

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011217\
 Data File : BF092229.D
 Acq On : 13 Jan 2017 2:23
 Operator : UM/SJ
 Sample : I1131-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Quant Time: Jan 13 06:46:01 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

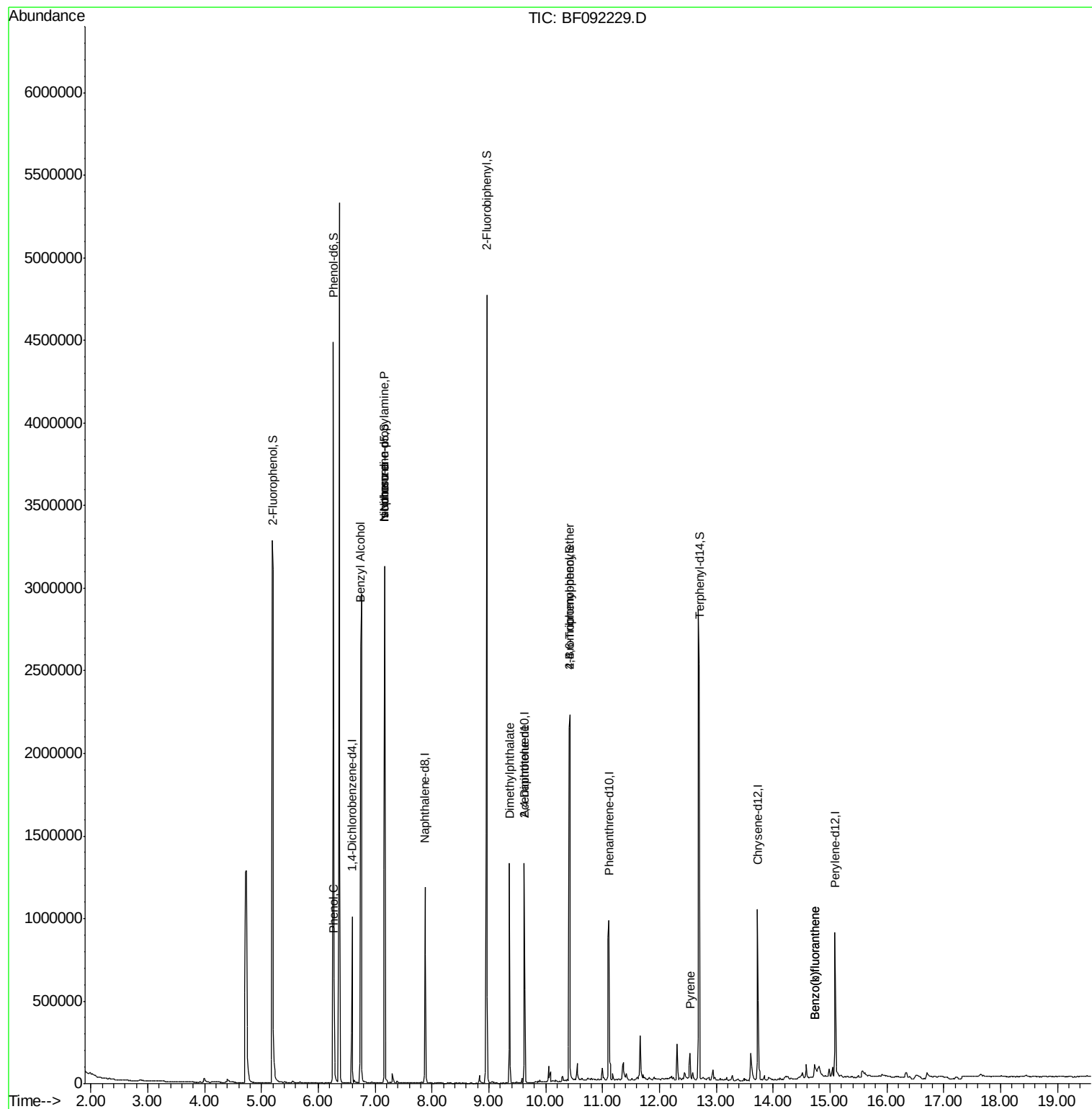
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	161682	20.00	ng	-0.05
21) Naphthalene-d8	7.88	136	714197	20.00	ng	-0.06
38) Acenaphthene-d10	9.62	164	329481	20.00	ng	-0.06
63) Phenanthrene-d10	11.11	188	516929	20.00	ng	-0.05
75) Chrysene-d12	13.73	240	375276	20.00	ng	-0.06
86) Perylene-d12	15.09	264	390822	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1440151	148.73	ng	-0.03
7) Phenol-d6	6.26	99	1777559	150.36	ng	-0.05
23) Nitrobenzene-d5	7.17	82	1163394	90.58	ng	-0.05
41) 2,4,6-Tribromophenol	10.42	330	436481	160.08	ng	-0.05
44) 2-Fluorobiphenyl	8.96	172	1576183	100.35	ng	-0.05
78) Terphenyl-d14	12.70	244	1332196	86.09	ng	-0.05
Target Compounds						
10) Phenol	6.28	94	42871	3.18	ng	Qvalue 76
15) Benzyl Alcohol	6.74	79	19931	2.17	ng	# 46
19) n-Nitroso-di-n-propylamine	7.17	70	154479	19.64	ng	# 77
25) Isophorone	7.17	82	1154890	48.74	ng	# 65
37) 2-Methylnaphthalene	8.60	142	912	Below Cal	#	73
49) Dimethylphthalate	9.36	163	510419	24.22	ng	99
56) 2,4-Dinitrotoluene	9.62	165	42368	7.32	ng	# 20
66) 4-Bromophenyl-phenylether	10.42	248	26818	4.99	ng	# 1
71) Anthracene	11.18	178	12008	Below Cal		97
73) Di-n-butylphthalate	11.68	149	12050	Below Cal		97
74) Fluoranthene	12.31	202	86703	Below Cal		95
76) Benzidine	12.69	184	16906	Below Cal		97
77) Pyrene	12.54	202	67911	2.47	ng	96
87) Benzo(b)fluoranthene	14.73	252	53559	2.20	ng	97
88) Benzo(k)fluoranthene	14.73	252	53559	2.58	ng	# 96

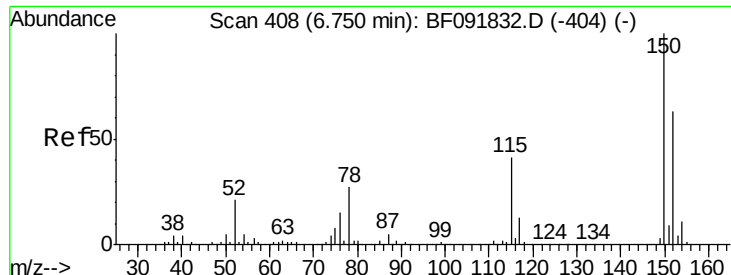
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 412

Delta R.T. -0.05 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampled :

DUP

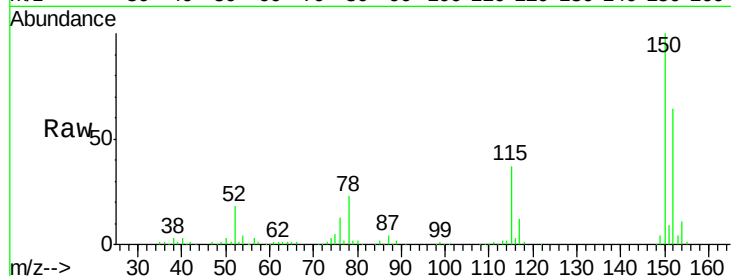
Tgt Ion:152 Resp: 161682

Ion Ratio Lower Upper

152 100

150 156.3 124.9 187.3

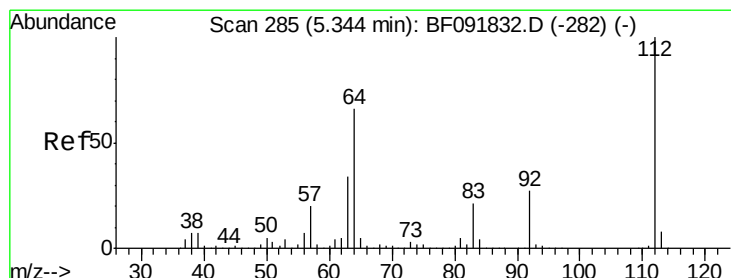
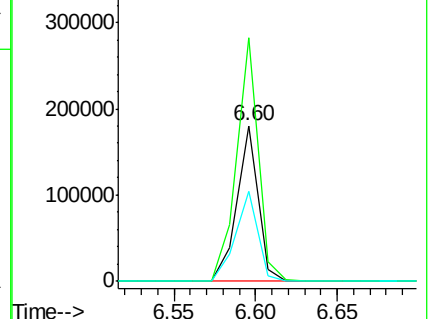
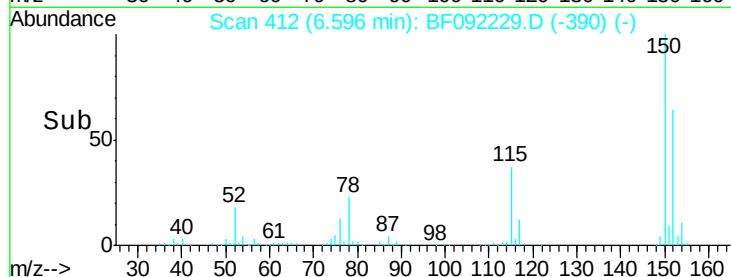
115 58.0 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 148.73 ng

RT: 5.20 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

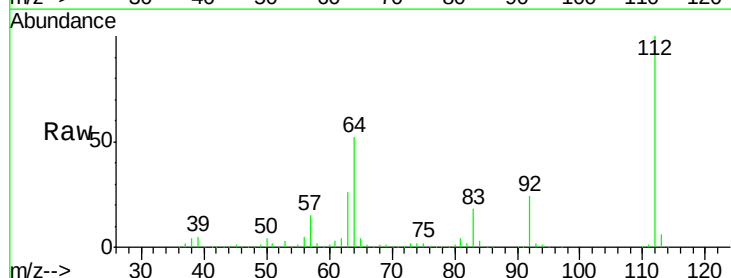
Tgt Ion:112 Resp: 1440151

Ion Ratio Lower Upper

112 100

64 51.6 46.1 69.1

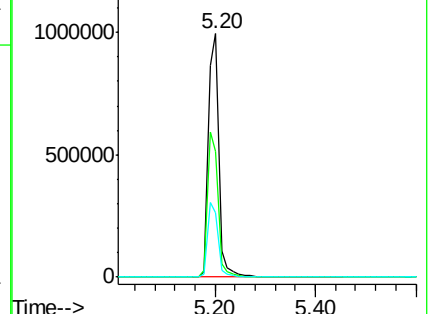
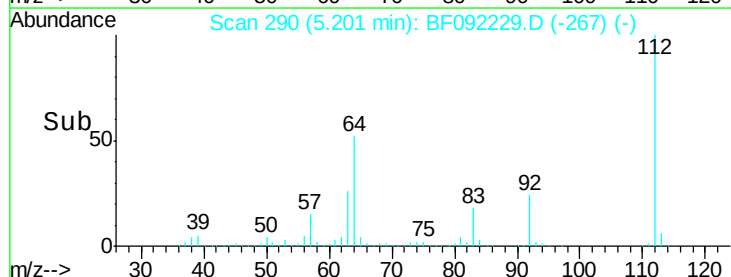
63 26.5 23.8 35.6

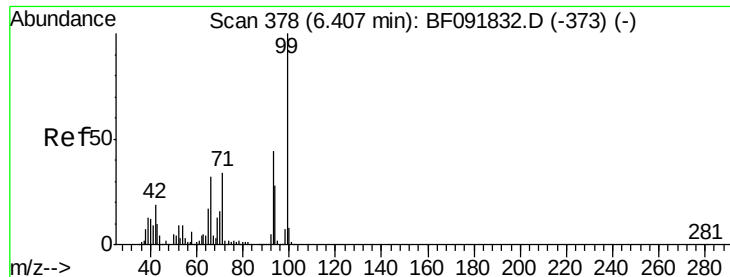


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.36 ng

RT: 6.26 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampleId :

DUP

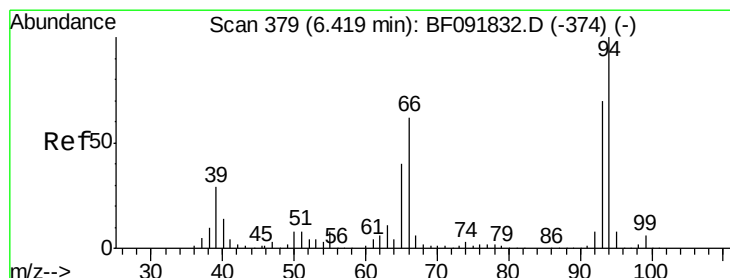
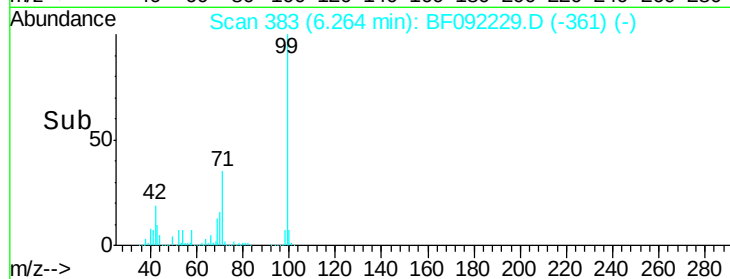
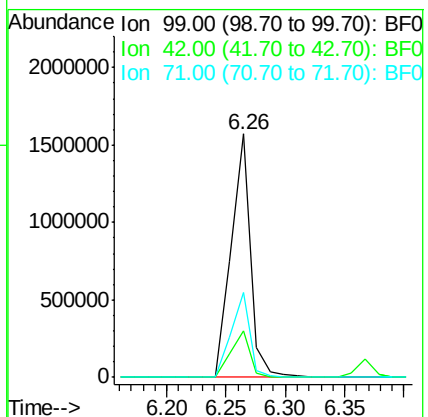
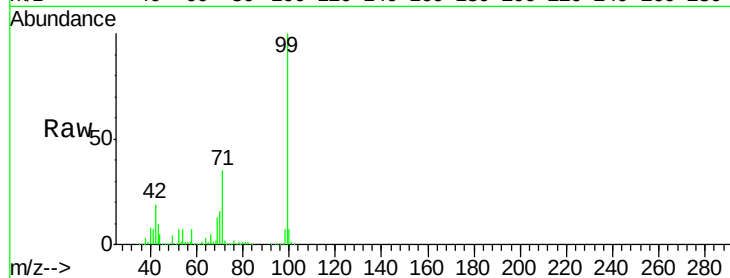
Tgt Ion: 99 Resp: 1777559

Ion Ratio Lower Upper

99 100

42 19.3 15.6 23.4

71 34.9 27.5 41.3



#10

Phenol

Concen: 3.18 ng

RT: 6.28 min Scan# 384

Delta R.T. -0.05 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

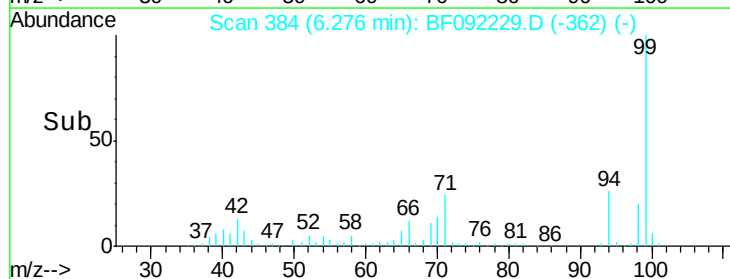
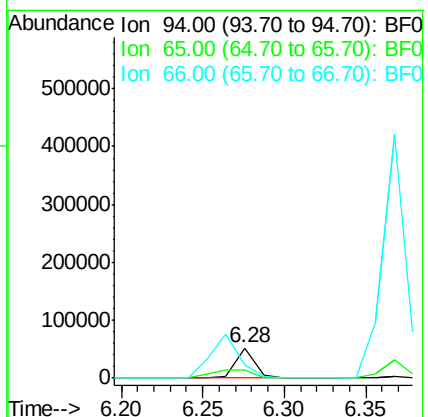
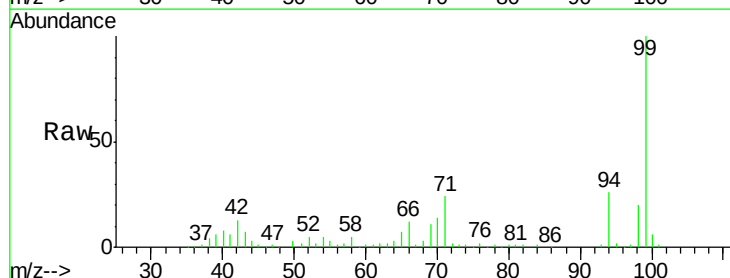
Tgt Ion: 94 Resp: 42871

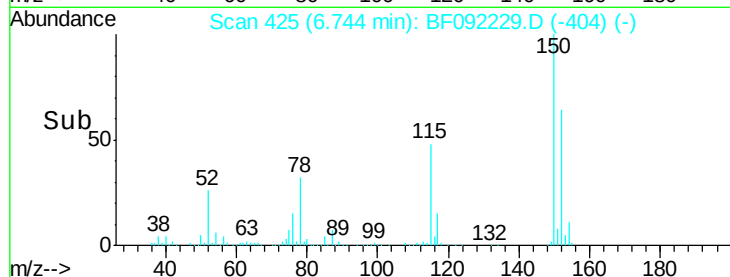
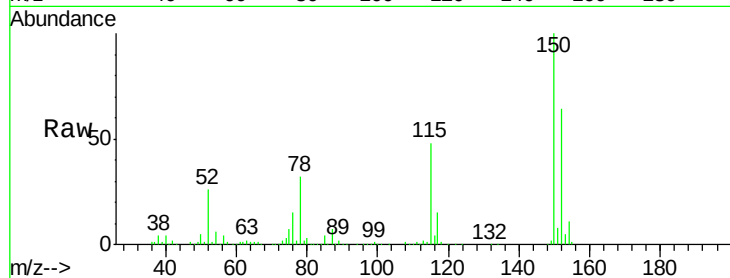
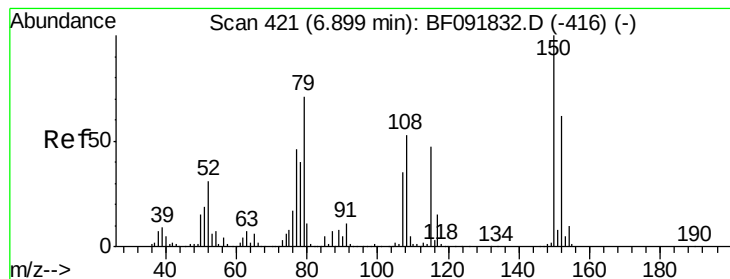
Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

66 45.3 44.0 84.0





#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 6.74 min Scan# 425

Delta R.T. -0.06 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampleId :

DUP

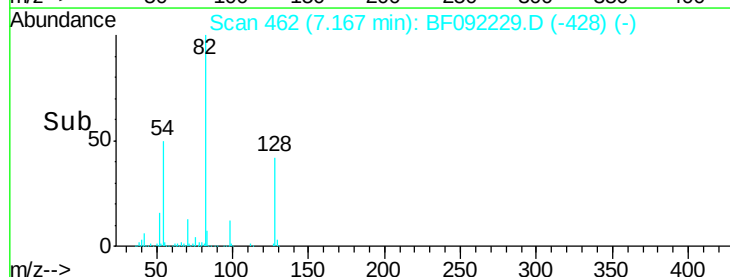
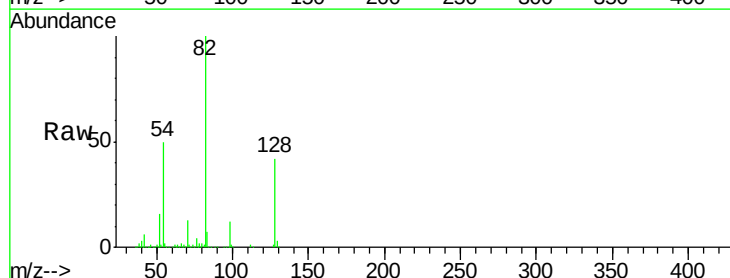
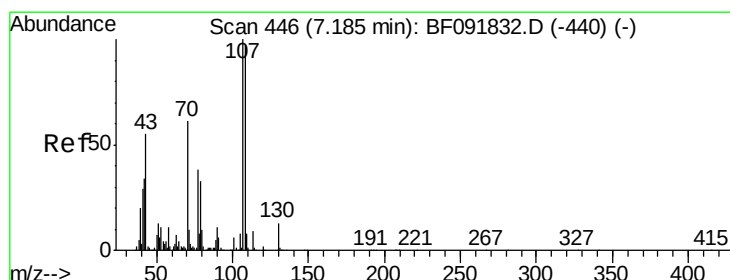
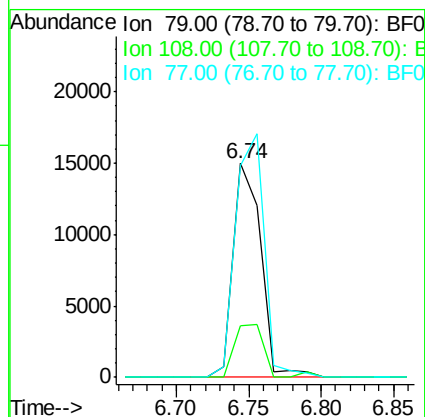
Tgt Ion: 79 Resp: 19931

Ion Ratio Lower Upper

79 100

108 24.2 61.4 92.0#

77 99.2 50.9 76.3#



#19

n-Nitroso-di-n-propylamine

Concen: 19.64 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.09 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Tgt Ion: 70 Resp: 154479

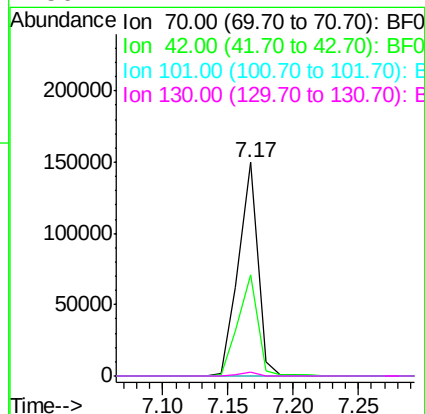
Ion Ratio Lower Upper

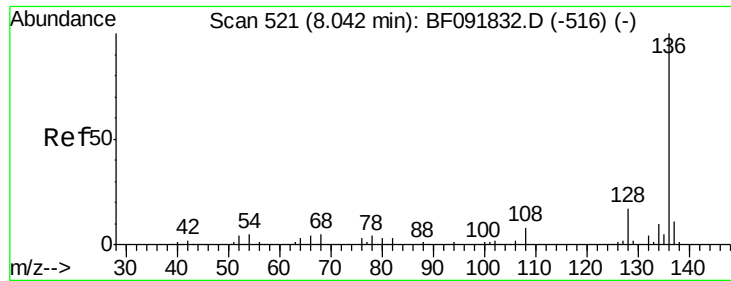
70 100

42 47.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

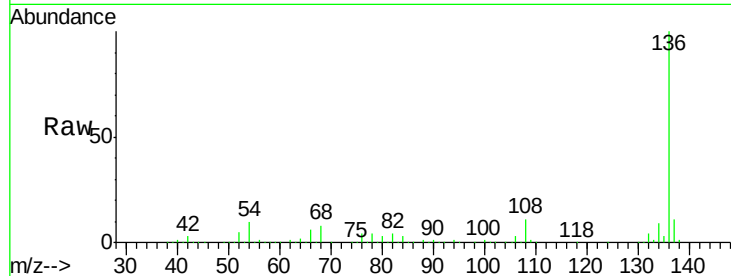




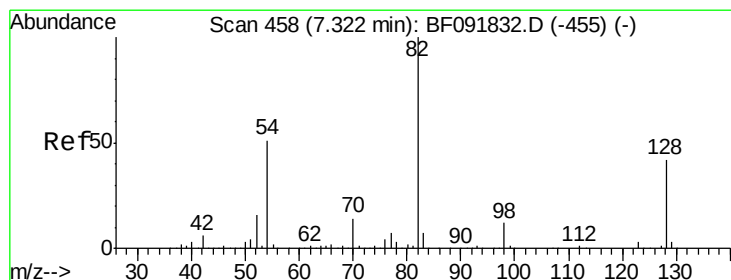
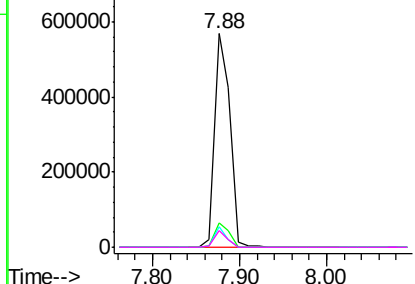
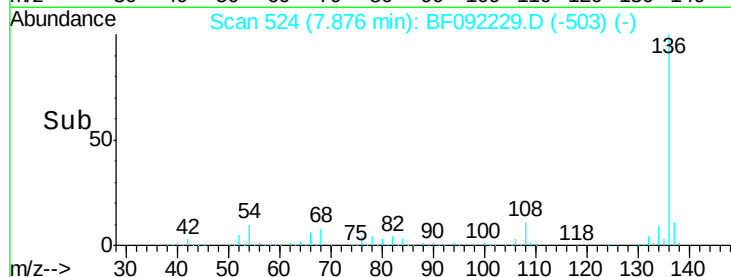
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 524
Delta R.T. -0.06 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion:	136	Resp:	714197
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.6	4.5	6.7#
68	7.6	3.6	5.4#

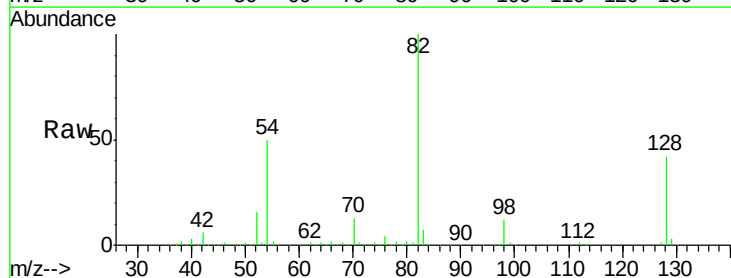


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

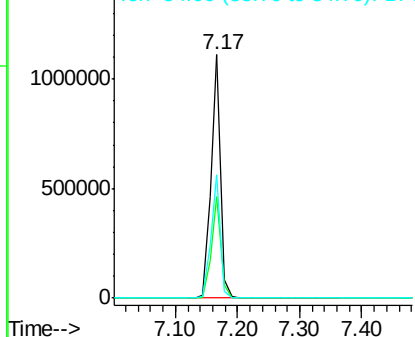
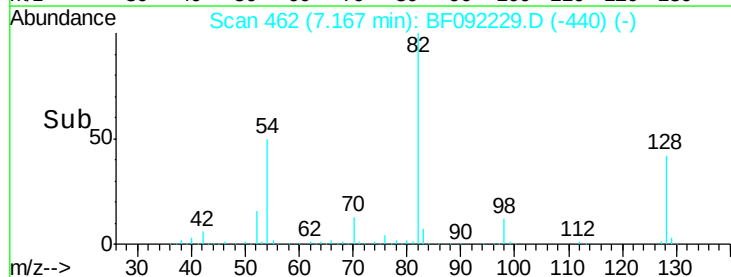


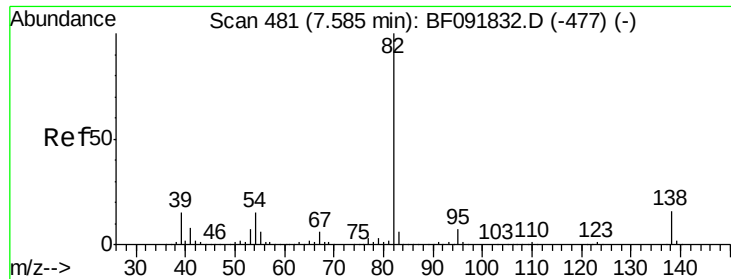
#23
Nitrobenzene-d5
Concen: 90.58 ng
RT: 7.17 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Tgt Ion:	82	Resp:	1163394
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	52.0
54	50.5	39.5	59.3



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





#25

Isophorone

Concen: 48.74 ng

RT: 7.17 min Scan# 462

Delta R.T. -0.31 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampleId :

DUP

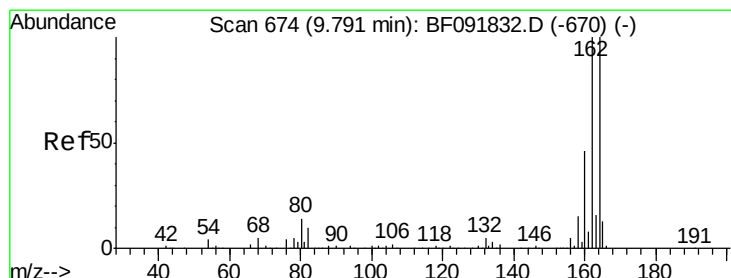
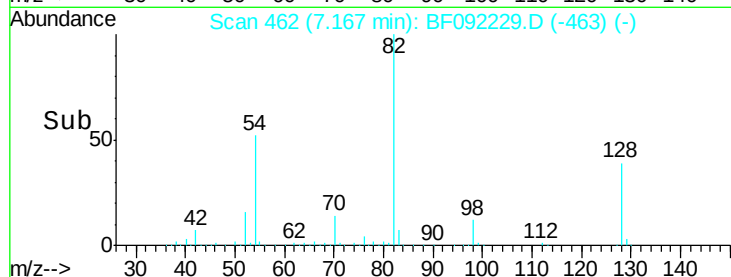
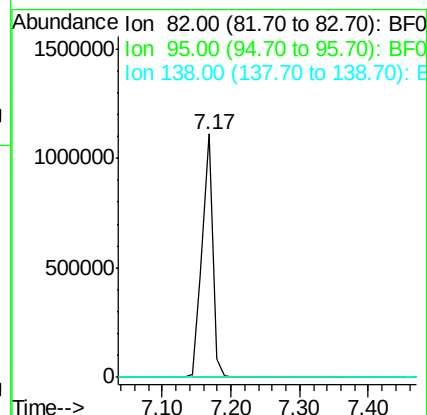
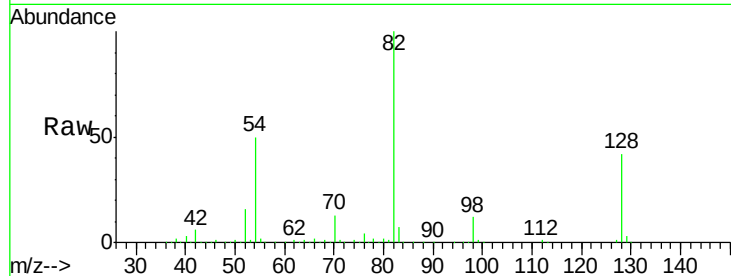
Tgt Ion: 82 Resp: 1154890

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 677

Delta R.T. -0.06 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

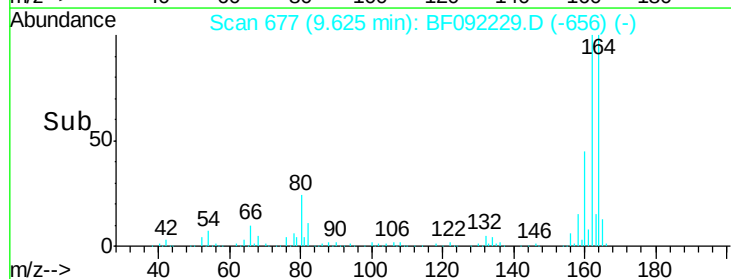
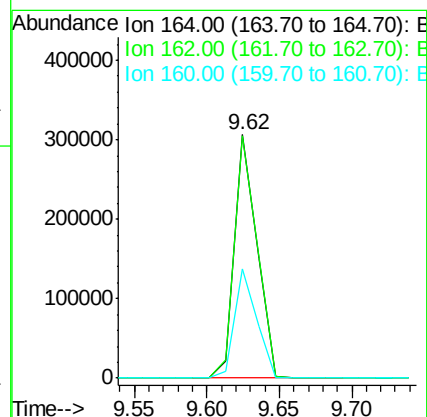
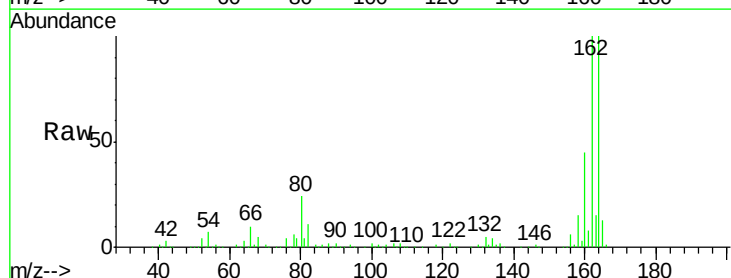
Tgt Ion: 164 Resp: 329481

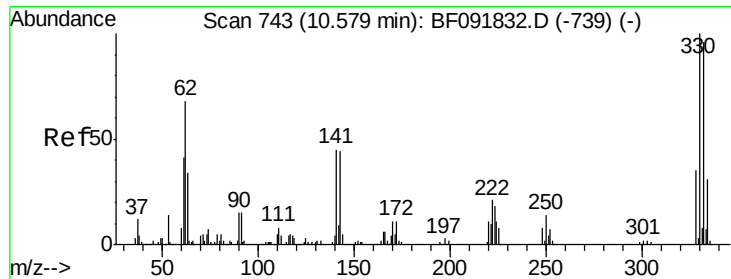
Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

160 44.9 36.9 55.3

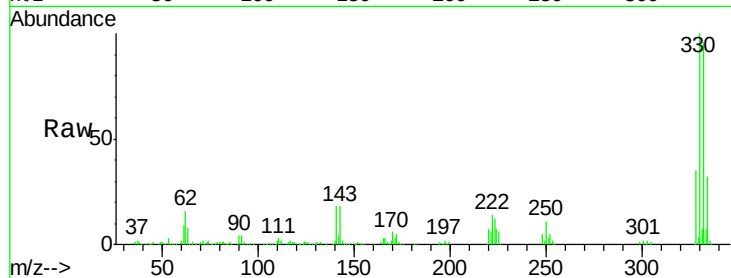




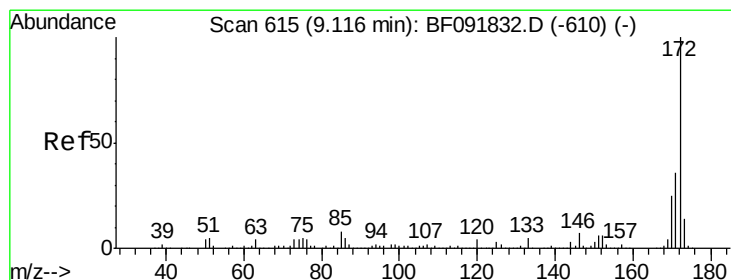
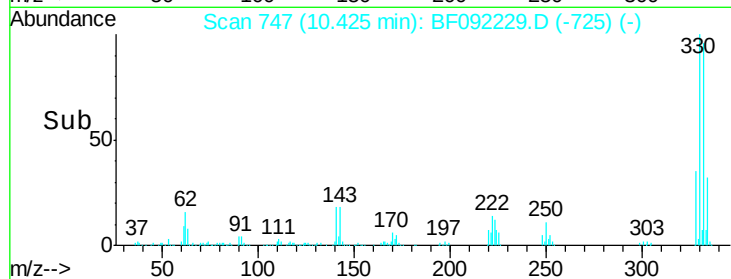
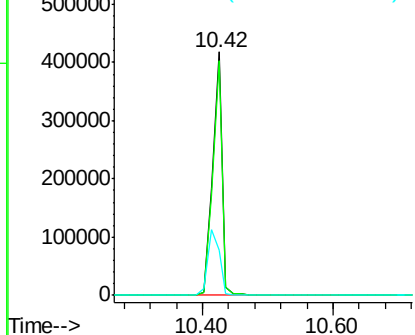
#41
 2,4,6-Tribromophenol
 Concen: 160.08 ng
 RT: 10.42 min Scan# 747
 Delta R.T. -0.05 min
 Lab File: BF092229.D
 Acq: 13 Jan 2017 2:23

Instrument :
 BNA_F
 ClientSampled :
 DUP

Tgt Ion:330 Resp: 436481
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.4 116.2
 141 32.7 34.1 51.1#

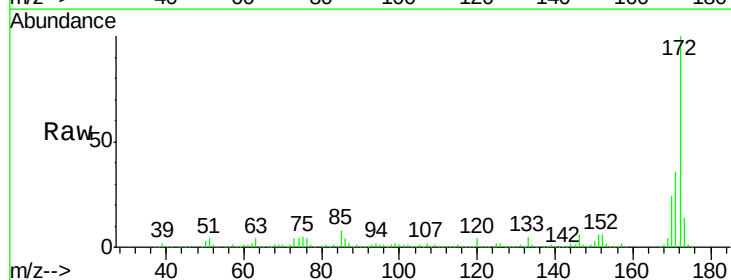


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

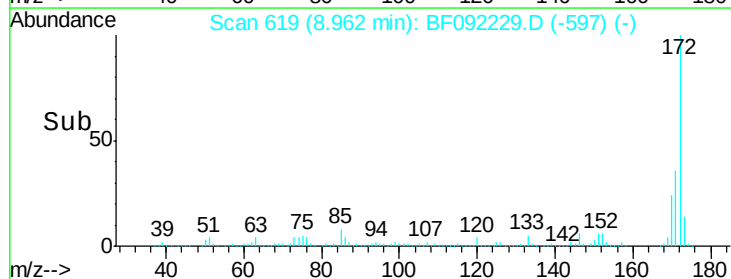
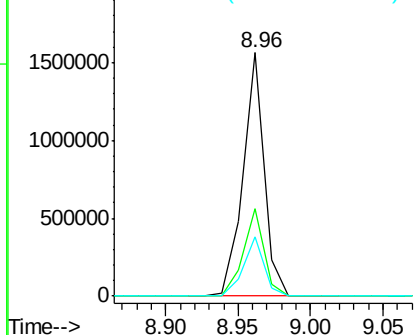


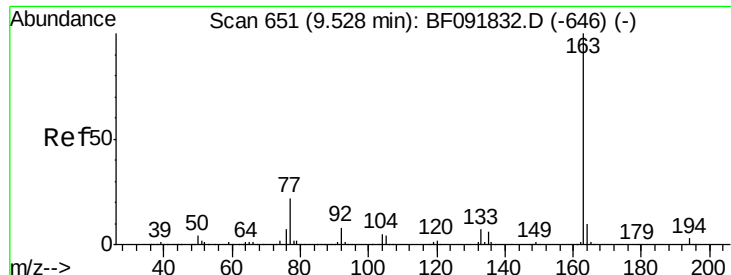
#44
 2-Fluorobiphenyl
 Concen: 100.35 ng
 RT: 8.96 min Scan# 619
 Delta R.T. -0.05 min
 Lab File: BF092229.D
 Acq: 13 Jan 2017 2:23

Tgt Ion:172 Resp: 1576183
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.3 20.2 30.4



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

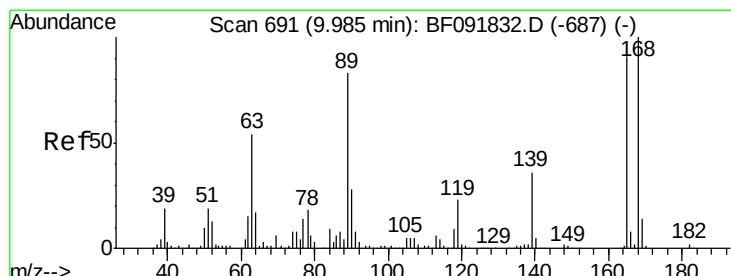
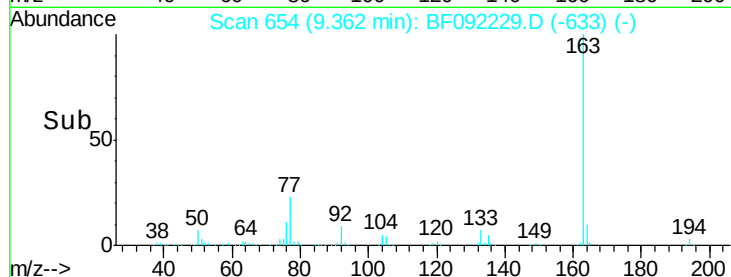
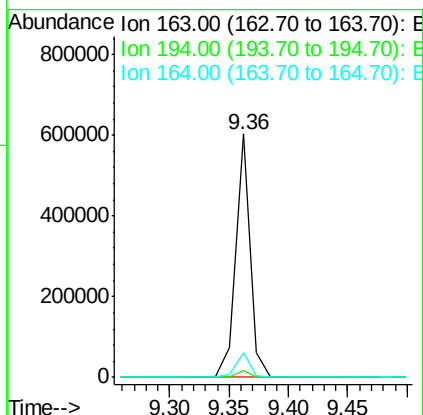
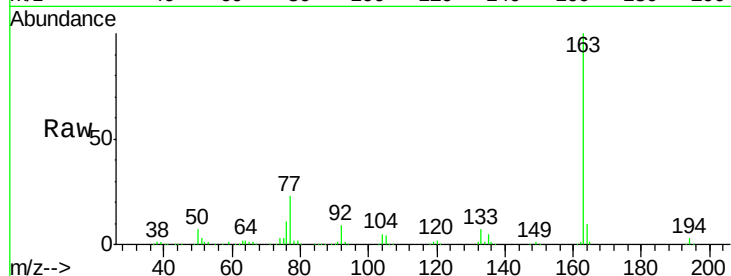




#49
Dimethylphthalate
Concen: 24.22 ng
RT: 9.36 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

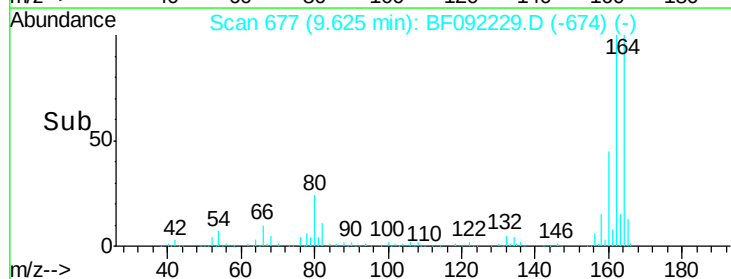
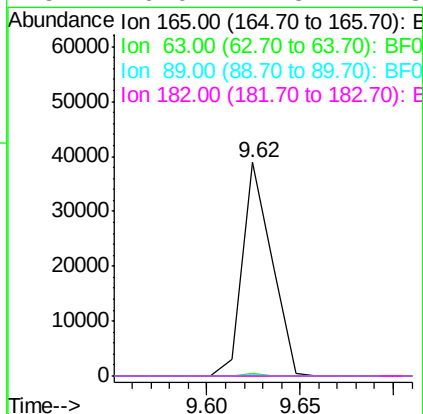
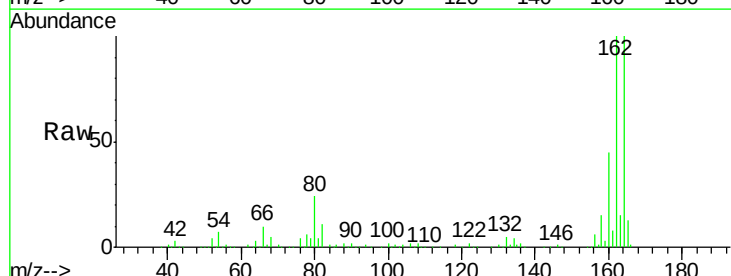
Instrument :
BNA_F
ClientSampleId :
DUP

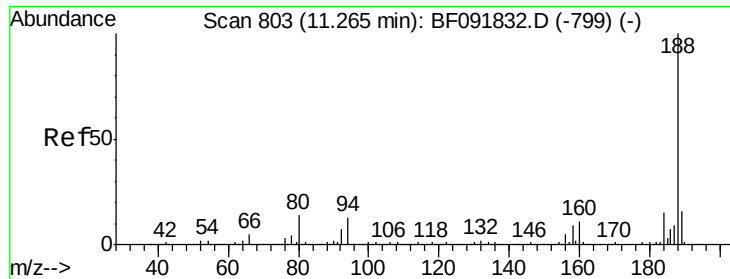
Tgt Ion:163 Resp: 510419
Ion Ratio Lower Upper
163 100
194 3.0 3.0 4.4
164 10.3 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 7.32 ng
RT: 9.62 min Scan# 677
Delta R.T. -0.26 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Tgt Ion:165 Resp: 42368
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 0.9 62.5 93.7#
182 0.0 1.8 2.8#

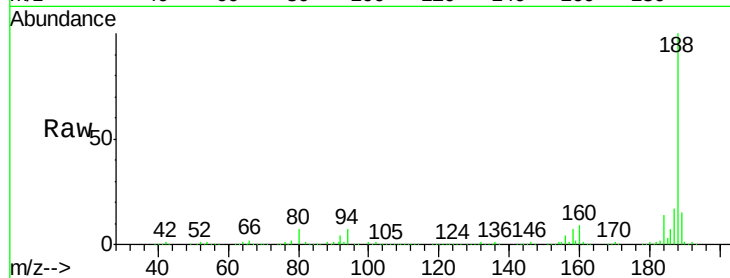




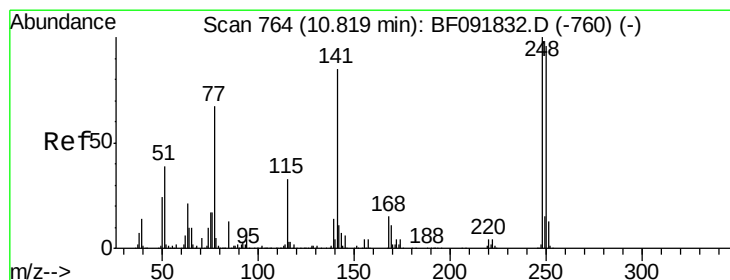
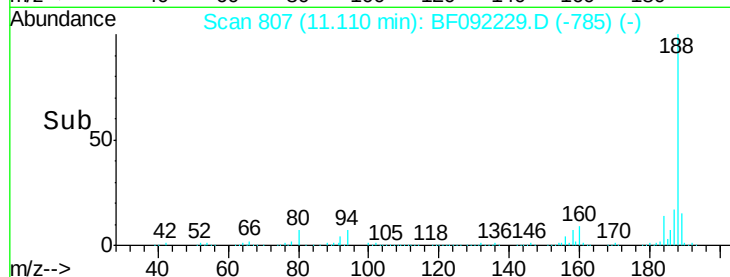
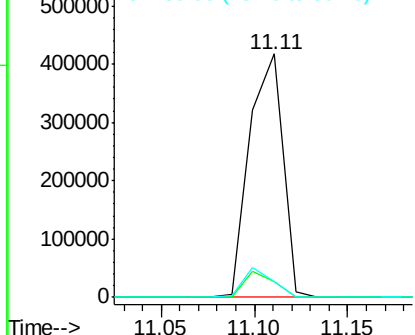
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 807
Delta R.T. -0.05 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion:188 Resp: 516929
Ion Ratio Lower Upper
188 100
94 6.6 10.0 15.0#
80 6.7 11.2 16.8#

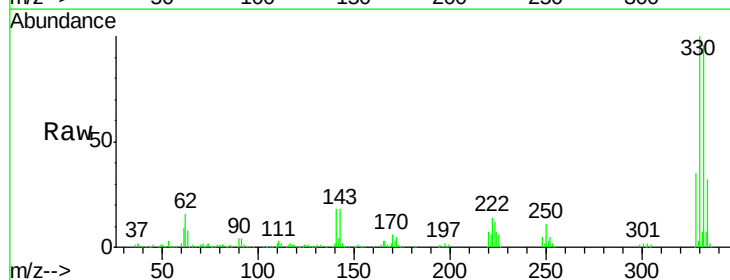


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

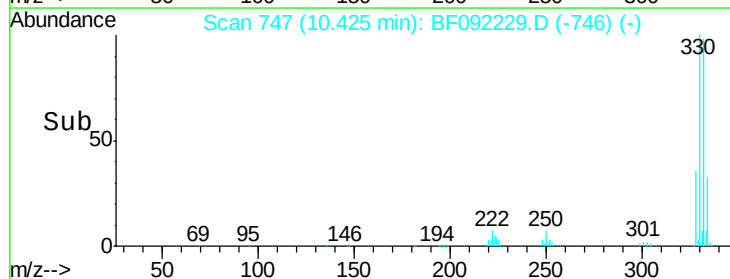
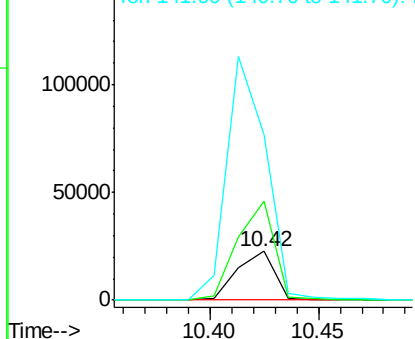


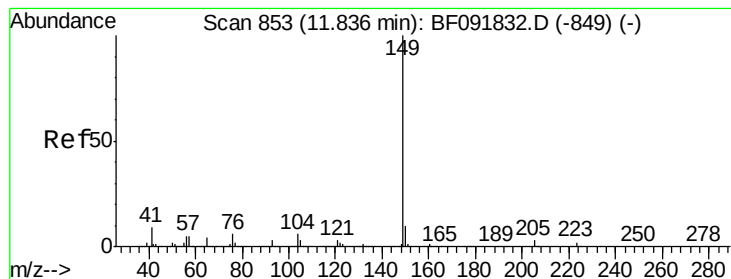
#66
4-Bromophenyl-phenylether
Concen: 4.99 ng
RT: 10.42 min Scan# 747
Delta R.T. -0.29 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Tgt Ion:248 Resp: 26818
Ion Ratio Lower Upper
248 100
250 203.2 76.9 115.3#
141 339.9 68.2 102.4#



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





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.68 min Scan# 857

Delta R.T. -0.05 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampleId :

DUP

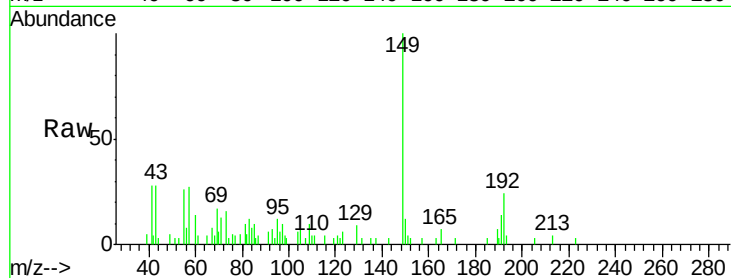
Tgt Ion:149 Resp: 12050

Ion Ratio Lower Upper

149 100

150 11.8 8.1 12.1

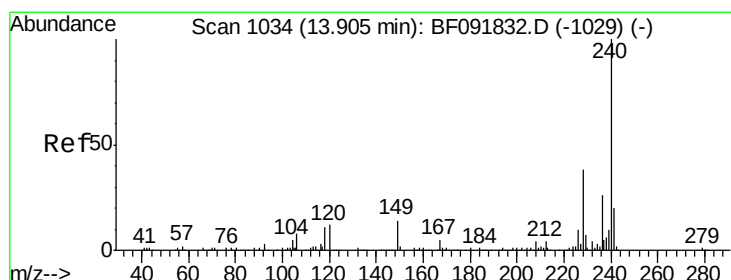
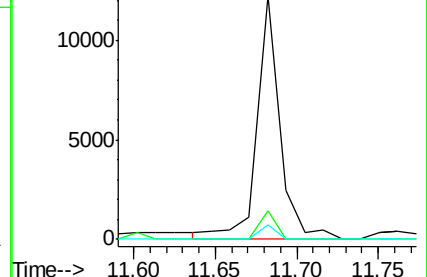
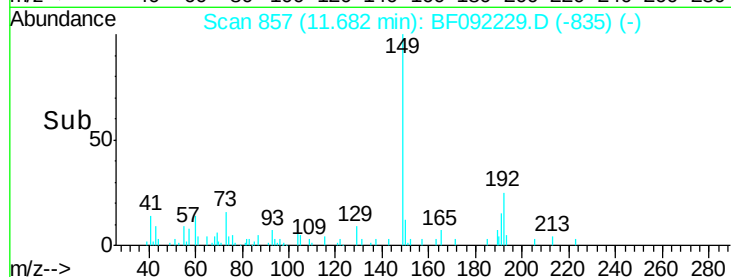
104 6.1 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

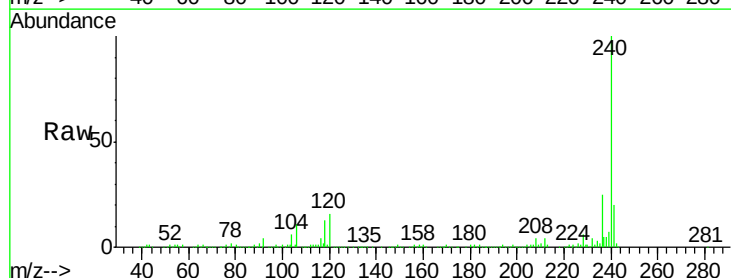
Tgt Ion:240 Resp: 375276

Ion Ratio Lower Upper

240 100

120 15.6 12.9 19.3

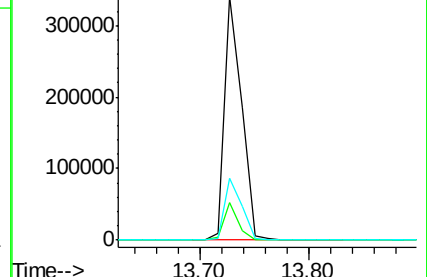
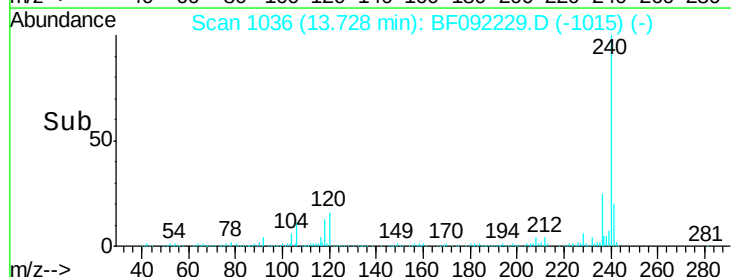
236 25.2 20.9 31.3

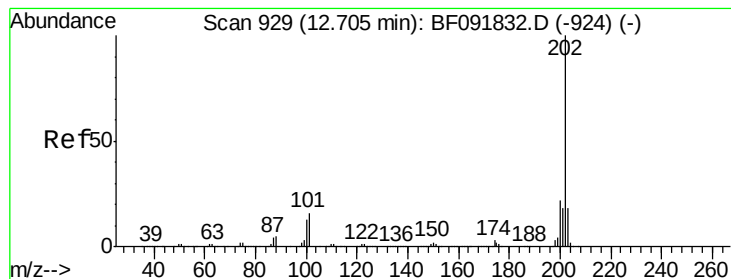


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.47 ng

RT: 12.54 min Scan# 932

Delta R.T. -0.05 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampled :

DUP

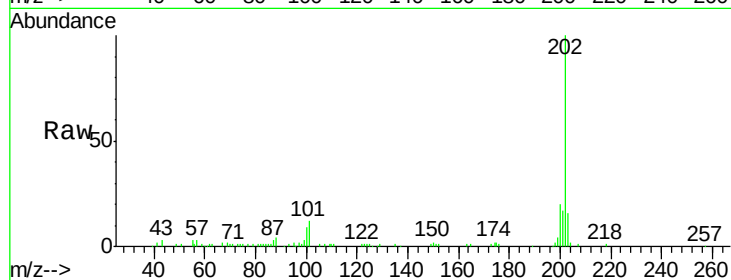
Tgt Ion: 202 Resp: 67911

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

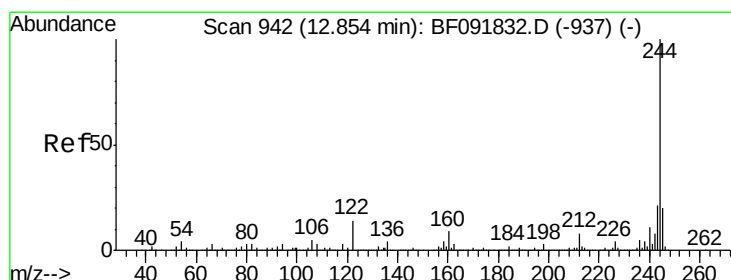
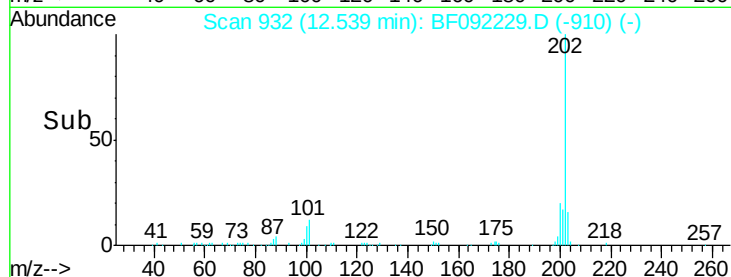
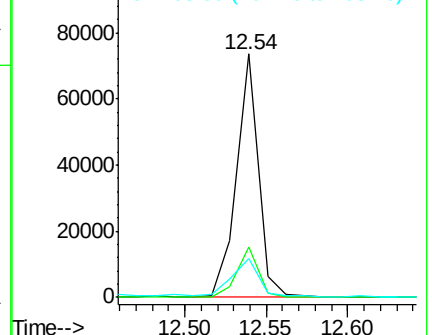
203 16.1 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 86.09 ng

RT: 12.70 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092229.D

Acq: 13 Jan 2017 2:23

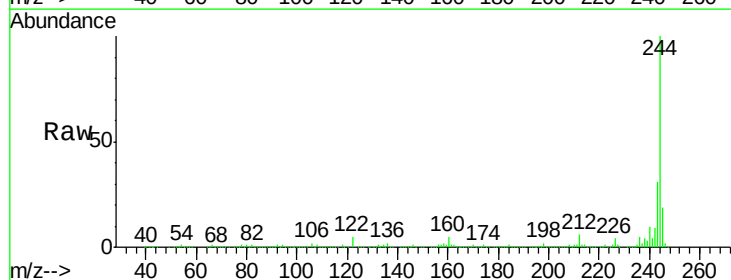
Tgt Ion: 244 Resp: 1332196

Ion Ratio Lower Upper

244 100

212 6.1 6.2 9.2#

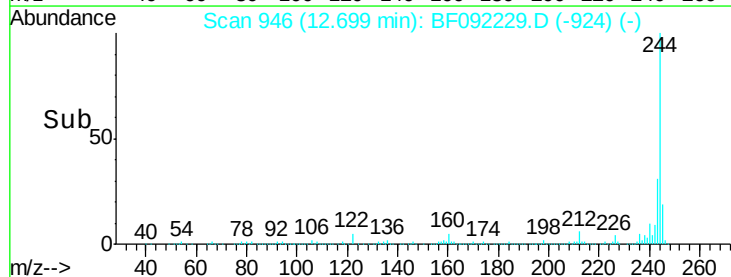
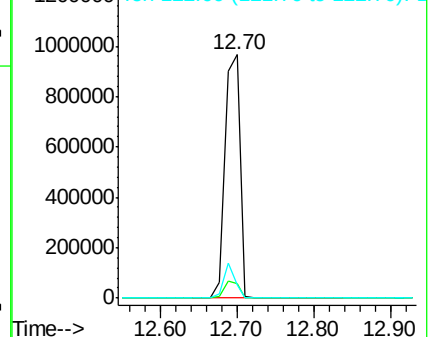
122 5.3 11.4 17.2#

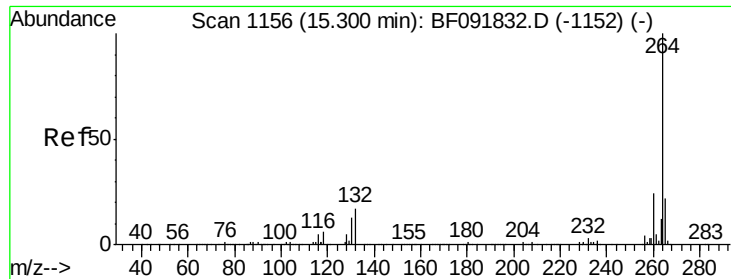


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



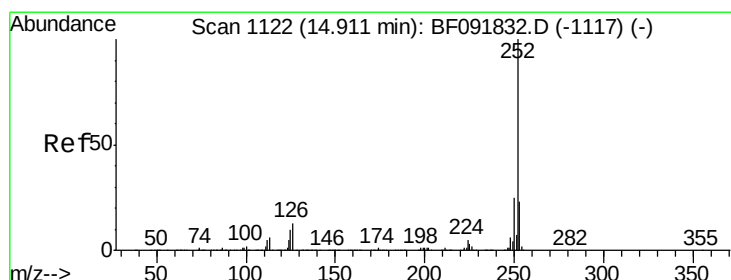
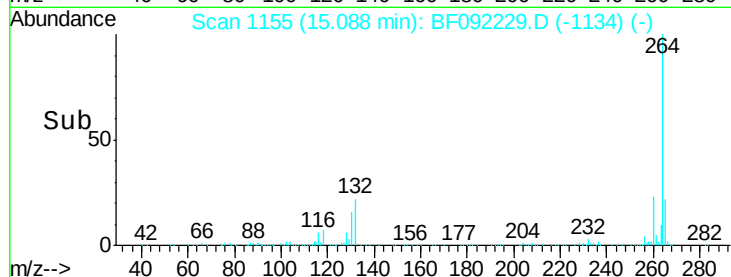
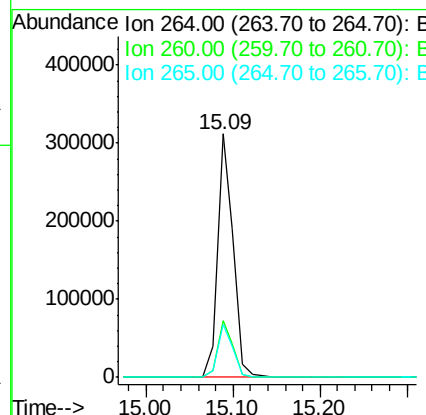
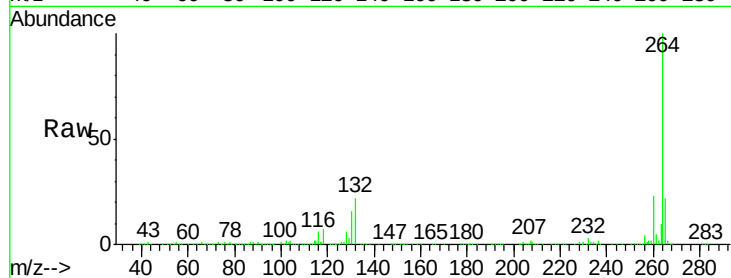


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.06 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Instrument :
BNA_F
ClientSampleId :
DUP

Tgt Ion: 264 Resp: 390822

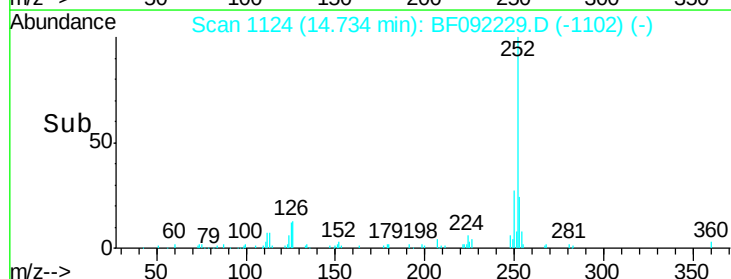
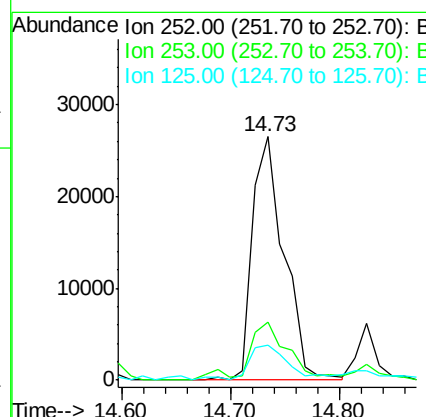
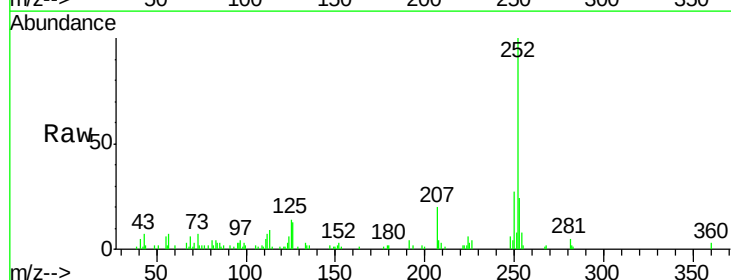
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.4	26.0

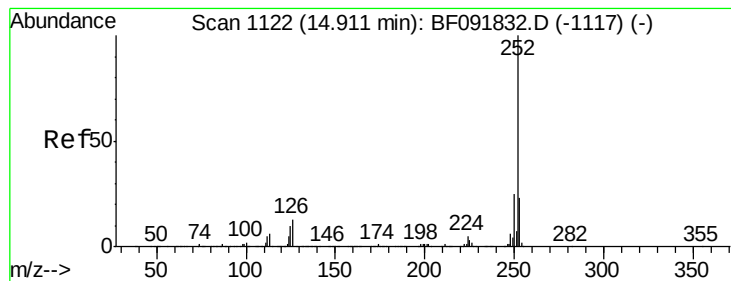


#87
Benzo(b)fluoranthene
Concen: 2.20 ng
RT: 14.73 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF092229.D
Acq: 13 Jan 2017 2:23

Tgt Ion: 252 Resp: 53559

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	14.2	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 2.58 ng

RT: 14.73 min Scan# 1124

Delta R.T. -0.07 min

Lab File: BF092229.D

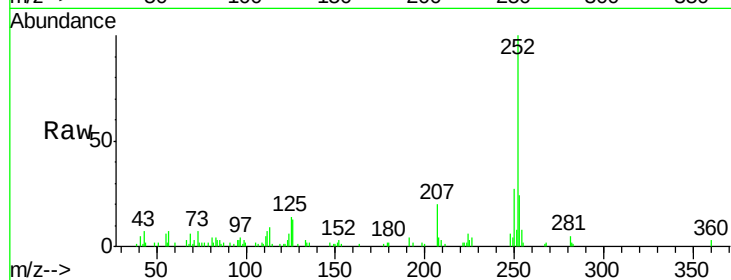
Acq: 13 Jan 2017 2:23

Instrument :

BNA_F

ClientSampleId :

DUP



Tgt Ion:	252	Resp:	53559
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	14.2	8.9	13.3

