
66 11411.3 14.0 54.0#

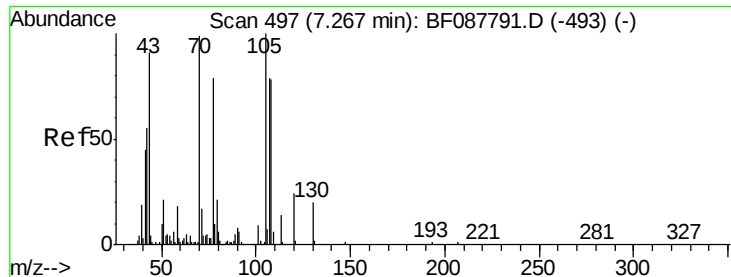


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

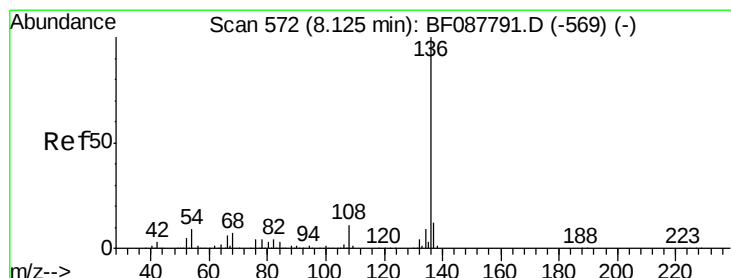
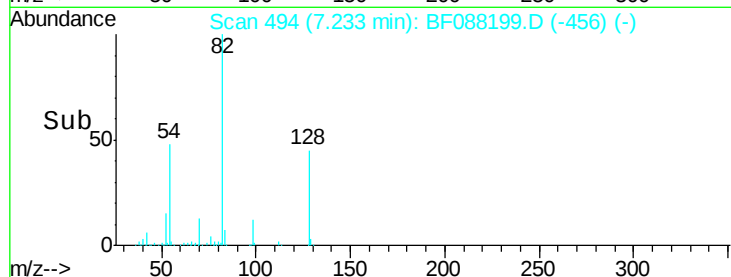
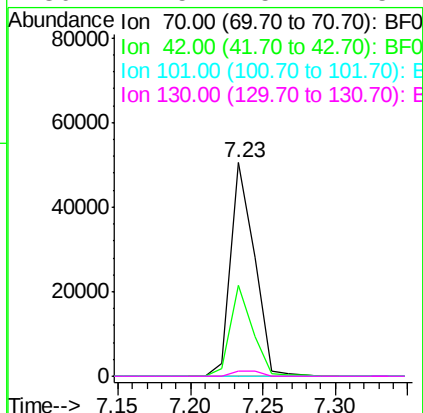
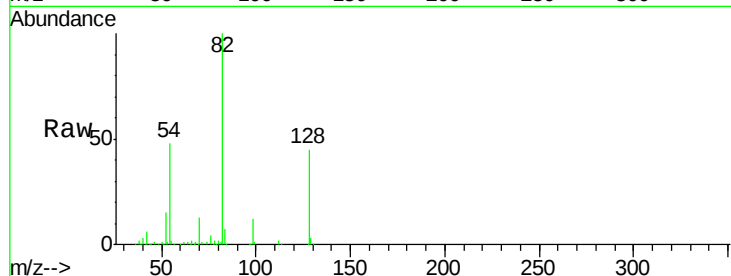




#19
n-Nitroso-di-n-propylamine
Concen: 16.13 ng
RT: 7.23 min Scan# 494
Delta R.T. 0.14 min
Lab File: BF088199.D
Acq: 21 Jun 2016 5:07

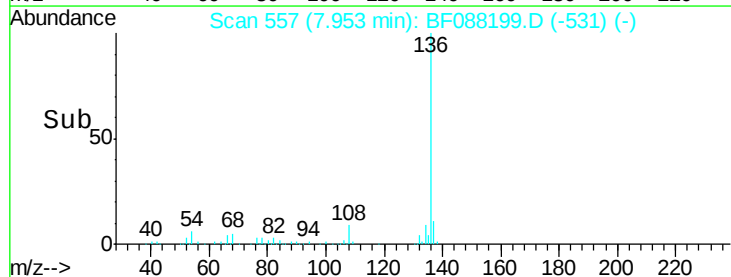
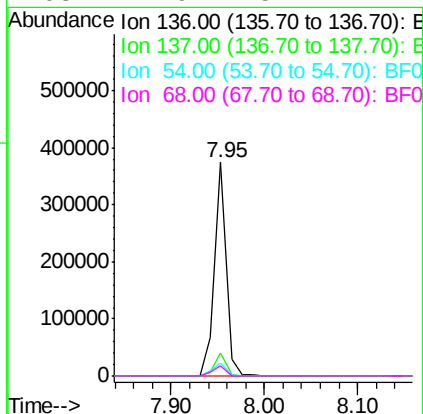
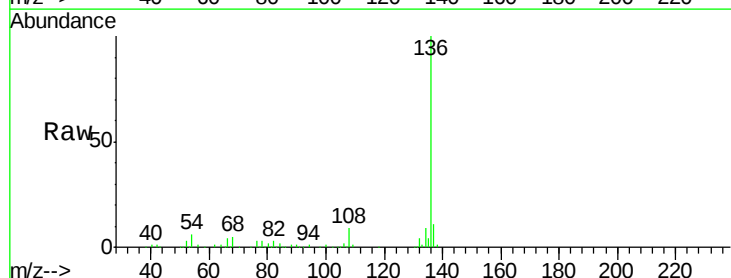
Instrument :
BNA_F
ClientSampleId :
PL-UP2-COMP

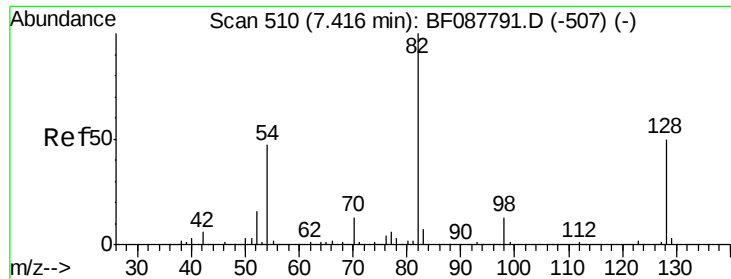
Tgt Ion: 70 Resp: 57323
Ion Ratio Lower Upper
70 100
42 42.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF088199.D
Acq: 21 Jun 2016 5:07

Tgt Ion: 136 Resp: 327629
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.7 6.6 10.0#
68 4.9 5.1 7.7#

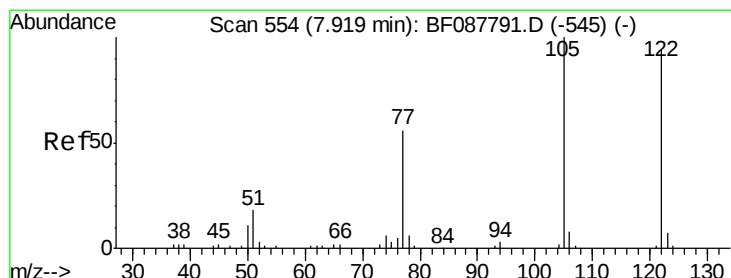
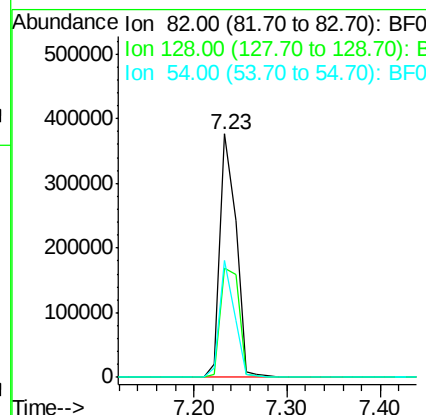
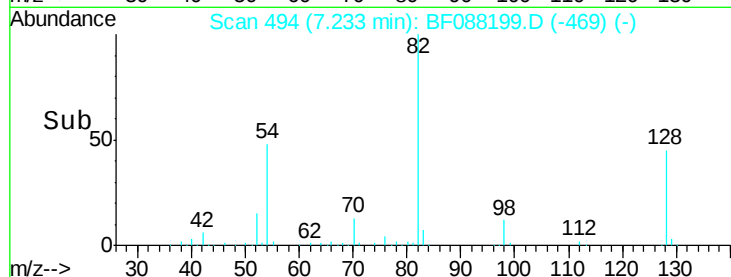
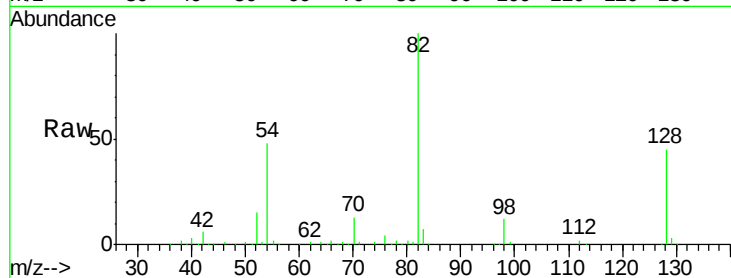




#23
Nitrobenzene-d5
Concen: 80.60 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.01 min
Lab File: BF088199.D
Acq: 21 Jun 2016 5:07

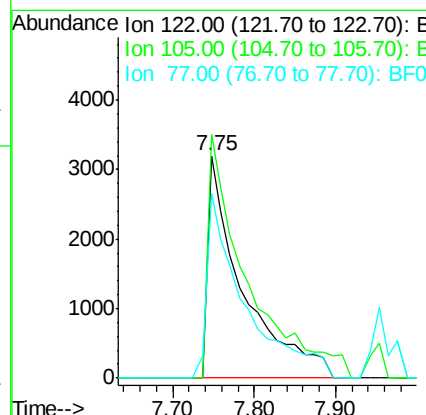
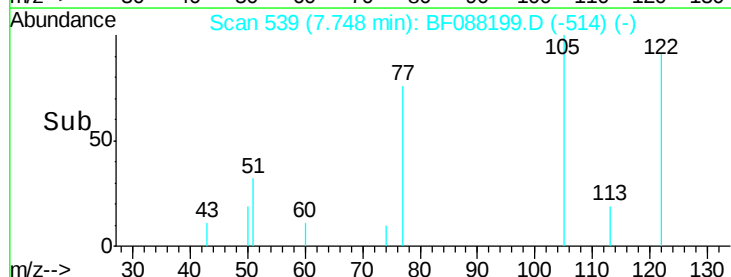
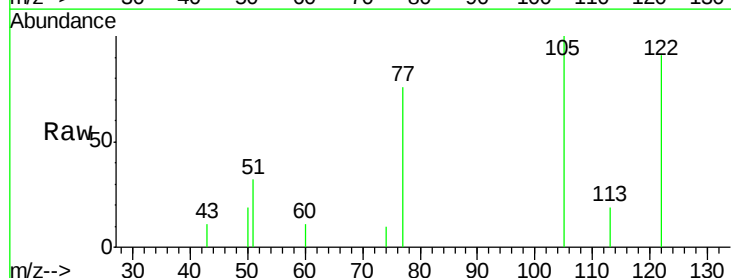
Instrument :
BNA_F
ClientSampleId :
PL-UP2-COMP

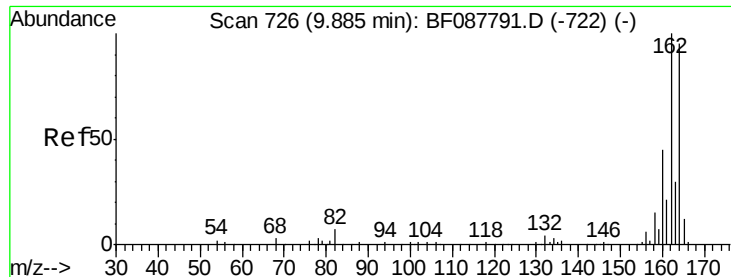
Tgt Ion: 82 Resp: 452244
Ion Ratio Lower Upper
82 100
128 44.7 35.9 53.9
54 47.8 40.9 61.3



#32
Benzoic acid
Concen: 3.23 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.01 min
Lab File: BF088199.D
Acq: 21 Jun 2016 5:07

Tgt Ion: 122 Resp: 9521
Ion Ratio Lower Upper
122 100
105 109.6 101.6 141.6
77 83.2 70.6 110.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

Instrument :

BNA_F

ClientSampleId :

PL-UP2-COMP

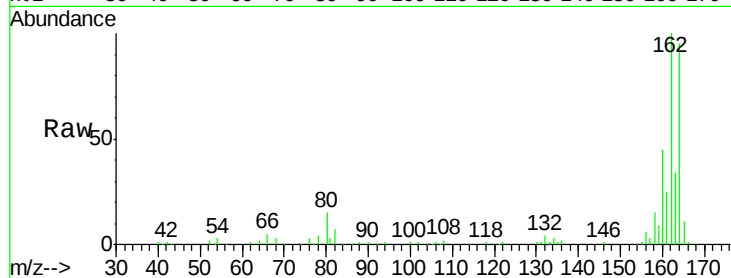
Tgt Ion:164 Resp: 150597

Ion Ratio Lower Upper

164 100

162 105.8 85.4 128.2

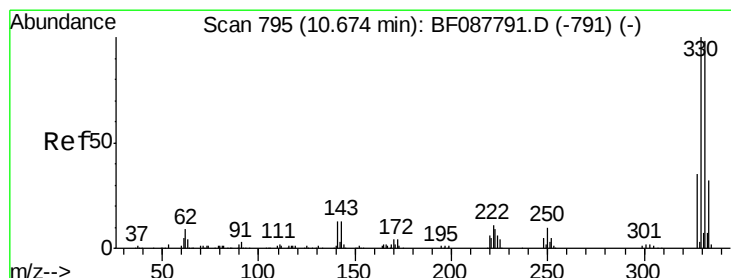
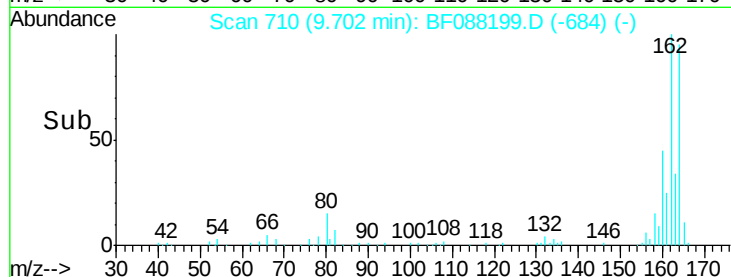
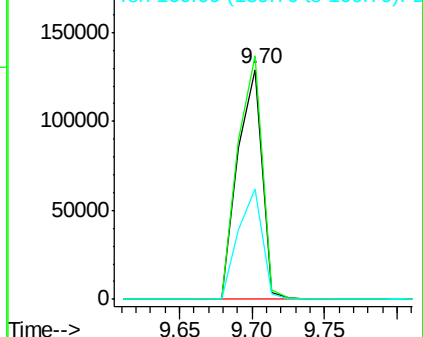
160 48.1 39.5 59.3



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: 128.10 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.00 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

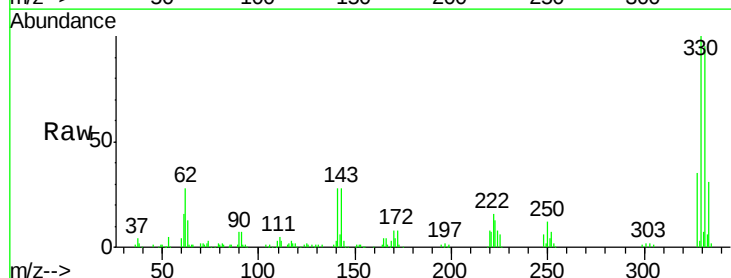
Tgt Ion:330 Resp: 203694

Ion Ratio Lower Upper

330 100

332 95.1 0.0 0.0#

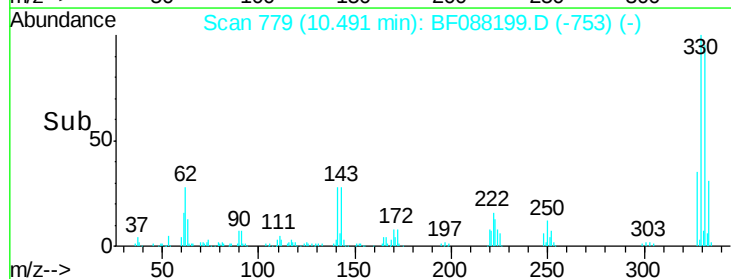
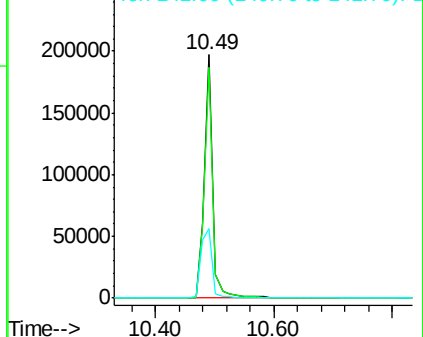
141 38.1 0.0 0.0#

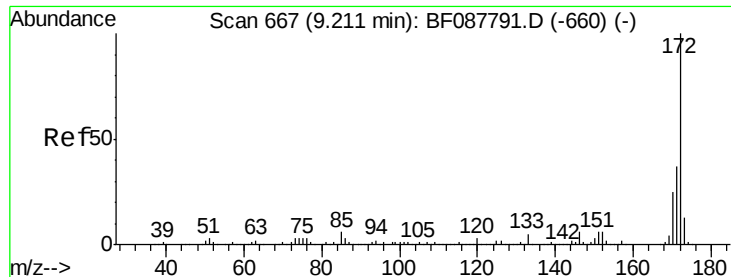


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.79 ng

RT: 9.03 min Scan# 651

Delta R.T. -0.01 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

Instrument :

BNA_F

ClientSampleId :

PL-UP2-COMP

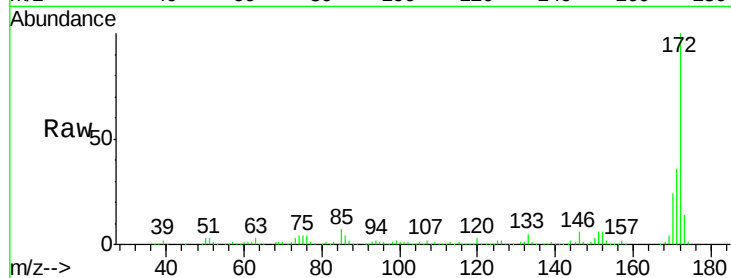
Tgt Ion:172 Resp: 821889

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

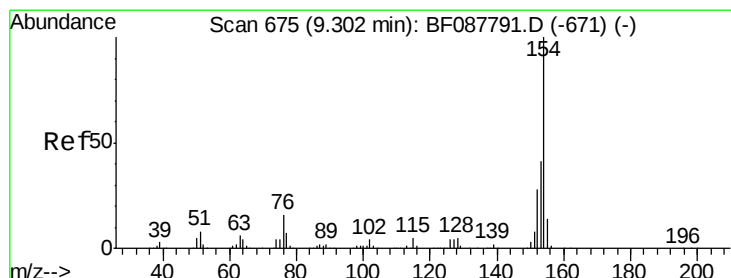
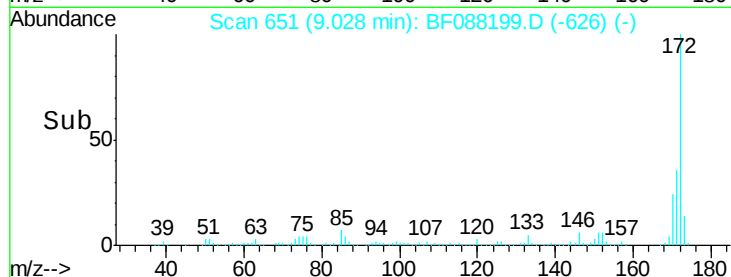
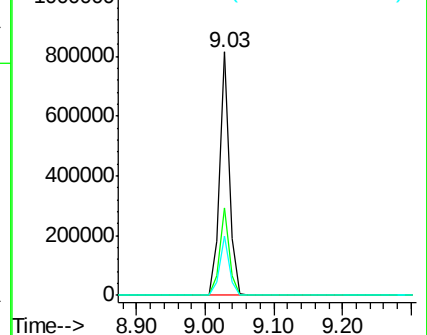
170 24.2 19.2 28.8



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: 9.13 min Scan# 660

Delta R.T. 0.00 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

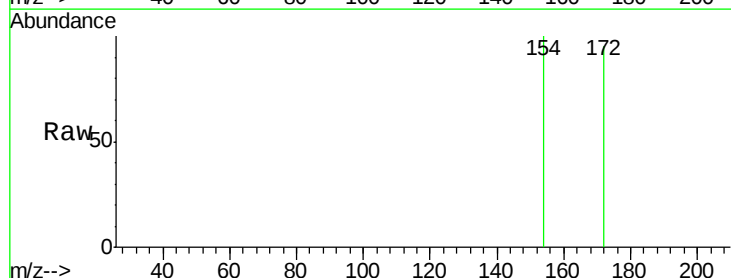
Tgt Ion:154 Resp: 314

Ion Ratio Lower Upper

154 100

153 0.0 20.6 60.6#

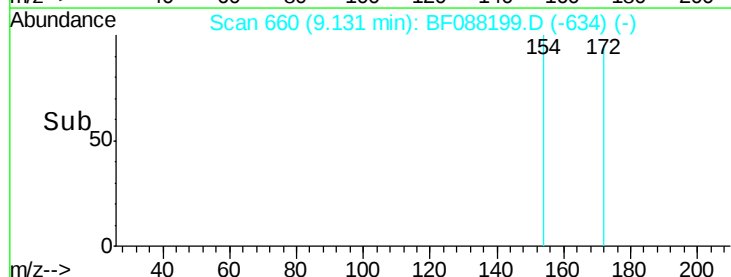
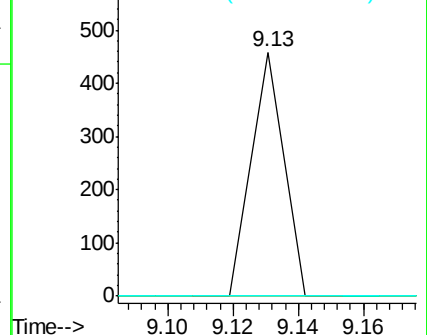
76 0.0 0.0 35.1

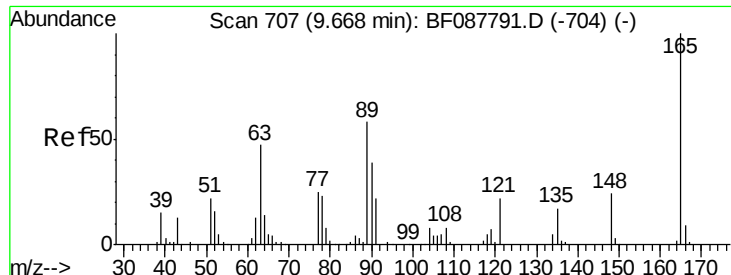


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

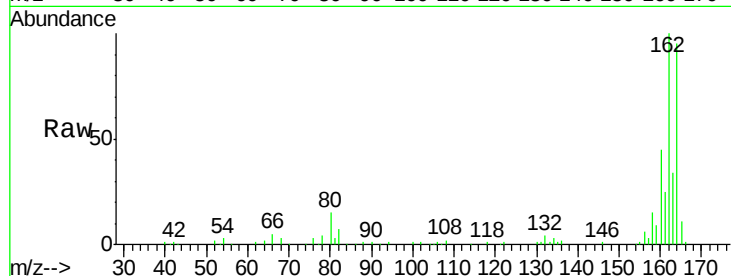




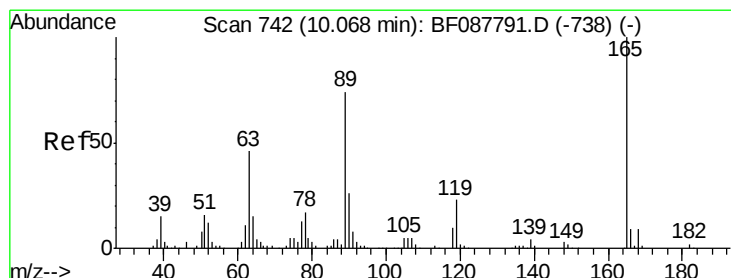
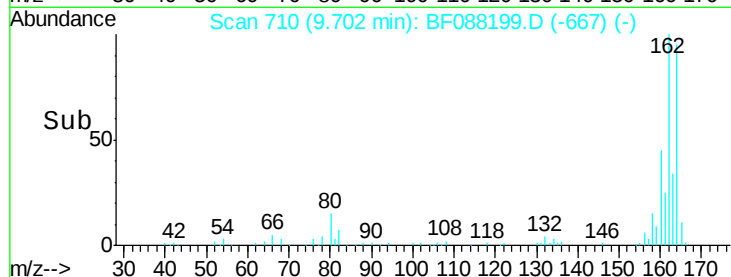
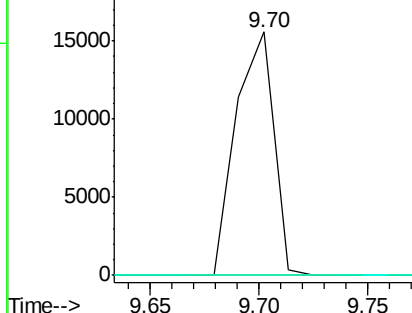
#50
 2,6-Dinitrotoluene
 Concen: 7.53 ng
 RT: 9.70 min Scan# 710
 Delta R.T. 0.19 min
 Lab File: BF088199.D
 Acq: 21 Jun 2016 5:07

Instrument :
 BNA_F
 ClientSampleId :
 PL-UP2-COMP

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



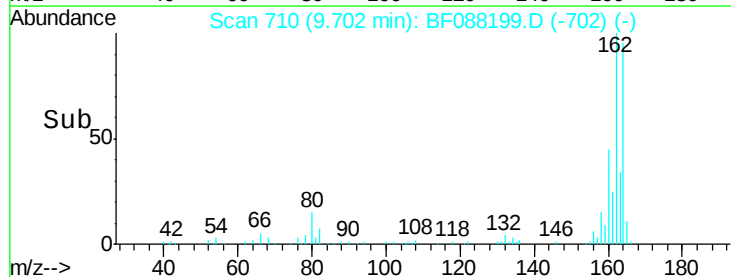
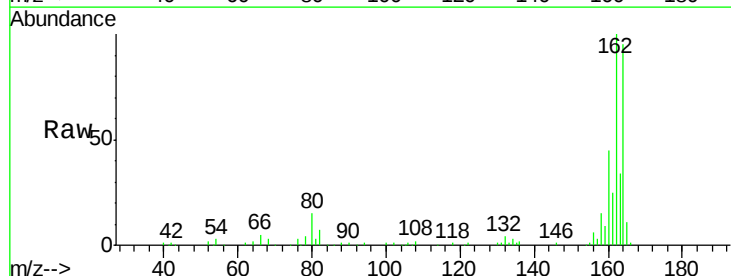
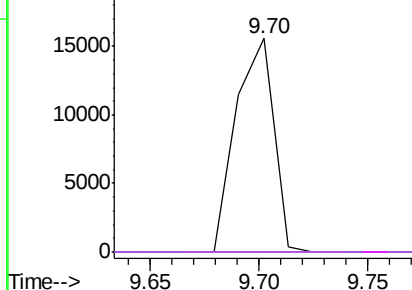
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

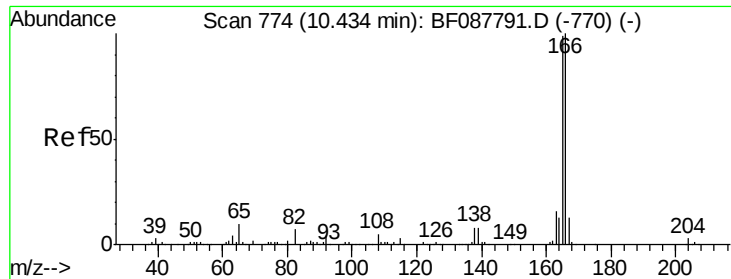


#56
 2,4-Dinitrotoluene
 Concen: 5.86 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.21 min
 Lab File: BF088199.D
 Acq: 21 Jun 2016 5:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	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

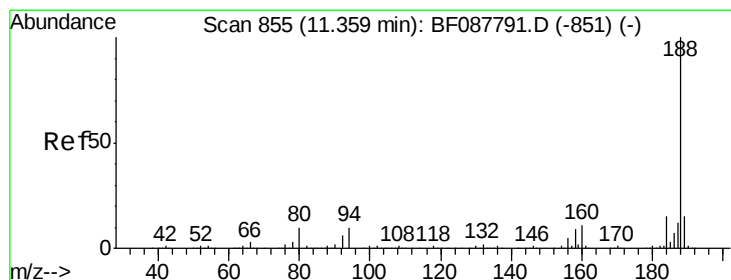
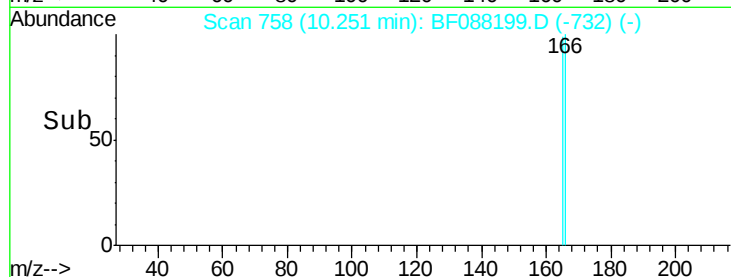
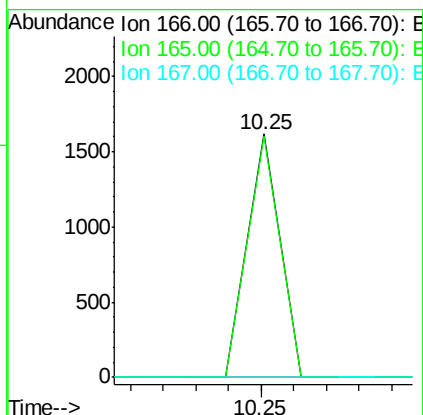
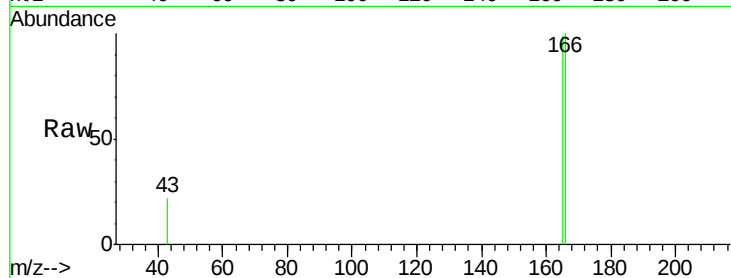




#57
Fluorene
 Concen: Below Cal
 RT: 10.25 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BF088199.D
 Acq: 21 Jun 2016 5:07

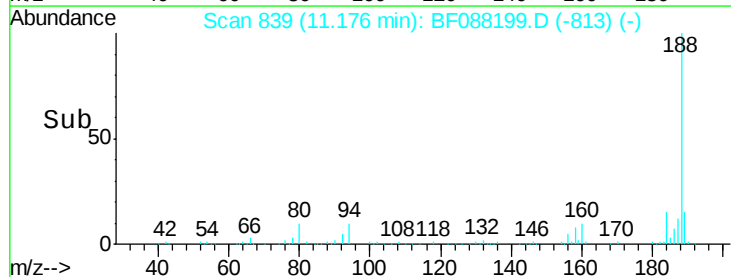
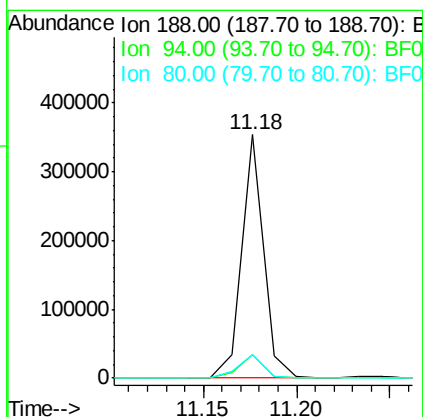
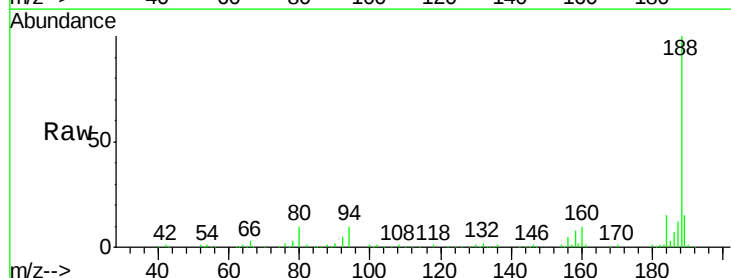
Instrument :
 BNA_F
 ClientSampleId :
 PL-UP2-COMP

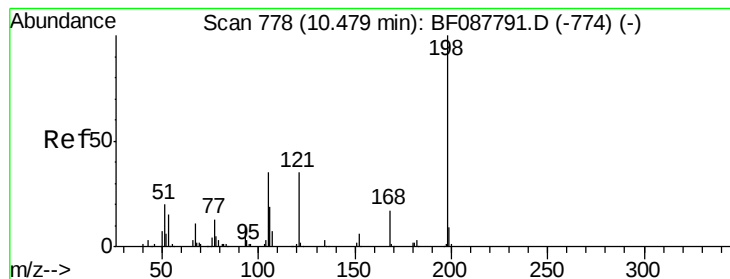
Tgt Ion:166 Resp: 1111
 Ion Ratio Lower Upper
 166 100
 165 99.0 77.8 116.8
 167 0.0 11.2 16.8#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF088199.D
 Acq: 21 Jun 2016 5:07

Tgt Ion:188 Resp: 291770
 Ion Ratio Lower Upper
 188 100
 94 9.6 9.0 13.6
 80 9.7 10.0 15.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.49 min Scan# 779

Delta R.T. 0.17 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

Instrument :

BNA_F

ClientSampleId :

PL-UP2-COMP

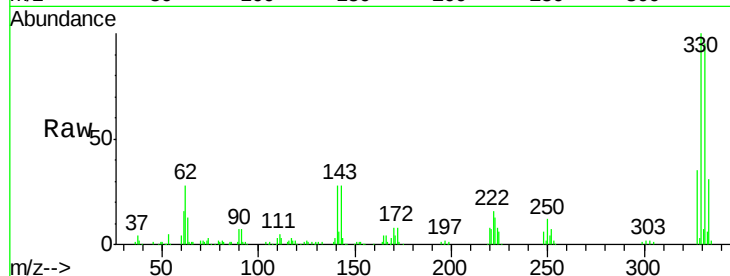
Tgt Ion:198 Resp: 260

Ion Ratio Lower Upper

198 100

51 105.3 39.6 79.6#

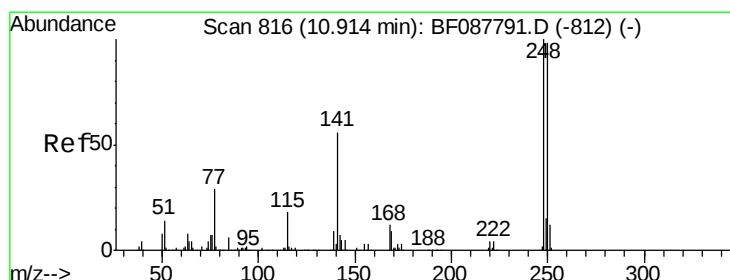
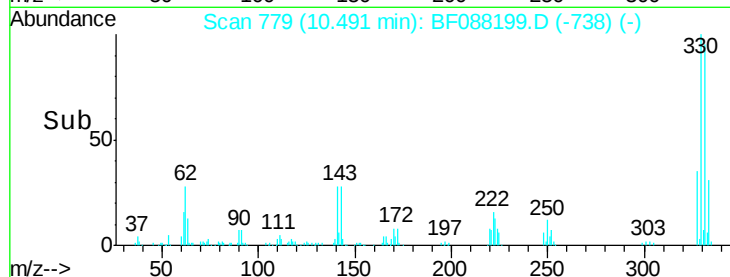
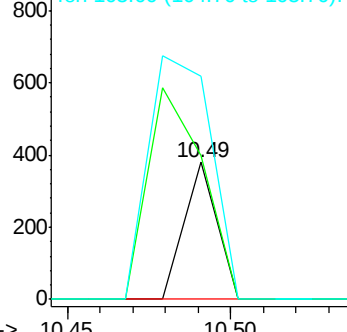
105 163.1 36.6 76.6#



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: 4.26 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.24 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

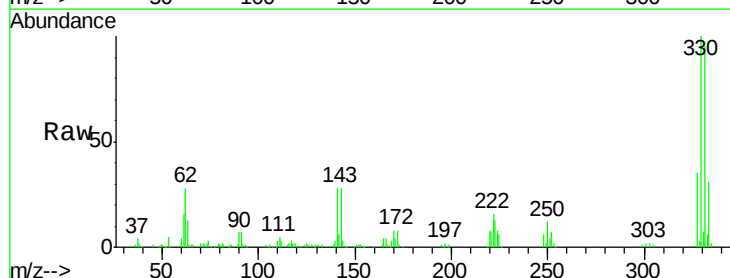
Tgt Ion:248 Resp: 13348

Ion Ratio Lower Upper

248 100

250 196.8 77.1 115.7#

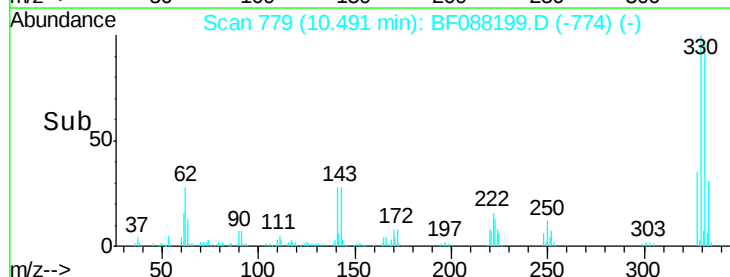
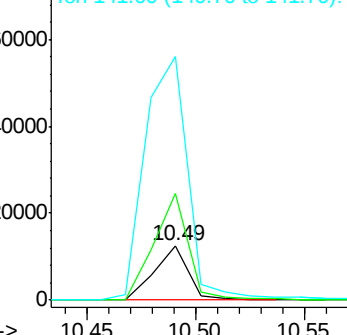
141 449.5 50.6 76.0#

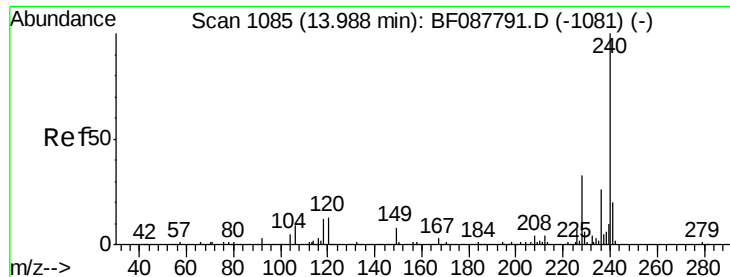


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.81 min Scan# 1069

Delta R.T. 0.00 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

Instrument :

BNA_F

ClientSampleId :

PL-UP2-COMP

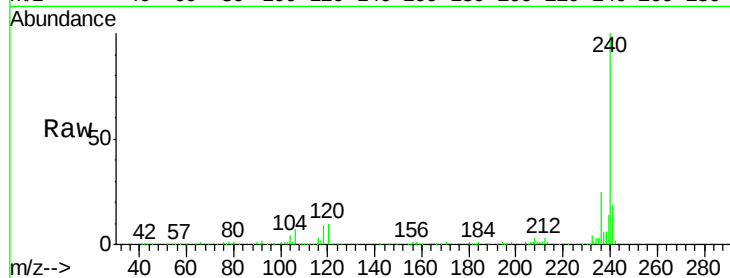
Tgt Ion:240 Resp: 222654

Ion Ratio Lower Upper

240 100

120 10.5 6.8 10.2#

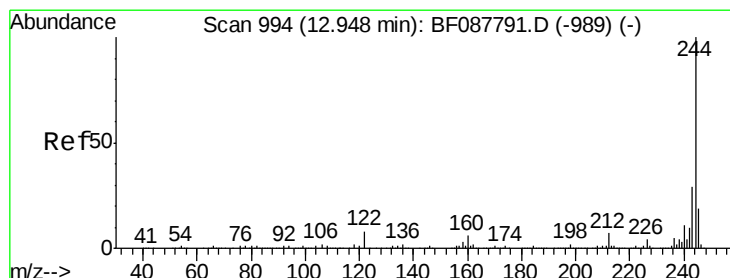
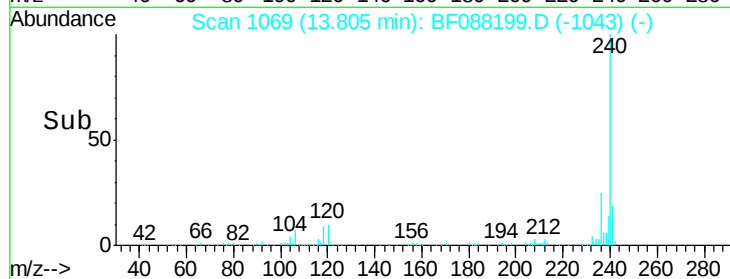
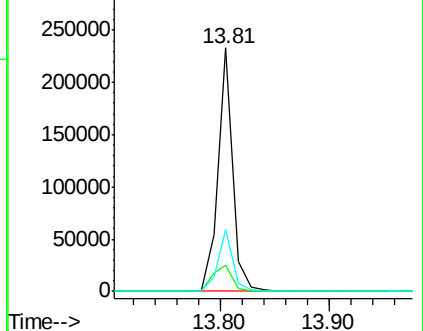
236 25.3 20.2 30.2



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: 90.74 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF088199.D

Acq: 21 Jun 2016 5:07

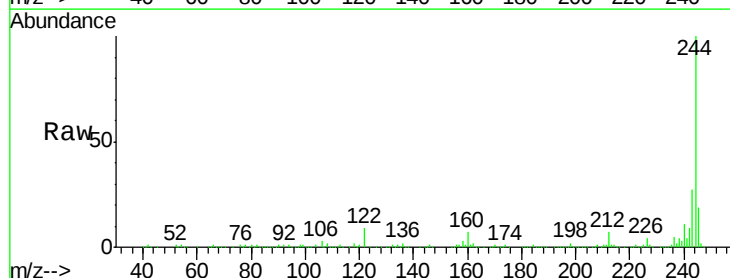
Tgt Ion:244 Resp: 887840

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

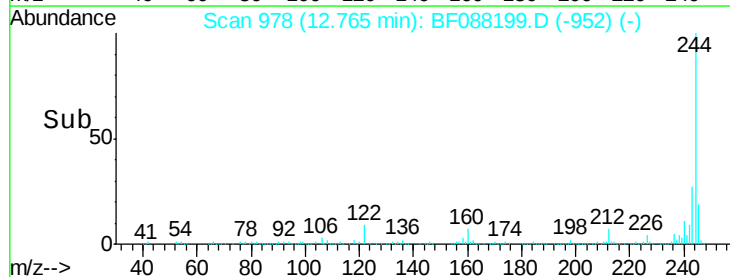
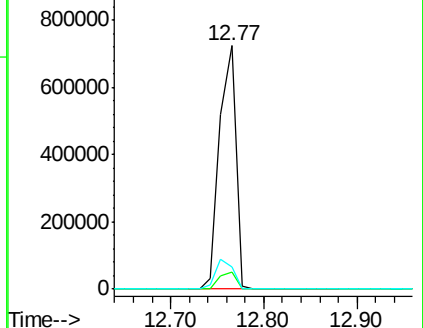
122 9.1 11.2 16.8#

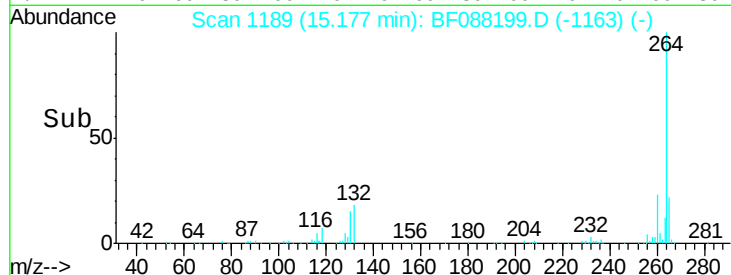
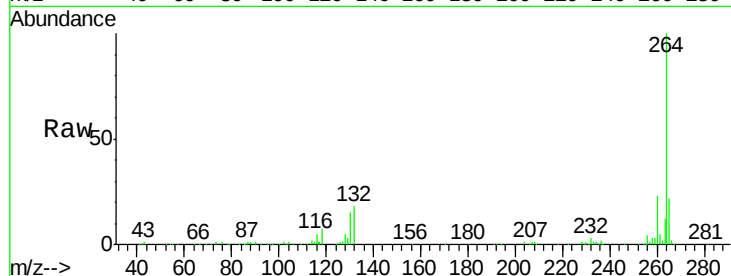
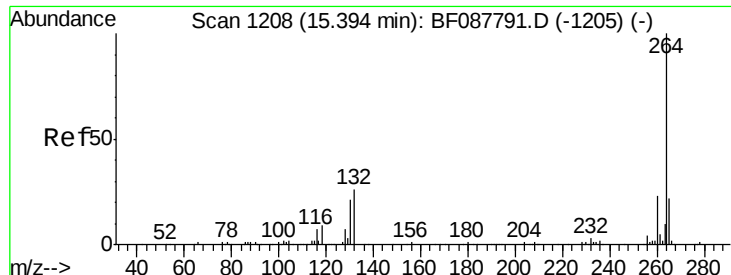


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BF088199.D
Acq: 21 Jun 2016 5:07

Instrument :
BNA_F
ClientSampleId :
PL-UP2-COMP

Tgt Ion:	264	Resp:	165741
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	22.0	16.9	25.3

