

Data Path : Z:\HPCHEM1\BNA F\Data\BF122116\
 Data File : BF091869.D
 Acq On : 22 Dec 2016 7:33
 Operator : UM/SJ
 Sample : H6156-15
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 22 16:01:44 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	317346	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	1005733	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	631588	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1083963	20.00	ng	0.00
75) Chrysene-d12	13.89	240	787708	20.00	ng	-0.01
86) Perylene-d12	15.29	264	633180	20.00	ng	-0.01

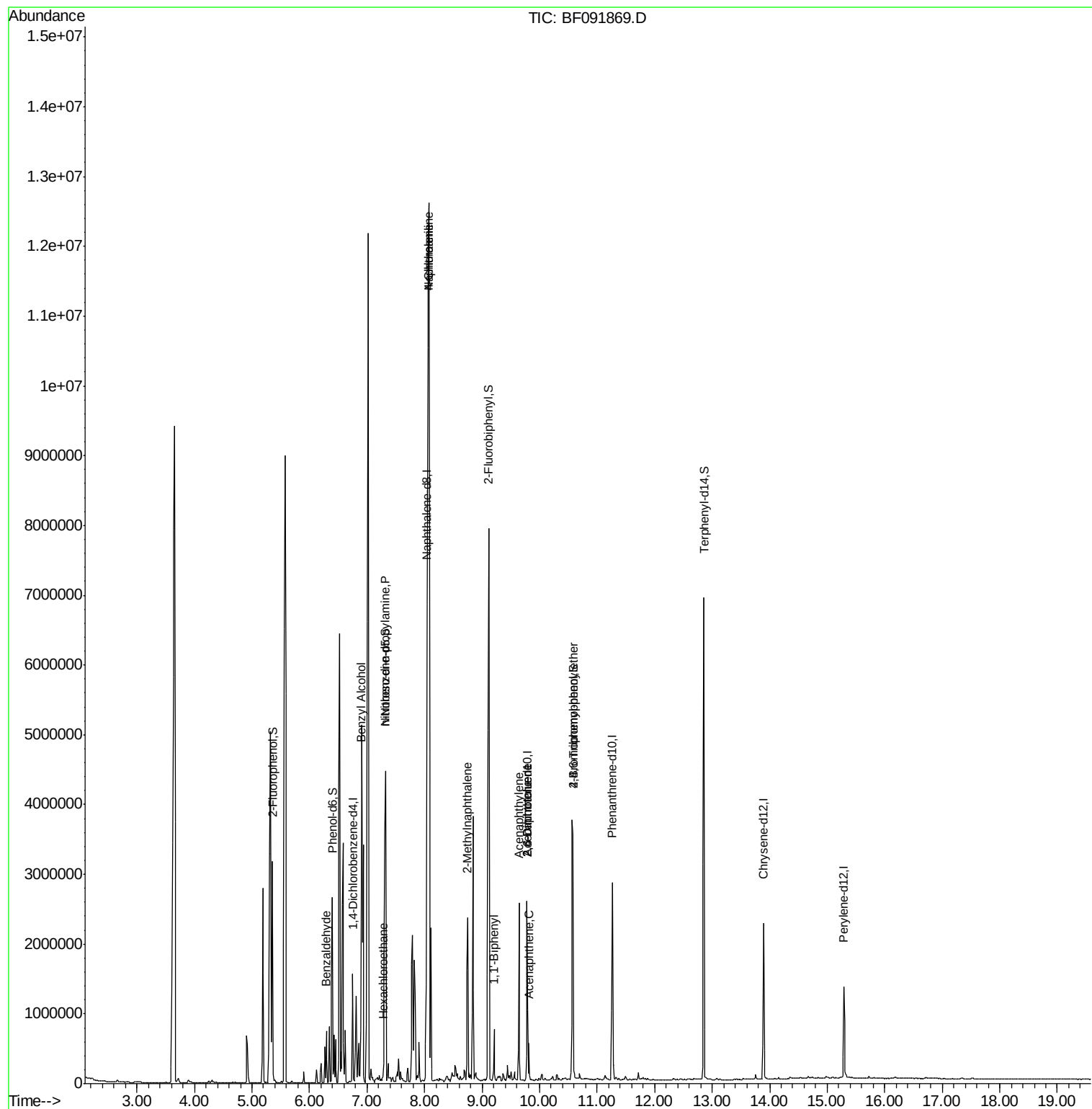
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1254914	66.03	ng	0.01
7) Phenol-d6	6.40	99	1105760	47.65	ng	-0.01
23) Nitrobenzene-d5	7.32	82	2301696	127.26	ng	0.00
41) 2,4,6-Tribromophenol	10.58	330	757364	144.90	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3313792	111.53	ng	0.00
78) Terphenyl-d14	12.85	244	2401425	73.94	ng	0.00

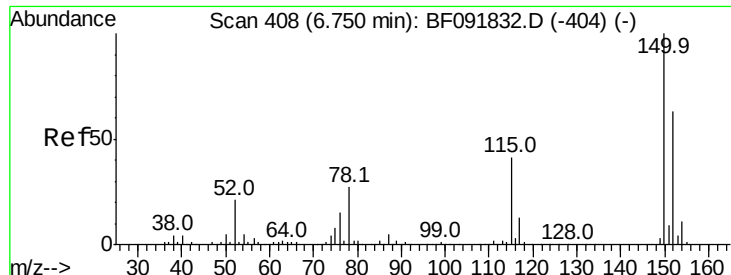
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.29	77	90745	5.06	ng	# 1
15) Benzyl Alcohol	6.90	79	41544	2.30	ng	# 48
18) Hexachloroethane	7.29	117	46169	5.30	ng	# 22
19) n-Nitroso-di-n-propylamine	7.32	70	305736	19.80	ng	# 70
31) Naphthalene	8.08	128	14277878	310.19	ng	# 93
33) 4-Chloroaniline	8.08	127	2219605	106.94	ng	# 33
37) 2-Methylnaphthalene	8.75	142	893724	28.16	ng	97
45) 1,1'-Biphenyl	9.21	154	238267	5.51	ng	96
48) Acenaphthylene	9.64	152	1042782	19.80	ng	99
50) 2,6-Dinitrotoluene	9.78	165	85135	9.63	ng	# 31
51) Acenaphthene	9.81	154	111732	3.13	ng	100
56) 2,4-Dinitrotoluene	9.78	165	85135	7.67	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	48463	4.30	ng	# 1
71) Anthracene	11.33	178	13085	Below	Cal	98
73) Di-n-butylphthalate	11.84	149	6969	Below	Cal	# 95
74) Fluoranthene	12.48	202	2798	Below	Cal	72

(#) = 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: BF091869.D

Acq: 22 Dec 2016 7:33

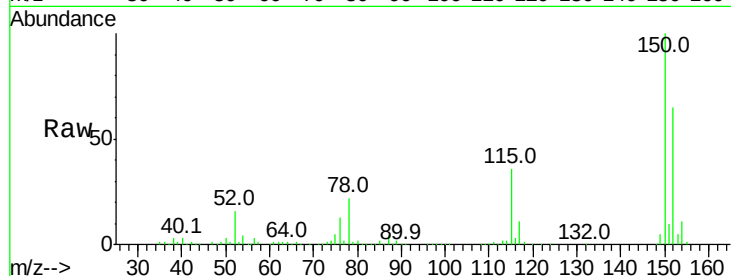
Tot Ion:152 Resp: 317346

Ion Ratio Lower Upper

152 100

150 152.7 124.9 187.3

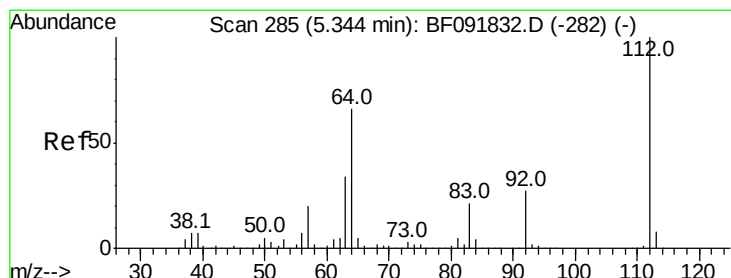
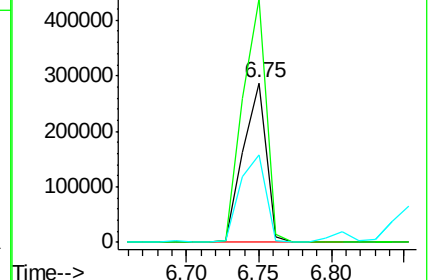
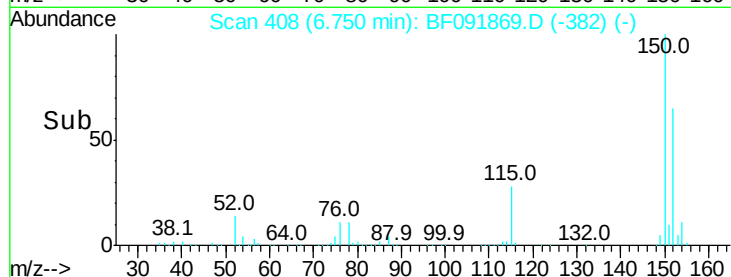
115 55.2 46.0 69.0



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: 66.03 ng

RT: 5.36 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

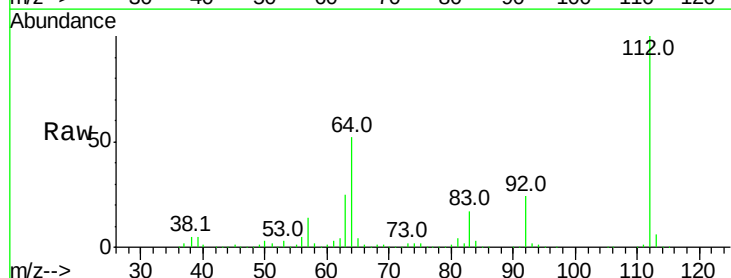
Tgt Ion:112 Resp: 1254914

Ion Ratio Lower Upper

112 100

64 52.0 46.1 69.1

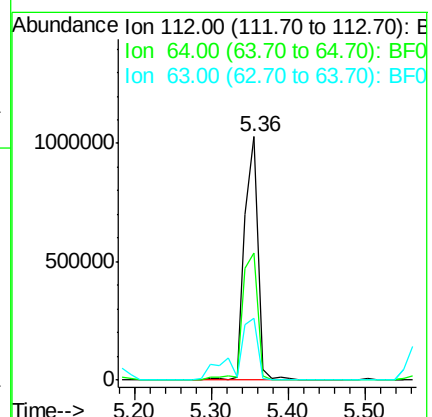
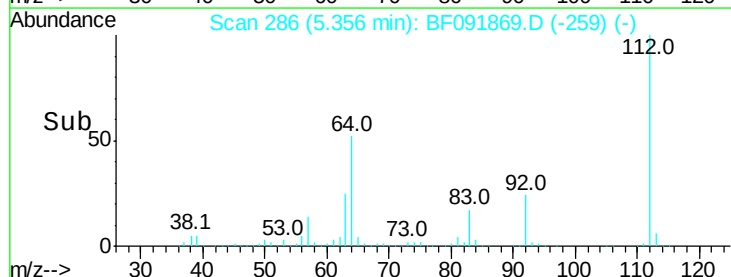
63 25.5 23.8 35.6

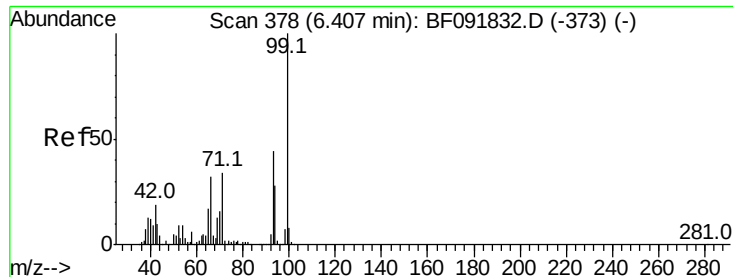


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 47.65 ng

RT: 6.40 min Scan# 377

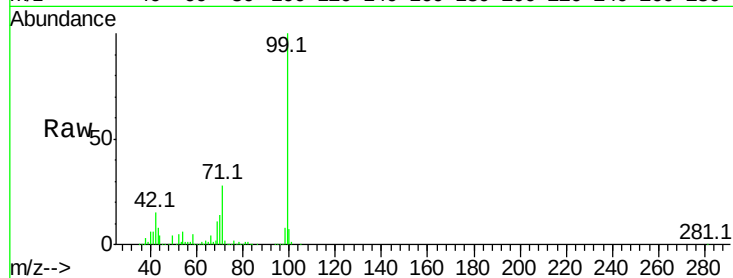
Delta R.T. -0.01 min

Lab File: BF091869.D

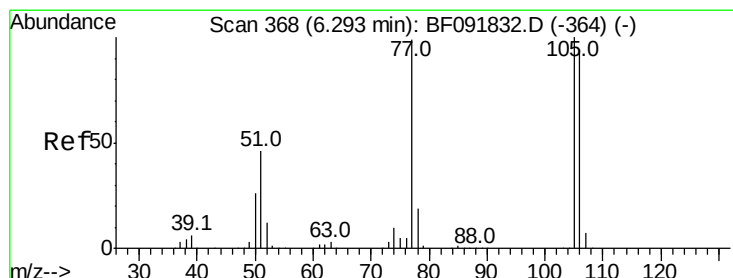
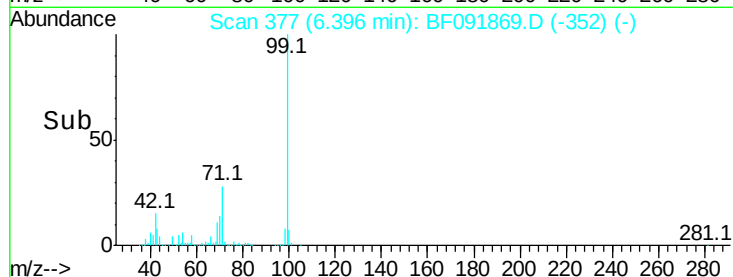
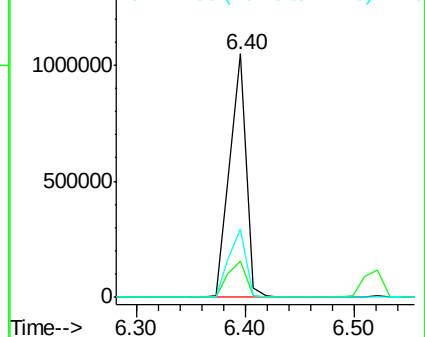
Acq: 22 Dec 2016 7:33

Tot Ion: 99 Resp: 1105760

Ion	Ratio	Lower	Upper
99	100		
42	14.8	15.6	23.4#
71	28.2	27.5	41.3



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: 5.06 ng

RT: 6.29 min Scan# 368

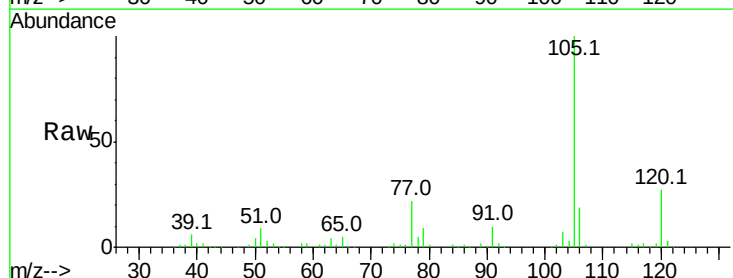
Delta R.T. -0.00 min

Lab File: BF091869.D

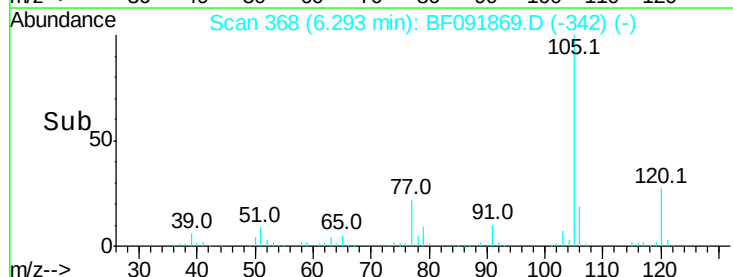
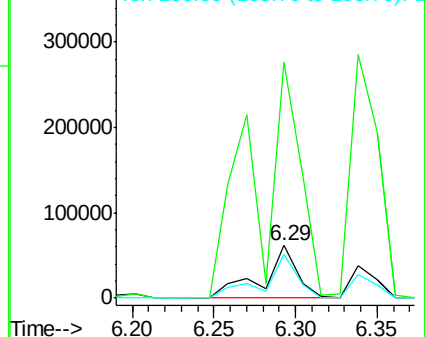
Acq: 22 Dec 2016 7:33

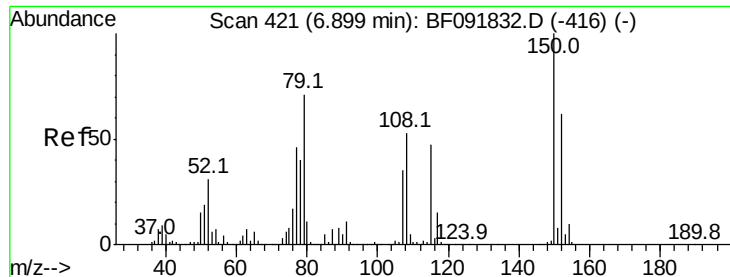
Tgt Ion: 77 Resp: 90745

Ion	Ratio	Lower	Upper
77	100		
105	449.1	83.9	123.9#
106	84.1	77.6	117.6



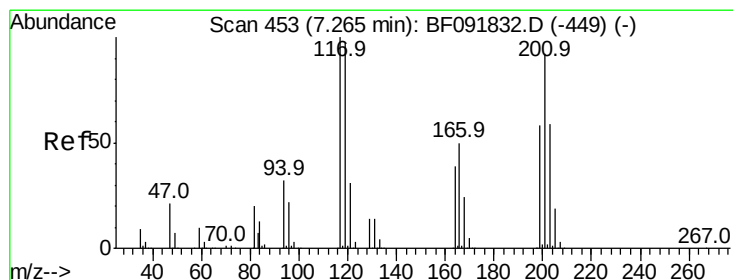
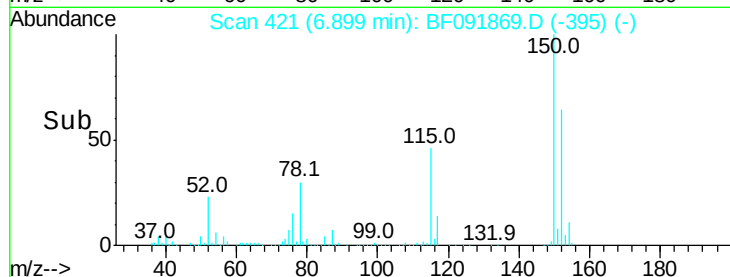
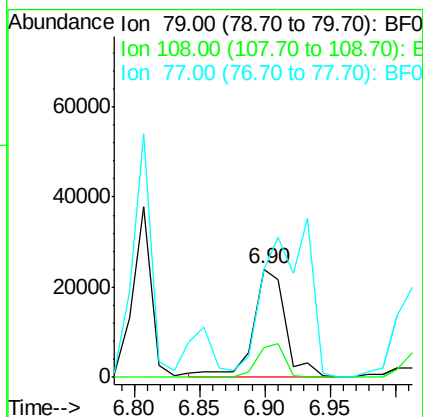
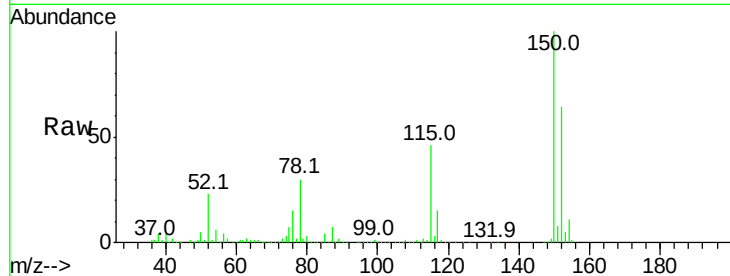
Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





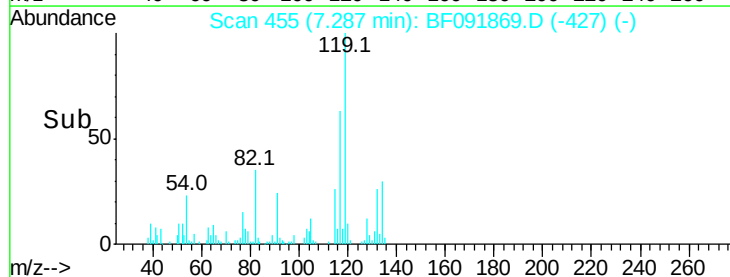
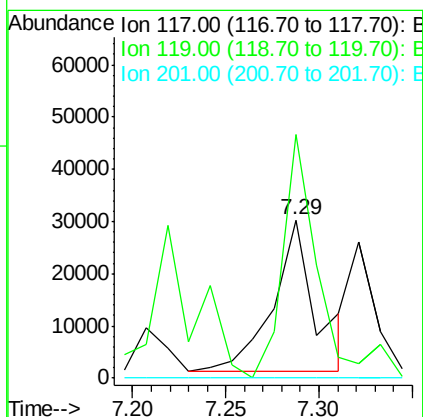
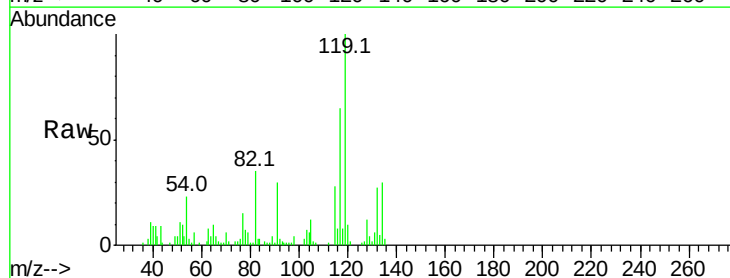
#15
Benzyl Alcohol
Concen: 2.30 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

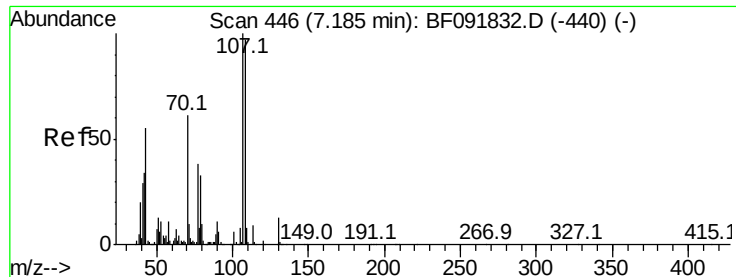
Tot Ion: 79 Resp: 41544
Ion Ratio Lower Upper
79 100
108 27.3 61.4 92.0#
77 99.6 50.9 76.3#



#18
Hexachloroethane
Concen: 5.30 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.02 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Tgt Ion: 117 Resp: 46169
Ion Ratio Lower Upper
117 100
119 153.7 78.1 117.1#
201 0.0 78.6 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 19.80 ng

RT: 7.32 min Scan# 458

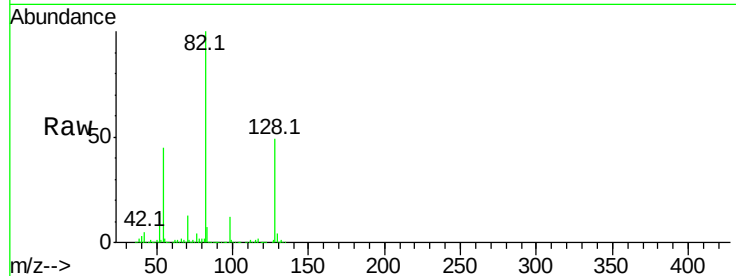
Delta R.T. 0.14 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Tot Ion: 70 Resp: 305736

Ion	Ratio	Lower	Upper
70	100		
42	39.5	49.4	74.0#
101	0.0	7.4	11.2#
130	2.5	14.2	21.4#

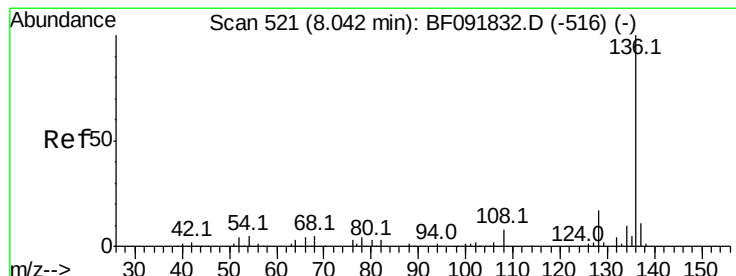
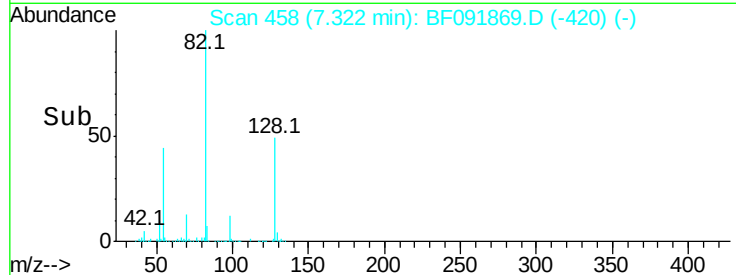
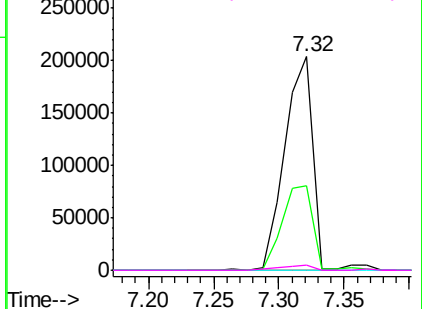


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.04 min Scan# 521

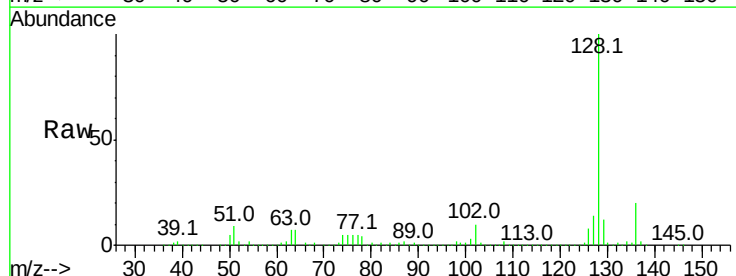
Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Tgt Ion: 136 Resp: 1005733

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.9	4.5	6.7#
68	6.7	3.6	5.4#

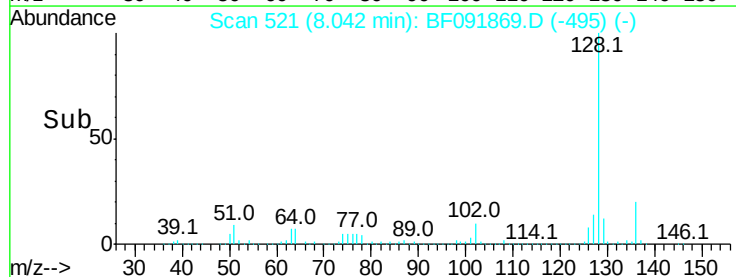
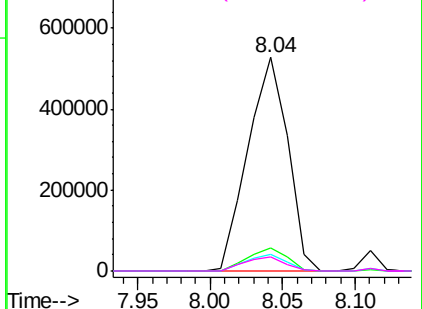


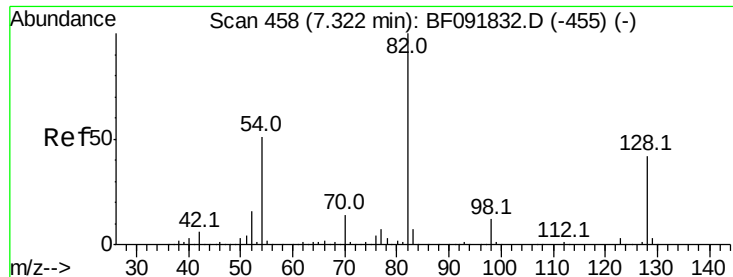
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 127.26 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

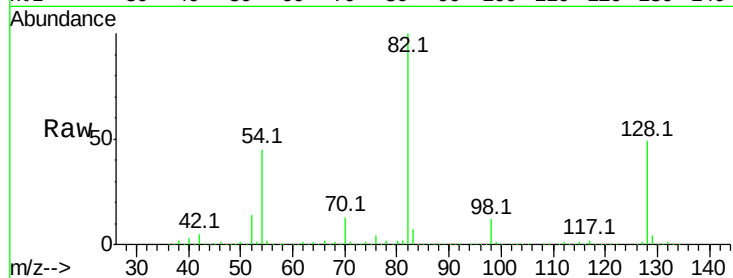
Tot Ion: 82 Resp: 2301696

Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.6	52.0
54	44.6	39.5	59.3

82 100

128 49.0 34.6 52.0

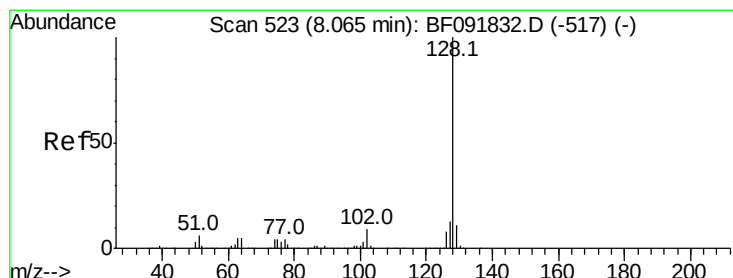
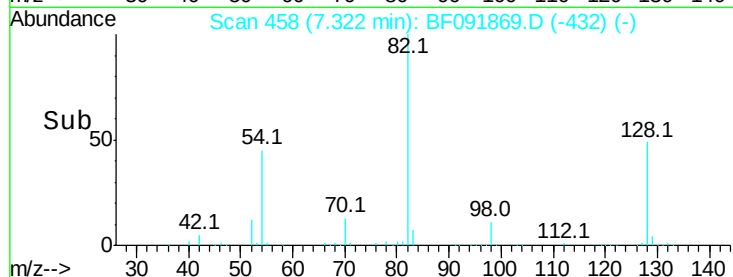
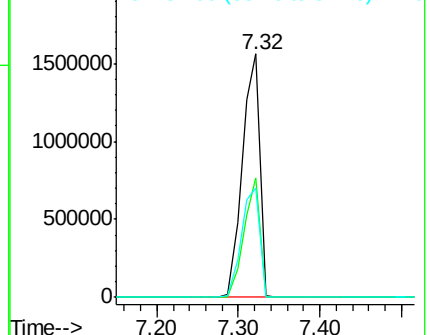
54 44.6 39.5 59.3



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



#31

Naphthalene

Concen: 310.19 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

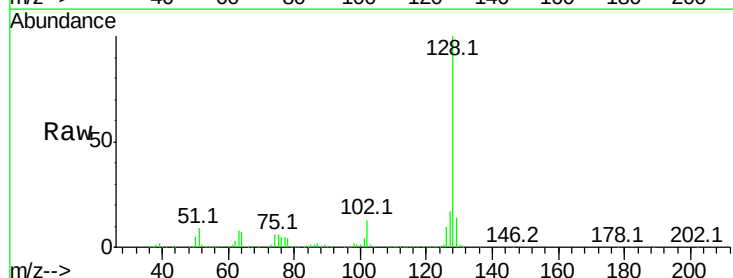
Tgt Ion:128 Resp:14277878

Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.5	14.3
127	16.7	10.8	16.2#

128 100

129 14.0 9.5 14.3

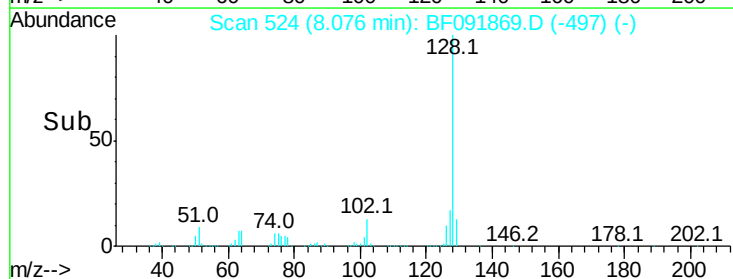
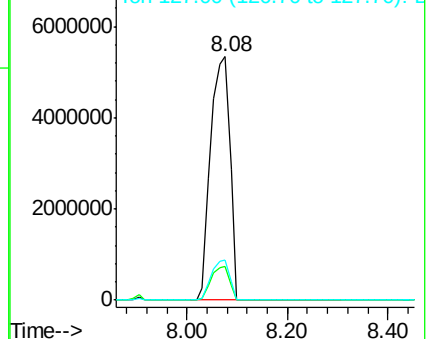
127 16.7 10.8 16.2#

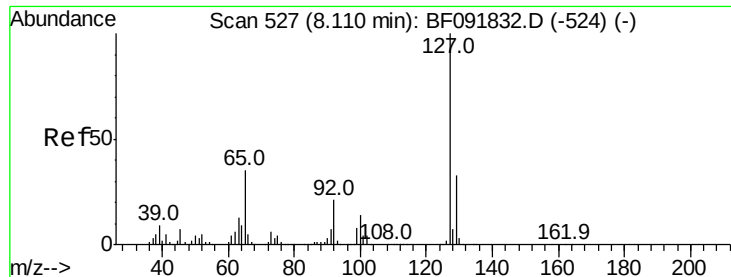


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

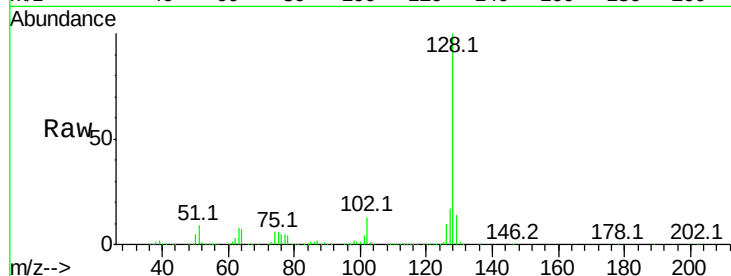
Ion 127.00 (126.70 to 127.70): E



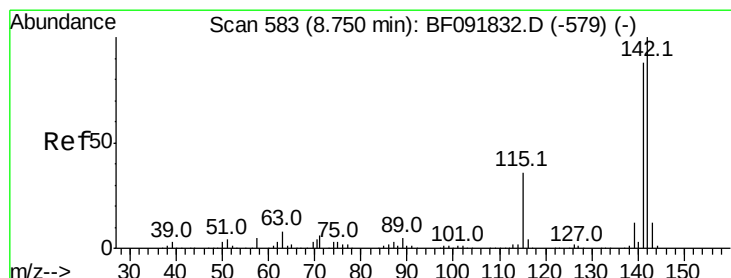
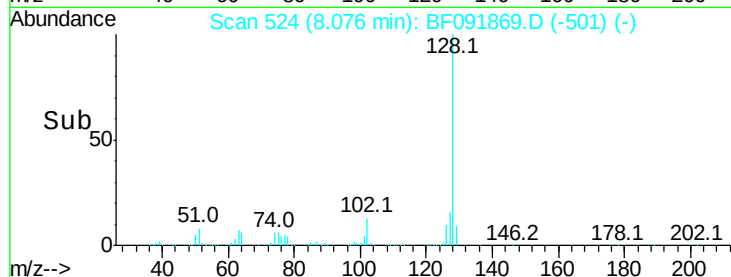
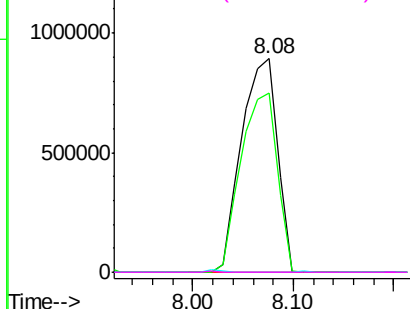


#33
4-Chloroaniline
Concen: 106.94 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Tot Ion:	127	Resp:	2219605
Ion	Ratio	Lower	Upper
127	100		
129	83.8	26.3	39.5#
65	0.0	25.8	38.8#
92	0.0	16.1	24.1#

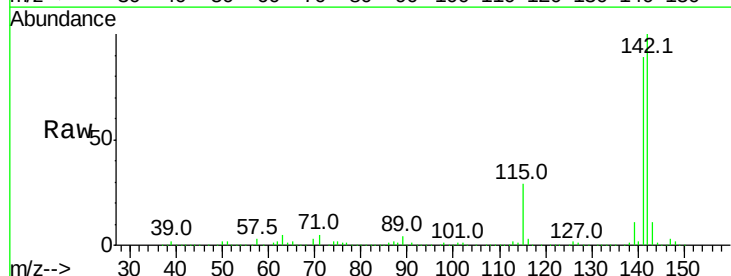


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

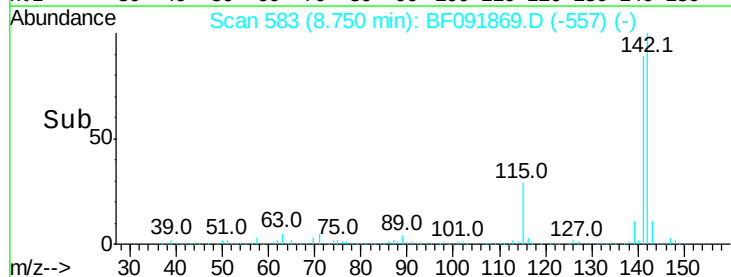
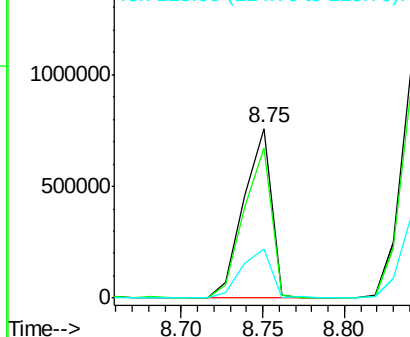


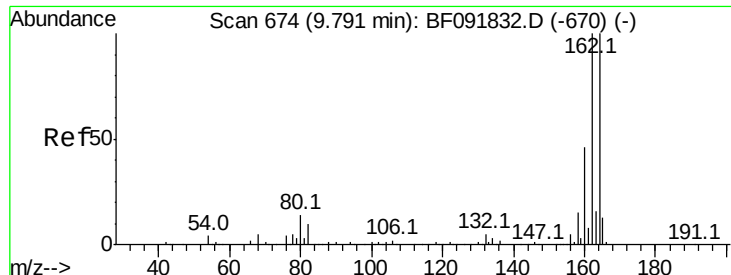
#37
2-Methylnaphthalene
Concen: 28.16 ng
RT: 8.75 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Tgt Ion:	142	Resp:	893724
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6
115	29.1	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

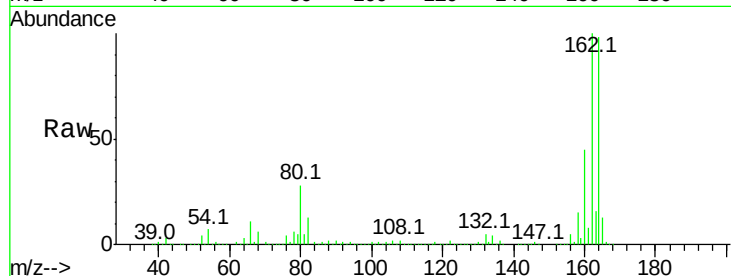
Tot Ion:164 Resp: 631588

Ion Ratio Lower Upper

164 100

162 102.4 80.2 120.2

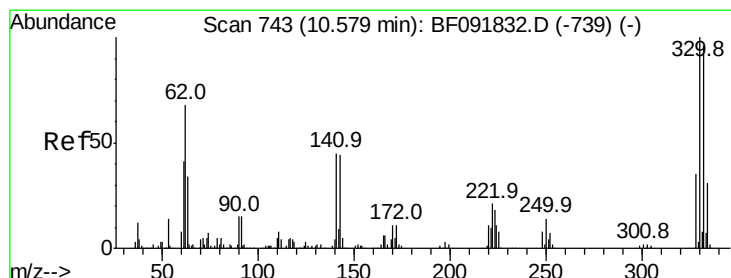
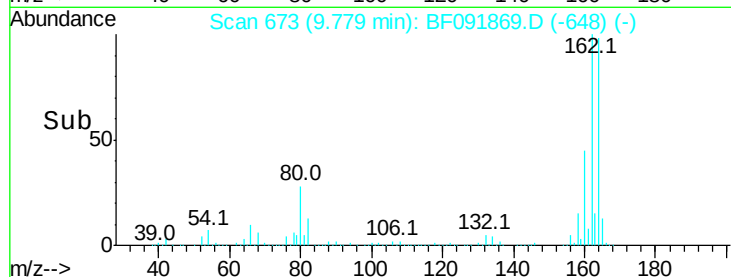
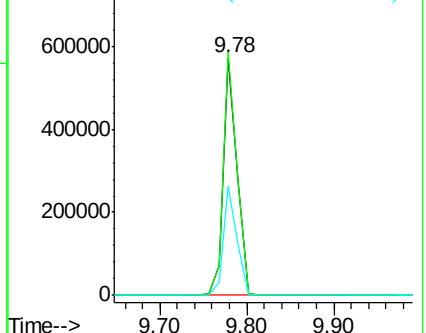
160 46.0 36.9 55.3



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: 144.90 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

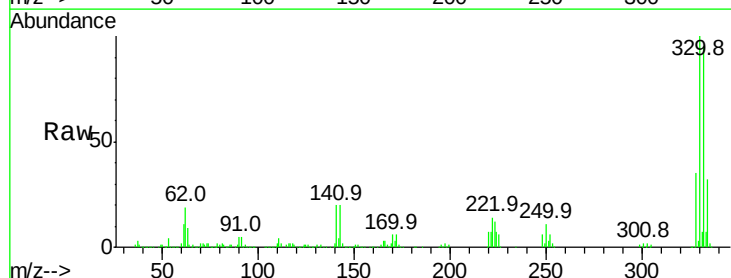
Tgt Ion:330 Resp: 757364

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.2

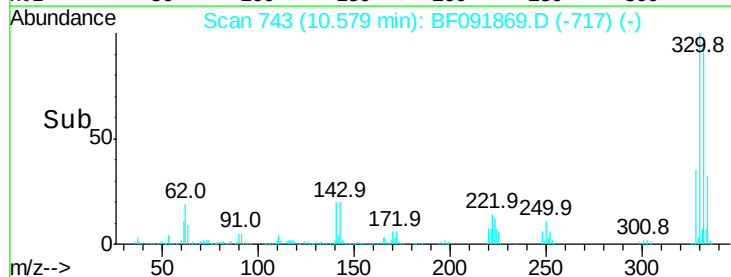
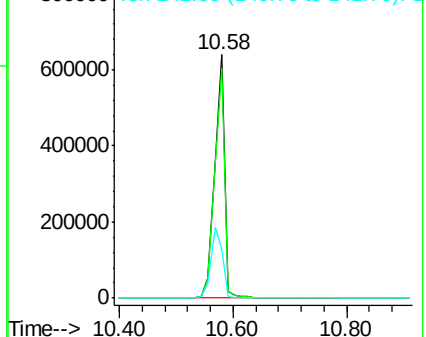
141 33.5 34.1 51.1#

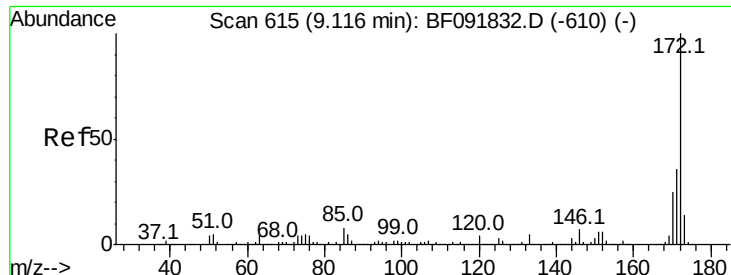


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

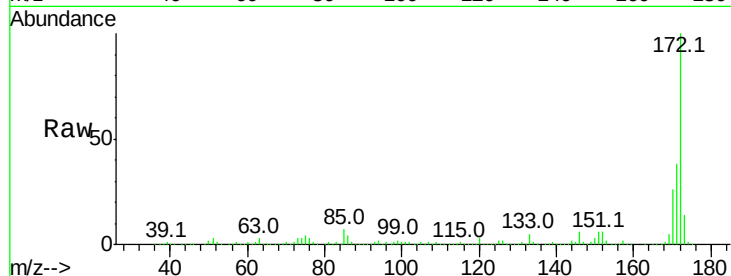




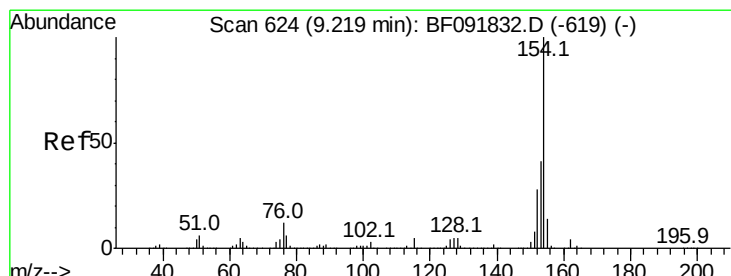
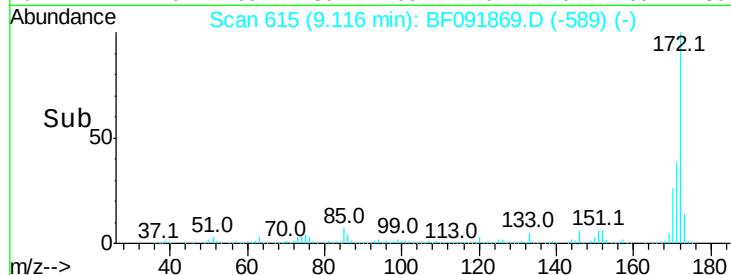
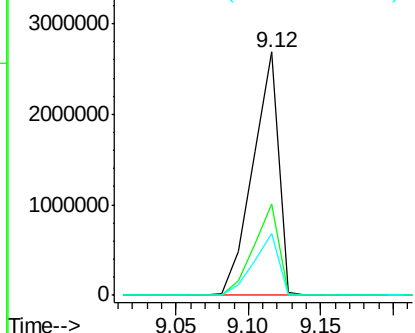
#44
2-Fluorobiphenyl
Concen: 111.53 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

Tot Ion:172 Resp: 3313792

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.4	44.0
170	25.5	20.2	30.4



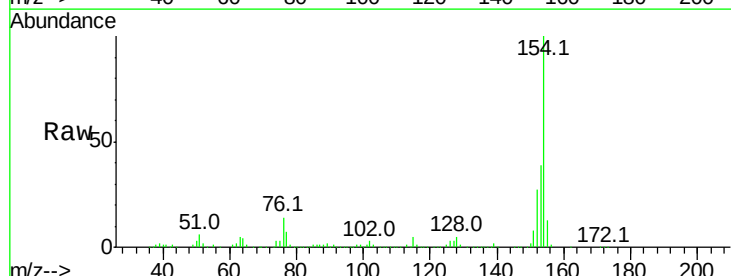
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



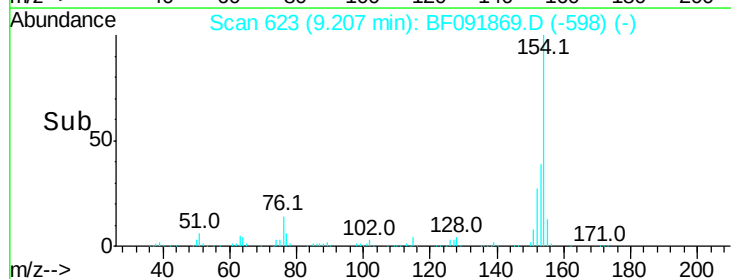
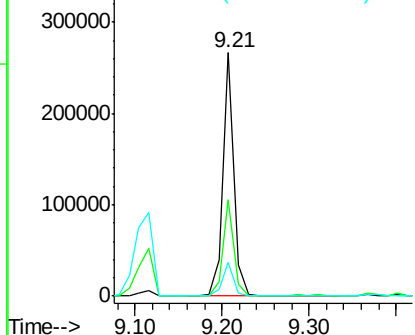
#45
1,1'-Biphenyl
Concen: 5.51 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF091869.D
Acq: 22 Dec 2016 7:33

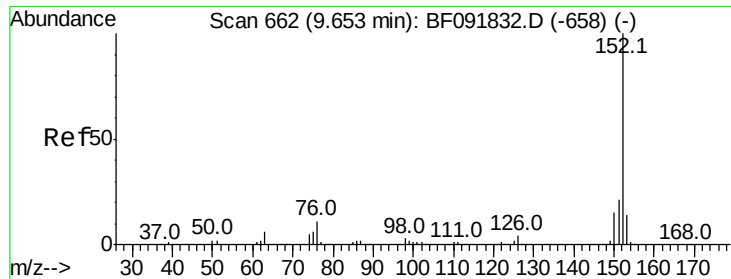
Tgt Ion:154 Resp: 238267

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.9	60.9
76	14.1	0.0	30.5



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





#48

Acenaphthylene

Concen: 19.80 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

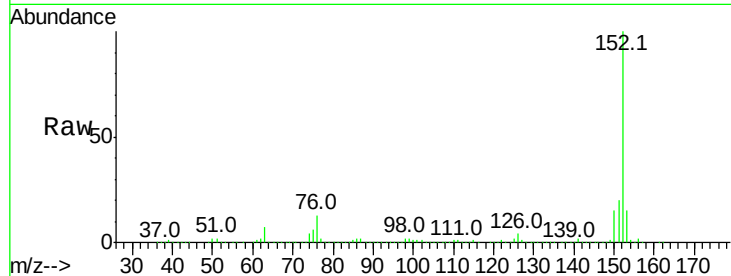
Tot Ion:152 Resp: 1042782

Ion Ratio Lower Upper

152 100

151 20.3 16.9 25.3

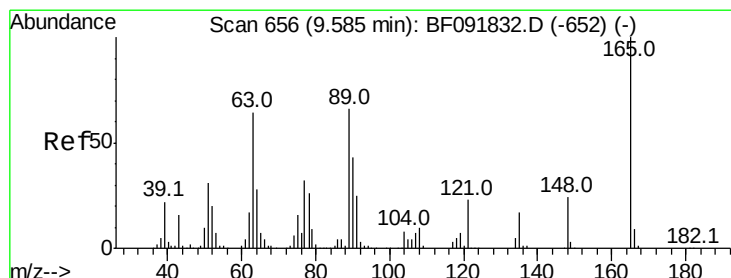
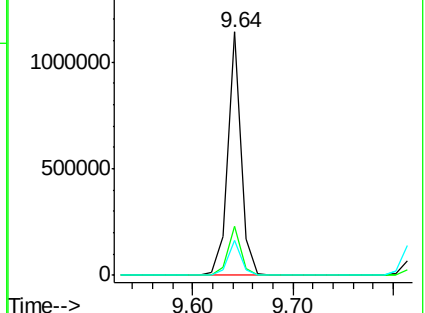
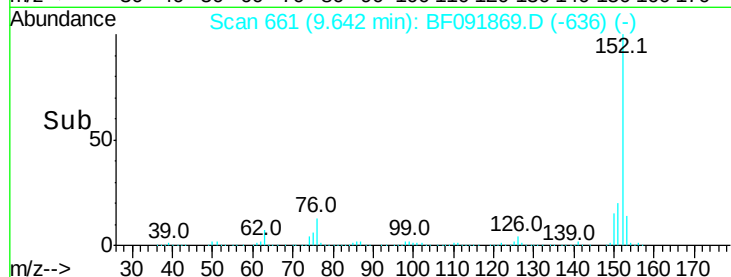
153 14.5 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.63 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

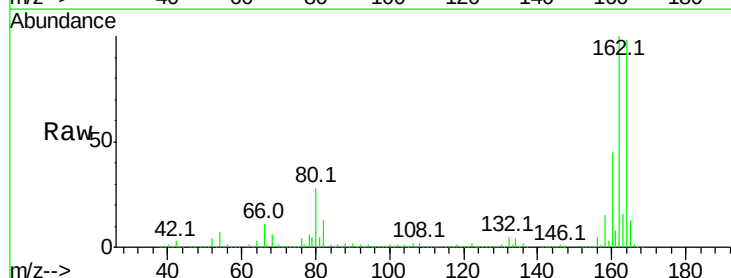
Tgt Ion:165 Resp: 85135

Ion Ratio Lower Upper

165 100

63 1.2 36.2 54.4#

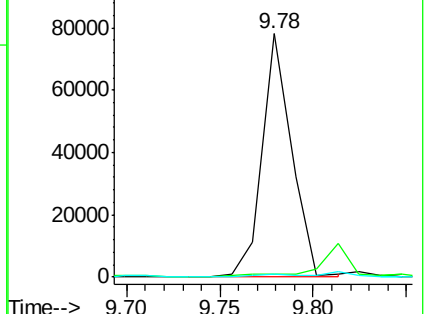
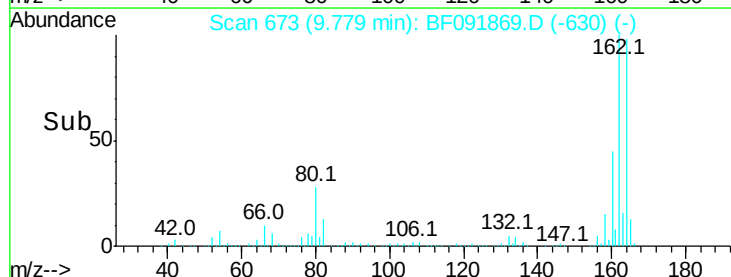
89 1.3 40.2 60.4#

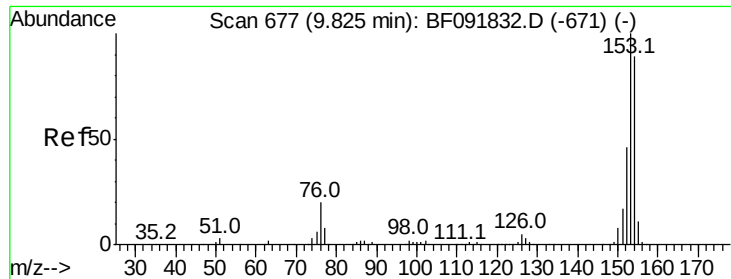


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 3.13 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

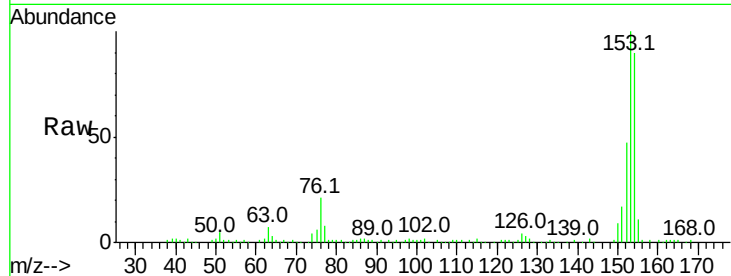
Tot Ion:154 Resp: 111732

Ion Ratio Lower Upper

154 100

153 111.1 88.6 133.0

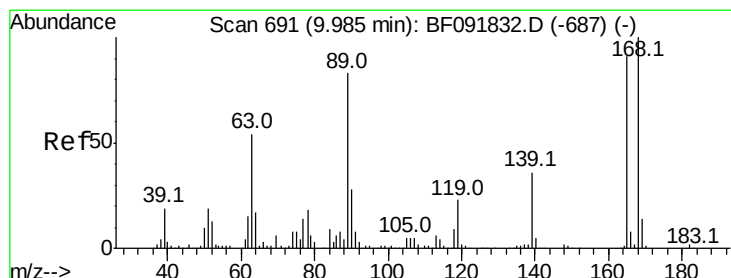
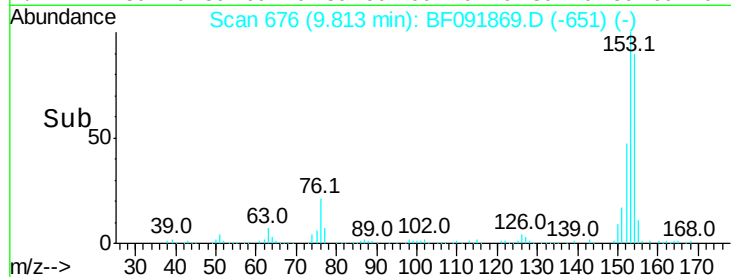
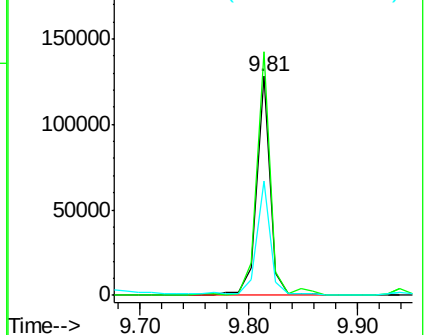
152 52.0 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 7.67 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.21 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

Tgt Ion:165 Resp: 85135

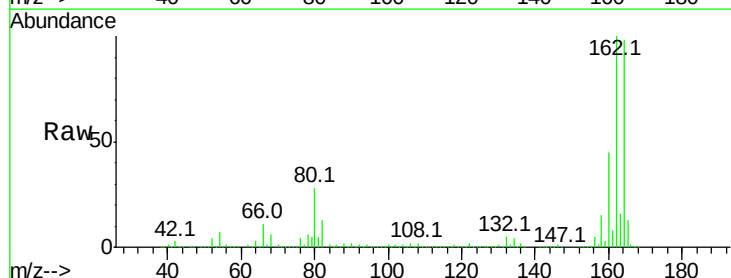
Ion Ratio Lower Upper

165 100

63 1.2 40.2 60.4#

89 1.3 62.5 93.7#

182 0.0 1.8 2.8#

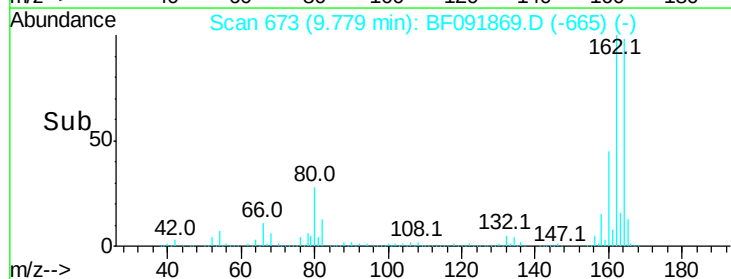
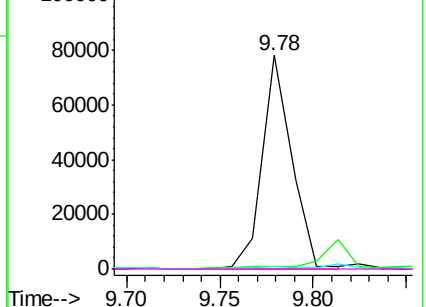


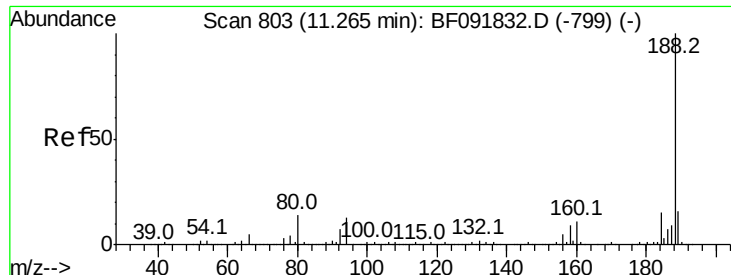
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

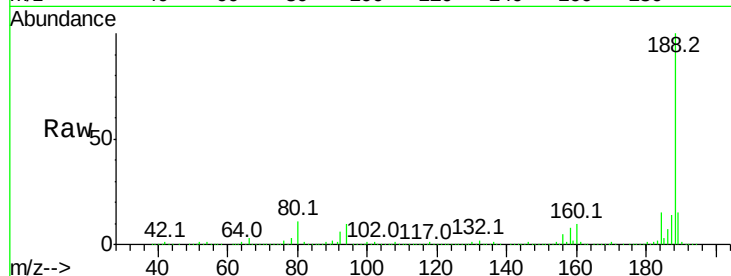
Ion 182.00 (181.70 to 182.70): E



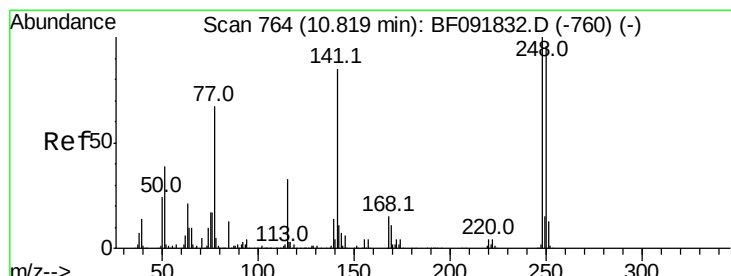
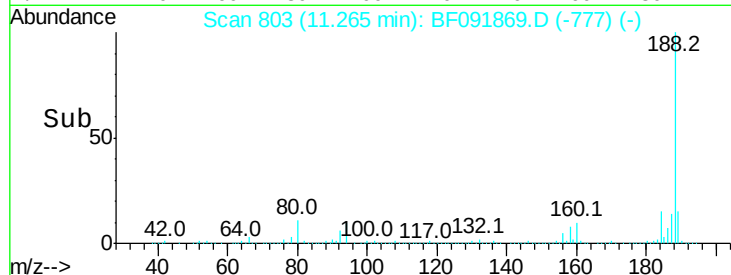
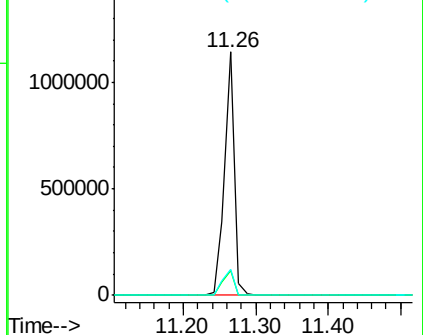


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF091869.D
 Acq: 22 Dec 2016 7:33

Tot Ion:188 Resp: 1083963
 Ion Ratio Lower Upper
 188 100
 94 10.1 10.0 15.0
 80 10.7 11.2 16.8#

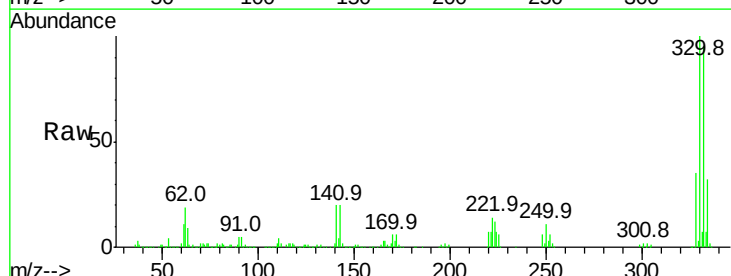


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

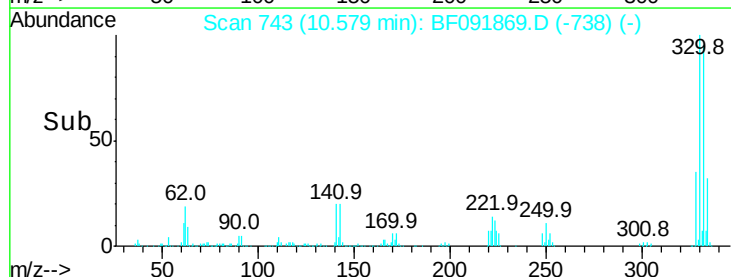
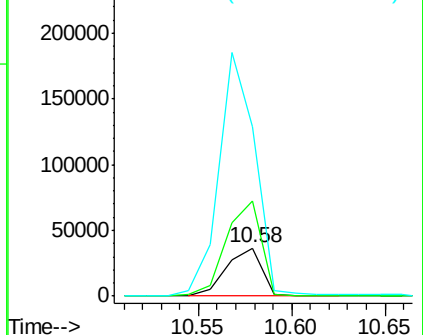


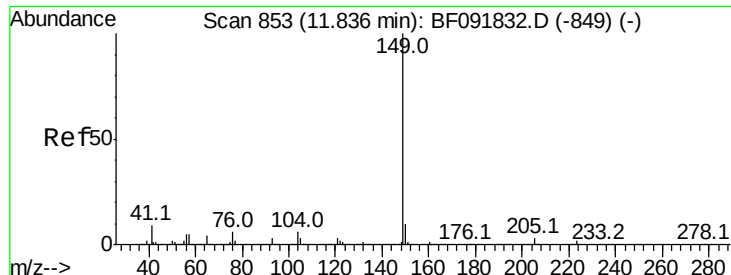
#66
 4-Bromophenyl-phenylether
 Concen: 4.30 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.24 min
 Lab File: BF091869.D
 Acq: 22 Dec 2016 7:33

Tgt Ion:248 Resp: 48463
 Ion Ratio Lower Upper
 248 100
 250 197.6 76.9 115.3#
 141 352.0 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: BF091869.D

Acq: 22 Dec 2016 7:33

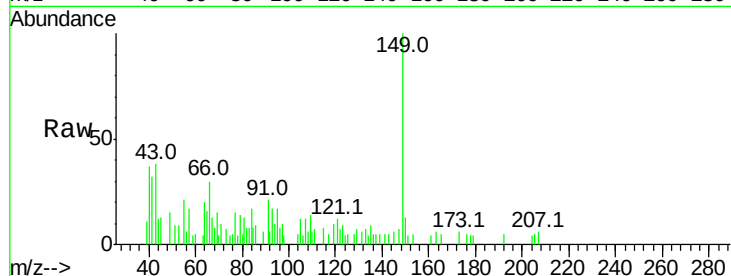
Tot Ion:149 Resp: 6969

Ion Ratio Lower Upper

149 100

150 12.5 8.1 12.1#

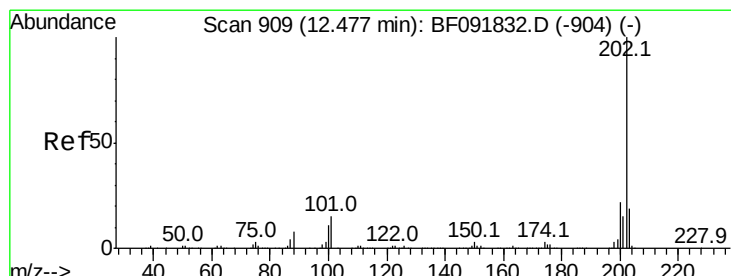
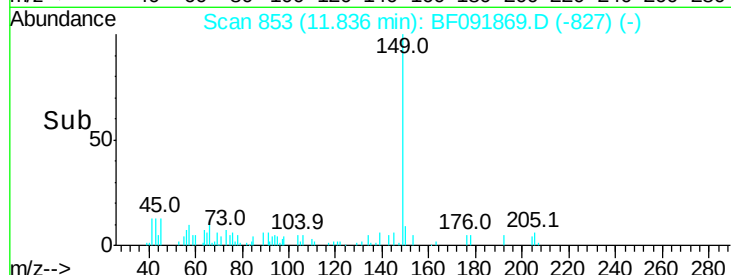
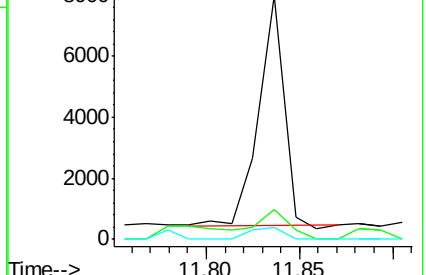
104 4.7 4.6 7.0



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: 12.48 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

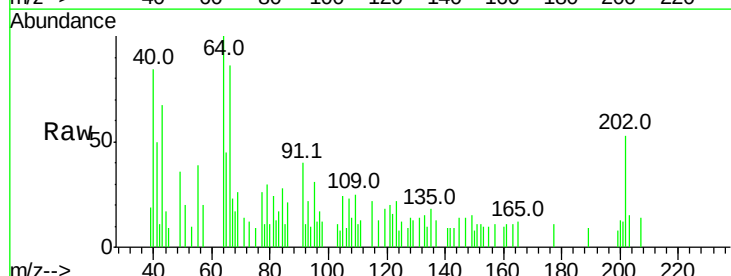
Tgt Ion:202 Resp: 2798

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

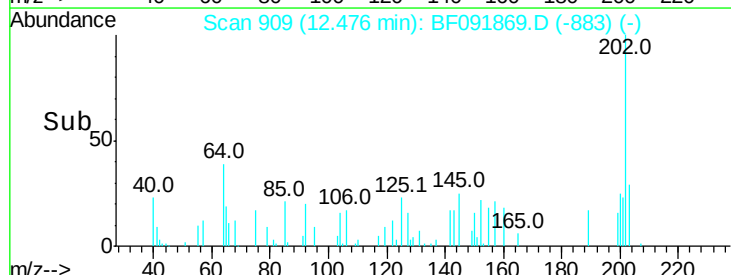
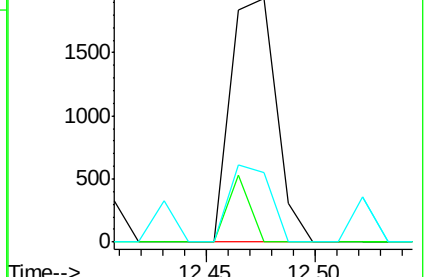
203 28.6 0.0 38.7

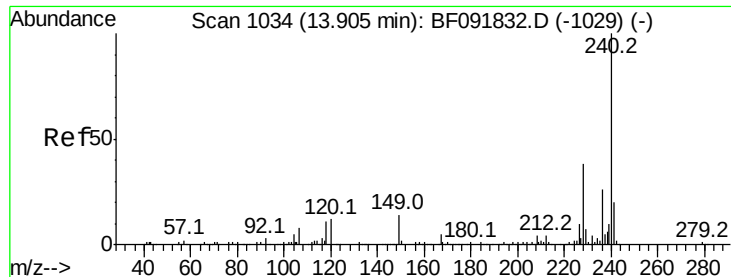


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF091869.D

Acq: 22 Dec 2016 7:33

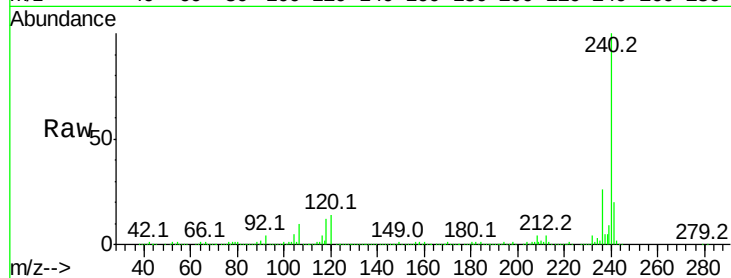
Tot Ion:240 Resp: 787708

Ion Ratio Lower Upper

240 100

120 14.0 12.9 19.3

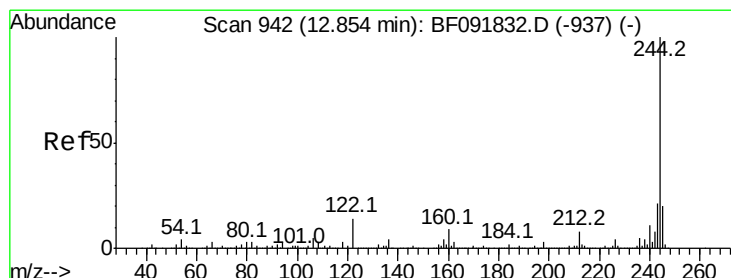
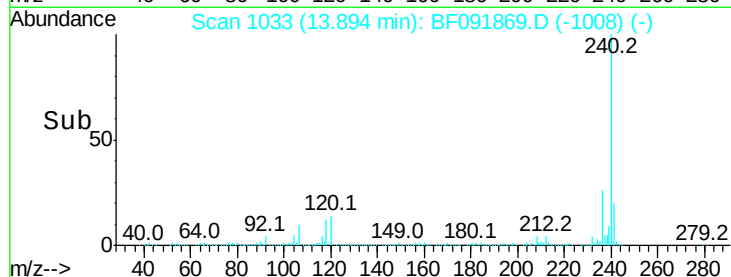
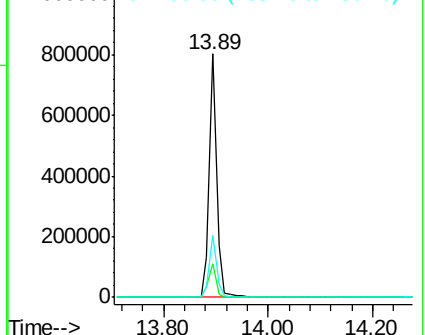
236 25.6 20.9 31.3



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: 73.94 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091869.D

Acq: 22 Dec 2016 7:33

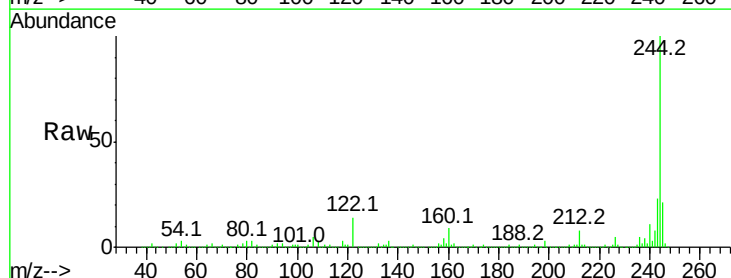
Tgt Ion:244 Resp: 2401425

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

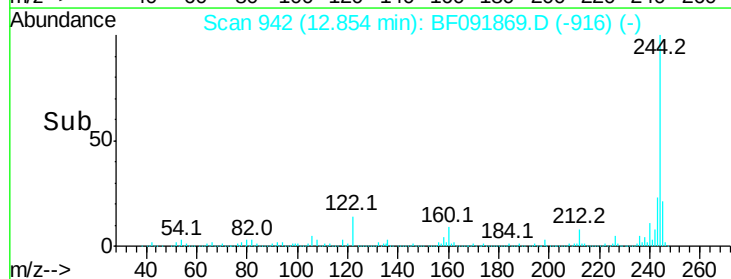
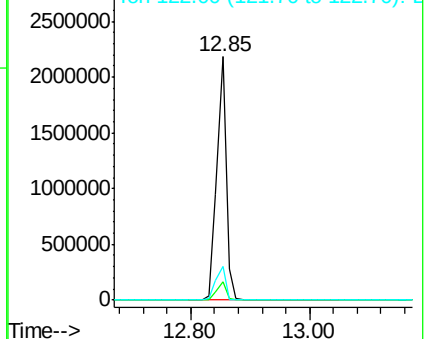
122 13.8 11.4 17.2

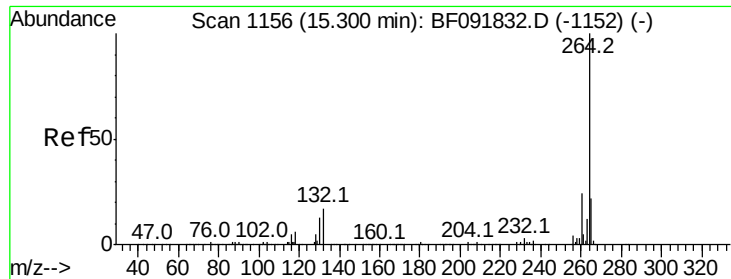


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF091869.D
Acq: 22 Dec 2016 7:33

Tot Ion:	264	Resp:	633180
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.6	17.4	26.0

