

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110817\
 Data File : BF100320.D
 Acq On : 9 Nov 2017 4:35
 Operator : SJ/JU
 Sample : I6311-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

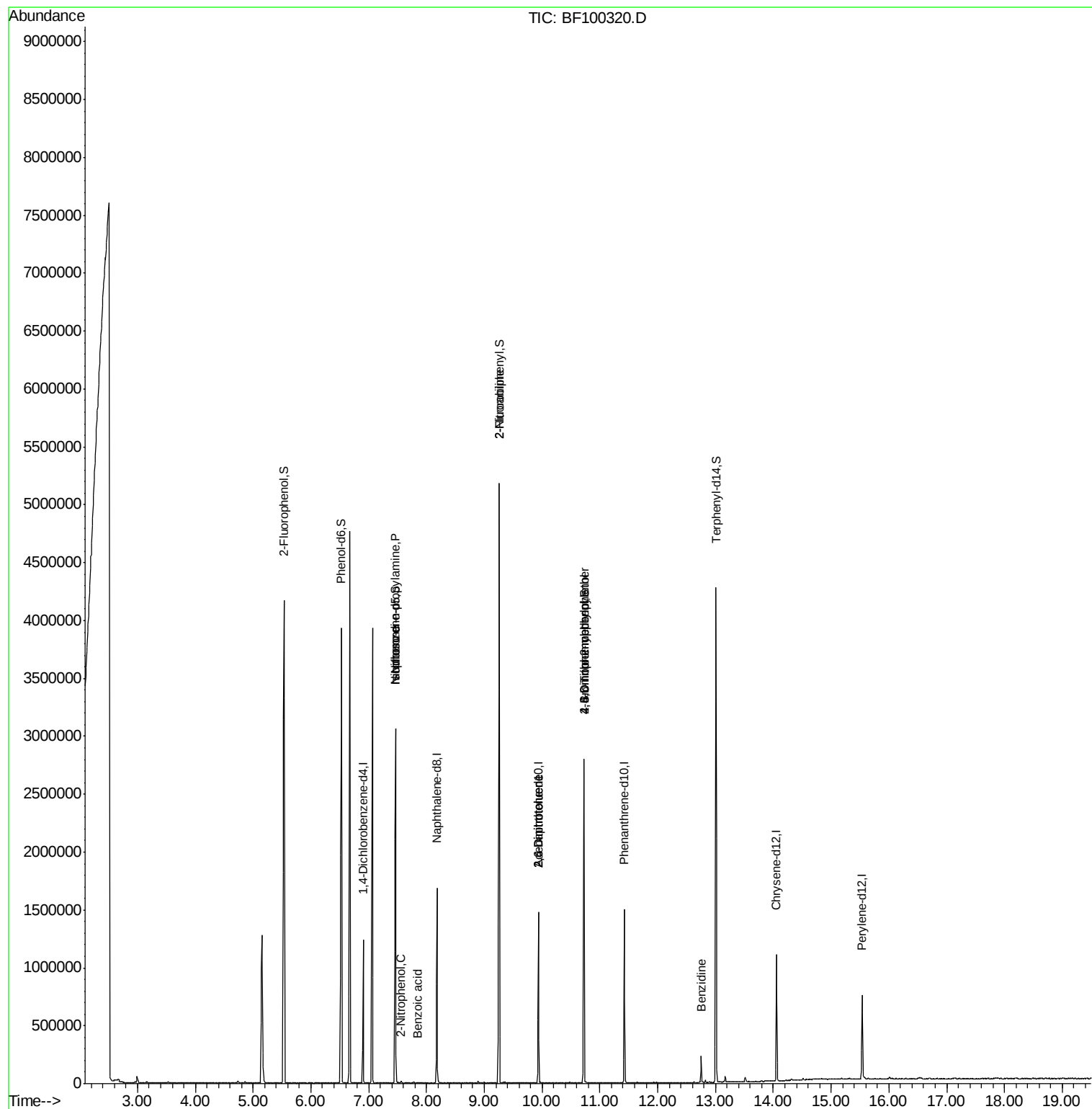
Quant Time: Nov 09 08:39:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 14:33:31 2017
 Response via : Initial Calibration

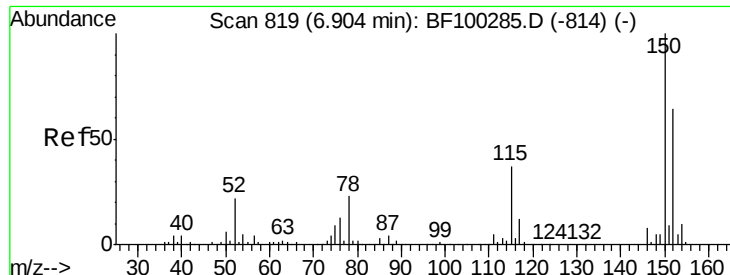
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	179566	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	680828	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	296190	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	477676	20.00	ng	0.00
75) Chrysene-d12	14.06	240	355686	20.00	ng	-0.01
86) Perylene-d12	15.54	264	331601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1353835	120.86	ng	0.02
7) Phenol-d6	6.53	99	1464674	106.03	ng	0.00
23) Nitrobenzene-d5	7.46	82	1156539	112.31	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	385552	127.74	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1833538	94.26	ng	0.00
78) Terphenyl-d14	13.01	244	1435718	92.75	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	157563	16.45	ng	# 84
25) Isophorone	7.46	82	1156521	53.44	ng	# 64
26) 2-Nitrophenol	7.56	139	336	5.44	ng	# 34
32) Benzoic acid	7.85	122	811	9.46	ng	# 80
47) 2-Nitroaniline	9.26	65	2967	3.29	ng	# 1
50) 2,6-Dinitrotoluene	9.93	165	37568	8.39	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	37568	6.65	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	849	8.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	23437	4.58	ng	# 1
76) Benzidine	12.75	184	77612	5.45	ng	99

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110817\
Data File : BF100320.D
Acq On : 9 Nov 2017 4:35
Operator : SJ/JU
Sample : I6311-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

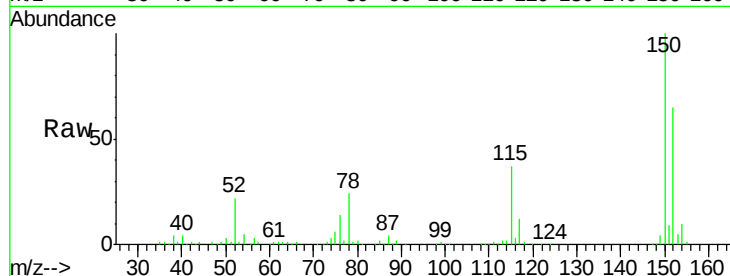
Quant Time: Nov 09 08:39:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 14:33:31 2017
Response via : Initial Calibration



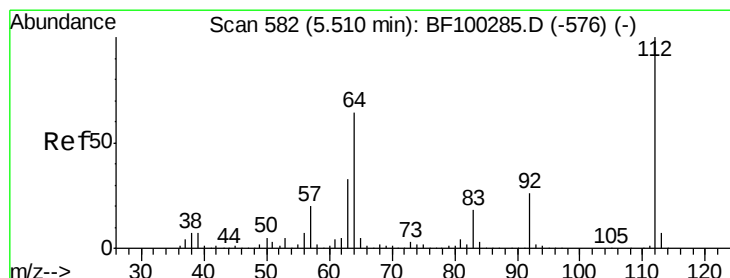
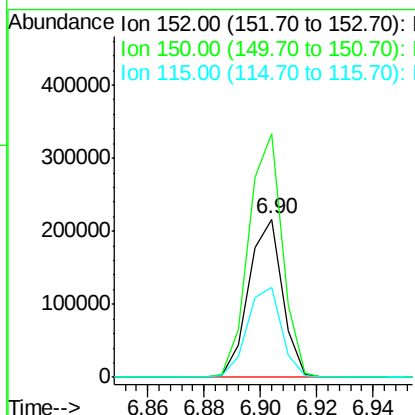
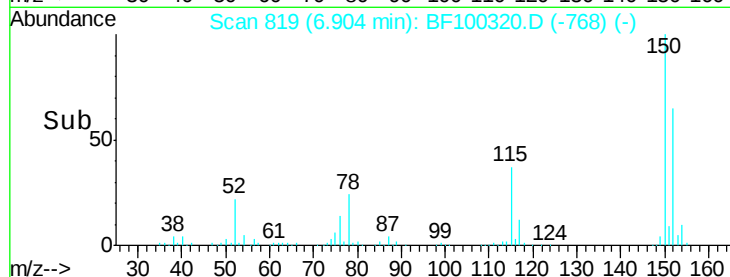


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF100320.D
 Acq: 9 Nov 2017 4:35

Tot Ion:152 Resp: 179566
 Ion Ratio Lower Upper
 152 100
 150 153.7 124.6 186.8
 115 56.5 50.1 75.1

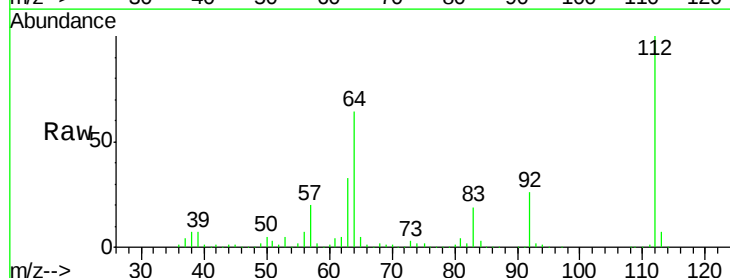


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

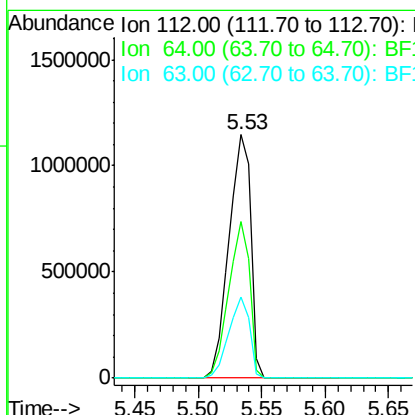
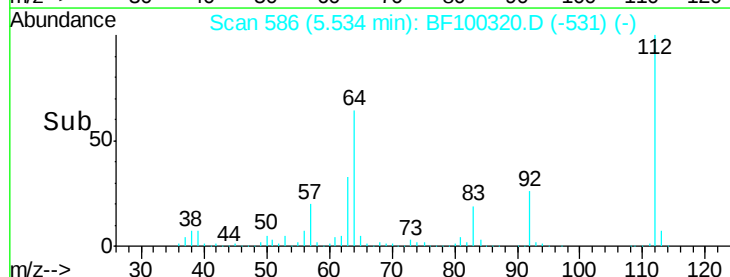


#5
 2-Fluorophenol
 Concen: 120.86 ng
 RT: 5.53 min Scan# 586
 Delta R.T. 0.02 min
 Lab File: BF100320.D
 Acq: 9 Nov 2017 4:35

Tgt Ion:112 Resp: 1353835
 Ion Ratio Lower Upper
 112 100
 64 64.1 47.9 71.9
 63 33.4 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: 106.03 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

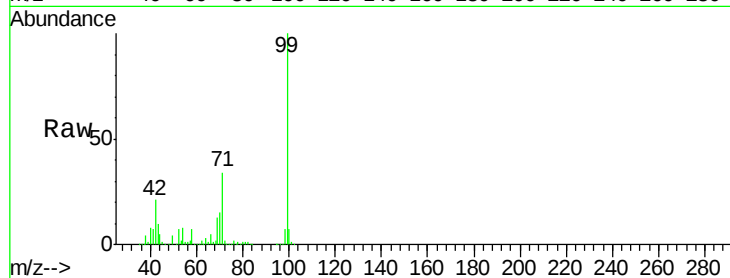
Tot Ion: 99 Resp: 1464674

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

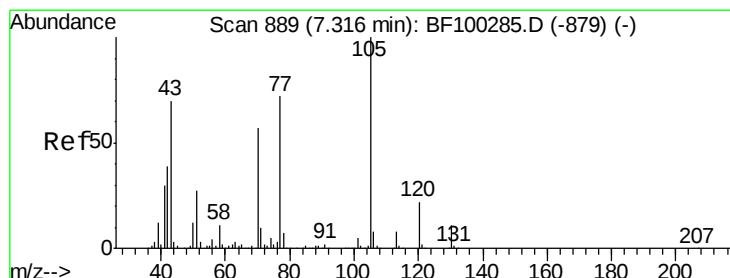
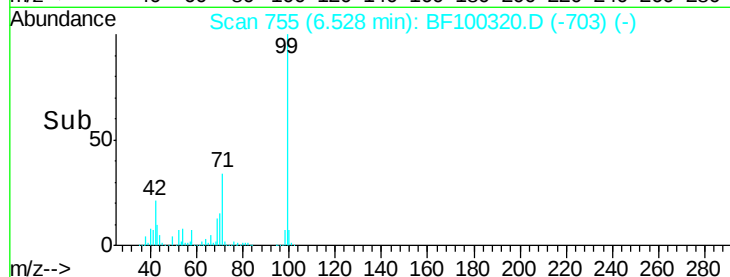
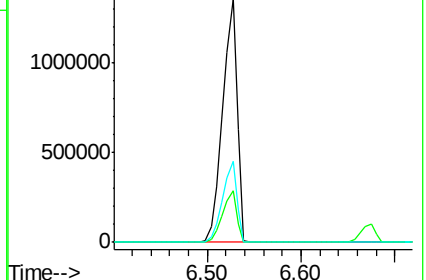
71 33.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.45 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

Tgt Ion: 70 Resp: 157563

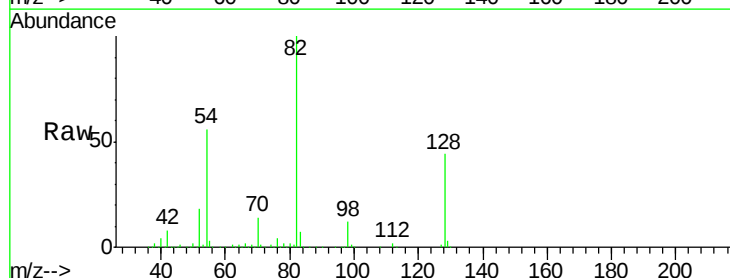
Ion Ratio Lower Upper

70 100

42 54.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

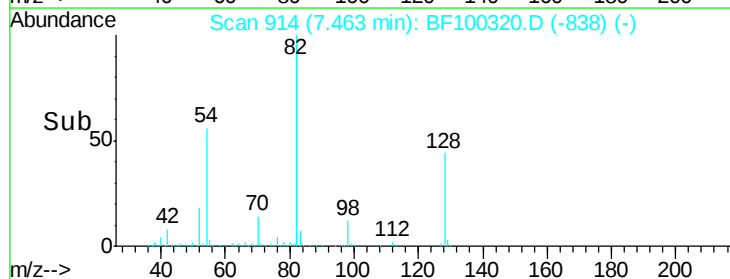
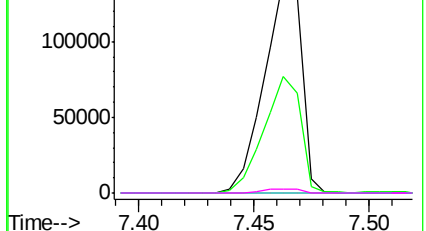


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

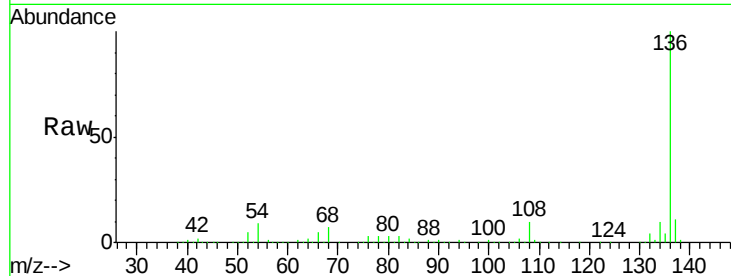
Ion 130.00 (129.70 to 130.70): BF1



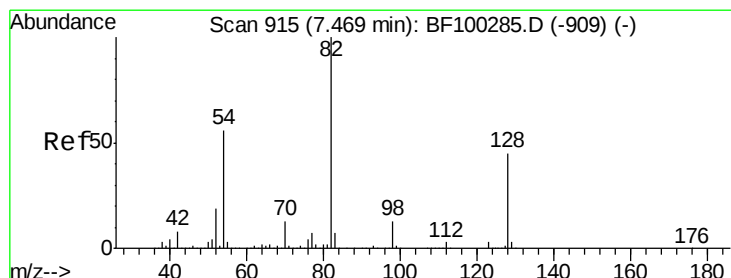
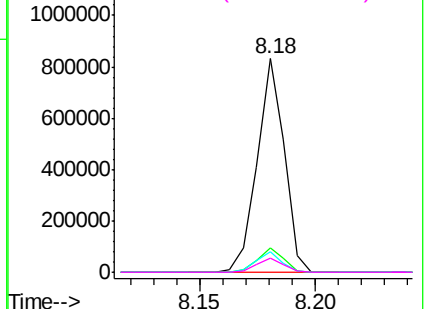
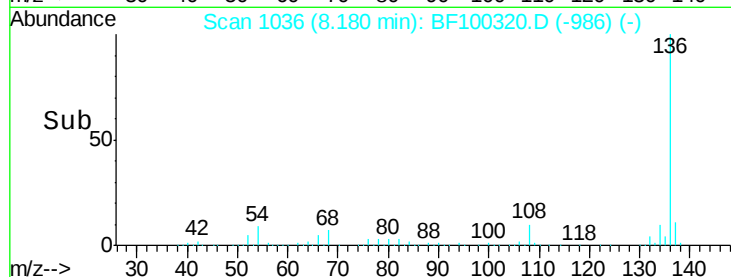


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100320.D
Acq: 9 Nov 2017 4:35

Tot Ion:136	Resp: 680828
Ion Ratio	Lower Upper
136 100	
137 11.3	8.9 13.3
54 9.4	6.6 9.8
68 6.6	5.0 7.4

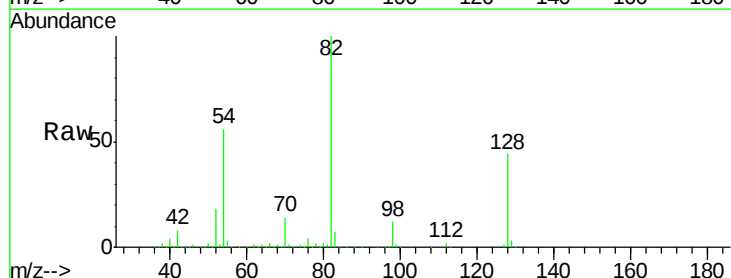


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

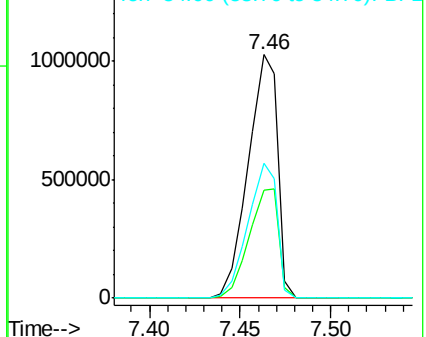
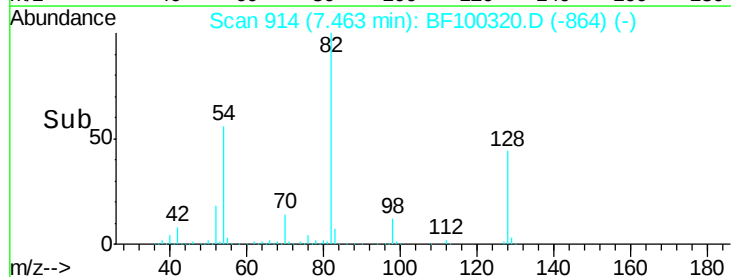


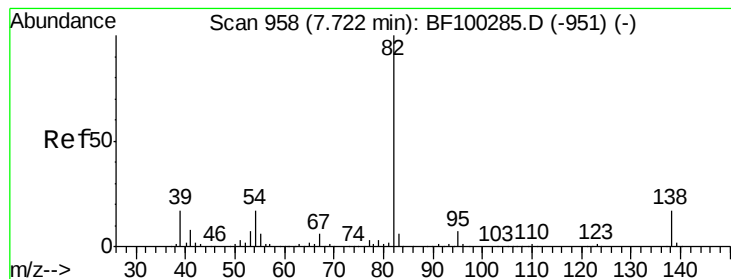
#23
Nitrobenzene-d5
Concen: 112.31 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100320.D
Acq: 9 Nov 2017 4:35

Tgt Ion: 82	Resp: 1156539
Ion Ratio	Lower Upper
82 100	
128 44.3	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): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 53.44 ng

RT: 7.46 min Scan# 914

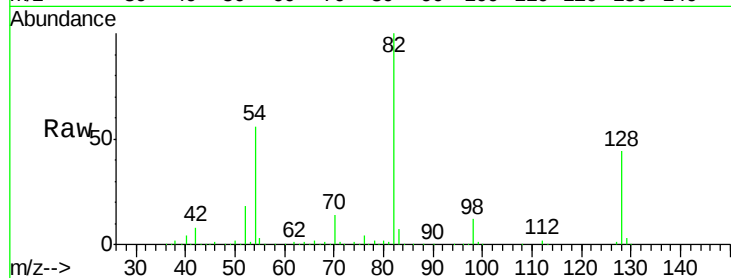
Delta R.T. -0.26 min

Lab File: BF100320.D

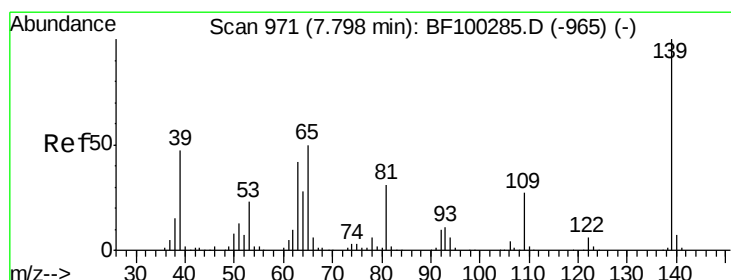
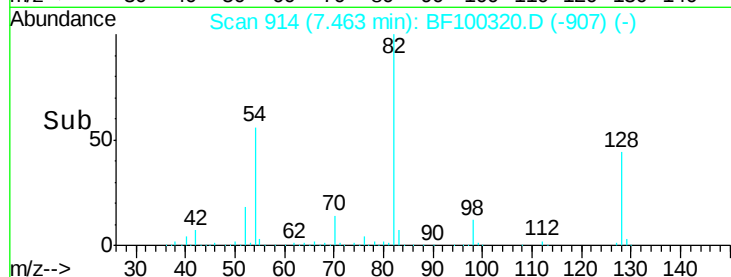
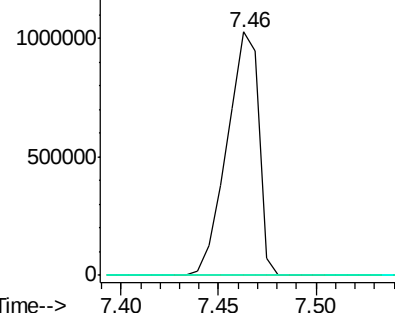
Acq: 9 Nov 2017 4:35

Tot Ion: 82 Resp: 1156521

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: 5.44 ng

RT: 7.56 min Scan# 931

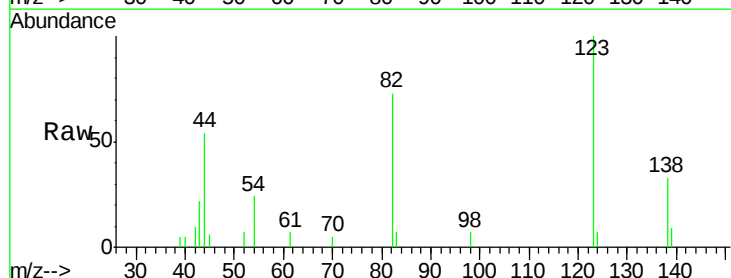
Delta R.T. -0.24 min

Lab File: BF100320.D

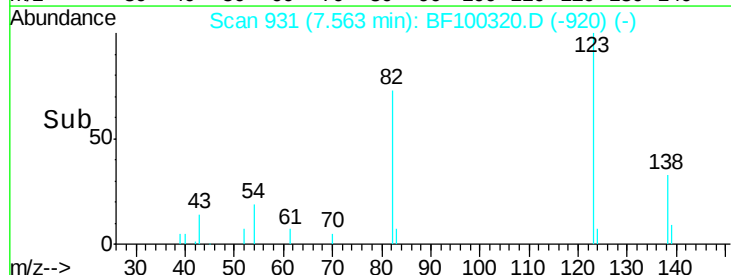
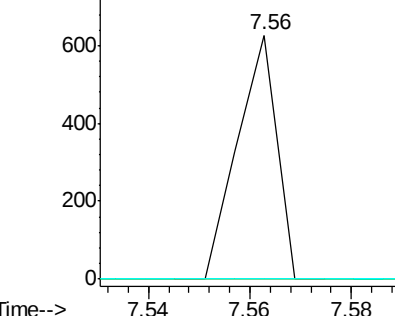
Acq: 9 Nov 2017 4:35

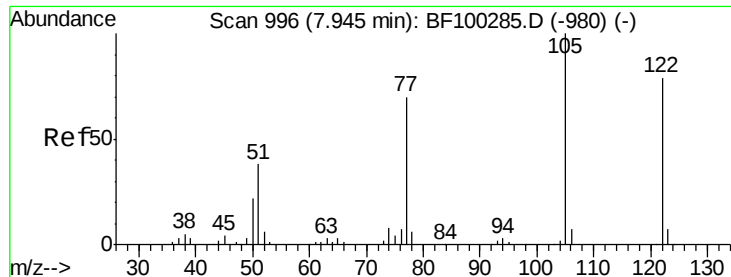
Tgt Ion: 139 Resp: 336

Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	0.0	40.5	60.7#



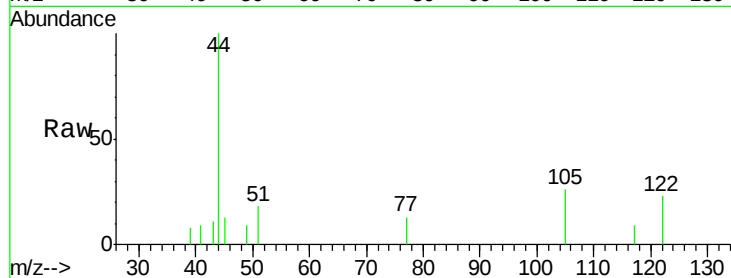
Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



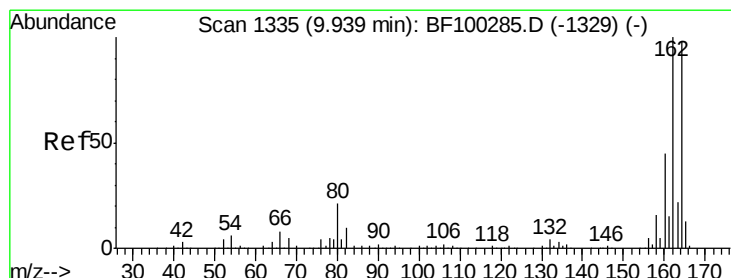
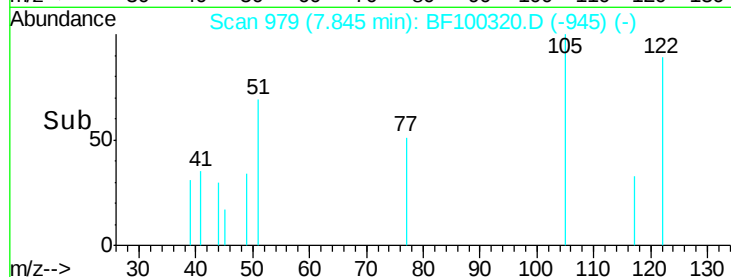
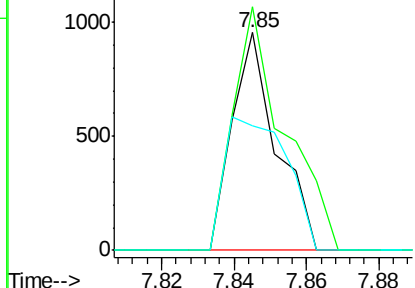


#32
Benzoic acid
Concen: 9.46 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.10 min
Lab File: BF100320.D
Acq: 9 Nov 2017 4:35

Tot Ion	Ratio	Lower	Upper
122	100		
105	112.0	101.1	141.1
77	57.5	70.7	110.7

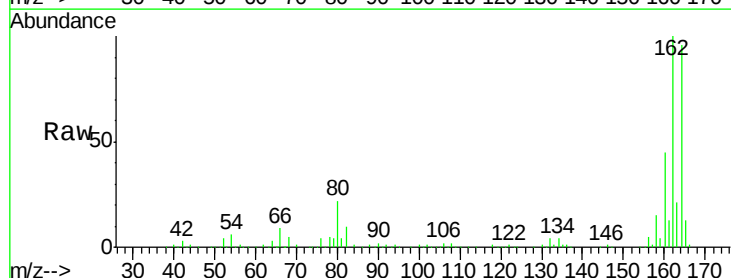


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

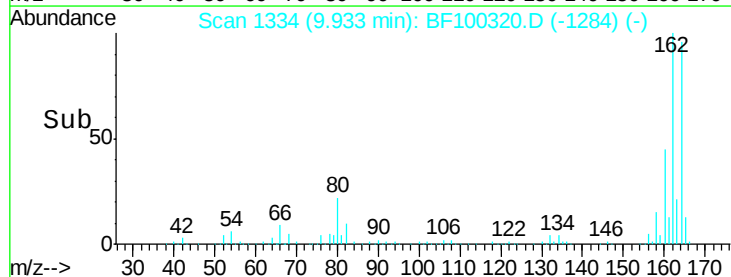
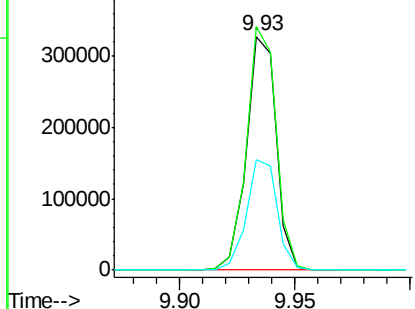


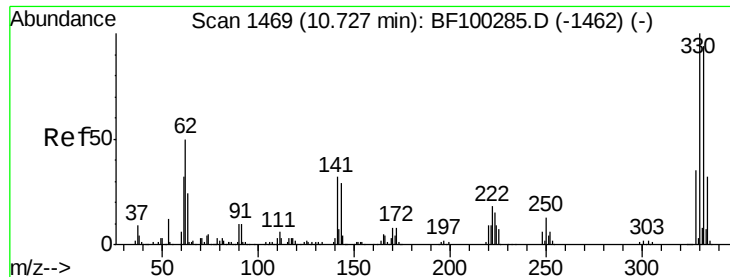
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF100320.D
Acq: 9 Nov 2017 4:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	47.3	38.3	57.5



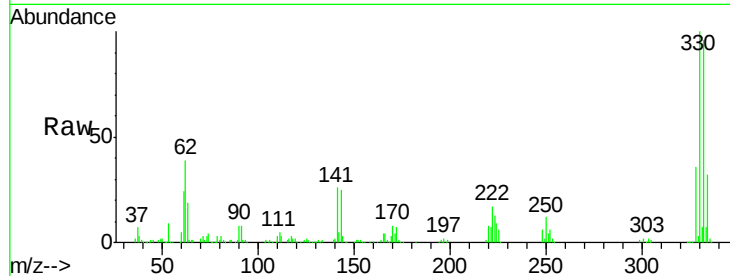
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



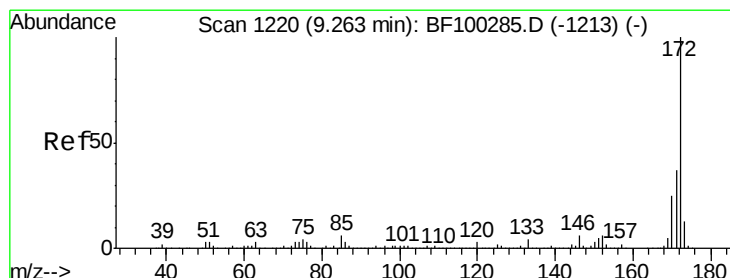
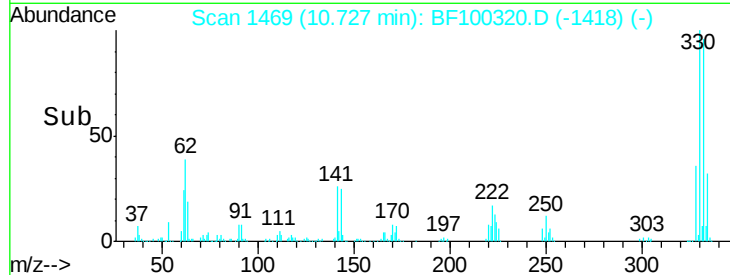
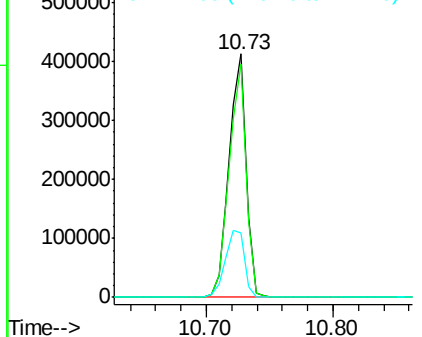


#41
 2,4,6-Tribromophenol
 Concen: 127.74 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: BF100320.D
 Acq: 9 Nov 2017 4:35

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	30.6	29.9	44.9

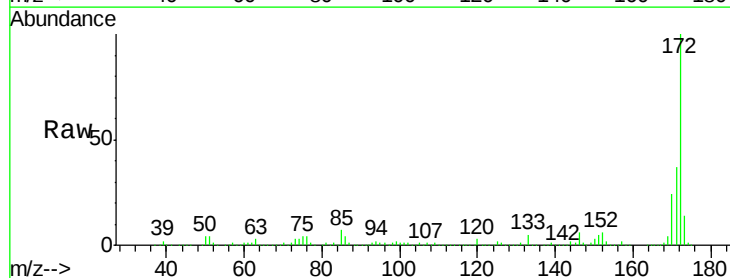


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

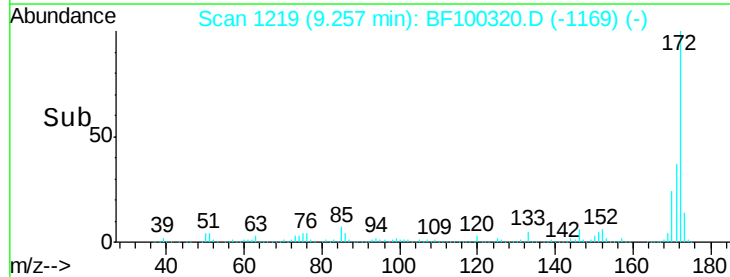
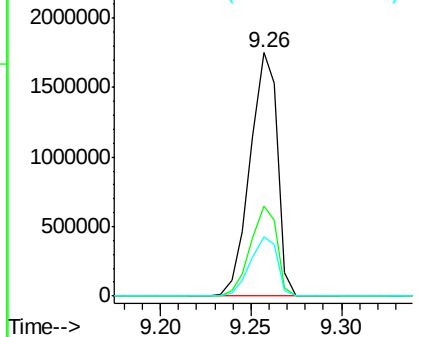


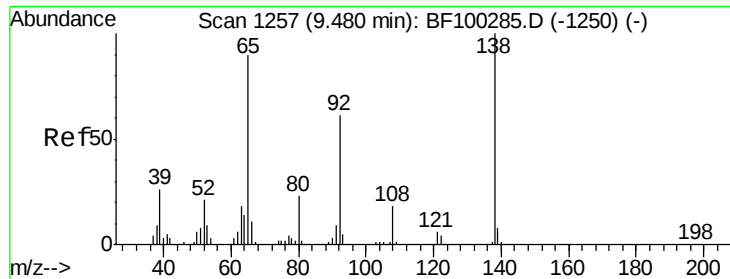
#44
 2-Fluorobiphenyl
 Concen: 94.26 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100320.D
 Acq: 9 Nov 2017 4:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.5	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: 3.29 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.22 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

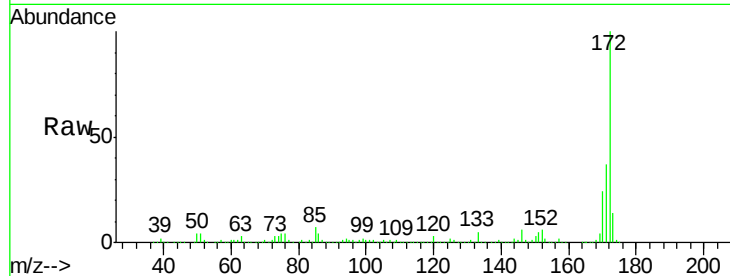
Tot Ion: 65 Resp: 2967

Ion Ratio Lower Upper

65 100

92 221.9 55.8 83.6#

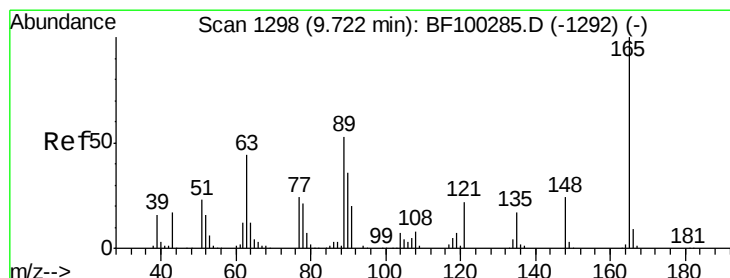
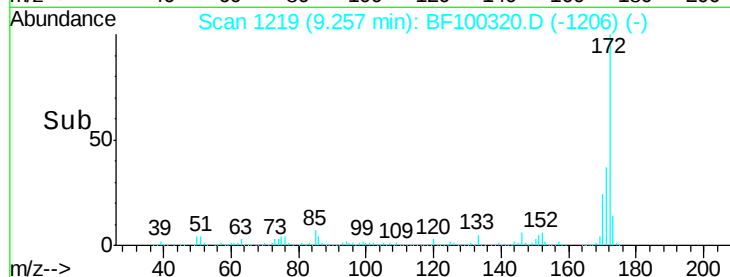
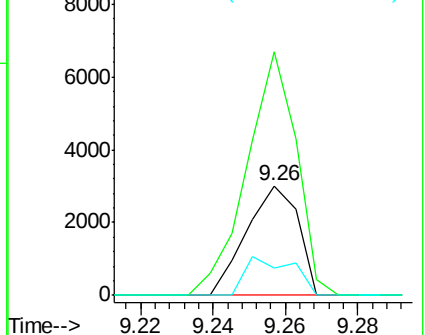
138 24.7 91.2 136.8#



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): BF1



#50

2,6-Dinitrotoluene

Concen: 8.39 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.21 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

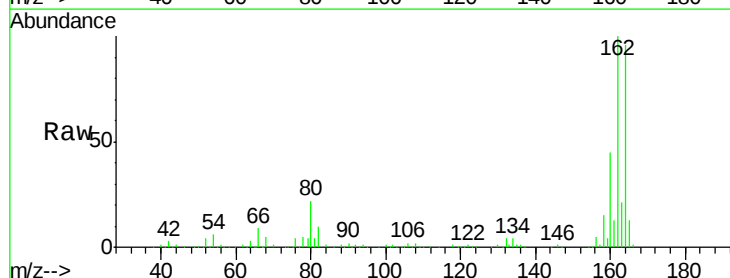
Tgt Ion: 165 Resp: 37568

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

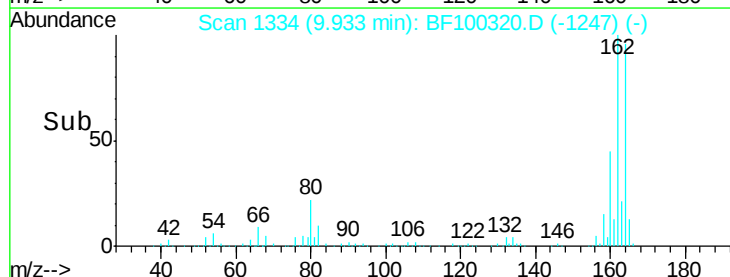
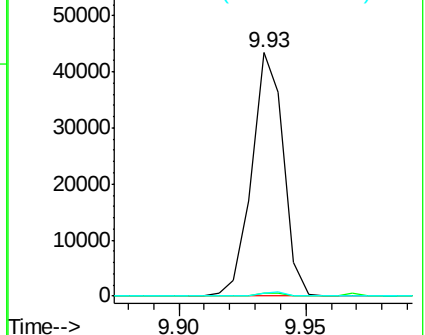
89 1.1 44.0 66.0#

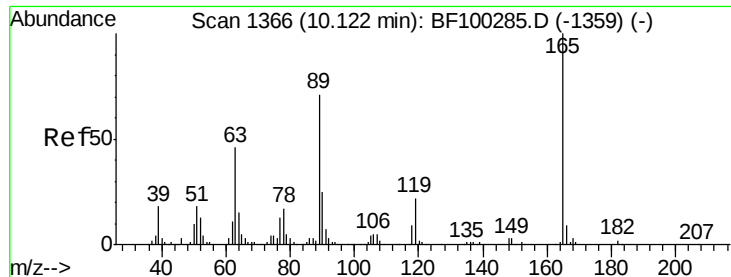


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

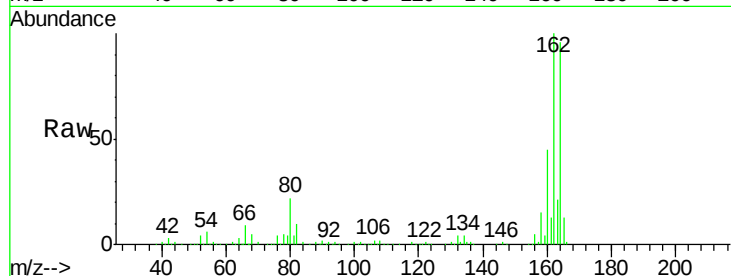
Ion 89.00 (88.70 to 89.70): BF1





#56
2,4-Dinitrotoluene
Concen: 6.65 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.19 min
Lab File: BF100320.D
Acq: 9 Nov 2017 4:35

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

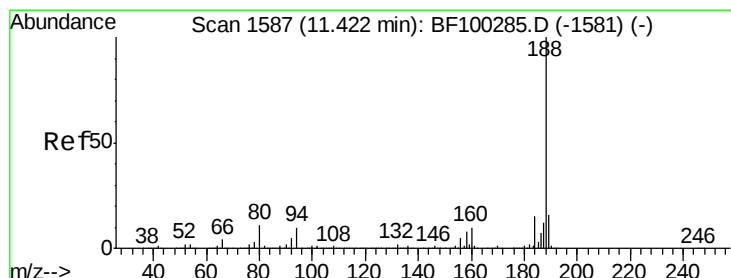
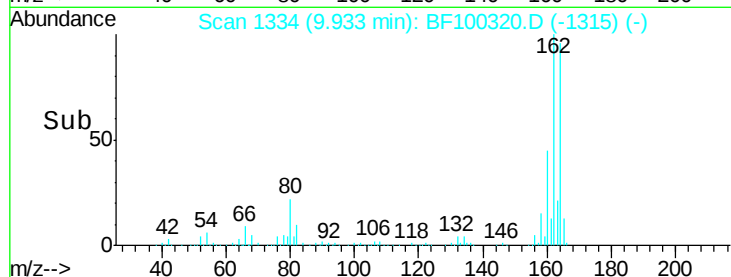
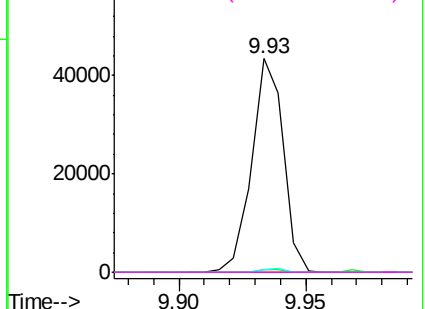


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

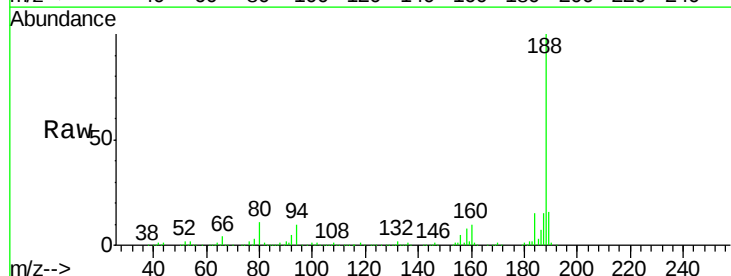
Ion 89.00 (88.70 to 89.70): BF1

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: BF100320.D
Acq: 9 Nov 2017 4:35

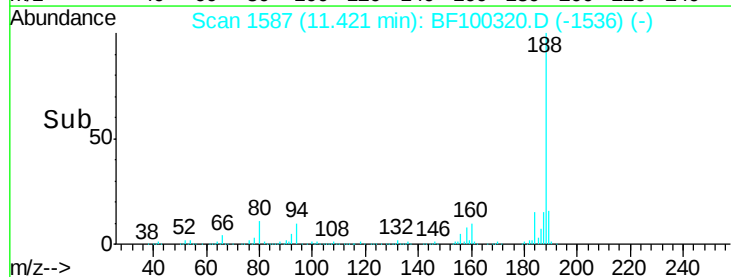
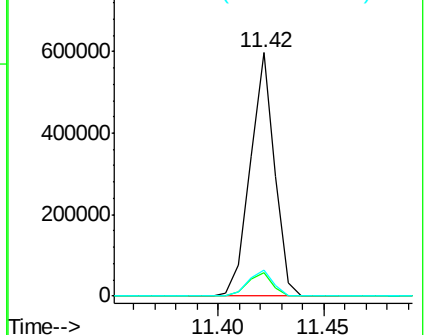
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.6	9.2	13.8

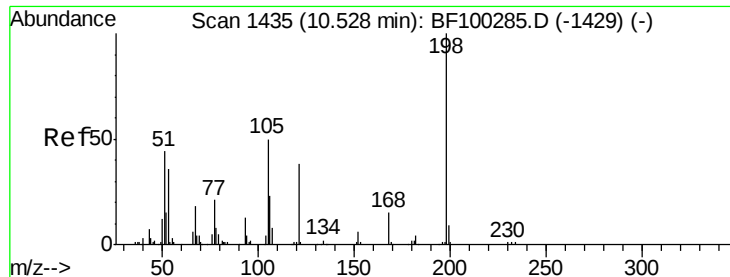


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.86 ng

RT: 10.73 min Scan# 1469

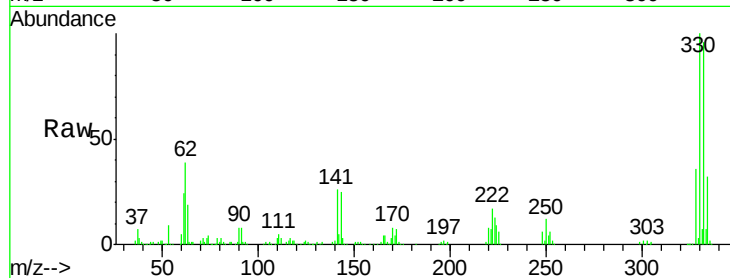
Delta R.T. 0.20 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

Tot Ion:198 Resp: 849

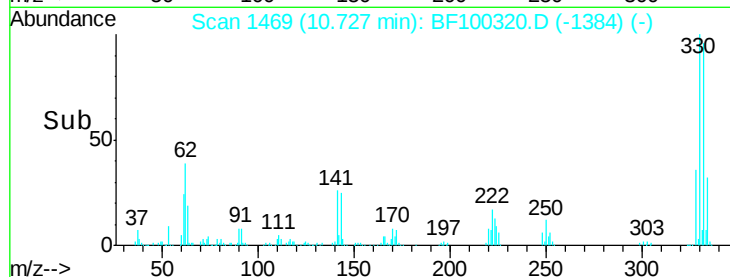
Ion	Ratio	Lower	Upper
198	100		
51	171.9	37.7	77.7#
105	141.8	36.3	76.3#



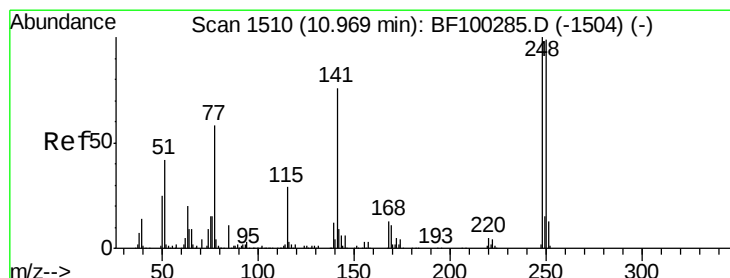
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 4.58 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

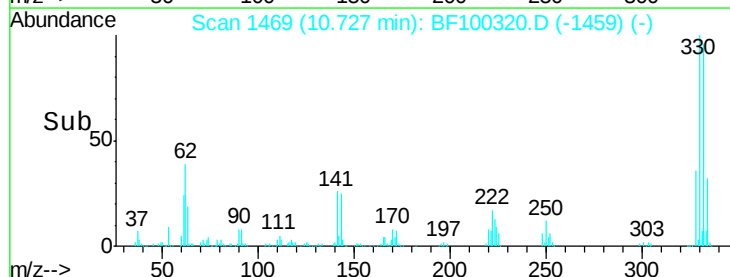
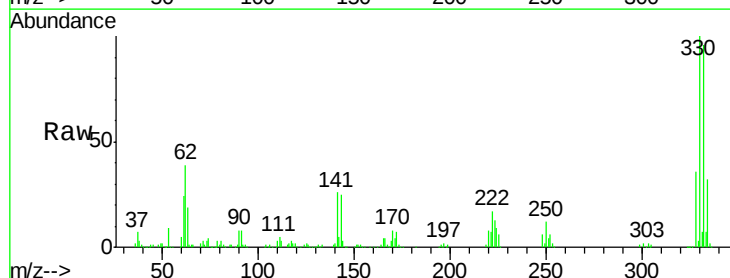
Tgt Ion:248 Resp: 23437

Ion	Ratio	Lower	Upper
248	100		
250	195.2	76.9	115.3#
141	434.4	74.4	111.6#

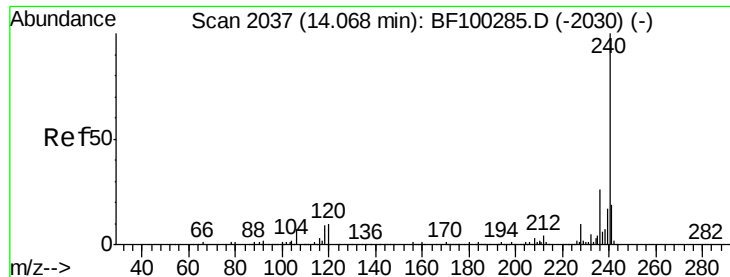
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

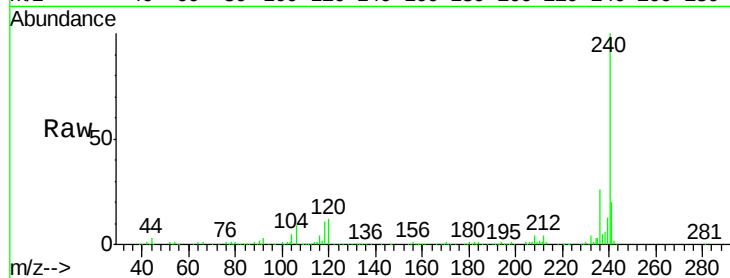
Tot Ion:240 Resp: 355686

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

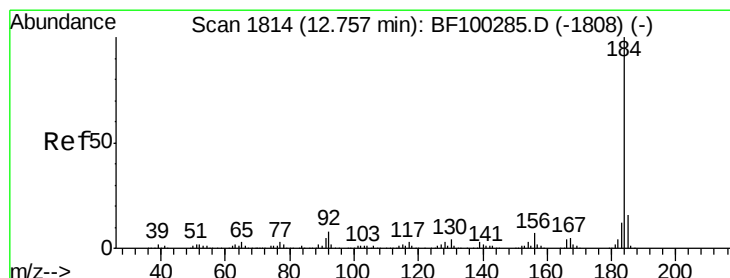
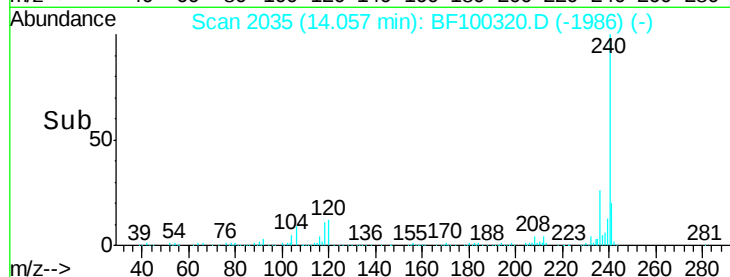
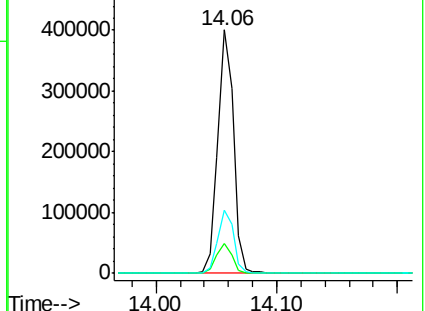
236 26.1 20.7 31.1



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: 5.45 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

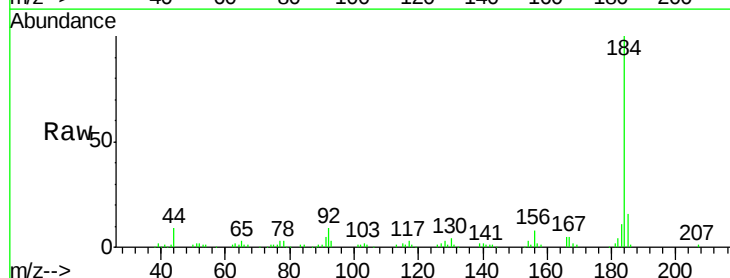
Tgt Ion:184 Resp: 77612

Ion Ratio Lower Upper

184 100

185 16.1 12.6 18.8

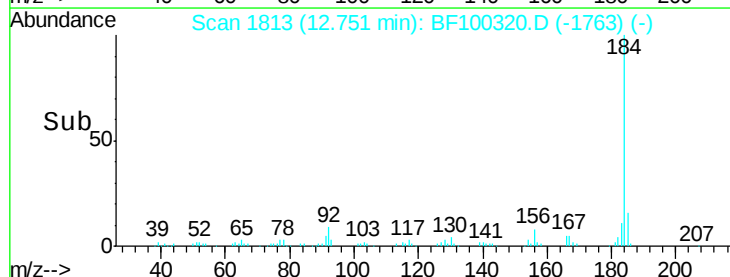
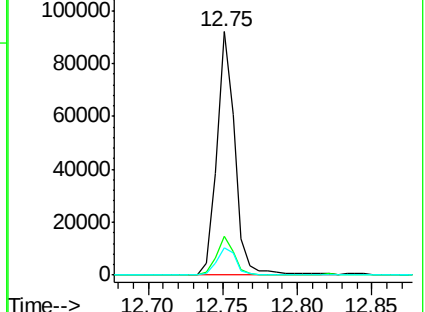
183 11.2 9.3 13.9

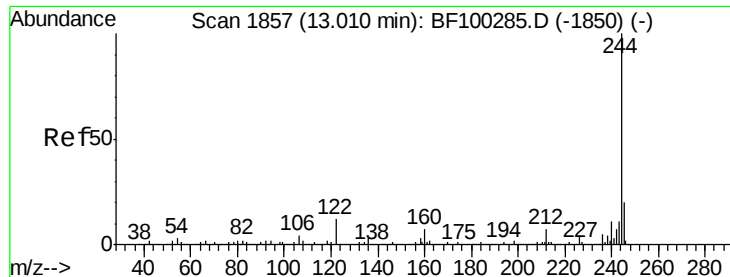


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.75 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

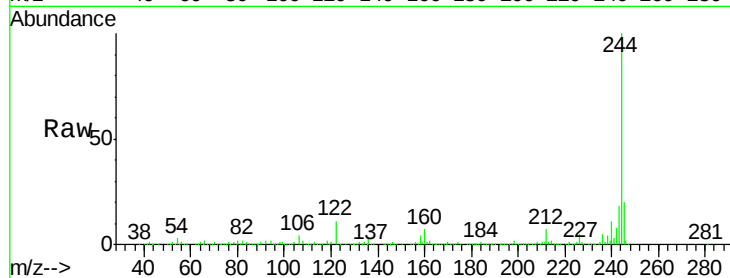
Tot Ion:244 Resp: 1435718

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.5	11.0	16.4

244 100

212 7.1 5.4 8.0

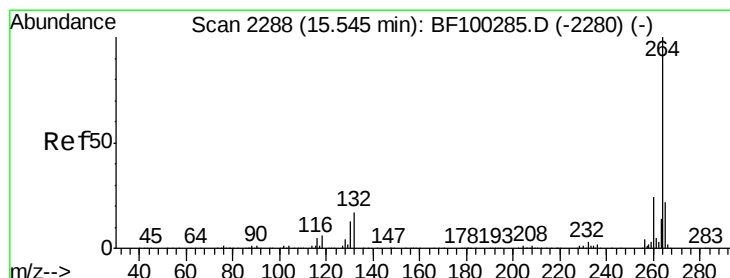
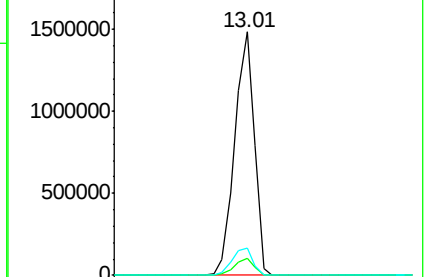
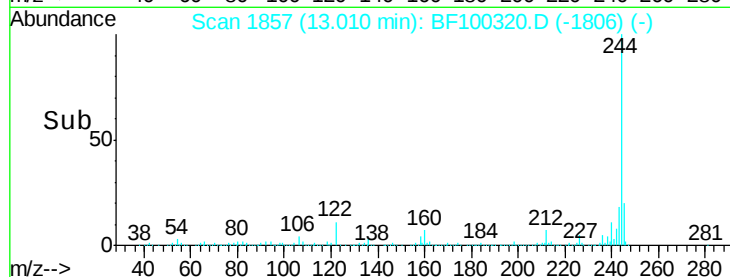
122 11.5 11.0 16.4



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

Perylene-d12

Concen: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF100320.D

Acq: 9 Nov 2017 4:35

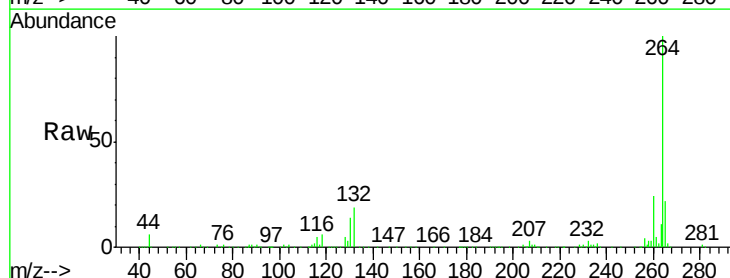
Tgt Ion:264 Resp: 331601

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.1	17.5	26.3

264 100

260 24.4 19.2 28.8

265 22.1 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

