

Data Path : Z:\HPCHEM1\BNA F\Data\BF122116\
 Data File : BF091871.D
 Acq On : 22 Dec 2016 8:28
 Operator : UM/SJ
 Sample : H6156-17
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

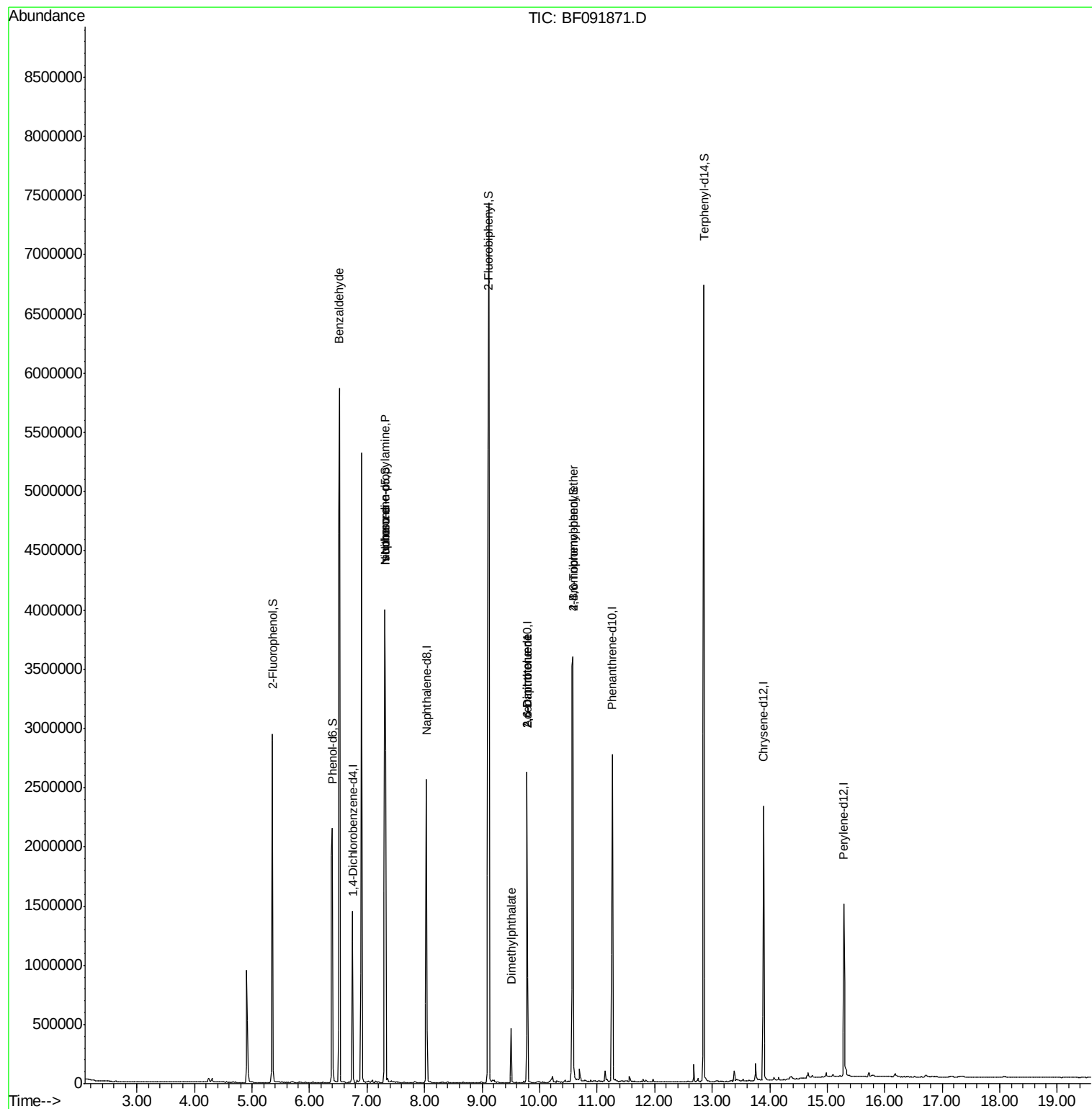
Quant Time: Dec 22 16:09:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

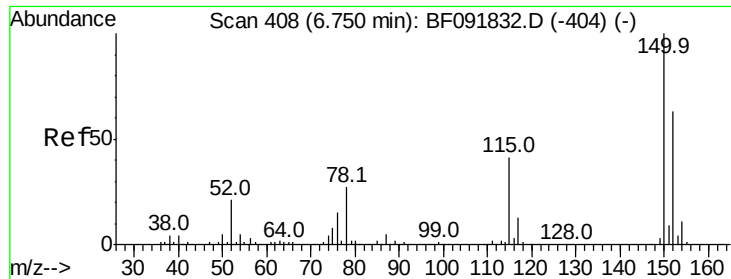
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	311665	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1286658	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	639013	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1103860	20.00	ng	0.00
75) Chrysene-d12	13.89	240	797138	20.00	ng	-0.01
86) Perylene-d12	15.29	264	694537	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1263909	67.71	ng	0.01
7) Phenol-d6	6.40	99	1123295	49.29	ng	-0.01
23) Nitrobenzene-d5	7.31	82	2113529	91.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	748660	141.57	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3372853	112.29	ng	0.00
78) Terphenyl-d14	12.85	244	2388657	72.67	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	50627	2.75	ng	# 78
19) n-Nitroso-di-n-propylamine	7.31	70	274411	18.10	ng	# 76
25) Isophorone	7.31	82	1681099	39.38	ng	# 65
37) 2-Methylnaphthalene	8.74	142	271	Below Cal	#	60
49) Dimethylphthalate	9.50	163	187090	4.58	ng	99
50) 2,6-Dinitrotoluene	9.78	165	82189	9.19	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	82191	7.32	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	47178	4.11	ng	# 1
71) Anthracene	11.29	178	831	Below Cal	#	59
73) Di-n-butylphthalate	11.84	149	3144	Below Cal	#	85
74) Fluoranthene	12.69	202	535	Below Cal		61

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

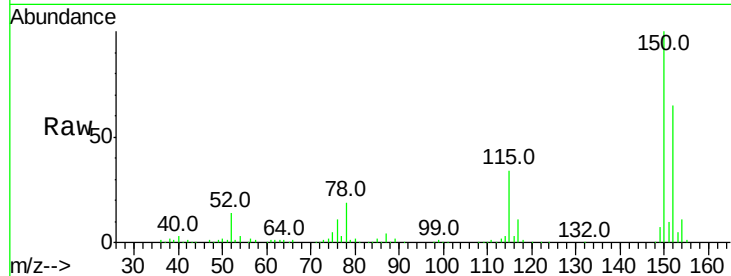
Tot Ion:152 Resp: 311665

Ion Ratio Lower Upper

152 100

150 153.9 124.9 187.3

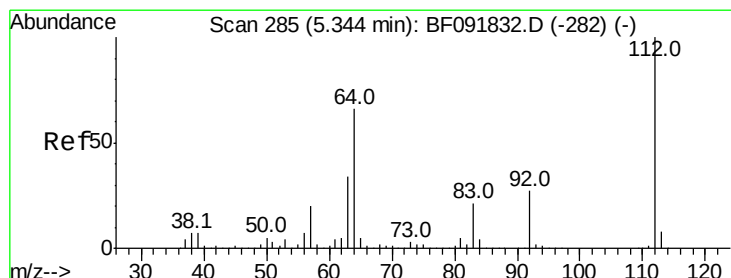
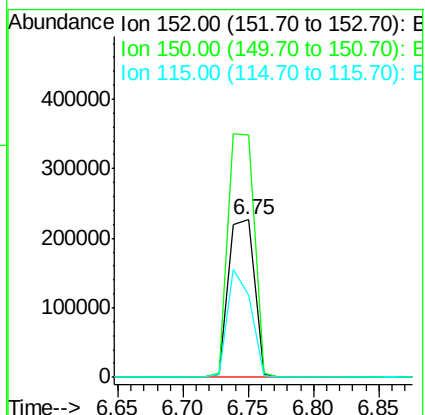
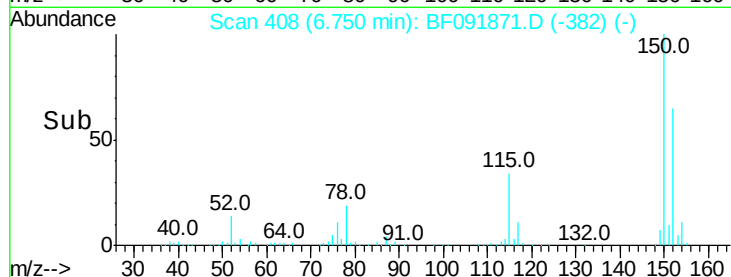
115 52.0 46.0 69.0



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: 67.71 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

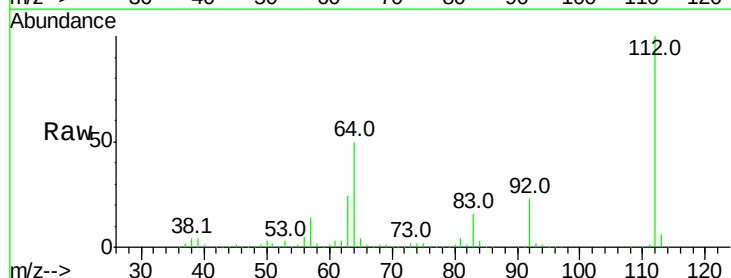
Tgt Ion:112 Resp: 1263909

Ion Ratio Lower Upper

112 100

64 50.3 46.1 69.1

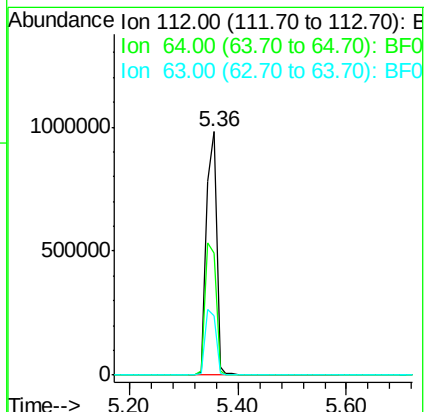
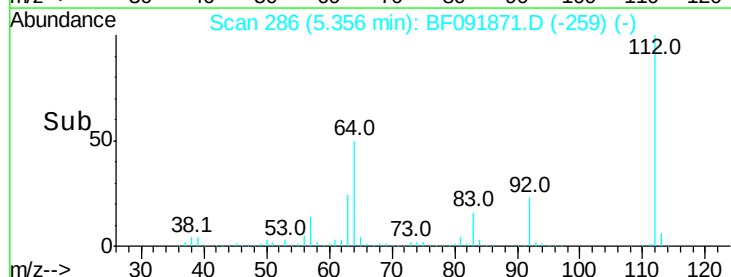
63 24.3 23.8 35.6

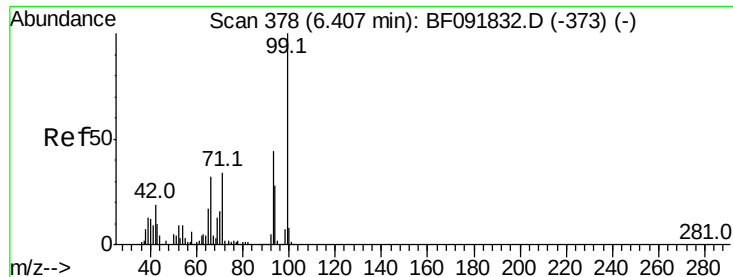


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.29 ng

RT: 6.40 min Scan# 377

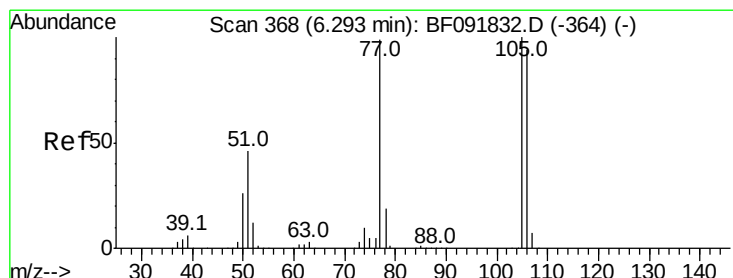
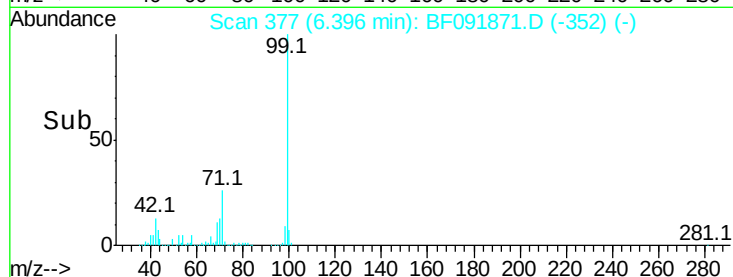
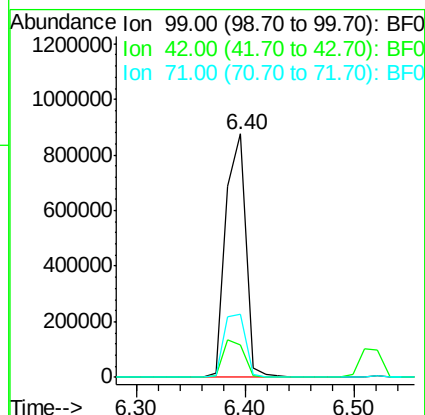
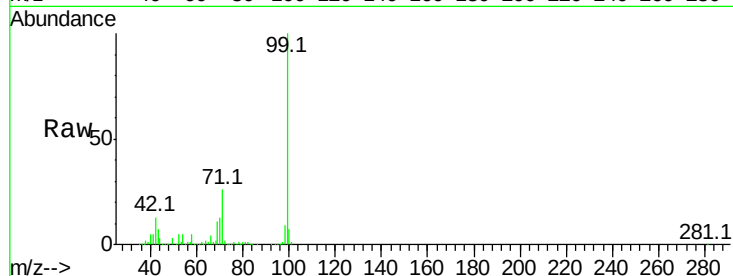
Delta R.T. -0.01 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

Tot Ion: 99 Resp: 1123295

Ion	Ratio	Lower	Upper
99	100		
42	13.2	15.6	23.4#
71	26.1	27.5	41.3#



#9

Benzaldehyde

Concen: 2.75 ng

RT: 6.52 min Scan# 388

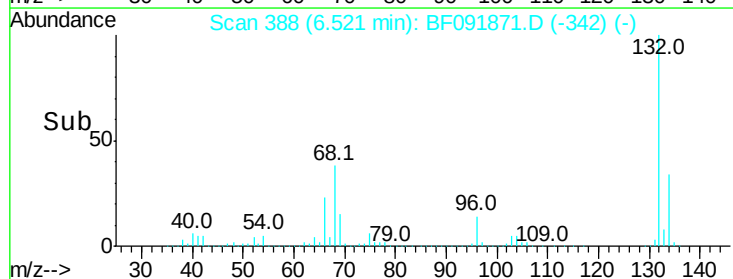
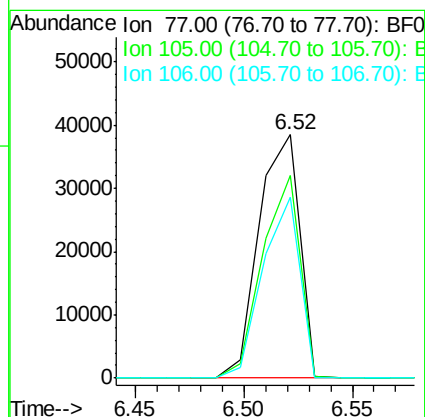
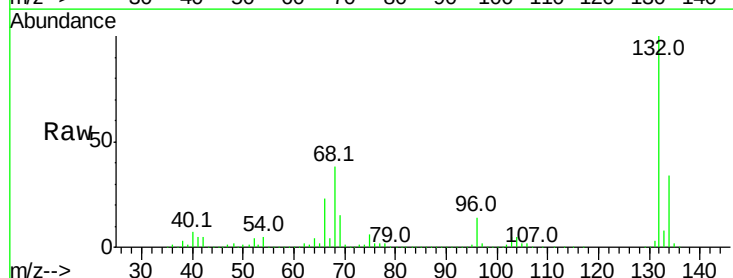
Delta R.T. 0.23 min

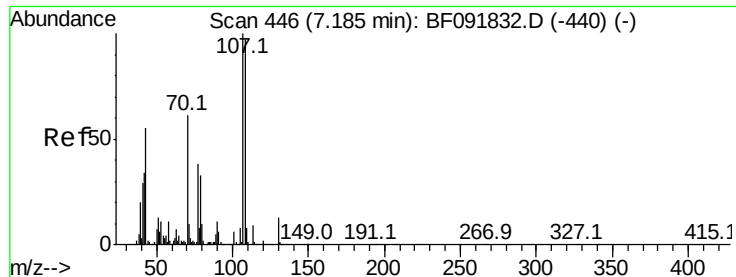
Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

Tgt Ion: 77 Resp: 50627

Ion	Ratio	Lower	Upper
77	100		
105	83.2	83.9	123.9#
106	74.4	77.6	117.6#





#19

n-Nitroso-di-n-propylamine

Concen: 18.10 ng

RT: 7.31 min Scan# 457

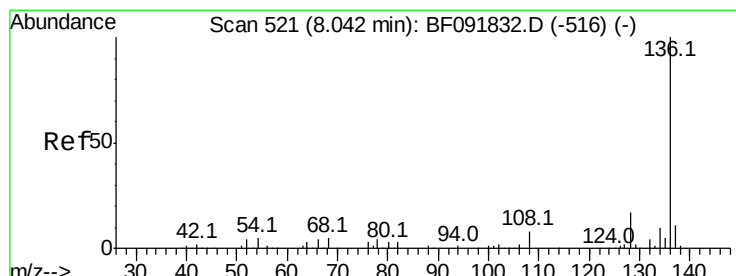
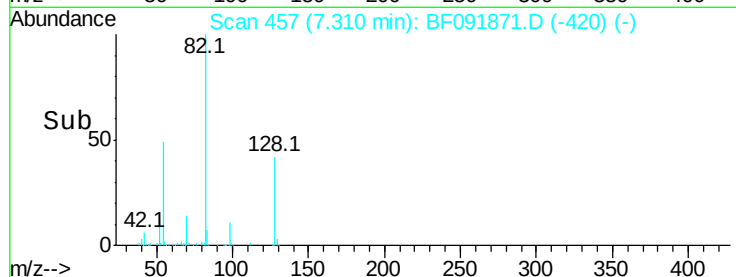
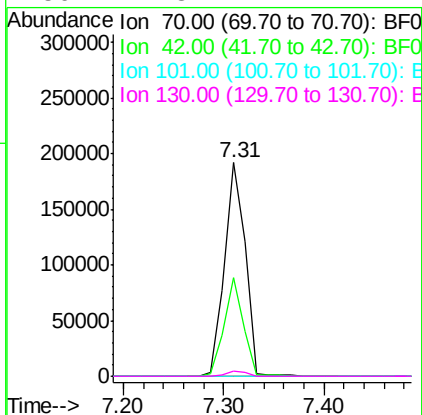
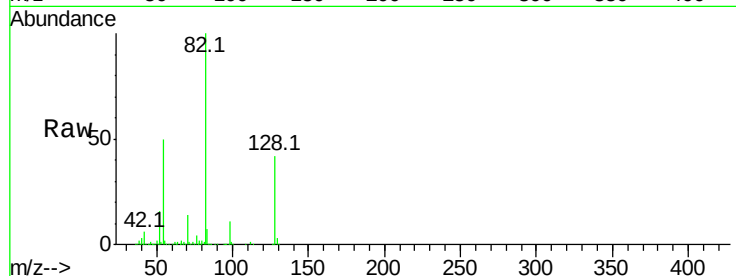
Delta R.T. 0.13 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

Tot Ion: 70 Resp: 274411

Ion	Ratio	Lower	Upper
70	100		
42	46.2	49.4	74.0#
101	0.0	7.4	11.2#
130	2.3	14.2	21.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

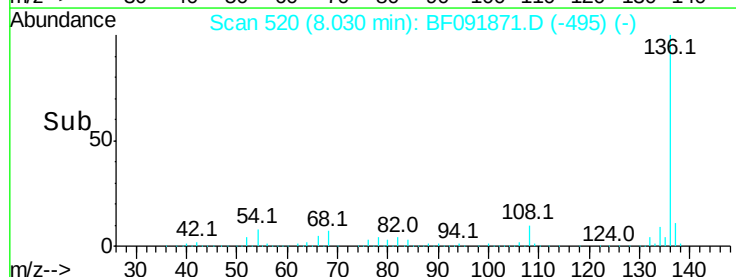
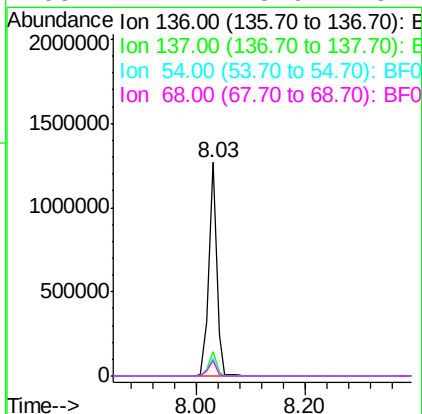
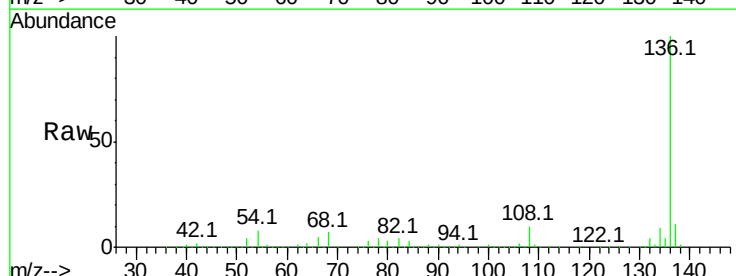
Delta R.T. -0.01 min

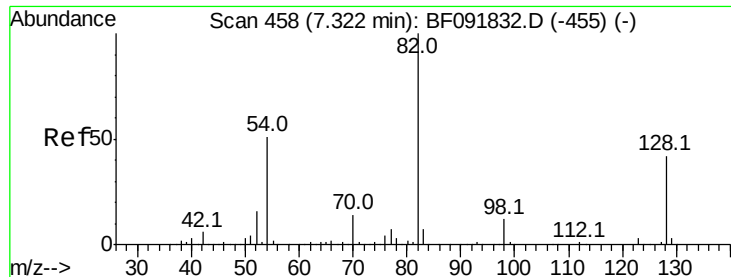
Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

Tgt Ion: 136 Resp: 1286658

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	8.5	4.5	6.7#
68	7.2	3.6	5.4#

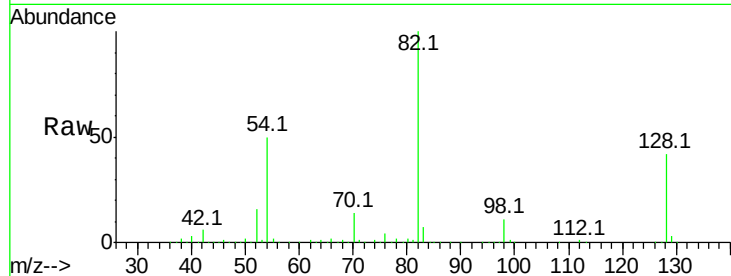




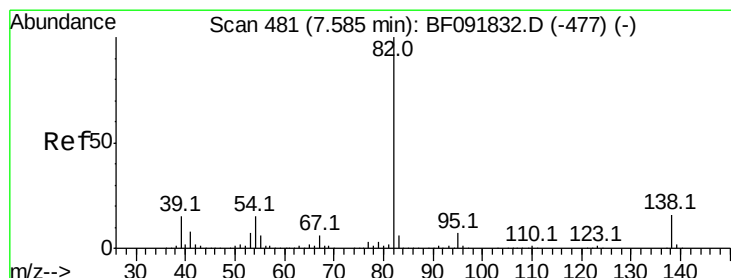
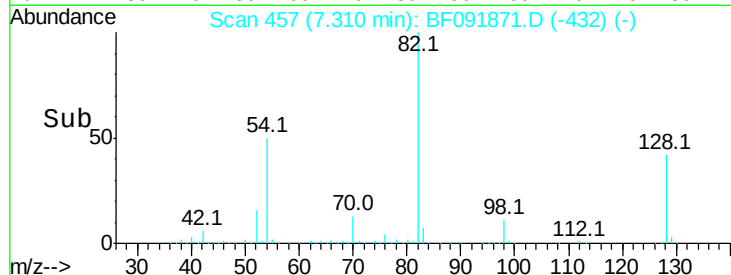
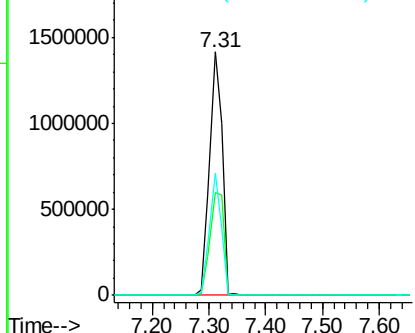
#23
Nitrobenzene-d5
Concen: 91.34 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

Tot Ion: 82 Resp: 2113529

Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.6	52.0
54	49.9	39.5	59.3



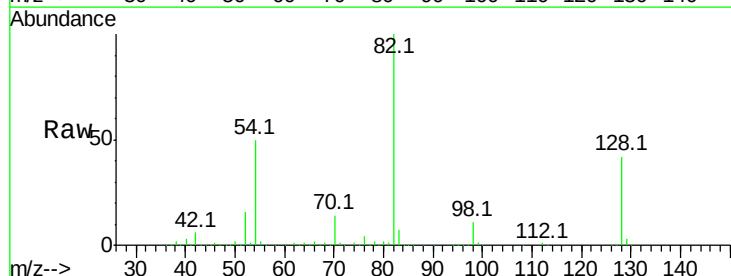
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0



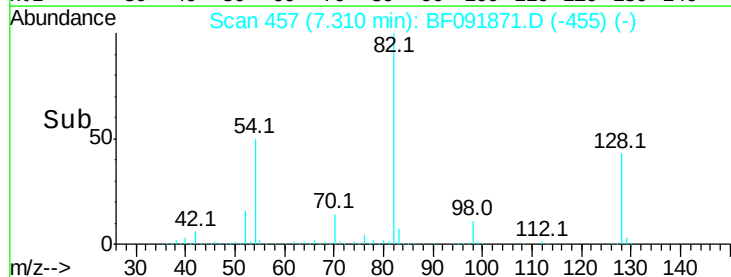
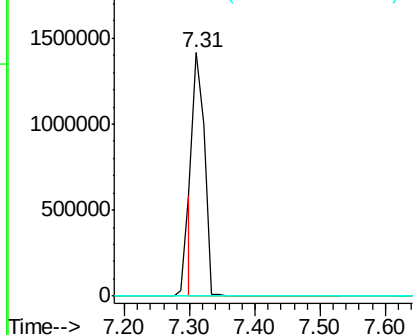
#25
Isophorone
Concen: 39.38 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.27 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

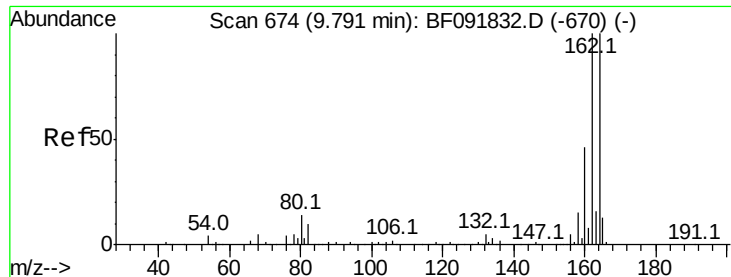
Tgt Ion: 82 Resp: 1681099

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



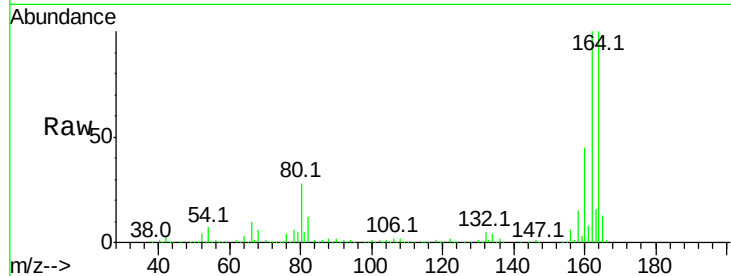
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



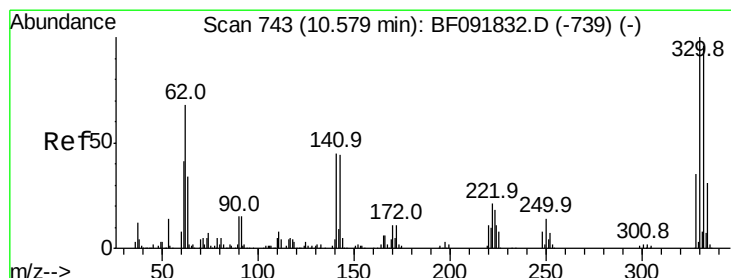
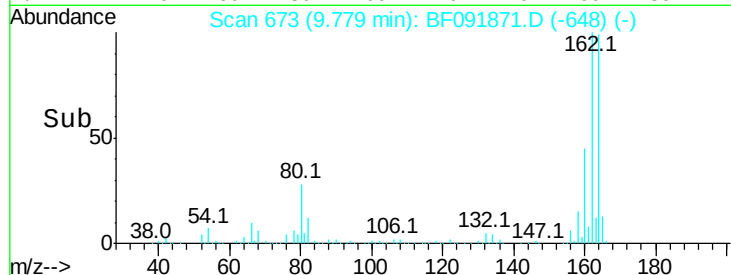
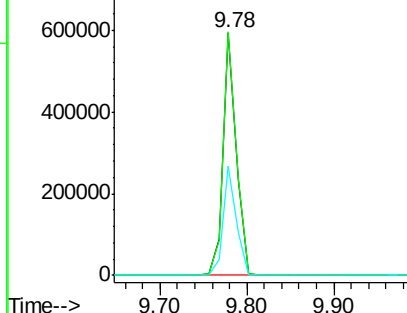


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

Tot Ion:164 Resp: 639013
Ion Ratio Lower Upper
164 100
162 100.2 80.2 120.2
160 45.2 36.9 55.3

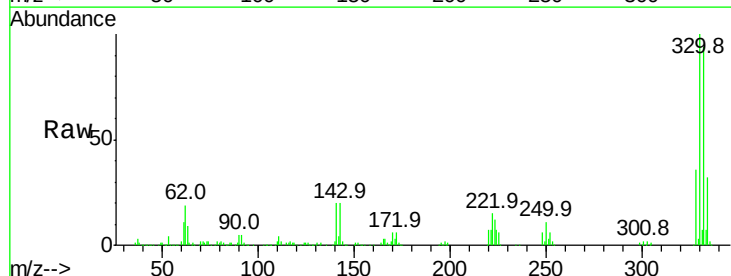


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

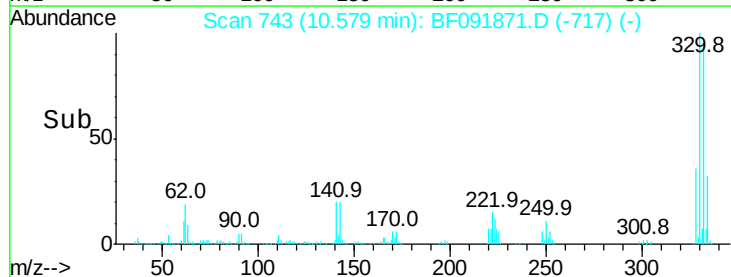
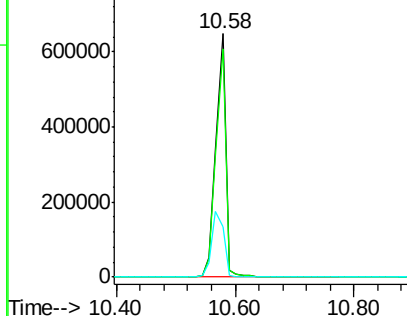


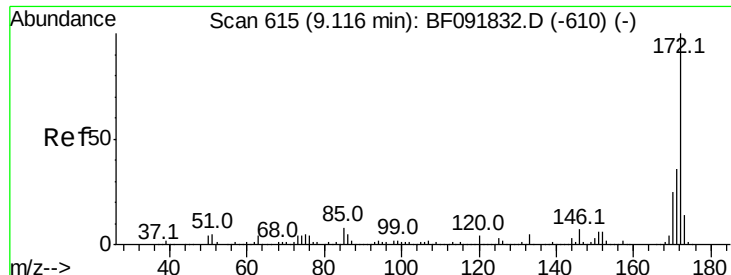
#41
2,4,6-Tribromophenol
Concen: 141.57 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

Tgt Ion:330 Resp: 748660
Ion Ratio Lower Upper
330 100
332 94.7 77.4 116.2
141 33.2 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

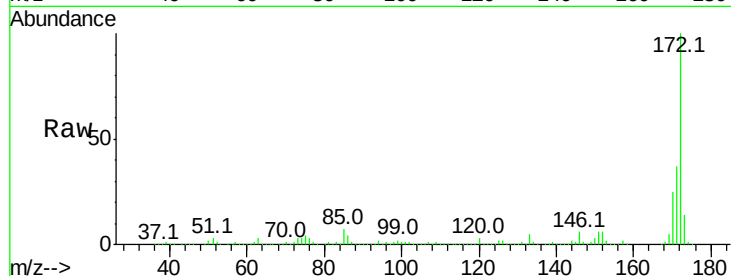




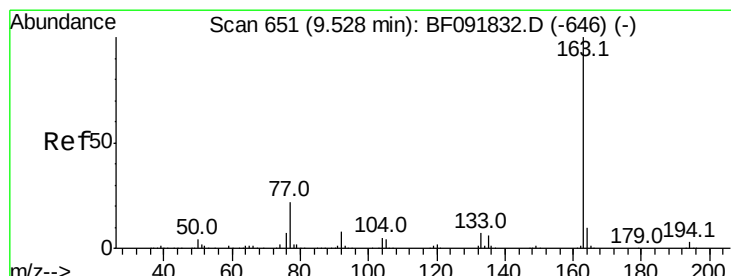
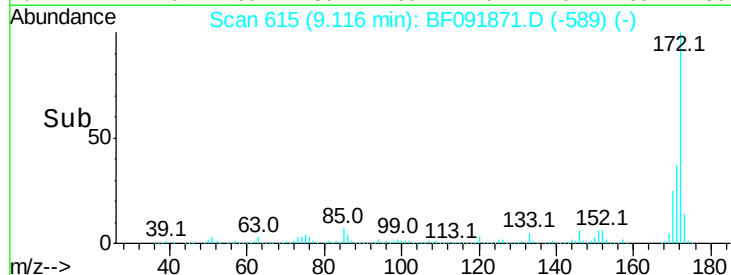
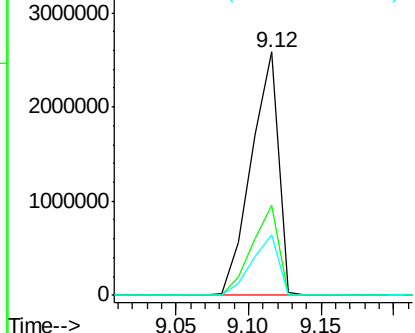
#44
2-Fluorobiphenyl
Concen: 112.29 ng
RT: 9.12 min Scan# 615
Delta R.T. -0.00 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

Tot Ion:172 Resp: 3372853

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	25.1	20.2	30.4



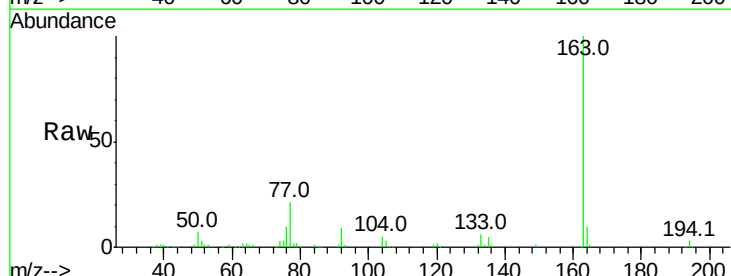
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



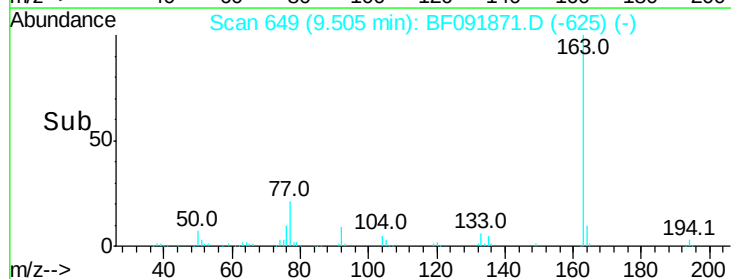
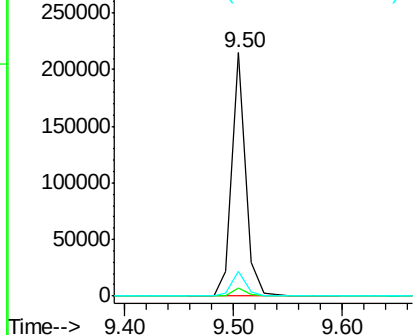
#49
Dimethylphthalate
Concen: 4.58 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.02 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

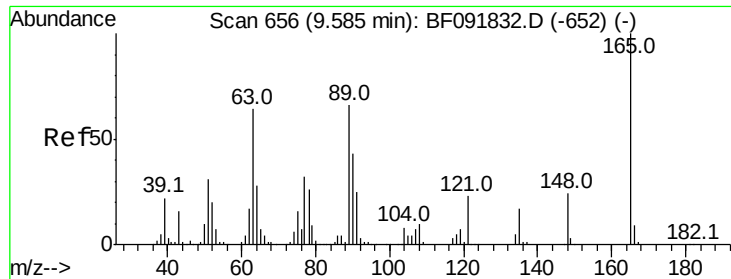
Tgt Ion:163 Resp: 187090

Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	10.0	8.0	12.0



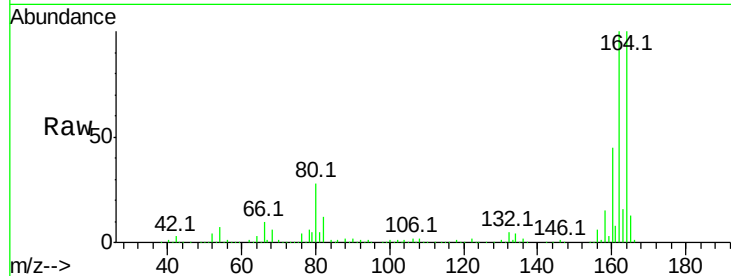
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50
2,6-Dinitrotoluene
Concen: 9.19 ng
RT: 9.78 min Scan# 673
Delta R.T. 0.19 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

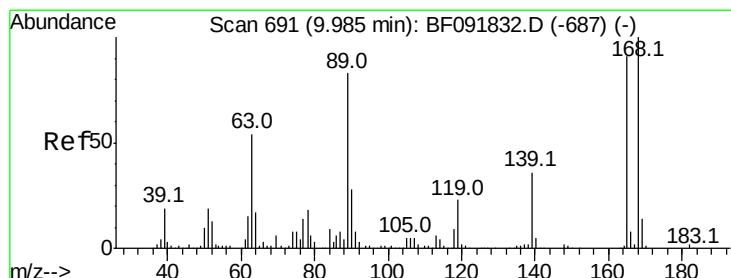
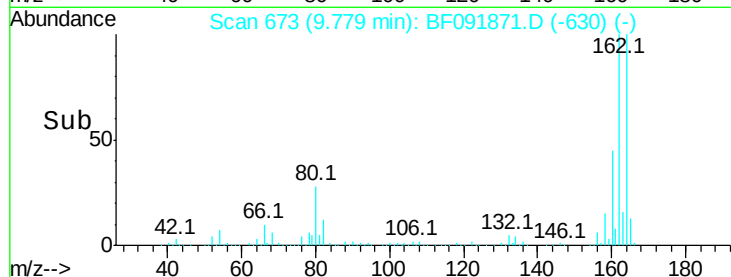
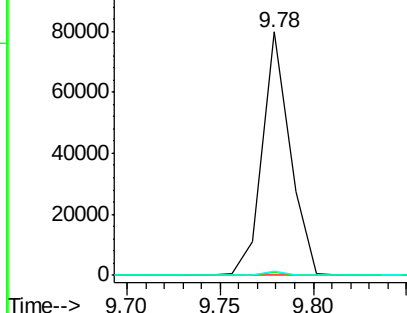
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.2	54.4#
89	1.6	40.2	60.4#



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: 7.32 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.21 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

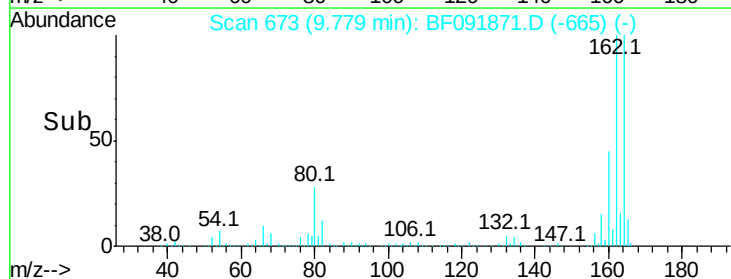
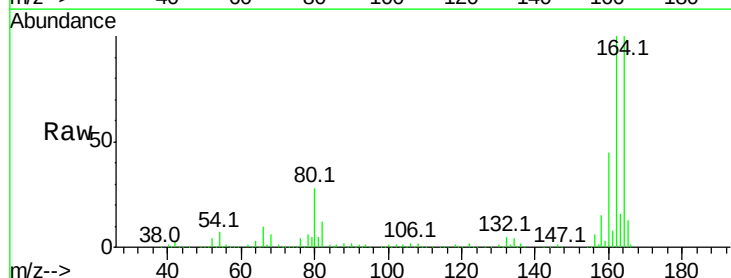
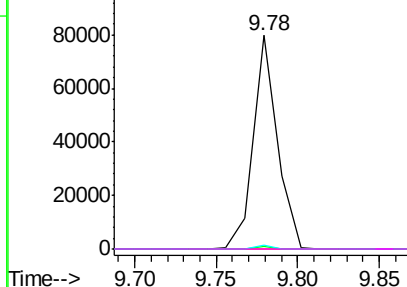
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.6	62.5	93.7#
182	0.0	1.8	2.8#

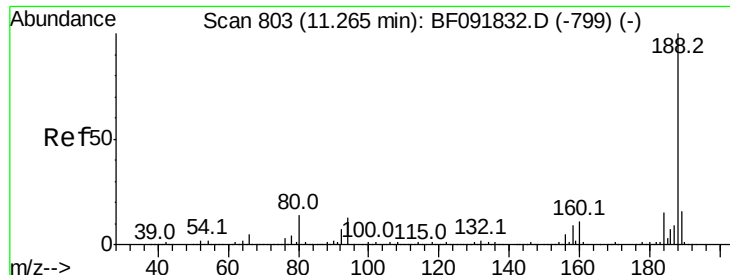
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

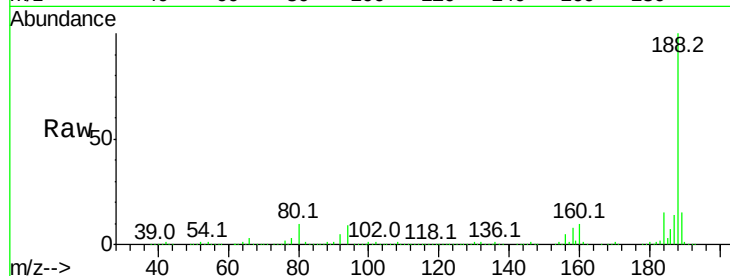
Ion 182.00 (181.70 to 182.70): E



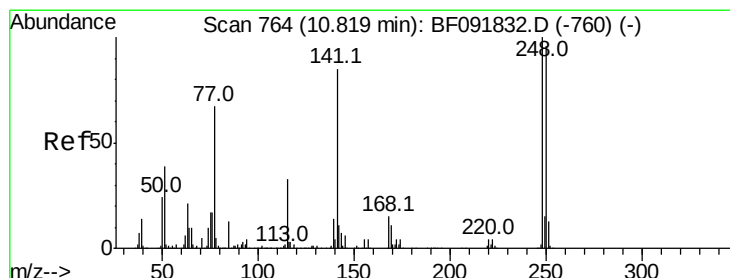
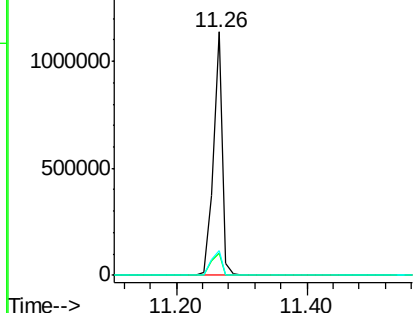
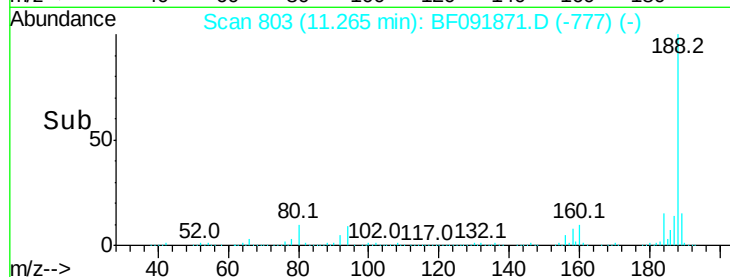


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091871.D
 Acq: 22 Dec 2016 8:28

Tot Ion:188 Resp: 1103860
 Ion Ratio Lower Upper
 188 100
 94 9.3 10.0 15.0#
 80 10.1 11.2 16.8#

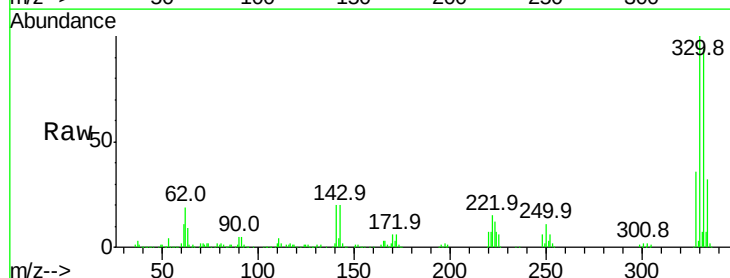


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

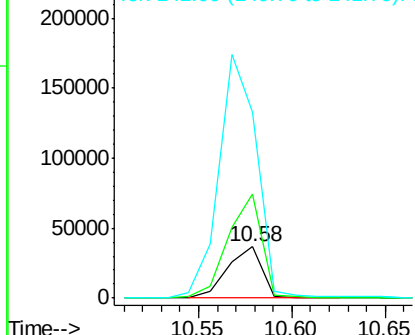
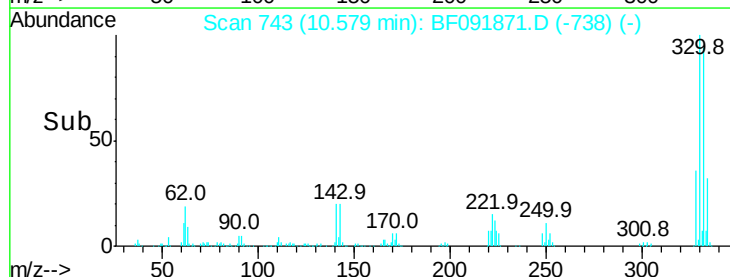


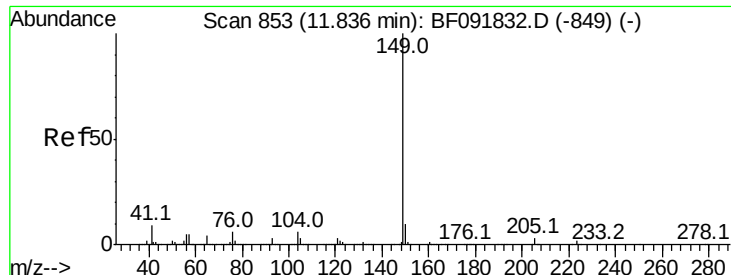
#66
 4-Bromophenyl-phenylether
 Concen: 4.11 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.24 min
 Lab File: BF091871.D
 Acq: 22 Dec 2016 8:28

Tgt Ion:248 Resp: 47178
 Ion Ratio Lower Upper
 248 100
 250 204.0 76.9 115.3#
 141 364.3 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: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

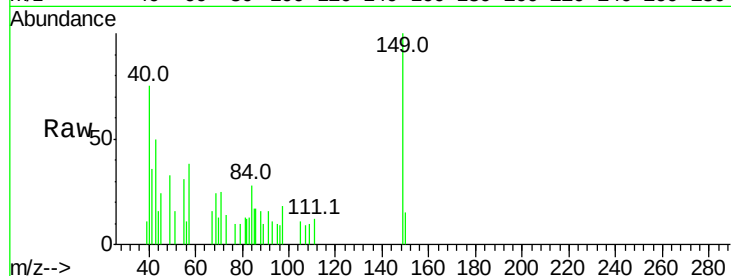
Tot Ion:149 Resp: 3144

Ion Ratio Lower Upper

149 100

150 15.3 8.1 12.1#

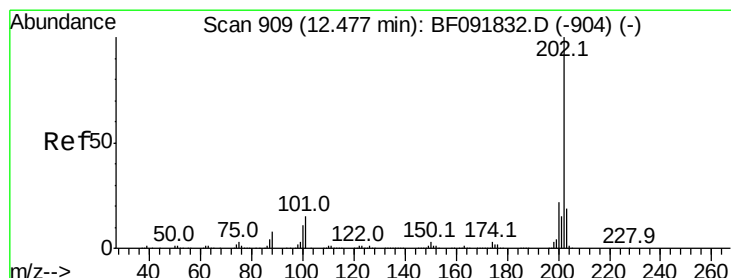
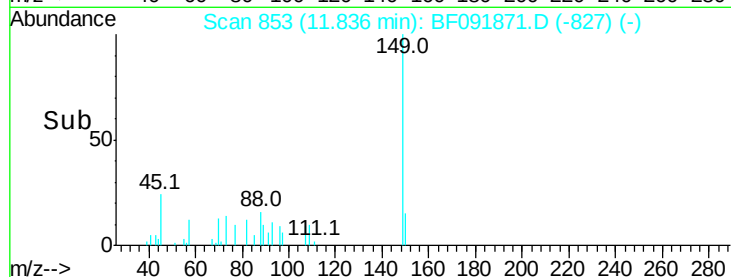
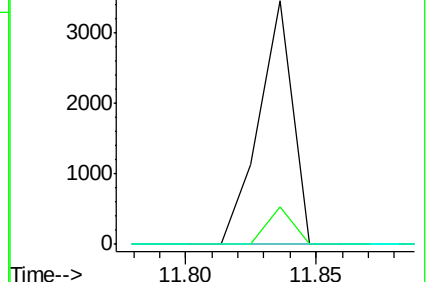
104 0.0 4.6 7.0#



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



#74

Fluoranthene

Concen: Below Cal

RT: 12.69 min Scan# 928

Delta R.T. 0.22 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

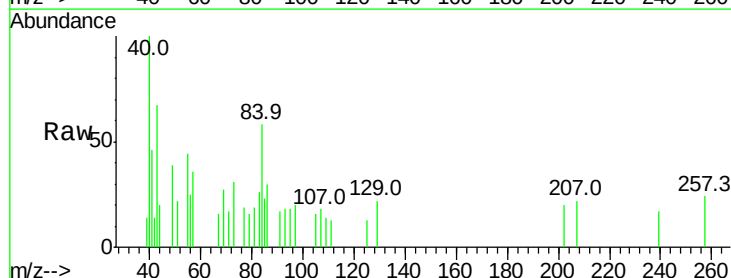
Tgt Ion:202 Resp: 535

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

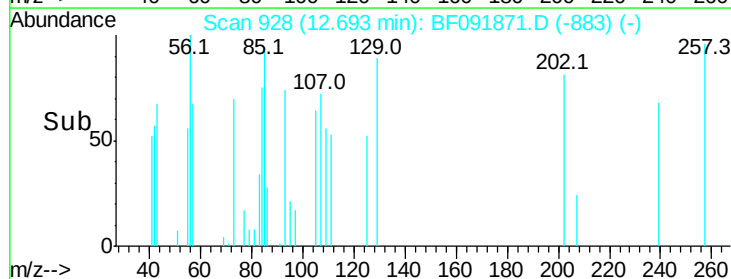
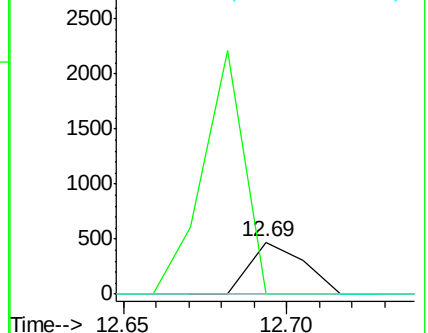
203 0.0 0.0 38.7

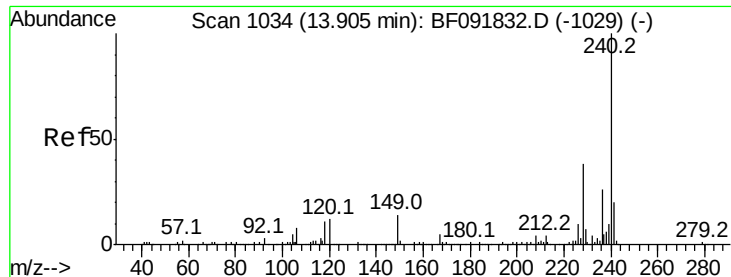


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

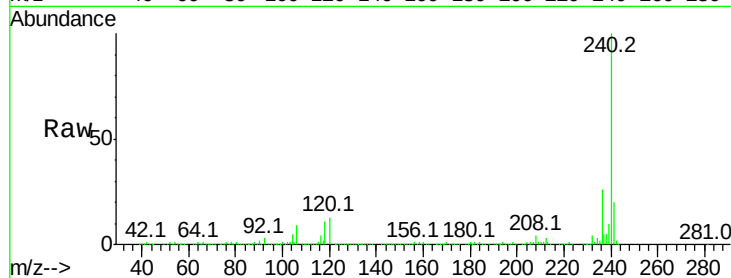
Delta R.T. -0.01 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

Tot Ion:240 Resp: 797138

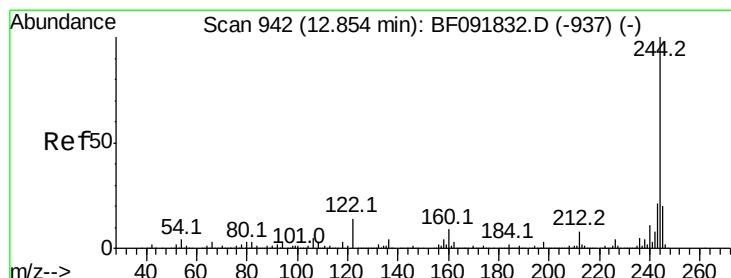
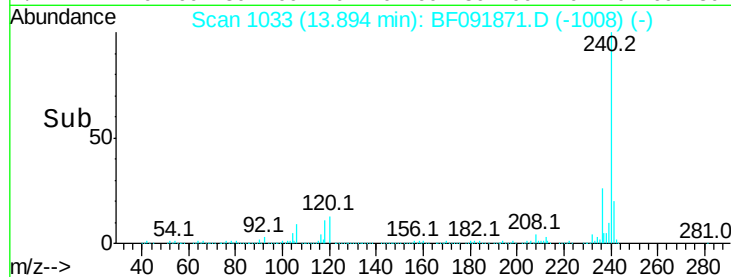
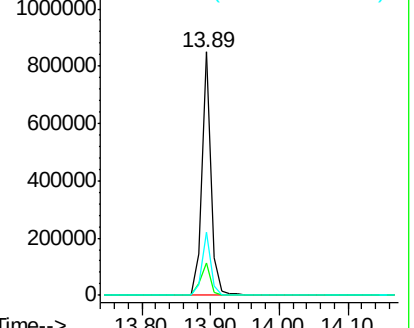
Ion	Ratio	Lower	Upper
240	100		
120	13.4	12.9	19.3
236	26.1	20.9	31.3



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



#78

Terphenyl-d14

Concen: 72.67 ng

RT: 12.85 min Scan# 942

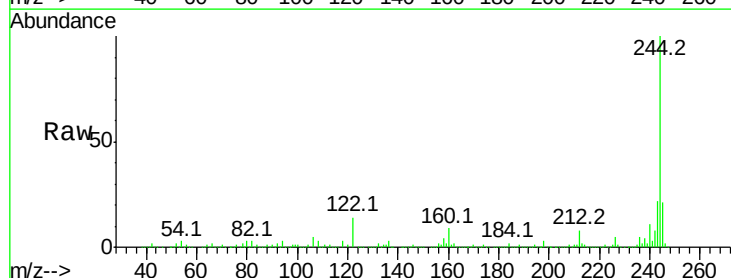
Delta R.T. -0.00 min

Lab File: BF091871.D

Acq: 22 Dec 2016 8:28

Tgt Ion:244 Resp: 2388657

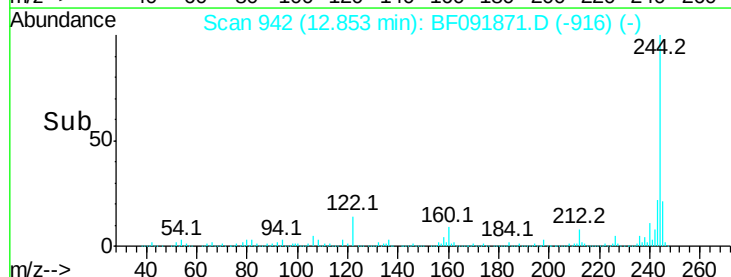
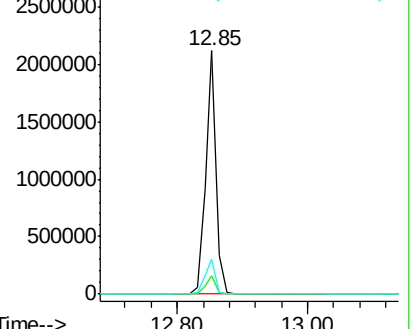
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.2
122	14.2	11.4	17.2

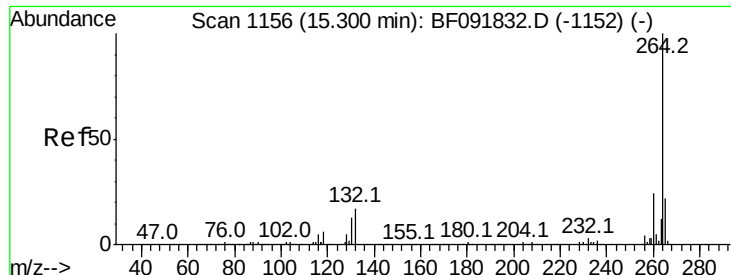


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

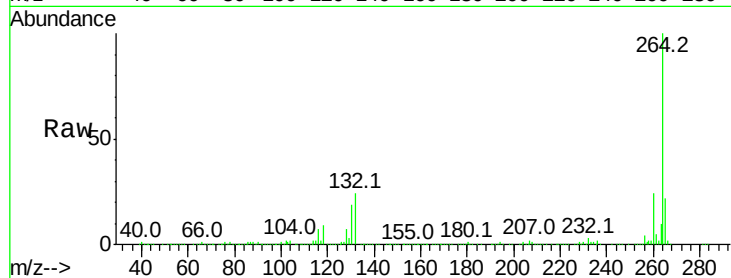
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091871.D
Acq: 22 Dec 2016 8:28

Tot Ion:	264	Resp:	694537
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

