

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110817\
 Data File : BF100324.D
 Acq On : 9 Nov 2017 6:22
 Operator : SJ/JU
 Sample : I6379-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

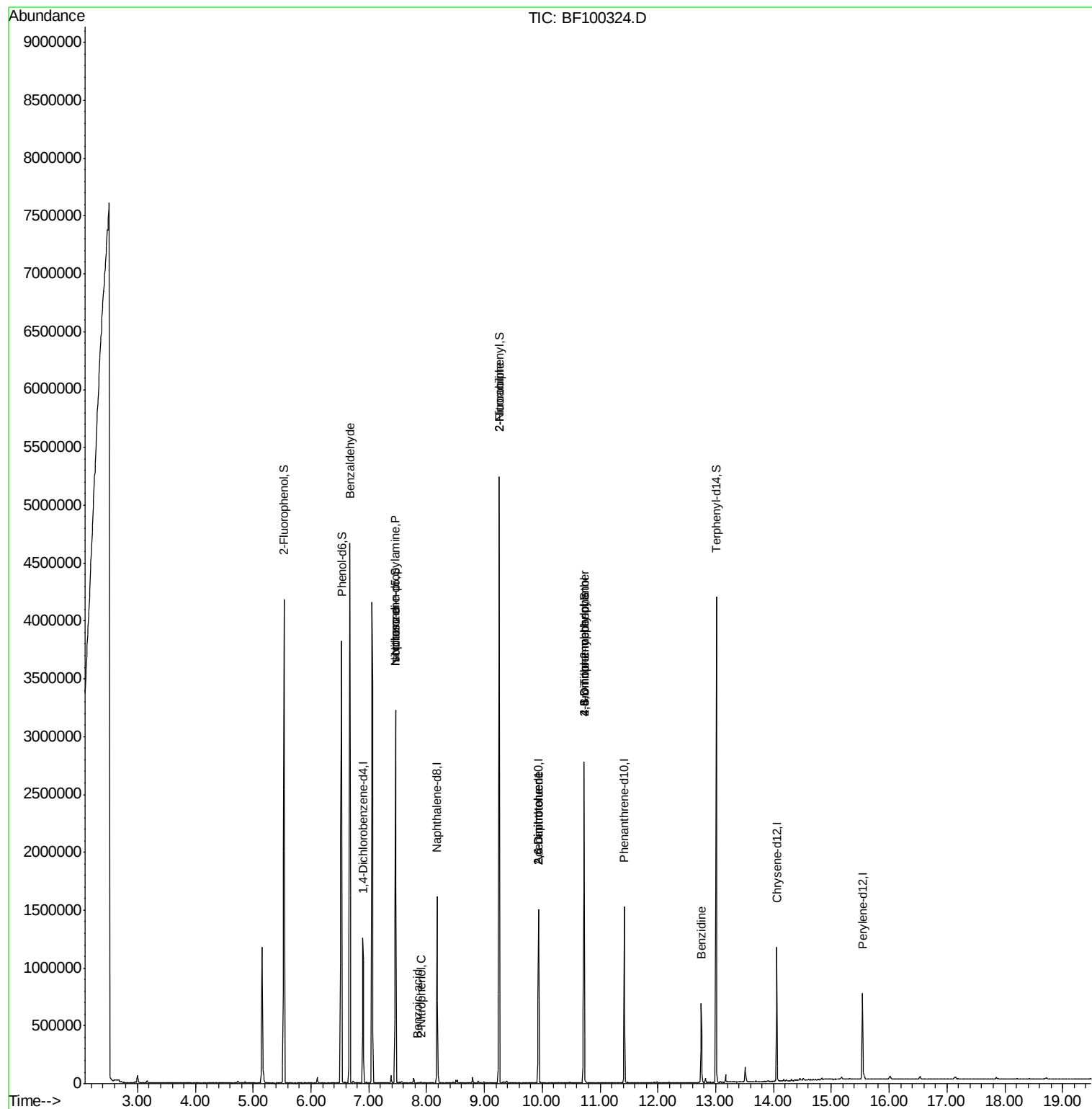
Quant Time: Nov 09 08:41:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 14:33:31 2017
 Response via : Initial Calibration

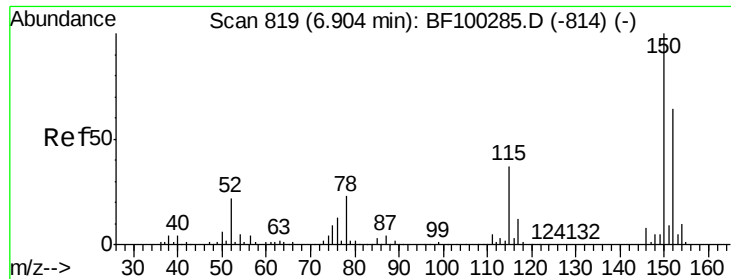
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	176720	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	691941	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	303839	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	510872	20.00	ng	0.00
75) Chrysene-d12	14.06	240	367787	20.00	ng	-0.01
86) Perylene-d12	15.54	264	341923	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1302026	118.10	ng	0.02
7) Phenol-d6	6.53	99	1397195	102.78	ng	0.00
23) Nitrobenzene-d5	7.46	82	1119439	106.96	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	377662	121.98	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1985772	99.52	ng	0.00
78) Terphenyl-d14	13.01	244	1423137	88.91	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.67	77	30782	3.17	ng	81
19) n-Nitroso-di-n-propylamine	7.46	70	149573	15.86	ng	# 84
25) Isophorone	7.46	82	1119422	50.90	ng	# 64
26) 2-Nitrophenol	7.90	139	151	5.41	ng	# 34
32) Benzoic acid	7.85	122	616	9.44	ng	# 33
47) 2-Nitroaniline	9.26	65	3382	3.35	ng	# 1
50) 2,6-Dinitrotoluene	9.93	165	38672	8.42	ng	# 26
56) 2,4-Dinitrotoluene	9.93	165	38672	6.68	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	878	8.85	ng	# 24
66) 4-Bromophenyl-phenylether	10.73	248	24192	4.42	ng	# 1
76) Benzidine	12.75	184	227110	15.42	ng	99

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

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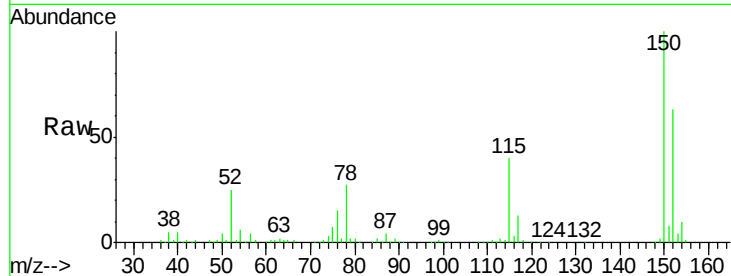




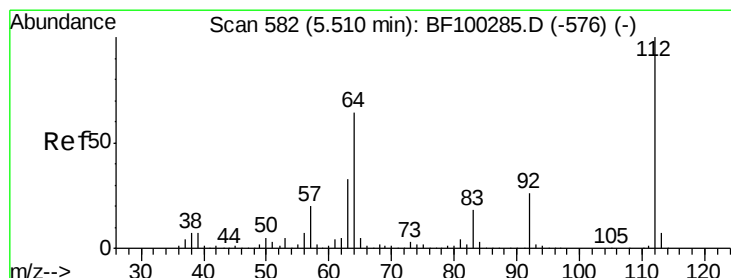
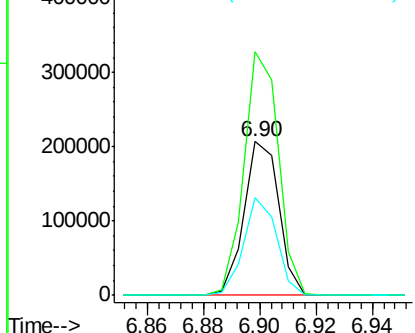
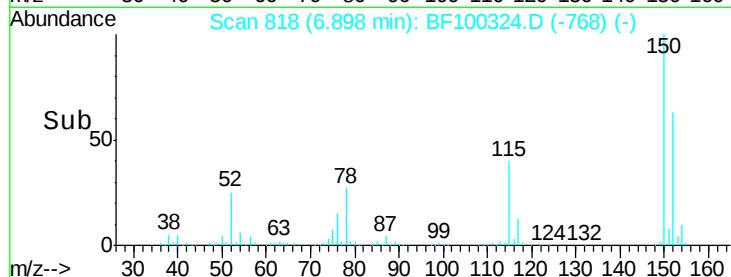
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tot Ion:152 Resp: 176720
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 63.3 50.1 75.1



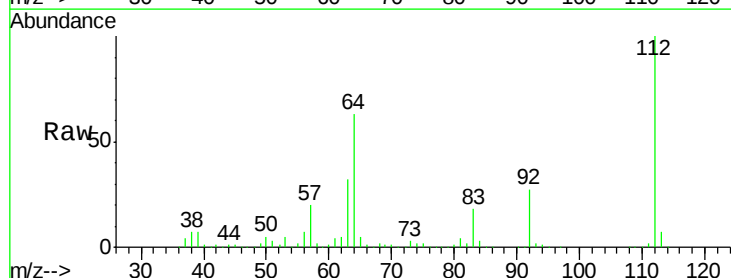
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



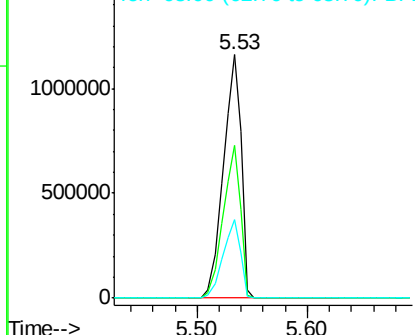
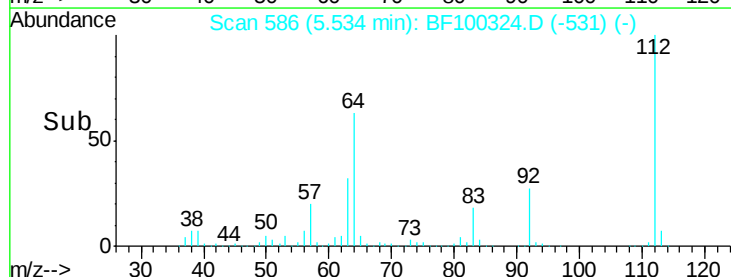
#5

2-Fluorophenol
Concen: 118.10 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tgt Ion:112 Resp: 1302026
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 32.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.78 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100324.D

Acq: 9 Nov 2017 6:22

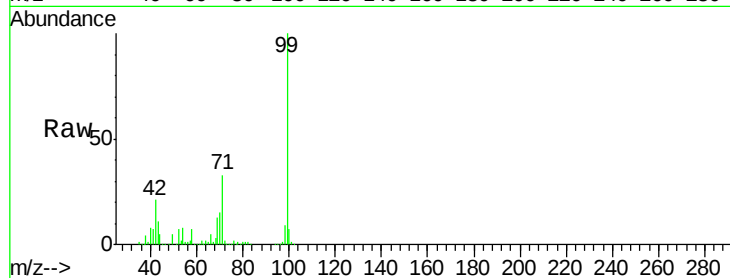
Tot Ion: 99 Resp: 1397195

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

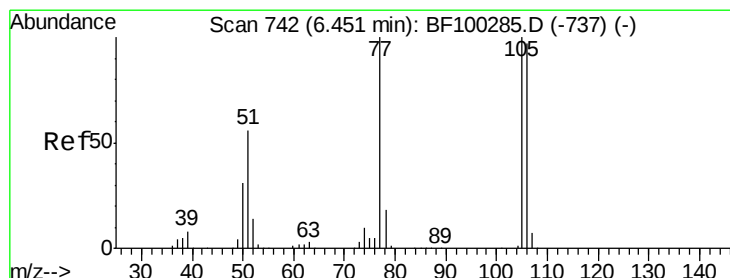
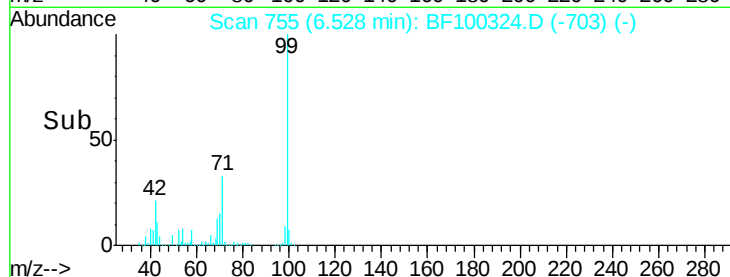
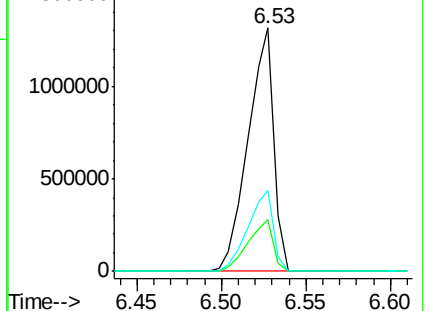
71 33.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.17 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.22 min

Lab File: BF100324.D

Acq: 9 Nov 2017 6:22

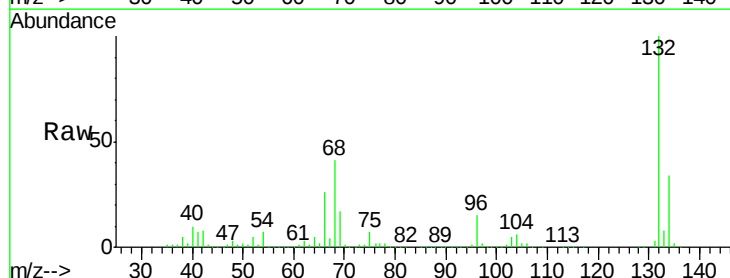
Tgt Ion: 77 Resp: 30782

Ion Ratio Lower Upper

77 100

105 83.4 81.1 121.1

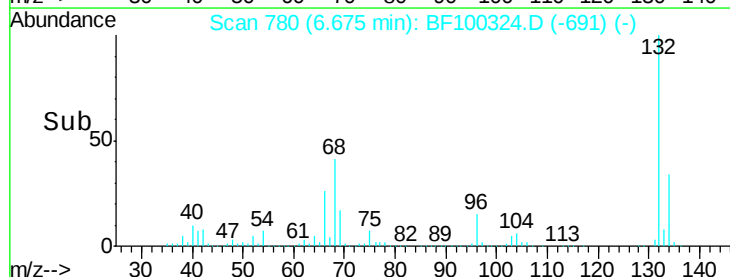
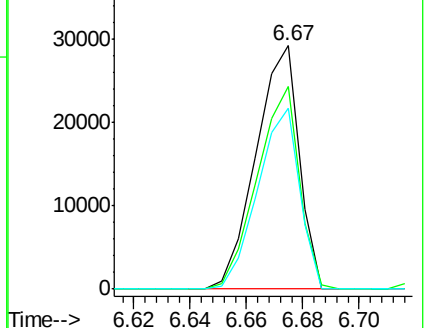
106 74.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

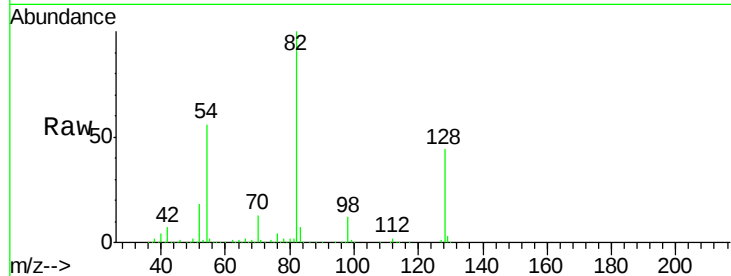
Ion 106.00 (105.70 to 106.70): BF1



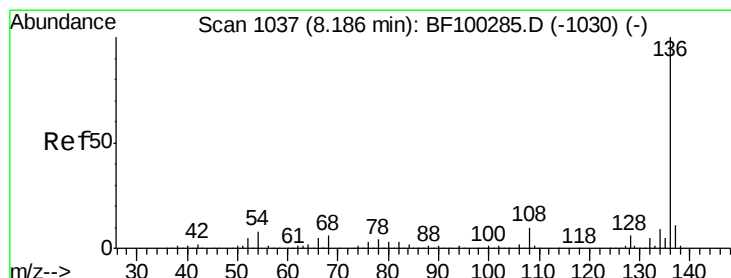
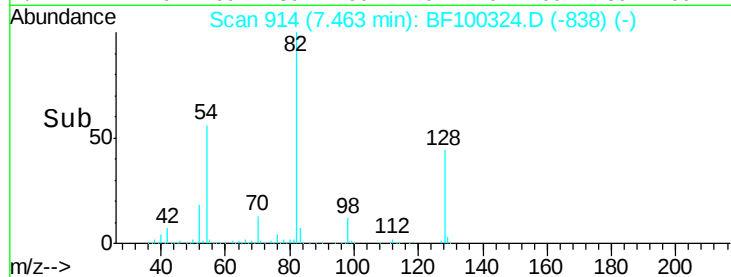
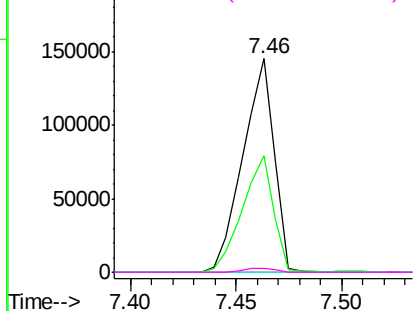


#19
n-Nitroso-di-n-propylamine
Concen: 15.86 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.15 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tot Ion: 70 Resp: 149573
Ion Ratio Lower Upper
70 100
42 54.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#

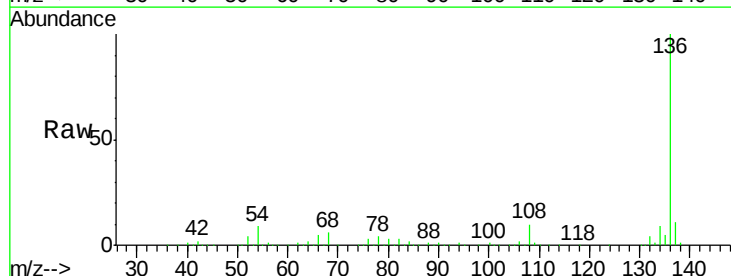


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

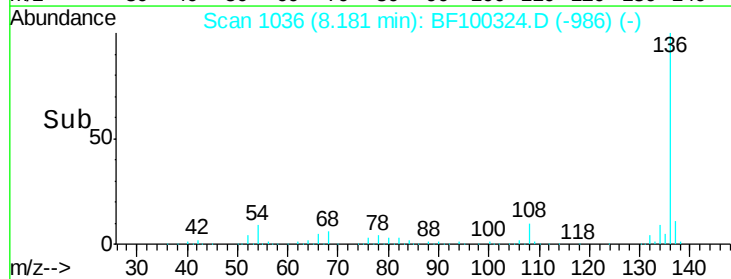
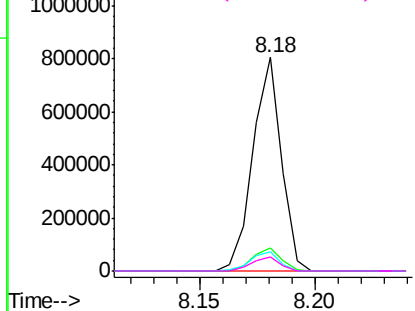


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tgt Ion: 136 Resp: 691941
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.9 6.6 9.8
68 6.4 5.0 7.4



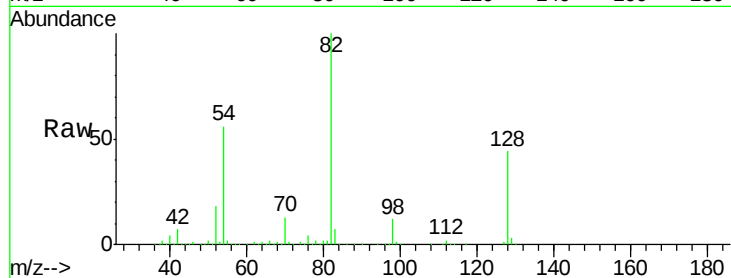
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



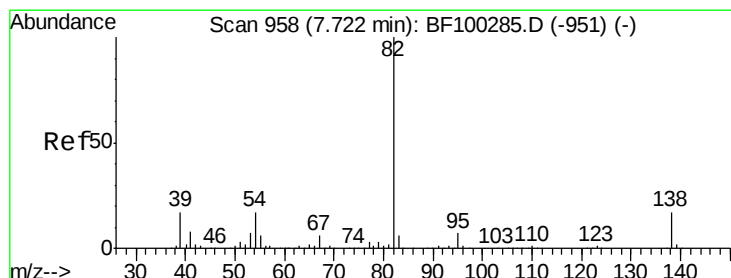
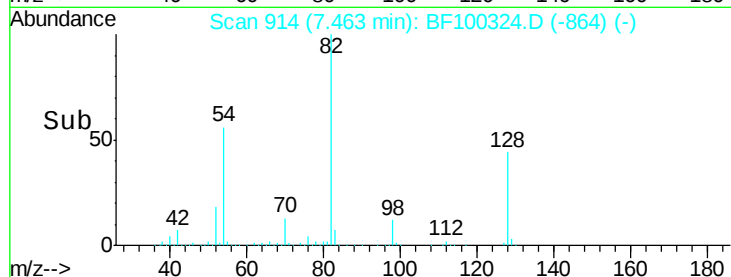
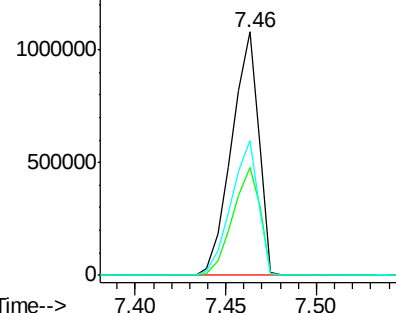


#23
Nitrobenzene-d5
Concen: 106.96 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tot Ion: 82 Resp: 1119439
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 55.6 41.4 62.2

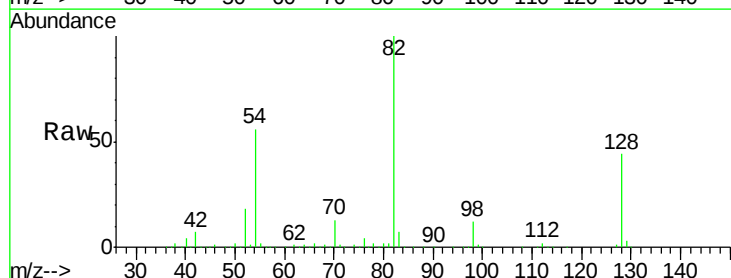


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

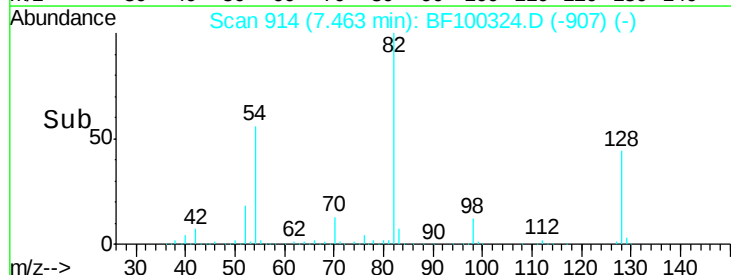
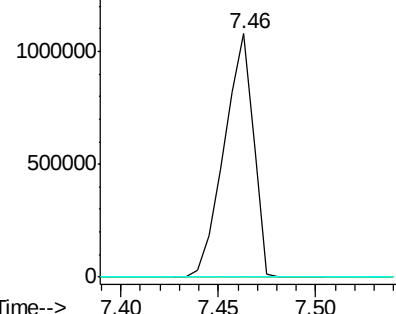


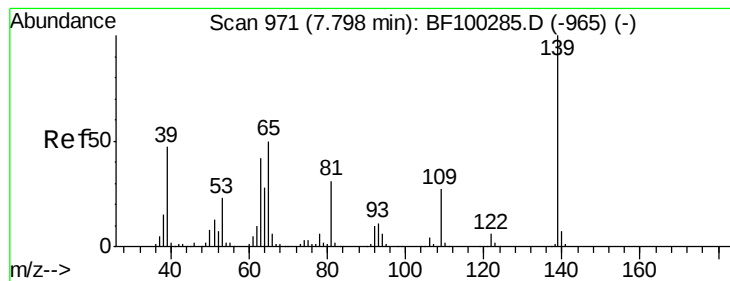
#25
Isophorone
Concen: 50.90 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.26 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tgt Ion: 82 Resp: 1119422
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#26

2-Nitrophenol

Concen: 5.41 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.10 min

Lab File: BF100324.D

Acq: 9 Nov 2017 6:22

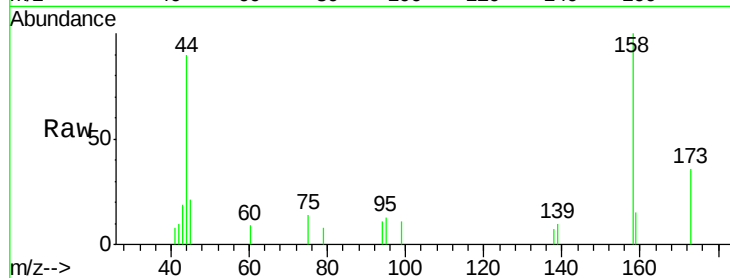
Tot Ion:139 Resp: 151

Ion Ratio Lower Upper

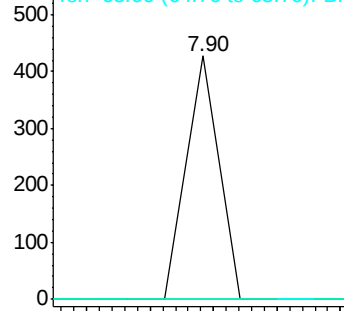
139 100

109 0.0 22.7 34.1#

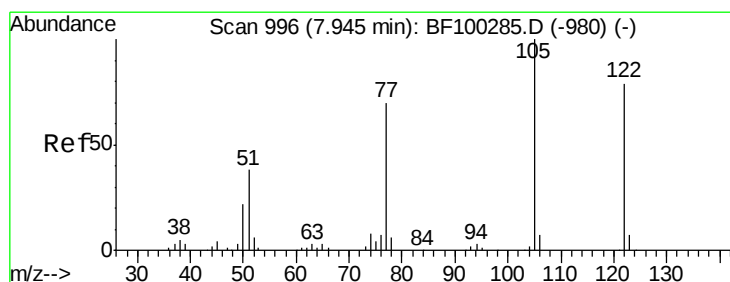
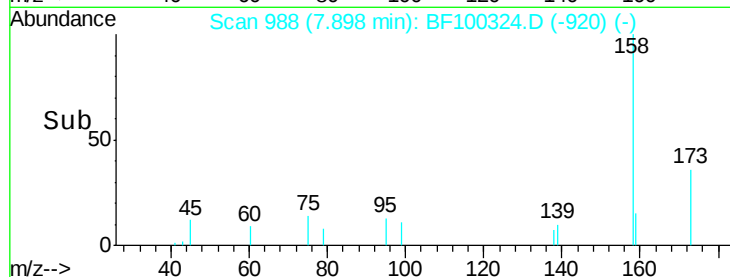
65 0.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1



Time-->



#32

Benzoic acid

Concen: 9.44 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.09 min

Lab File: BF100324.D

Acq: 9 Nov 2017 6:22

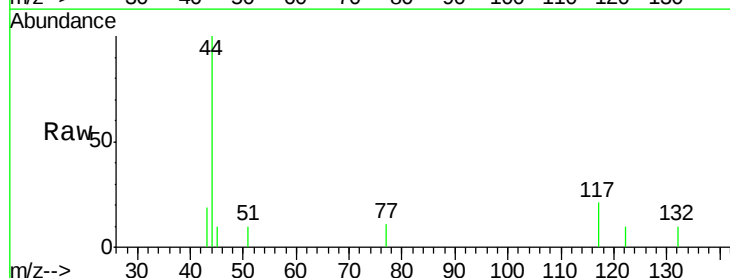
Tgt Ion:122 Resp: 616

Ion Ratio Lower Upper

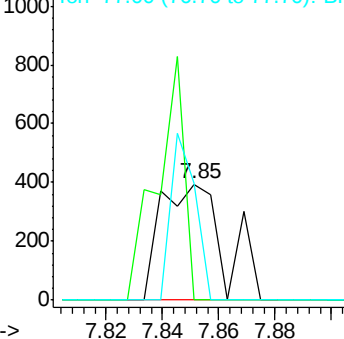
122 100

105 0.0 101.1 141.1#

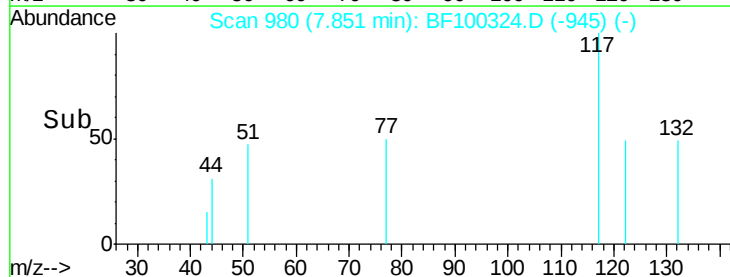
77 101.0 70.7 110.7

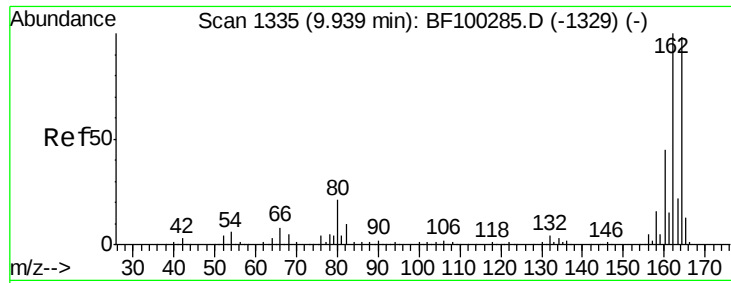


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF100324.D

Acq: 9 Nov 2017 6:22

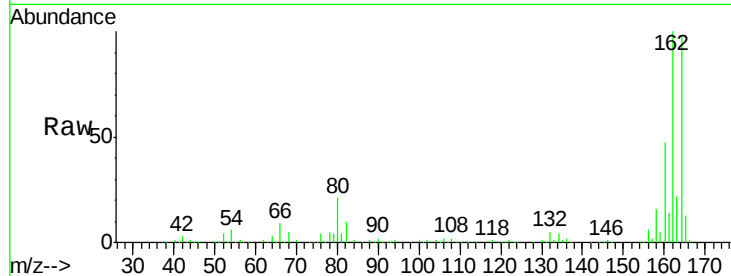
Tot Ion:164 Resp: 303839

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

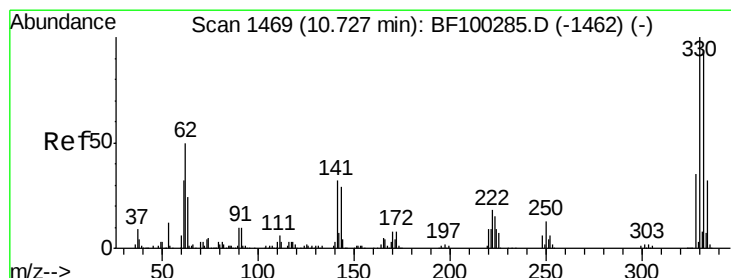
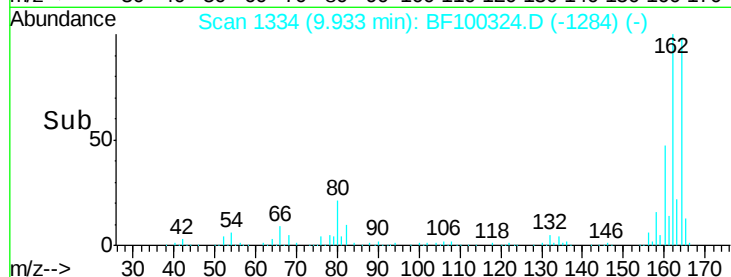
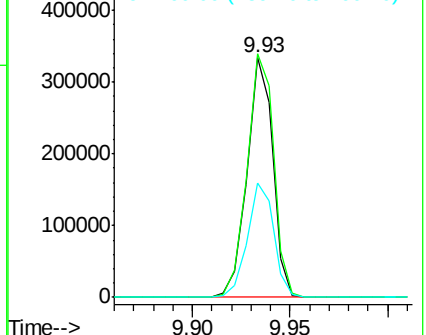
160 47.5 38.3 57.5



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: 121.98 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BF100324.D

Acq: 9 Nov 2017 6:22

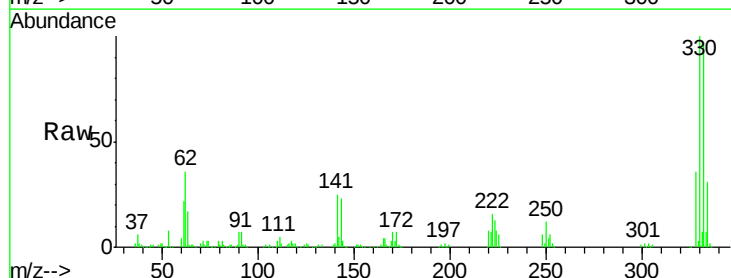
Tgt Ion:330 Resp: 377662

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

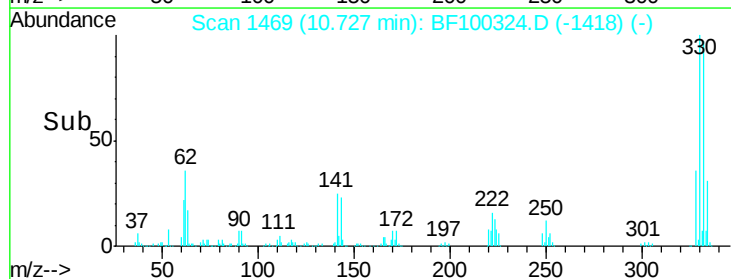
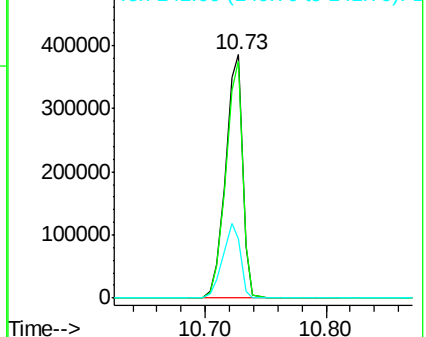
141 31.3 29.9 44.9

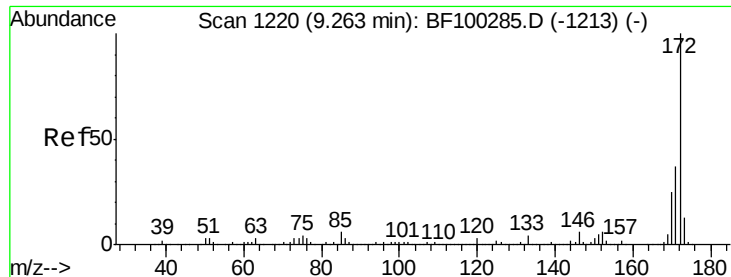


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

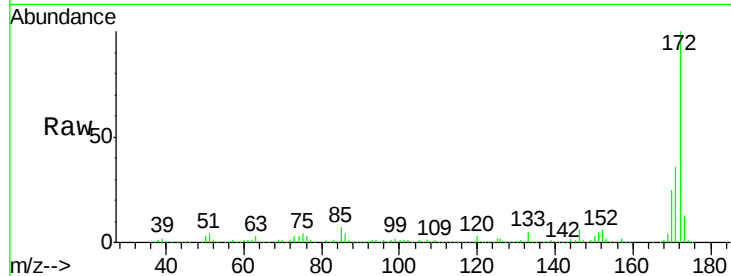




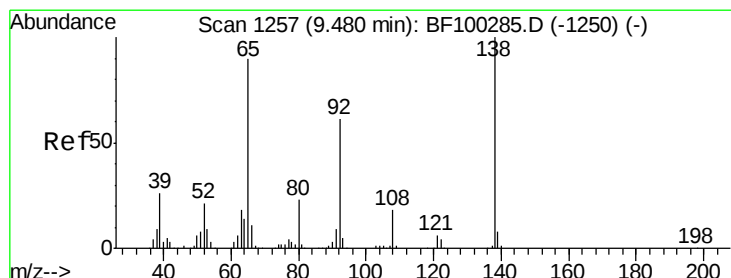
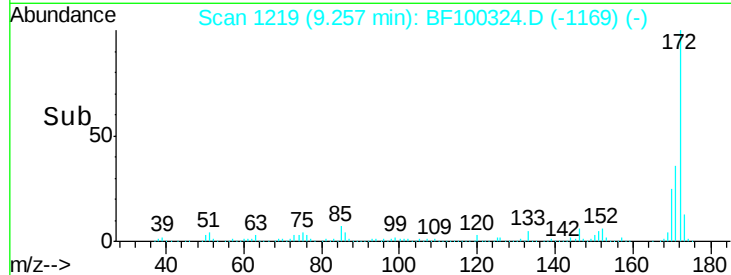
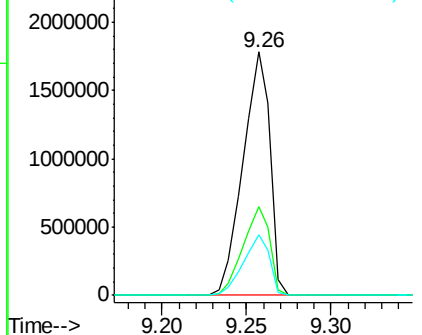
#44
2-Fluorobiphenyl
Concen: 99.52 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tot Ion:172 Resp: 1985772

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.8	19.6	29.4



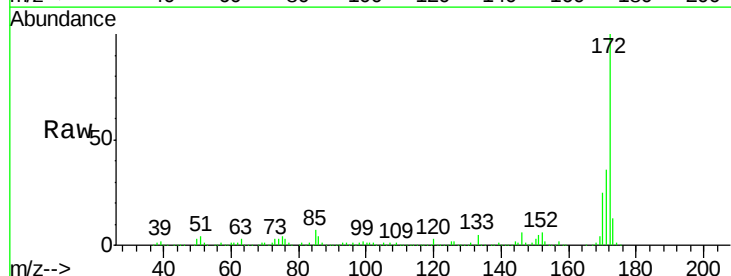
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



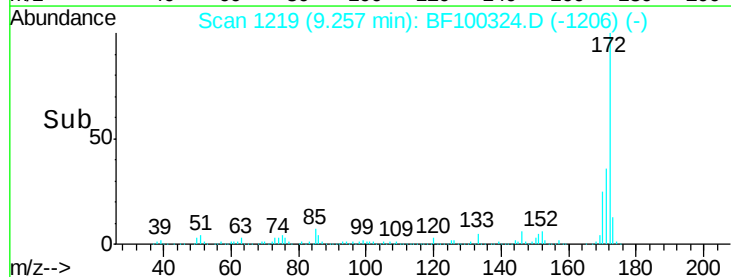
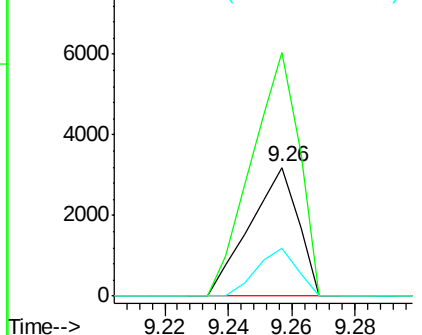
#47
2-Nitroaniline
Concen: 3.35 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.22 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

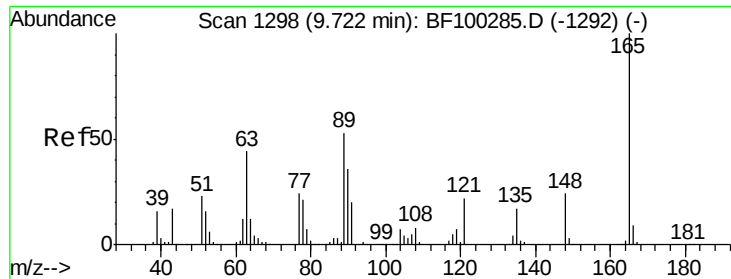
Tgt Ion: 65 Resp: 3382

Ion	Ratio	Lower	Upper
65	100		
92	188.8	55.8	83.6#
138	36.8	91.2	136.8#



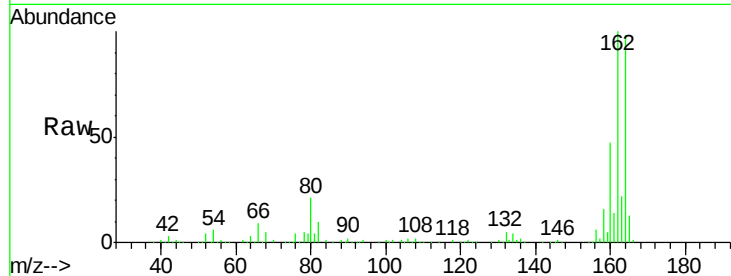
Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E



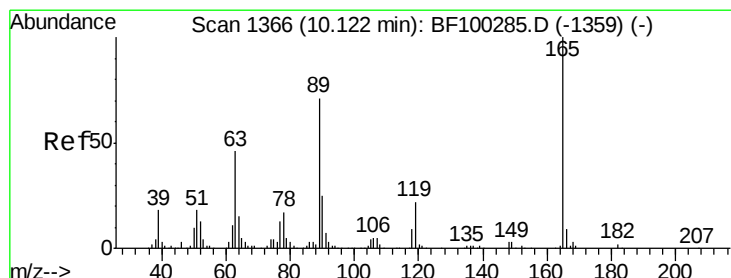
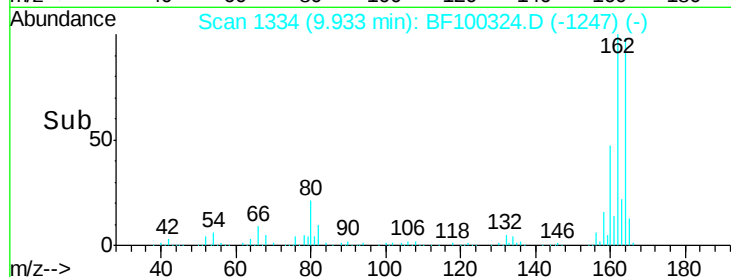
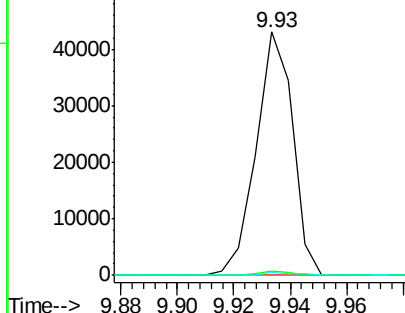


#50
 2,6-Dinitrotoluene
 Concen: 8.42 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.21 min
 Lab File: BF100324.D
 Acq: 9 Nov 2017 6:22

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.2	44.0	66.0#



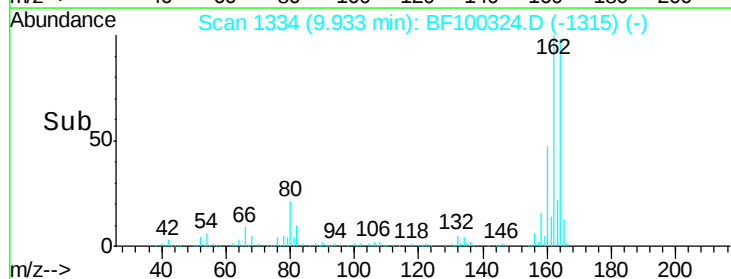
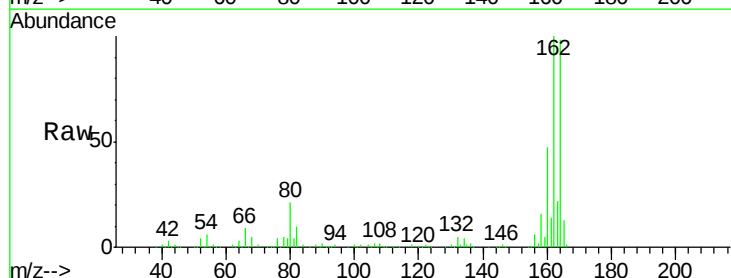
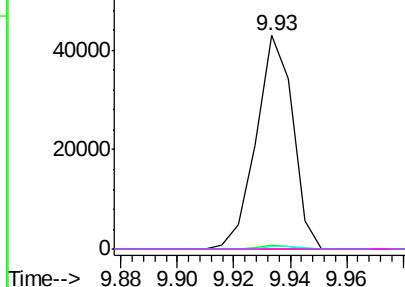
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

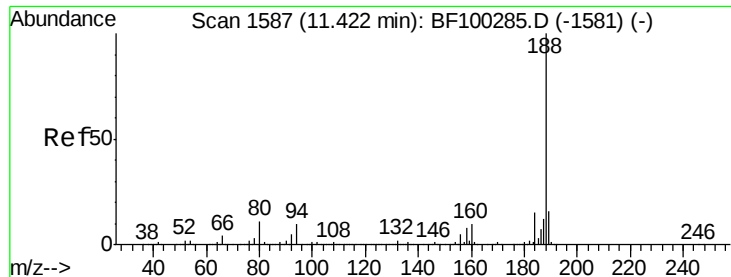


#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.19 min
 Lab File: BF100324.D
 Acq: 9 Nov 2017 6:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

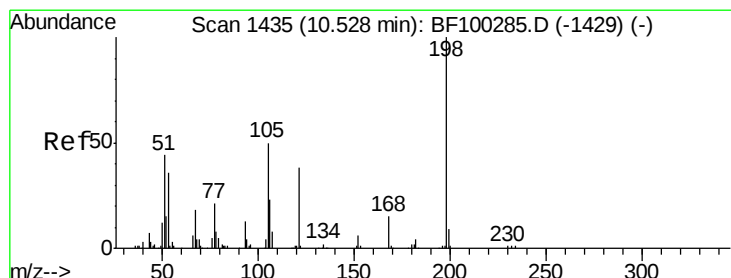
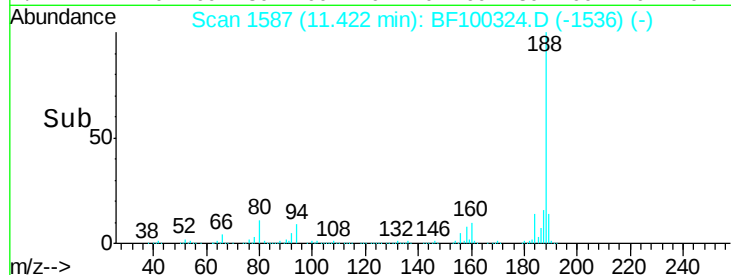
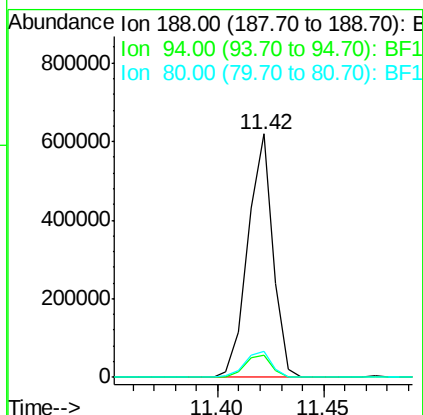
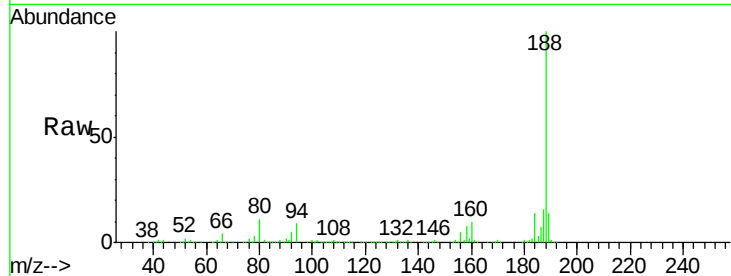
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





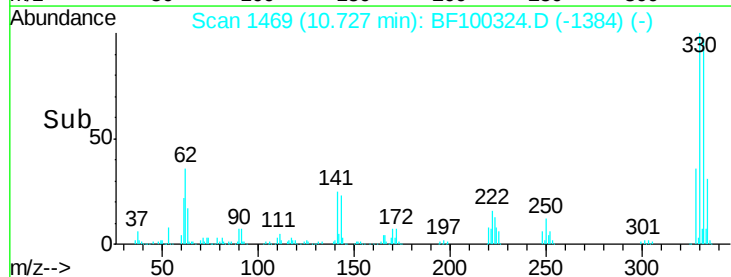
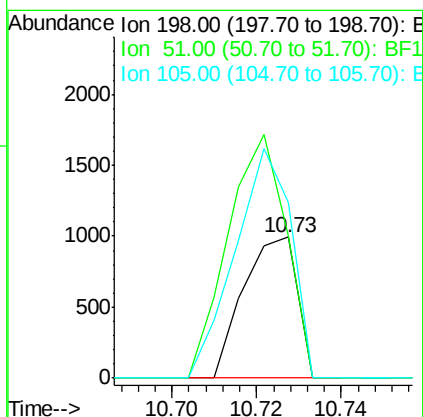
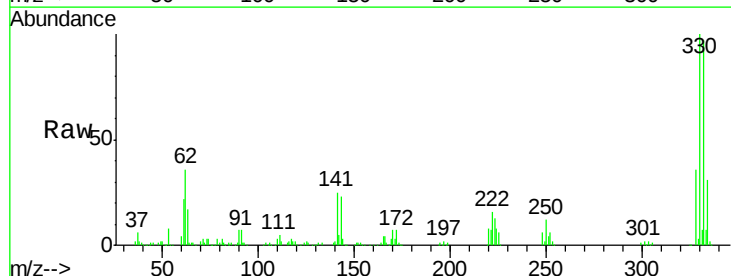
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

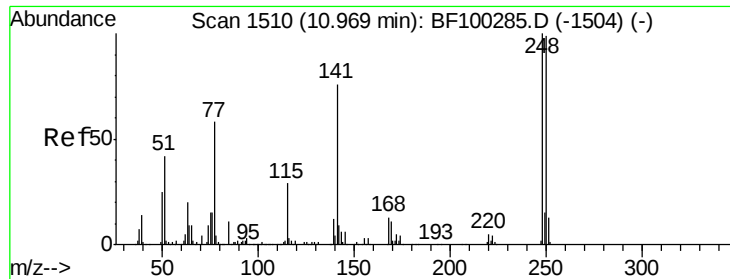
Tot Ion:188 Resp: 510872
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.85 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.20 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

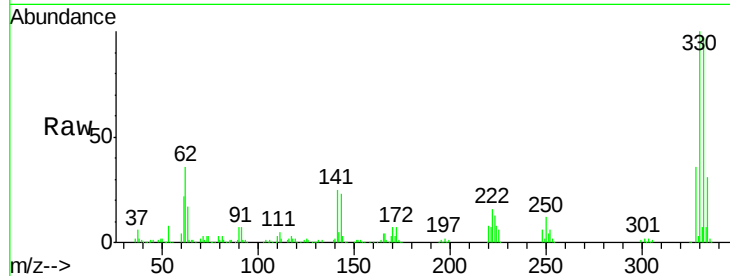
Tgt Ion:198 Resp: 878
Ion Ratio Lower Upper
198 100
51 101.2 37.7 77.7#
105 125.4 36.3 76.3#



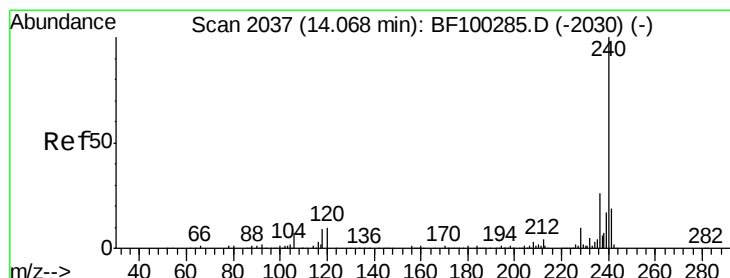
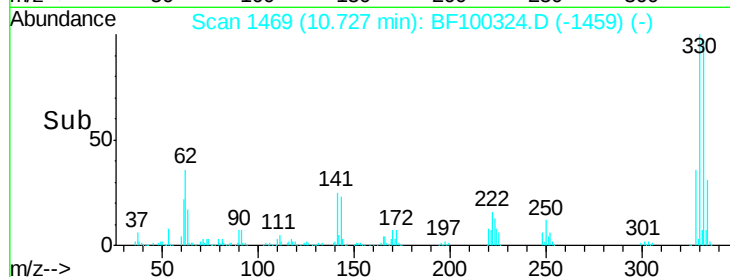
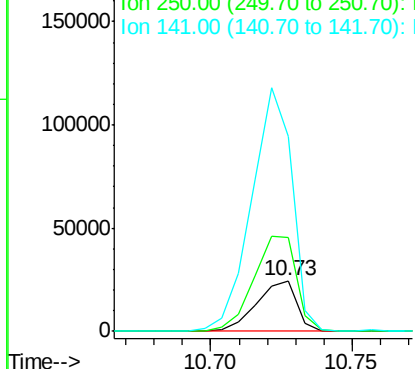


#66
4-Bromophenyl-phenylether
Concen: 4.42 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tot Ion:248 Resp: 24192
Ion Ratio Lower Upper
248 100
250 185.7 76.9 115.3#
141 384.7 74.4 111.6#

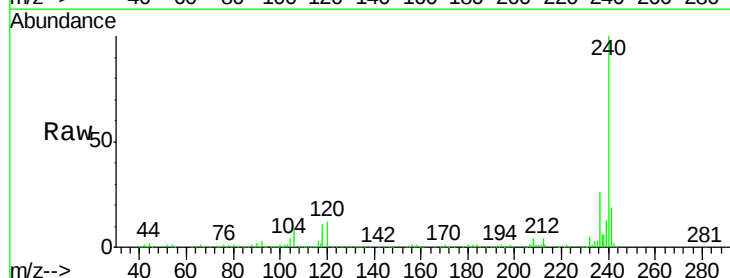


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

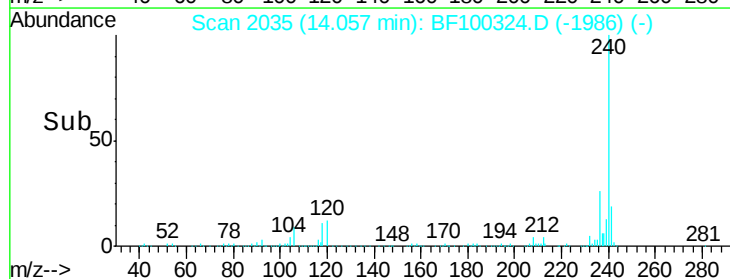
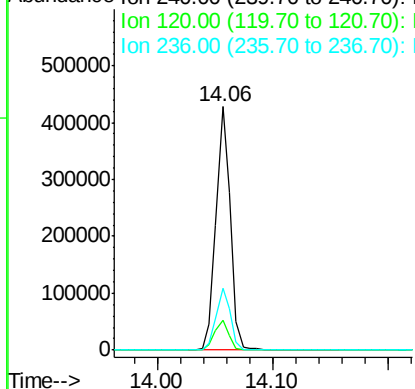


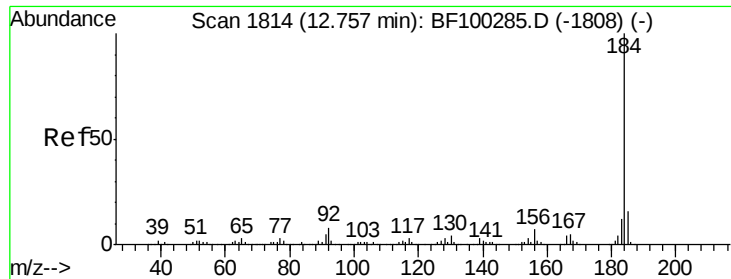
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tgt Ion:240 Resp: 367787
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 25.7 20.7 31.1



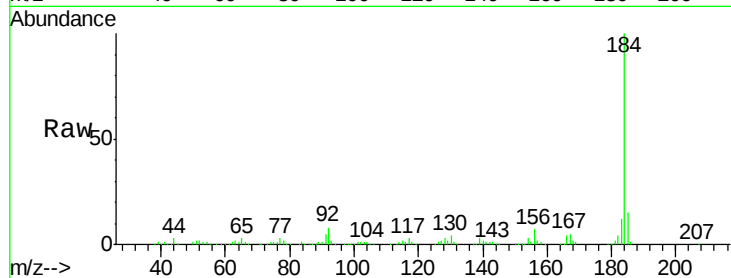
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



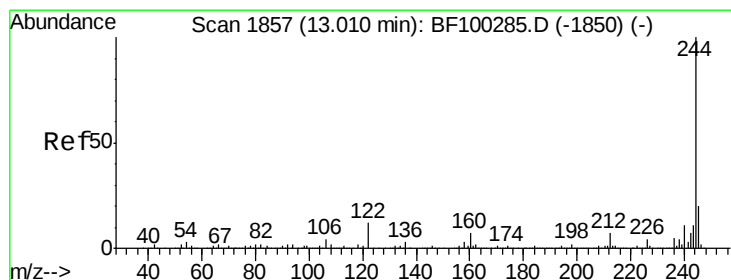
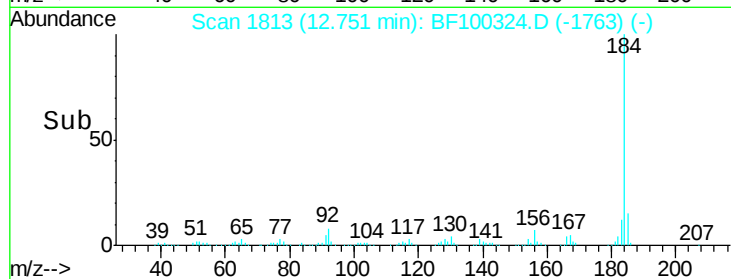
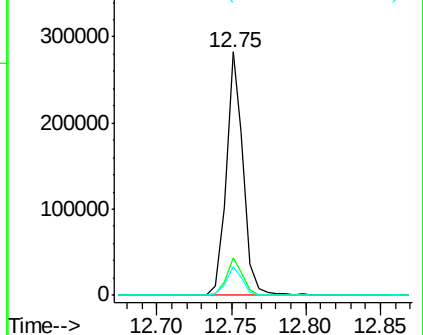


#76
Benzidine
Concen: 15.42 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tot Ion:184 Resp: 227110
Ion Ratio Lower Upper
184 100
185 15.3 12.6 18.8
183 11.9 9.3 13.9

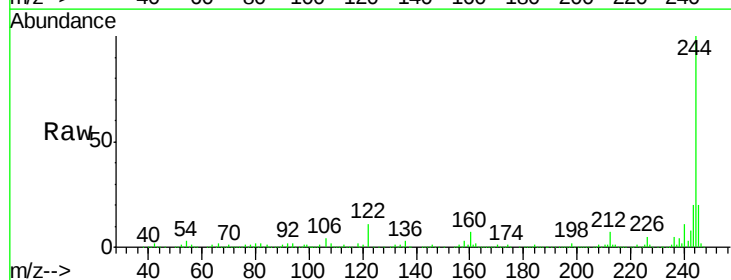


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

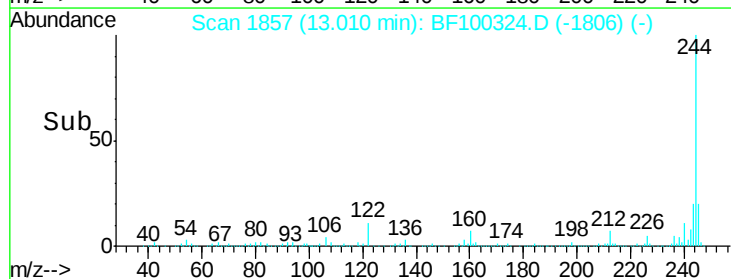
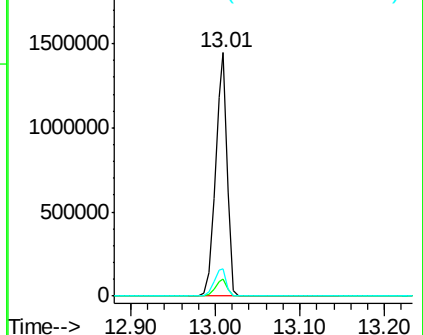


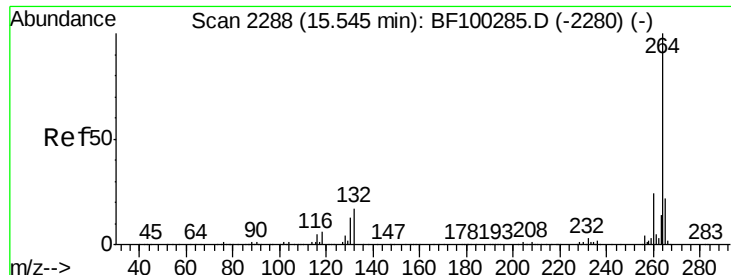
#78
Terphenyl-d14
Concen: 88.91 ng
RT: 13.01 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BF100324.D
Acq: 9 Nov 2017 6:22

Tgt Ion:244 Resp: 1423137
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 11.2 11.0 16.4



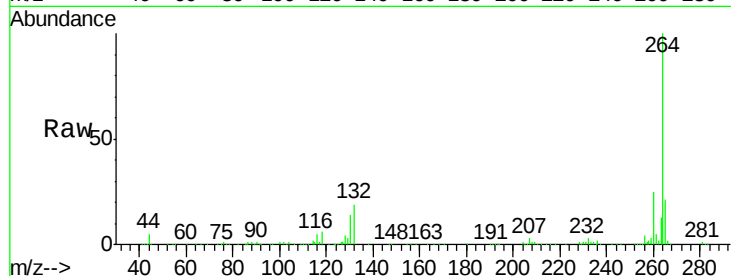
Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF100324.D
 Acq: 9 Nov 2017 6:22

Tot Ion:	264	Resp:	341923
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	20.9	17.5	26.3



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

