

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094811.D
 Acq On : 3 May 2017 00:40
 Operator : SJ/MA
 Sample : I2923-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 03 03:55:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	97634	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	387553	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	189169	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	344437	20.00	ng	0.00
75) Chrysene-d12	18.64	240	243179	20.00	ng	-0.01
86) Perylene-d12	20.31	264	198085	20.00	ng	0.00

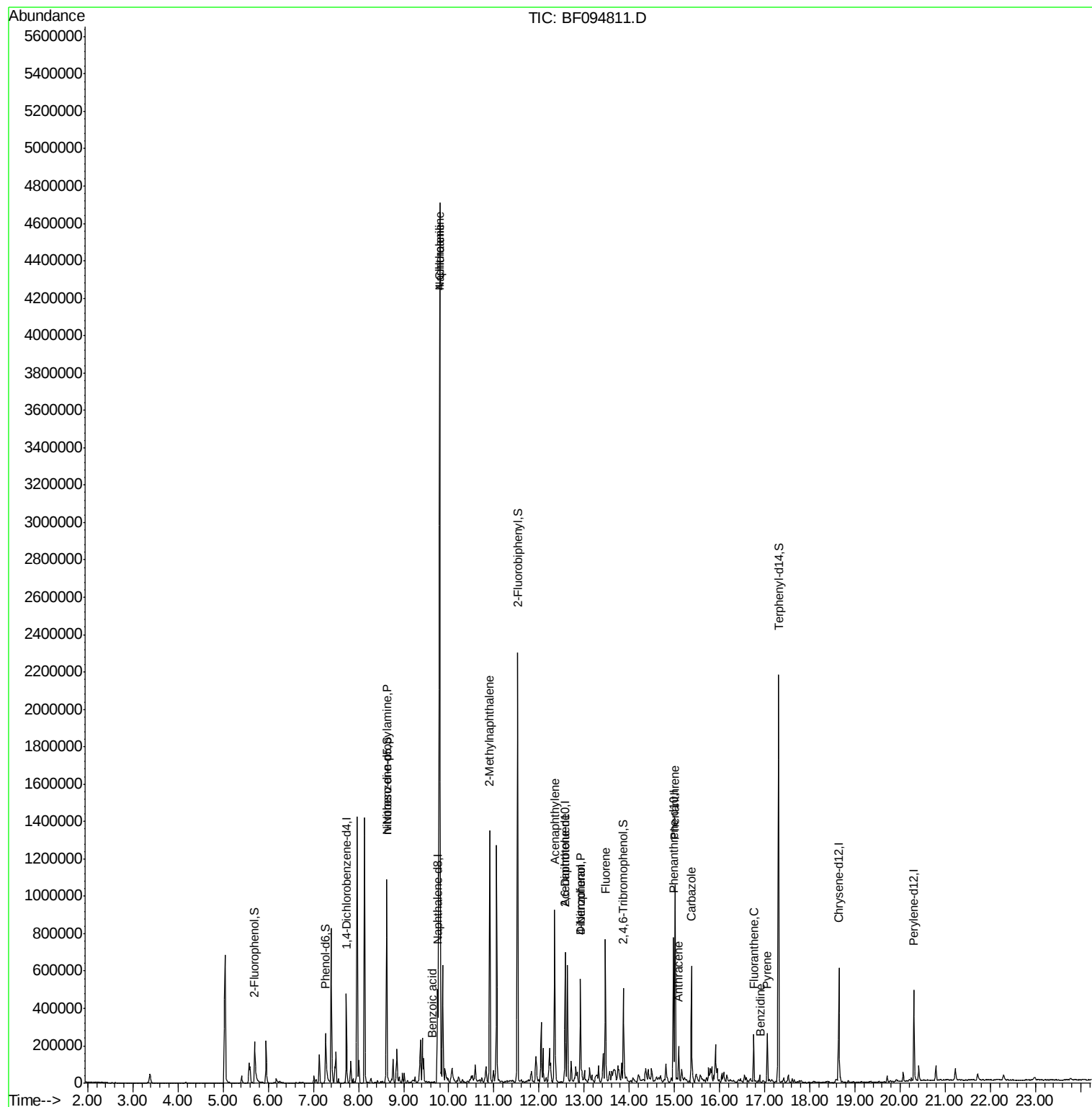
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	129943	22.19	ng	0.02
7) Phenol-d6	7.27	99	170162	24.22	ng	0.00
23) Nitrobenzene-d5	8.62	82	465052	75.67	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	64330	41.52	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	946325	72.00	ng	0.00
78) Terphenyl-d14	17.31	244	814813	73.80	ng	0.00

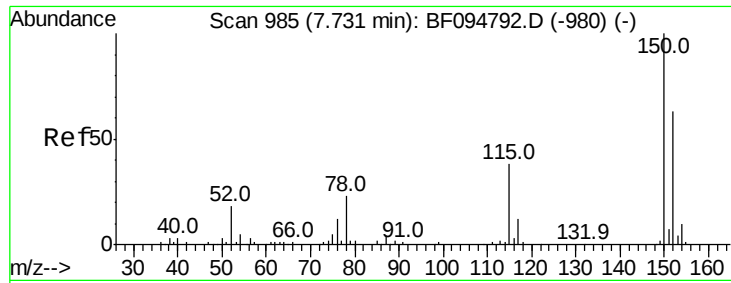
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	60609	12.75	ng	# 75
31) Naphthalene	9.81	128	3771158	193.61	ng	99
32) Benzoic acid	9.63	122	476	5.20	ng	# 26
33) 4-Chloroaniline	9.81	127	516054	71.09	ng	# 34
37) 2-Methylnaphthalene	10.91	142	489925	38.32	ng	99
48) Acenaphthylene	12.34	152	552288	27.42	ng	98
50) 2,6-Dinitrotoluene	12.58	165	21657	6.84	ng	# 33
54) Dibenzofuran	12.92	168	295108	17.73	ng	98
55) 4-Nitrophenol	12.91	139	108846	53.29	ng	# 27
57) Fluorene	13.47	166	277963	19.20	ng	98
70) Phenanthrene	15.01	178	509856	25.76	ng	98
71) Anthracene	15.09	178	92623	4.58	ng	98
72) Carbazole	15.38	167	331779	18.04	ng	97
74) Fluoranthene	16.75	202	124892	6.15	ng	97
76) Benzidine	16.91	184	108	6.60	ng	# 1
77) Pyrene	17.05	202	118996	6.54	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

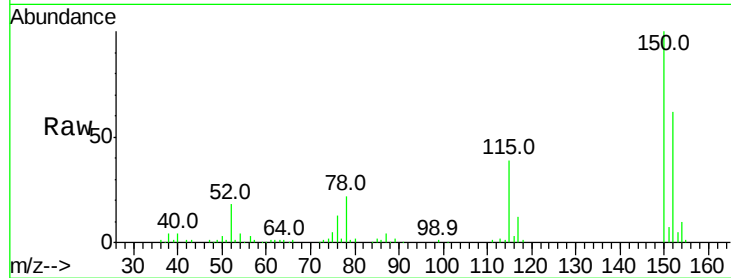
Tot Ion:152 Resp: 97634

Ion Ratio Lower Upper

152 100

150 161.9 126.2 189.2

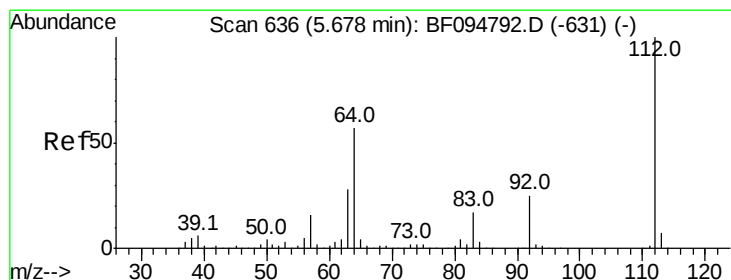
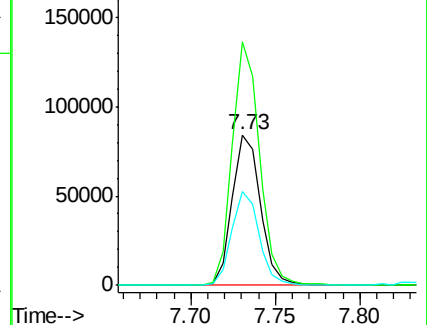
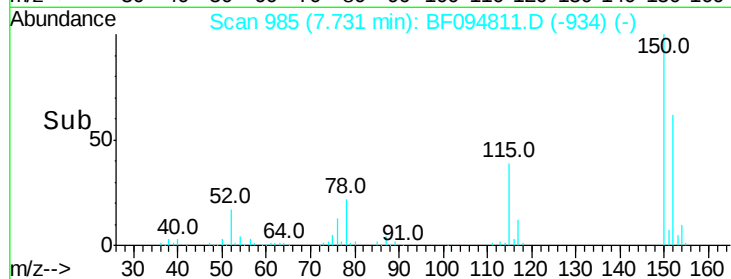
115 62.8 52.2 78.2



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: 22.19 ng

RT: 5.70 min Scan# 640

Delta R.T. 0.02 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

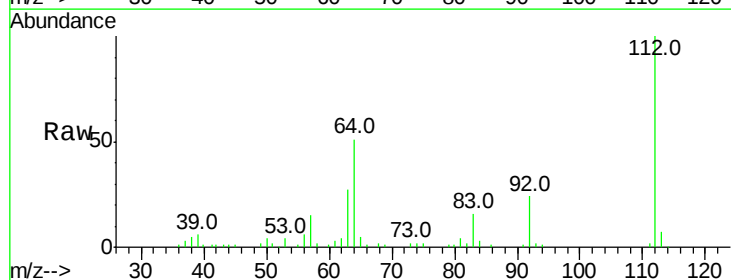
Tgt Ion:112 Resp: 129943

Ion Ratio Lower Upper

112 100

64 51.3 46.0 69.0

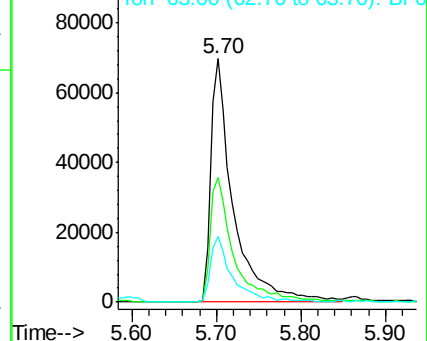
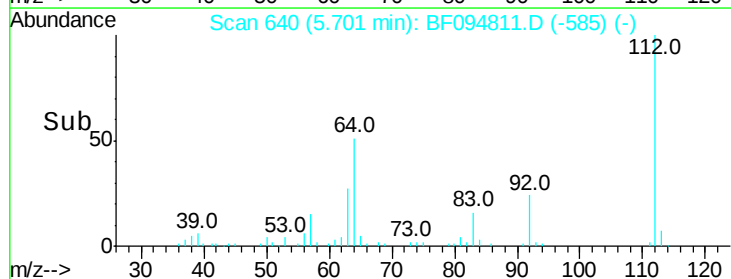
63 26.8 23.4 35.0

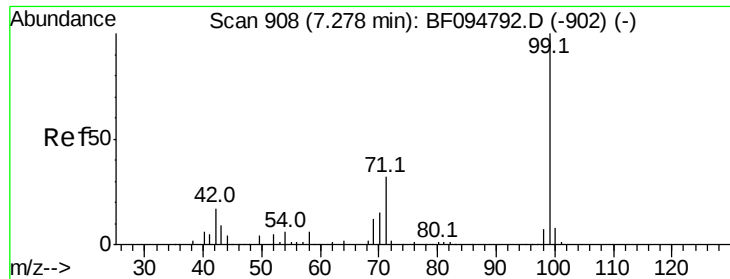


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.22 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

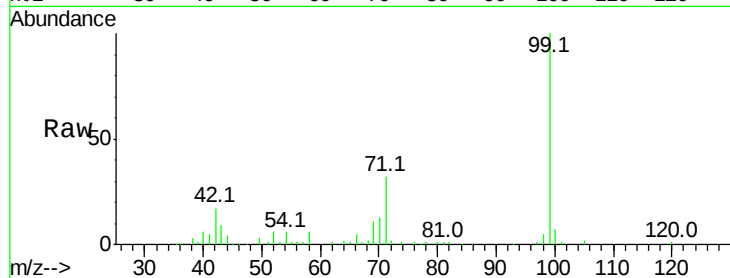
Tot Ion: 99 Resp: 170162

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

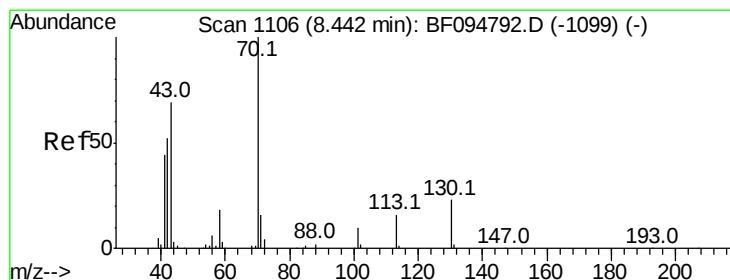
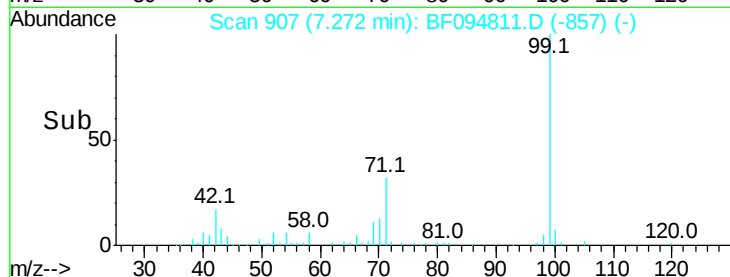
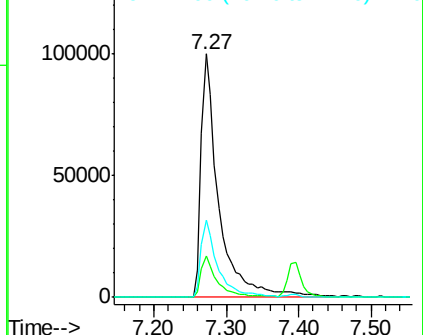
71 31.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.75 ng

RT: 8.62 min Scan# 1137

Delta R.T. 0.18 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

Tgt Ion: 70 Resp: 60609

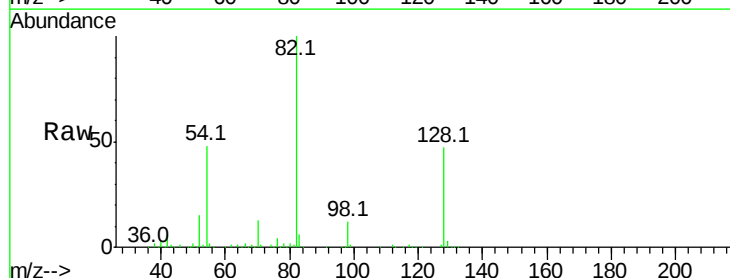
Ion Ratio Lower Upper

70 100

42 43.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

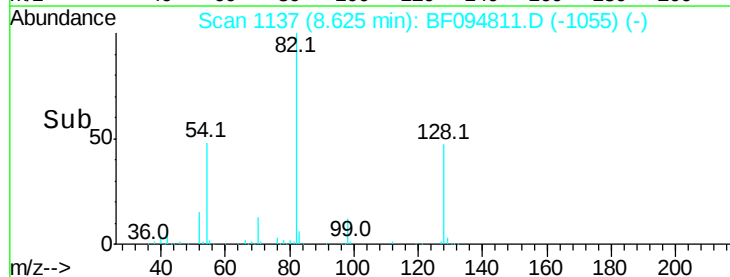
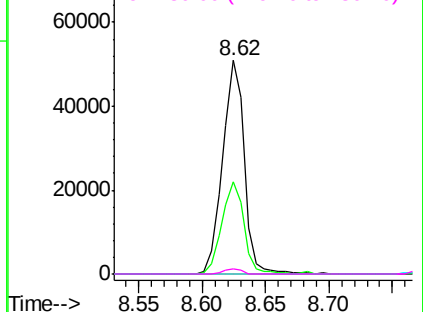


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.75 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

Tot Ion:136 Resp: 387553

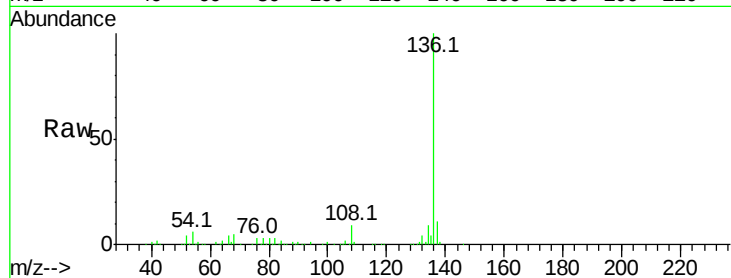
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.4 4.9 7.3

68 5.5 4.1 6.1

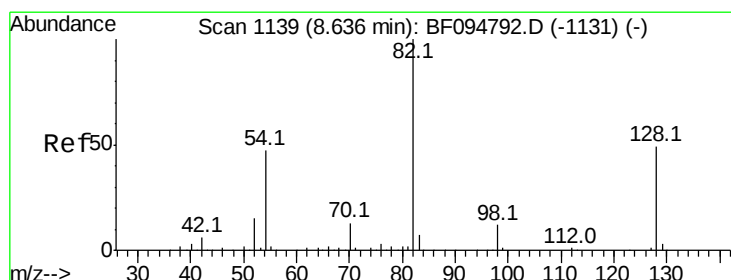
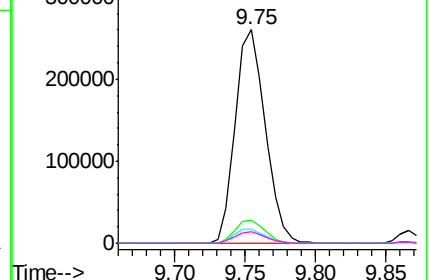
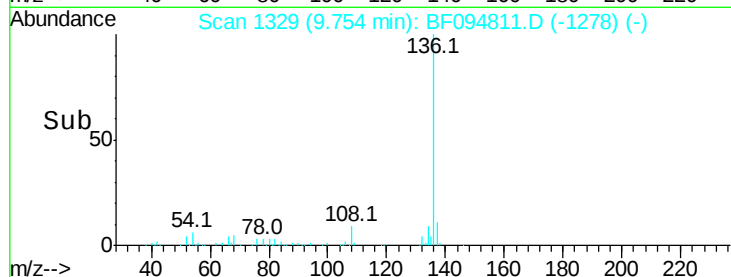


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 75.67 ng

RT: 8.62 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

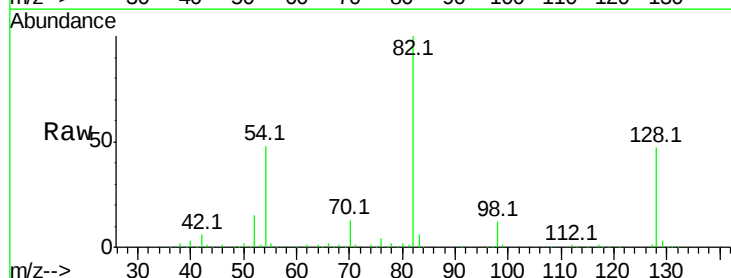
Tgt Ion: 82 Resp: 465052

Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

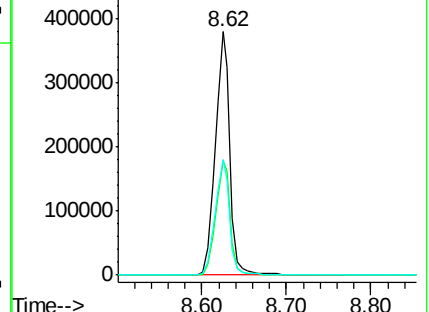
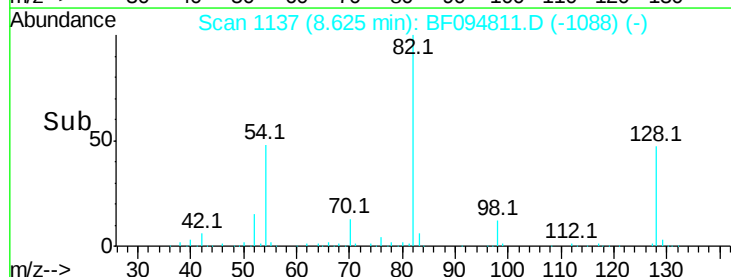
54 47.7 42.2 63.2

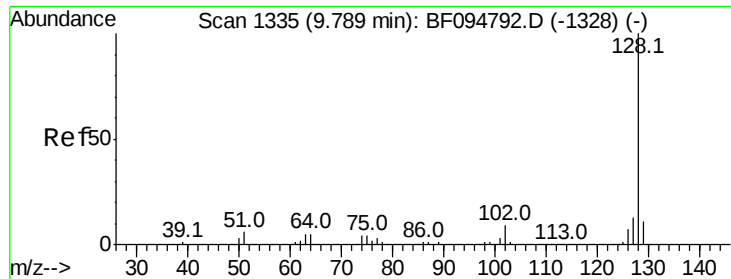


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

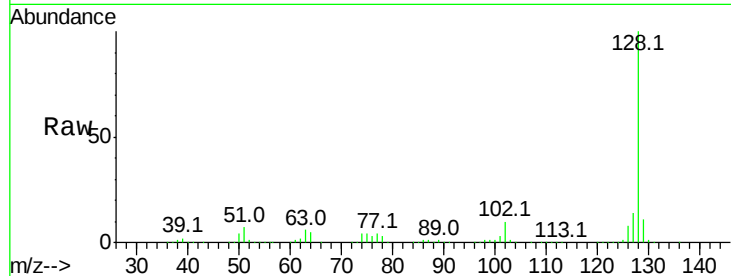
Ion 54.00 (53.70 to 54.70): BF0



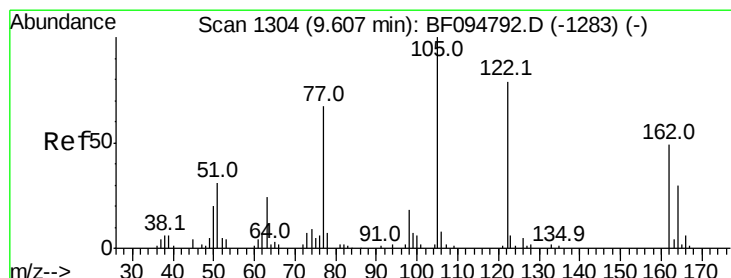
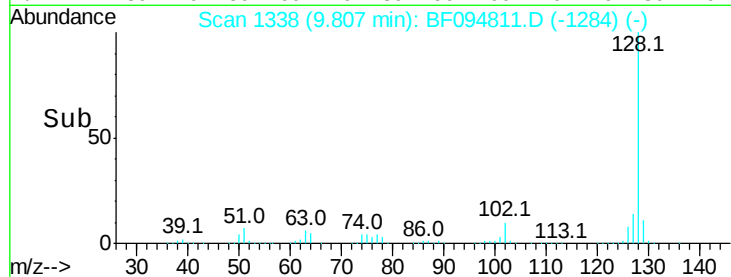
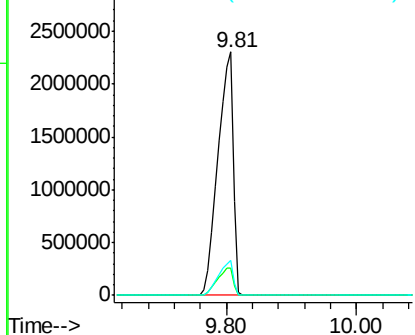


#31
Naphthalene
Concen: 193.61 ng
RT: 9.81 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tot Ion:128 Resp: 3771158
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 14.2 10.8 16.2

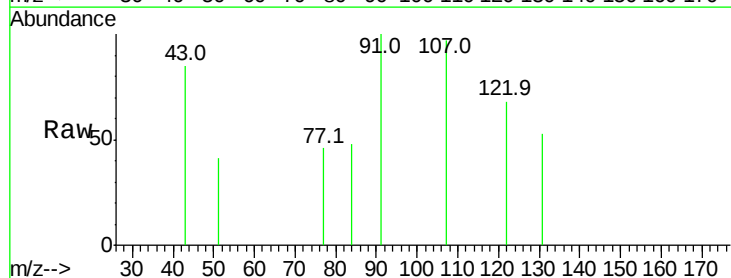


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

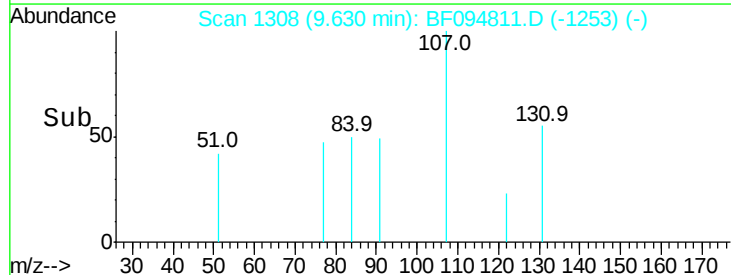
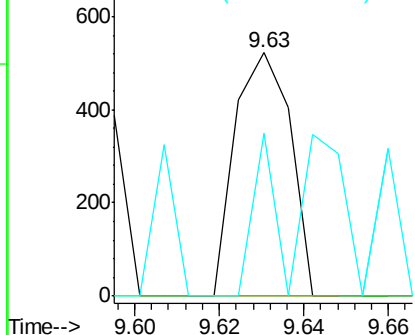


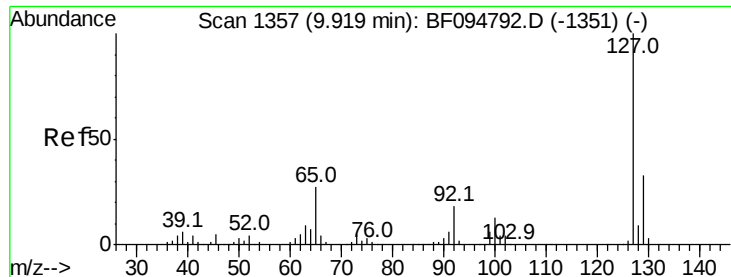
#32
Benzoic acid
Concen: 5.20 ng
RT: 9.63 min Scan# 1308
Delta R.T. 0.02 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tgt Ion:122 Resp: 476
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 67.1 73.7 113.7#



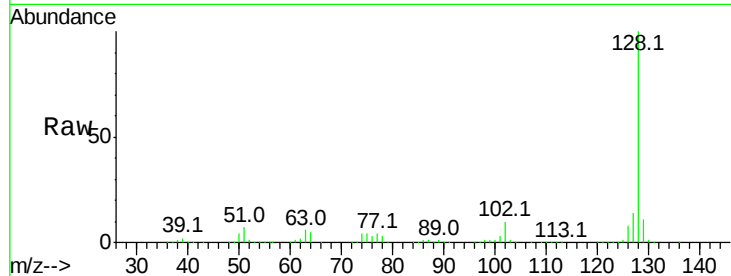
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



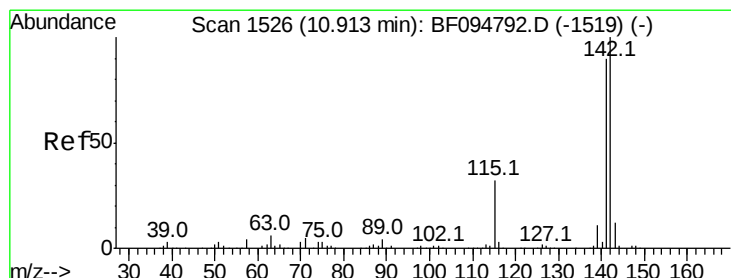
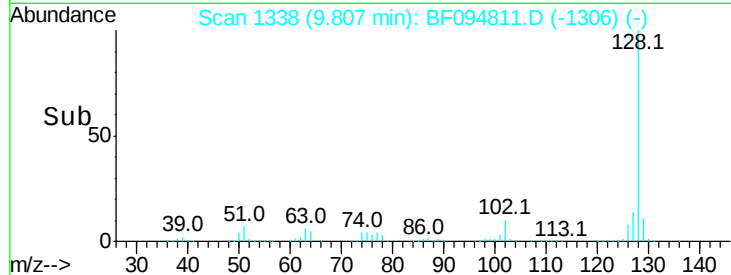
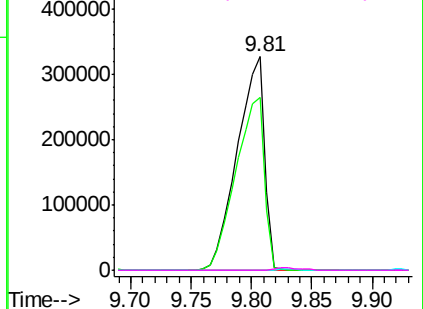


#33
4-Chloroaniline
Concen: 71.09 ng
RT: 9.81 min Scan# 1338
Delta R.T. -0.11 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tot Ion:	127	Resp:	516054
Ion	Ratio	Lower	Upper
127	100		
129	80.7	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

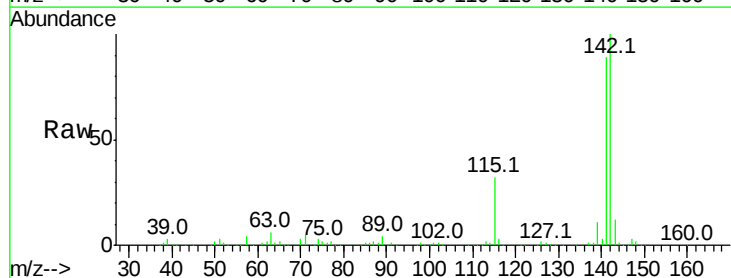


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

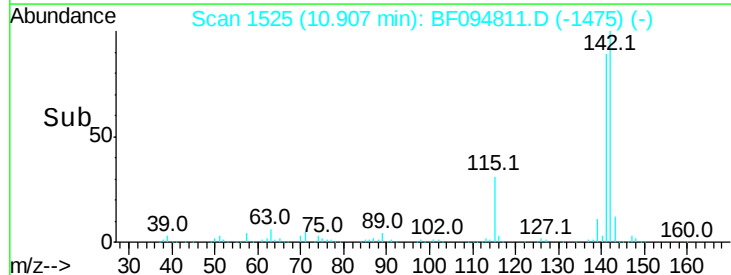
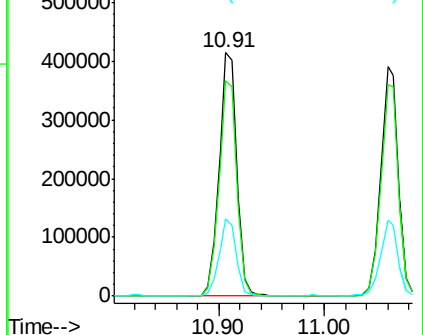


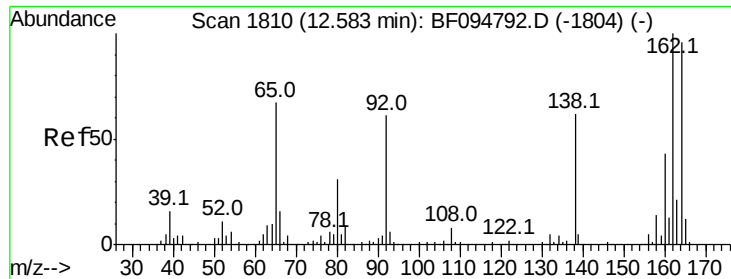
#37
2-Methylnaphthalene
Concen: 38.32 ng
RT: 10.91 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tgt Ion:	142	Resp:	489925
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	31.6	27.1	40.7



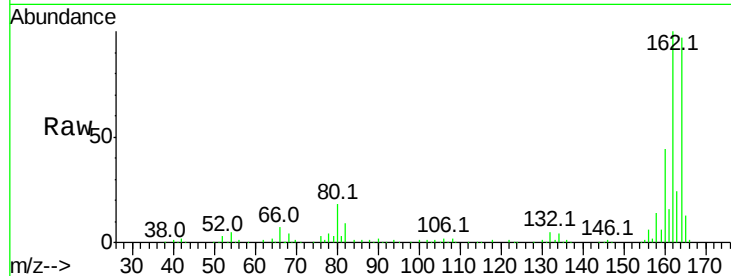
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



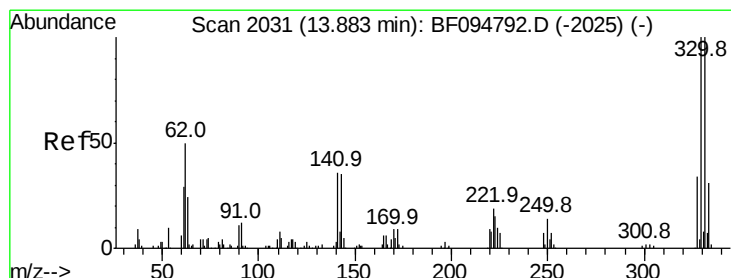
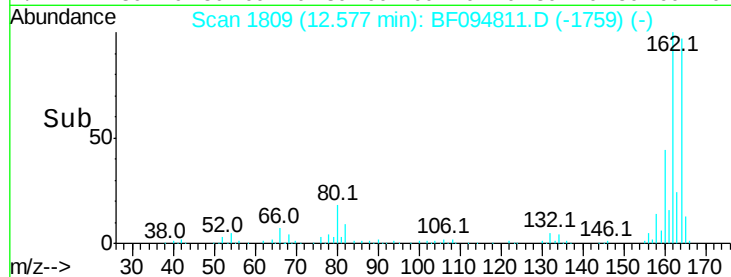
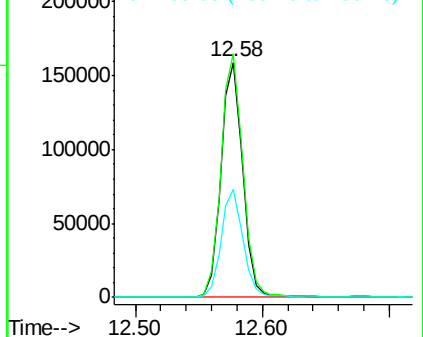


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tot Ion:164 Resp: 189169
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 45.9 36.2 54.2

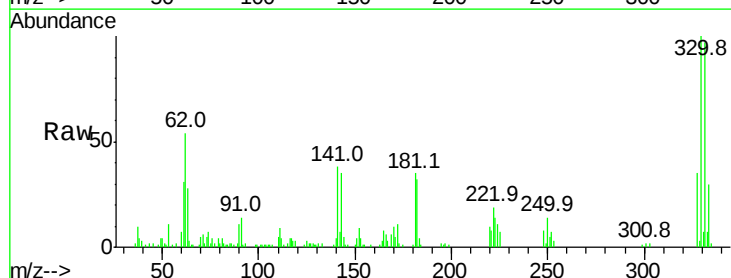


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

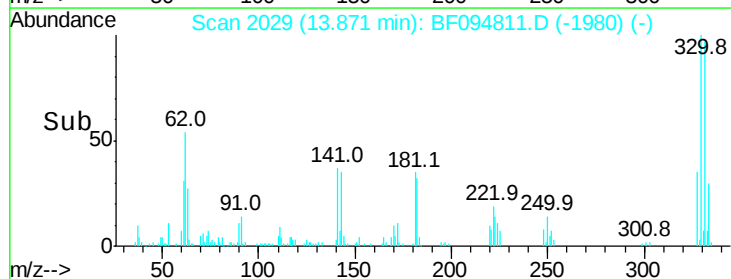
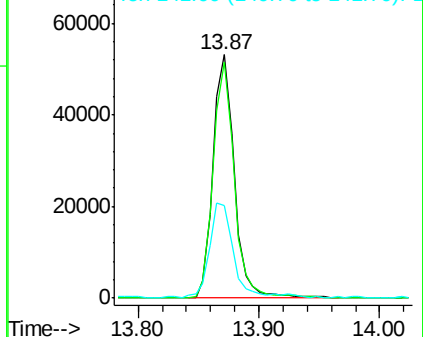


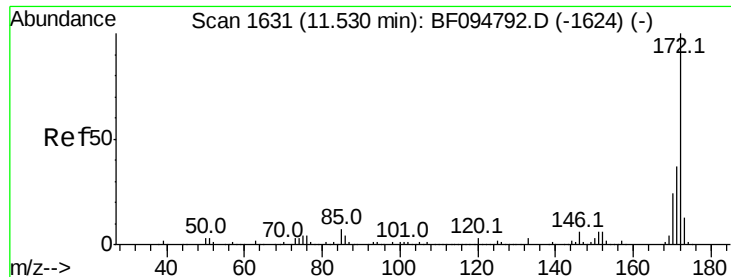
#41
 2,4,6-Tribromophenol
 Concen: 41.52 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tgt Ion:330 Resp: 64330
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 43.5 31.4 47.2



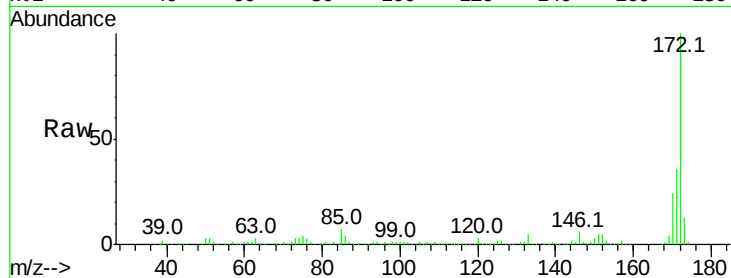
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



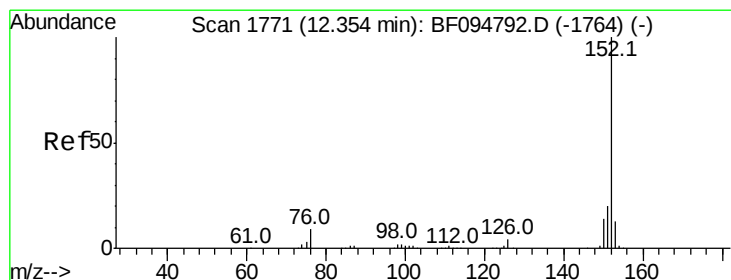
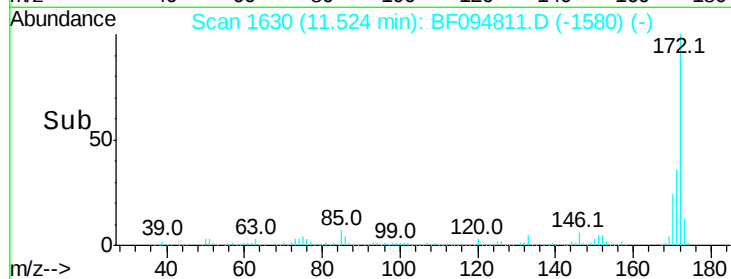
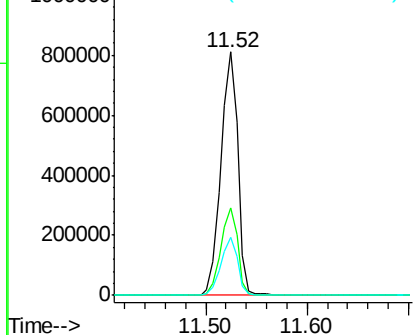


#44
2-Fluorobiphenyl
Concen: 72.00 ng
RT: 11.52 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.0	19.8	29.8

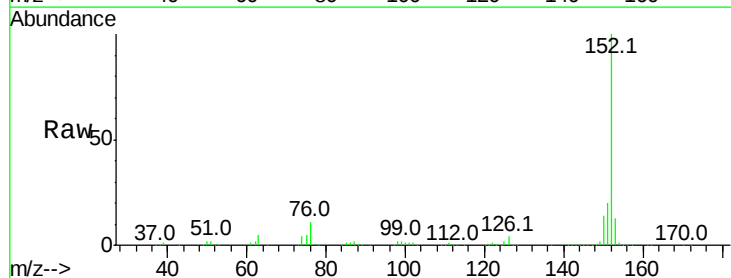


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

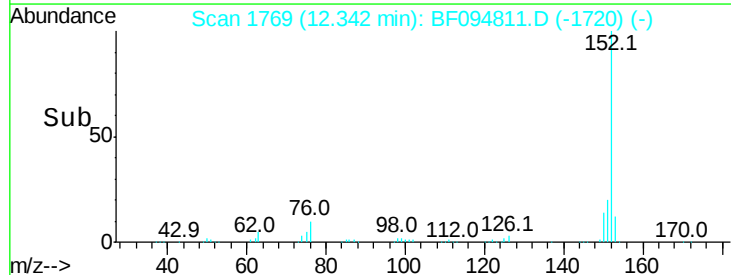
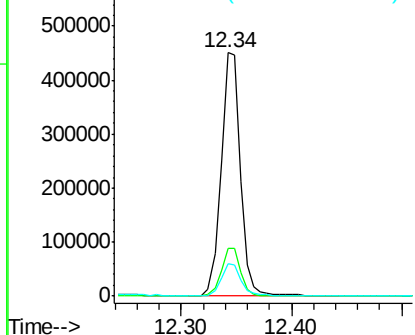


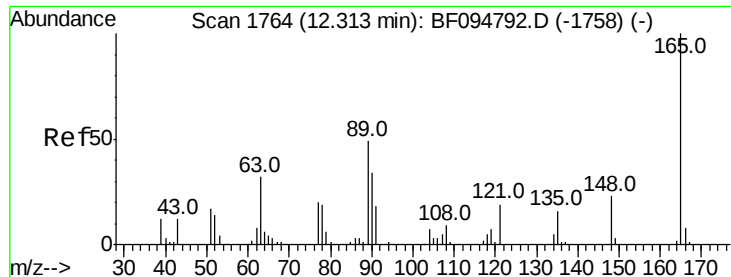
#48
Acenaphthylene
Concen: 27.42 ng
RT: 12.34 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.8	25.2
153	13.3	10.8	16.2



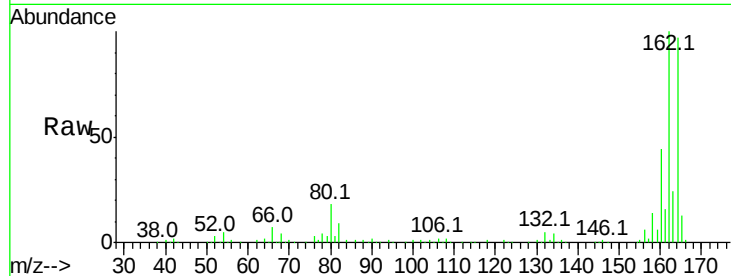
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50
 2,6-Dinitrotoluene
 Concen: 6.84 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. 0.26 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

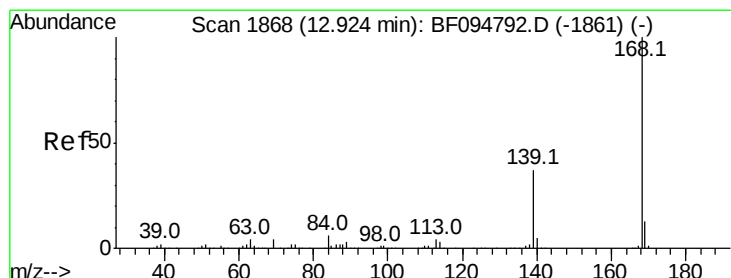
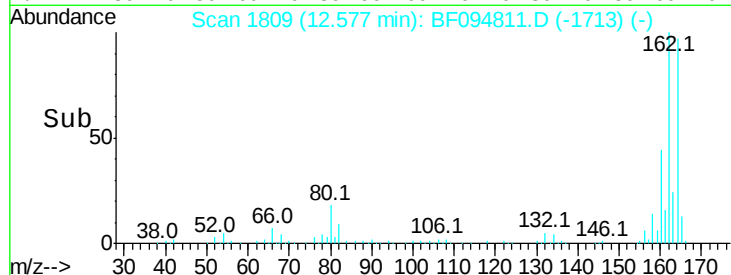
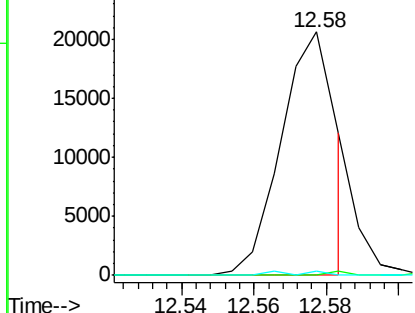
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.5	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

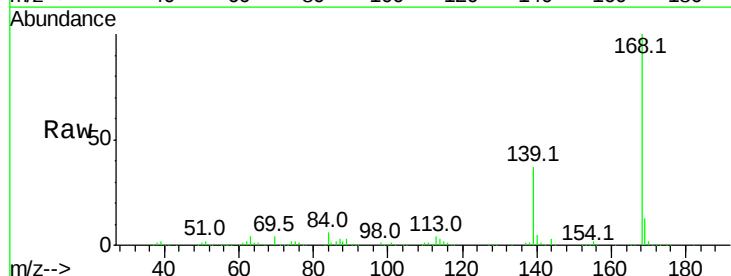
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#54
 Dibenzofuran
 Concen: 17.73 ng
 RT: 12.92 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

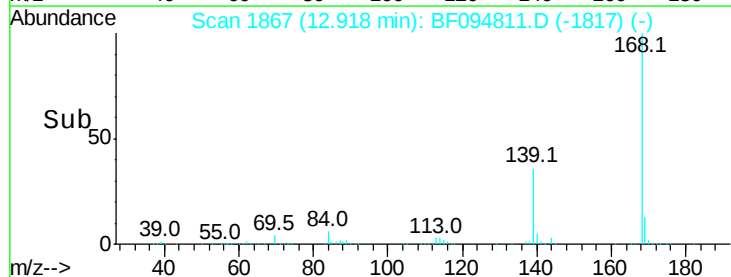
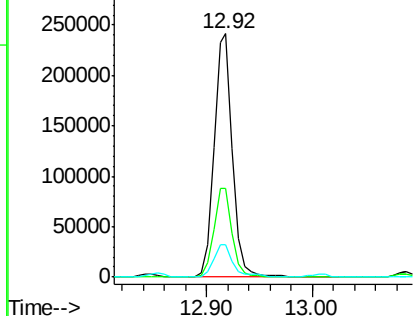
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.6	45.8
169	13.2	10.8	16.2

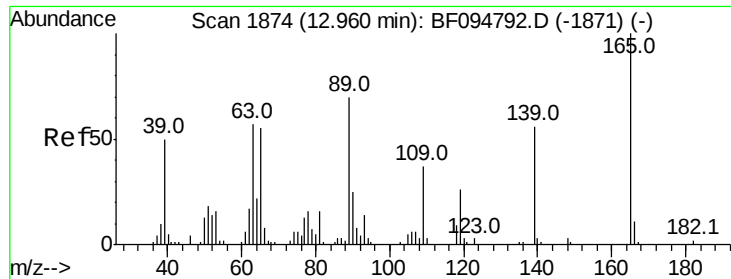


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

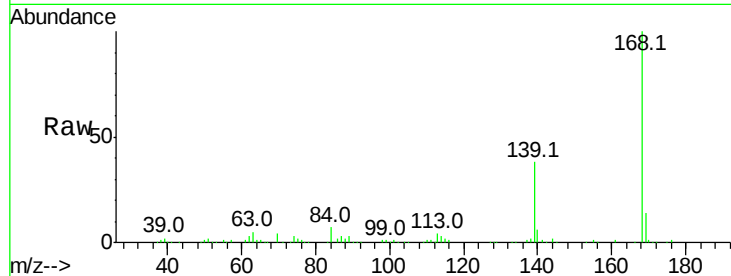
Ion 169.00 (168.70 to 169.70): E



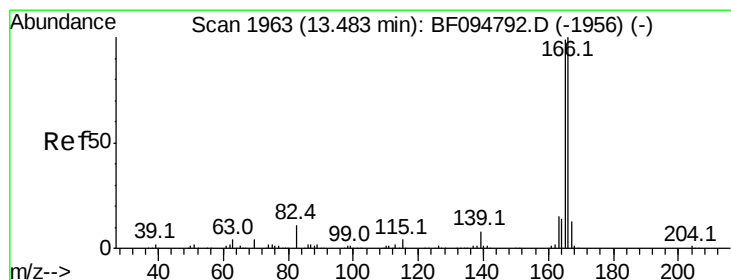
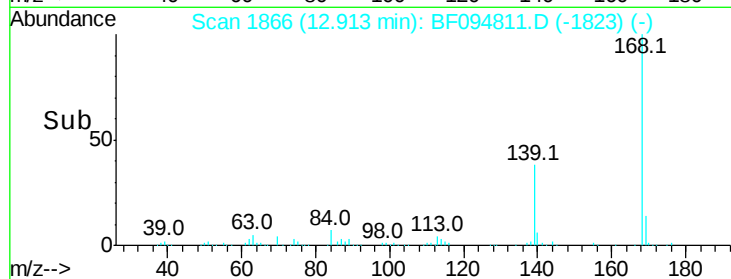
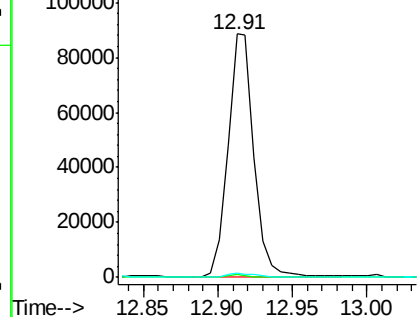


#55
4-Nitrophenol
Concen: 53.29 ng
RT: 12.91 min Scan# 1866
Delta R.T. -0.05 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tot Ion	Ratio	Lower	Upper
139	100		
109	1.0	34.1	74.1#
65	1.7	31.4	71.4#

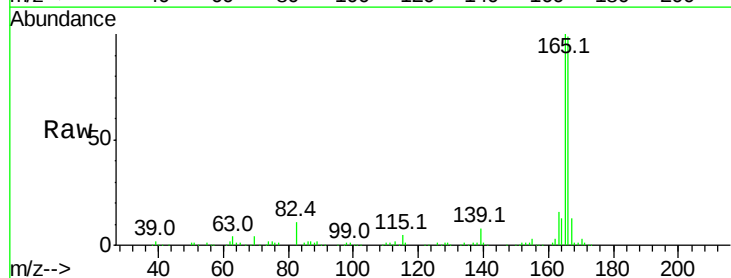


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

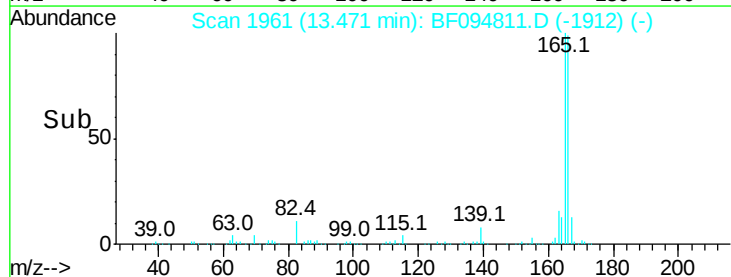
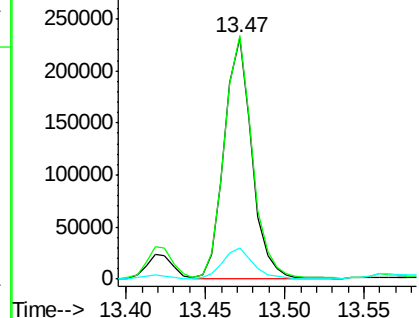


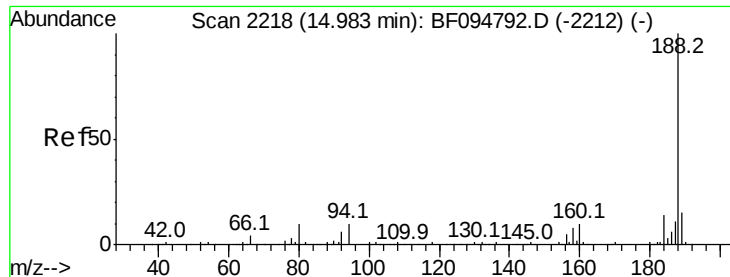
#57
Fluorene
Concen: 19.20 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BF094811.D
Acq: 3 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.8	118.2
167	13.0	10.6	16.0



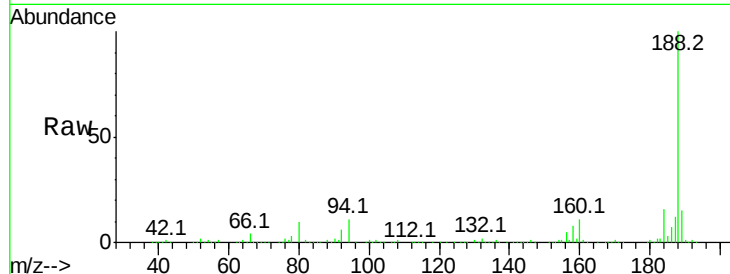
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



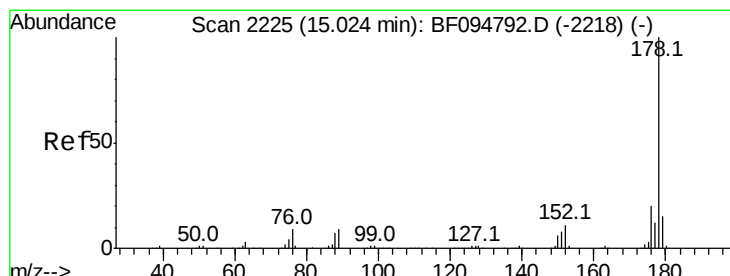
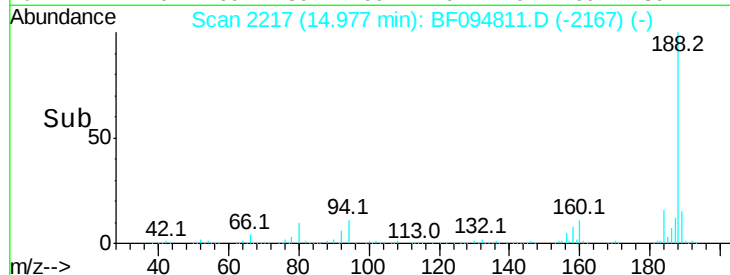
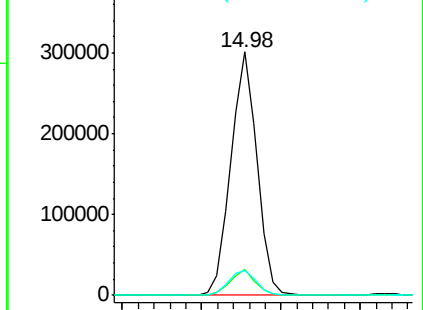


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.98 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	10.2	10.2	15.2

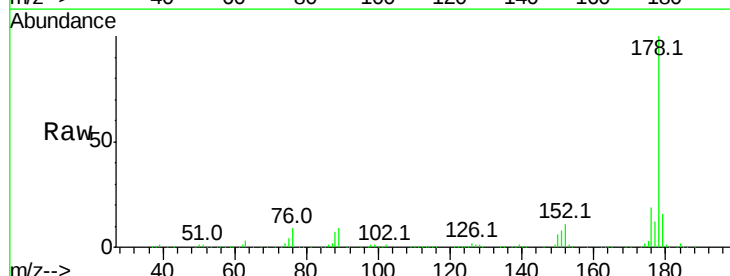


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BFO
 Ion 80.00 (79.70 to 80.70): BFO

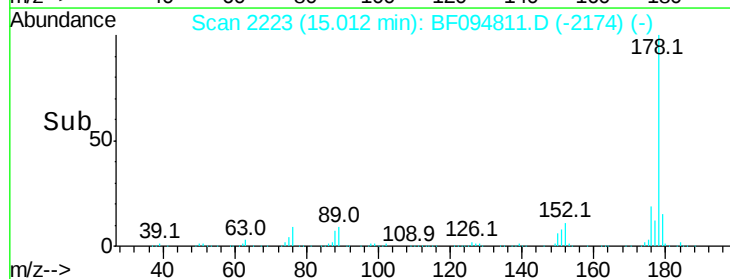
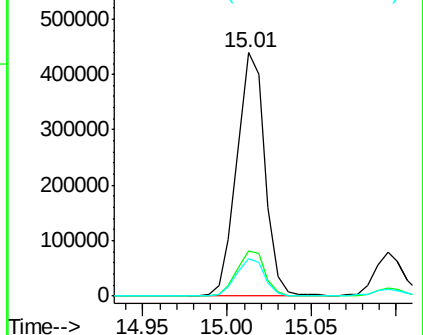


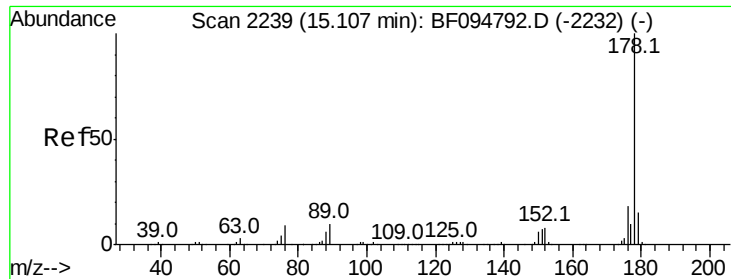
#70
 Phenanthrene
 Concen: 25.76 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.5	12.6	19.0



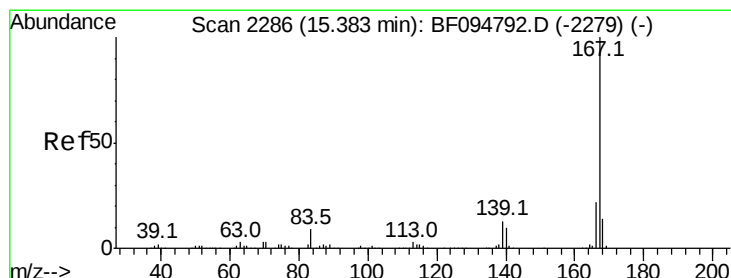
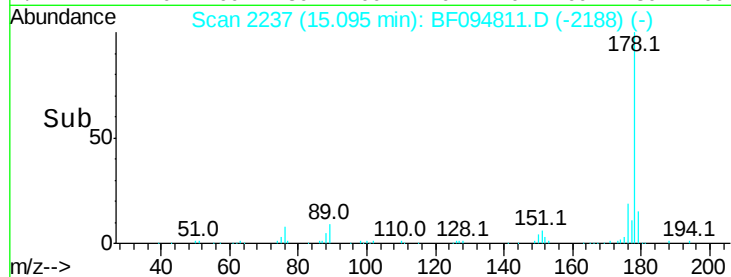
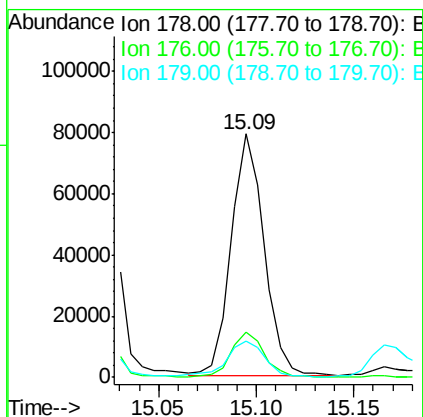
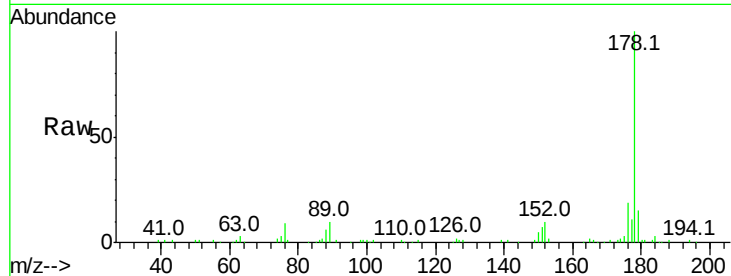
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





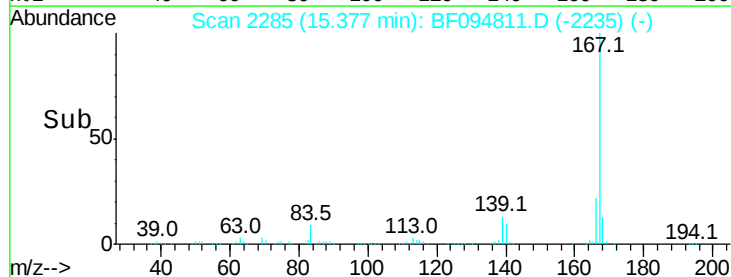
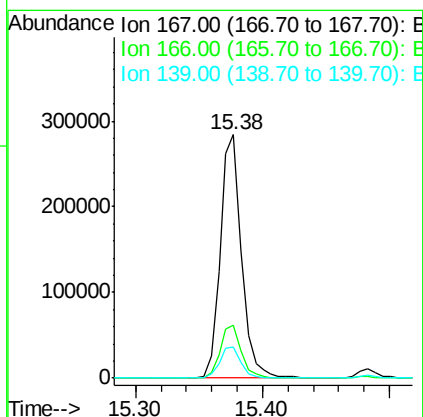
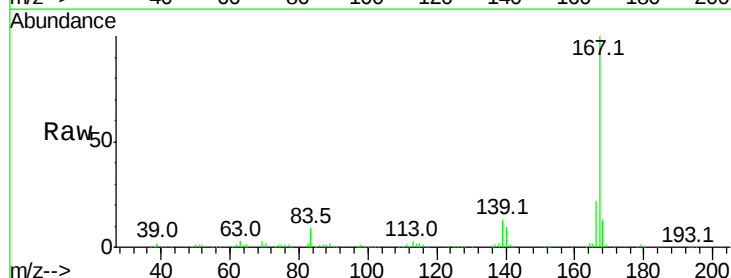
#71
 Anthracene
 Concen: 4.58 ng
 RT: 15.09 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

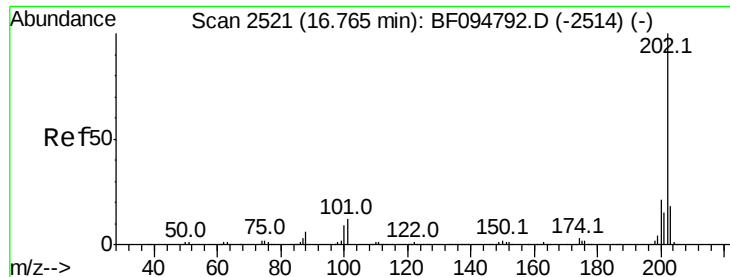
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	12.7	19.1



#72
 Carbazole
 Concen: 18.04 ng
 RT: 15.38 min Scan# 2285
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

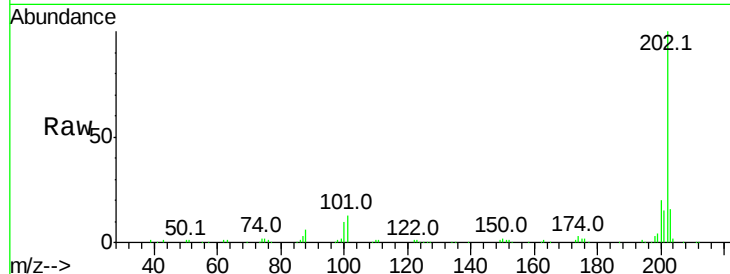
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	12.7	11.7	17.5



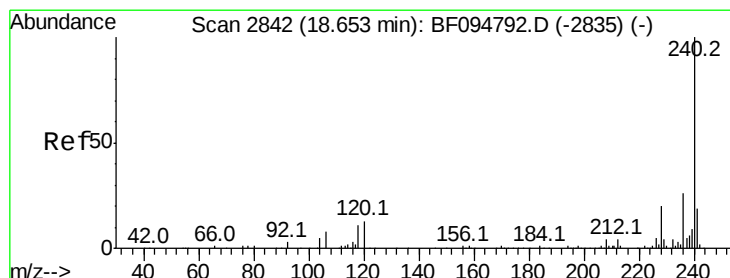
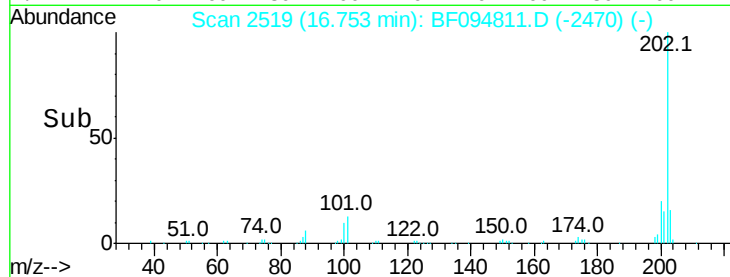
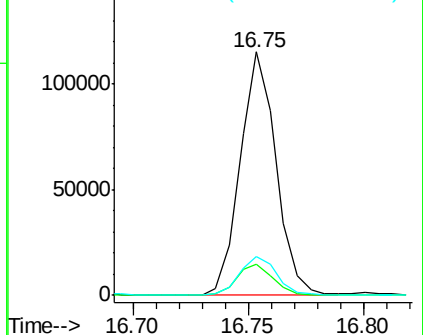


#74
 Fluoranthene
 Concen: 6.15 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tot Ion:	202	Resp:	124892
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	16.1	0.0	38.1

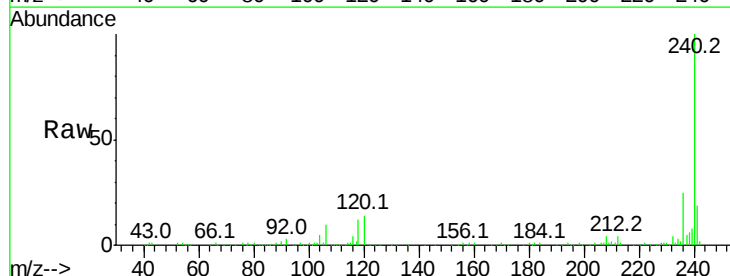


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

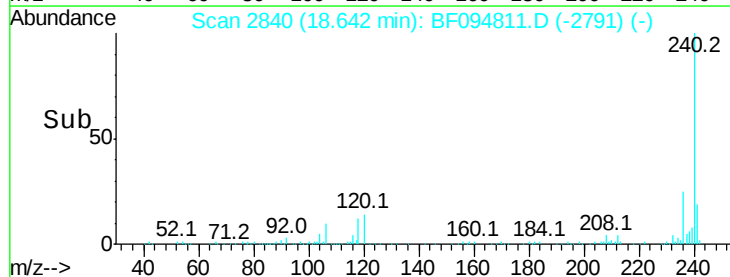
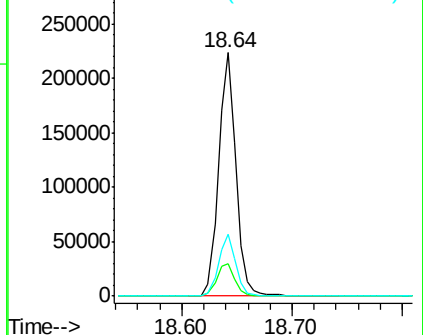


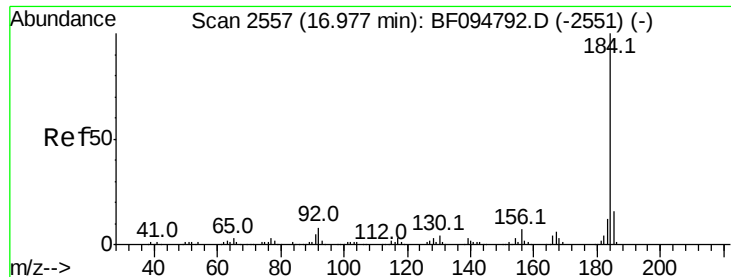
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tgt Ion:	240	Resp:	243179
Ion	Ratio	Lower	Upper
240	100		
120	13.5	5.8	8.8#
236	25.3	20.5	30.7



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: 6.60 ng

RT: 16.91 min Scan# 2545

Delta R.T. -0.07 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

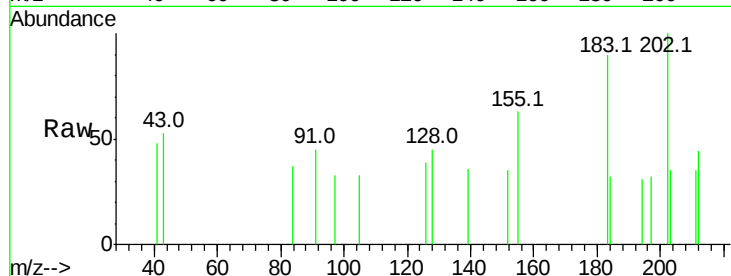
Tot Ion:184 Resp: 108

Ion Ratio Lower Upper

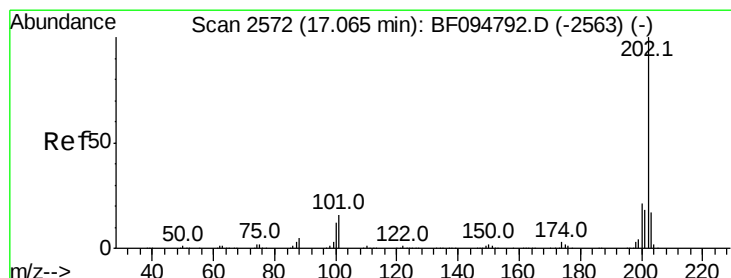
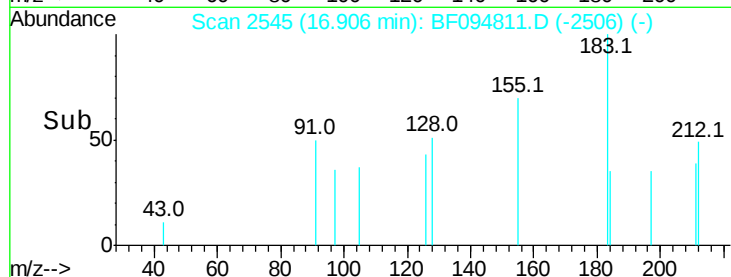
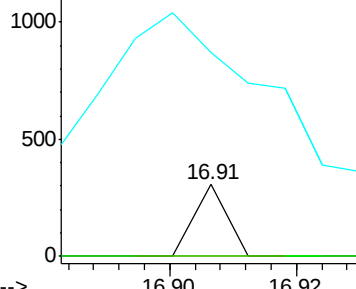
184 100

185 0.0 15.5 23.3#

183 284.0 9.8 14.6#



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



#77

Pyrene

Concen: 6.54 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094811.D

Acq: 3 May 2017 00:40

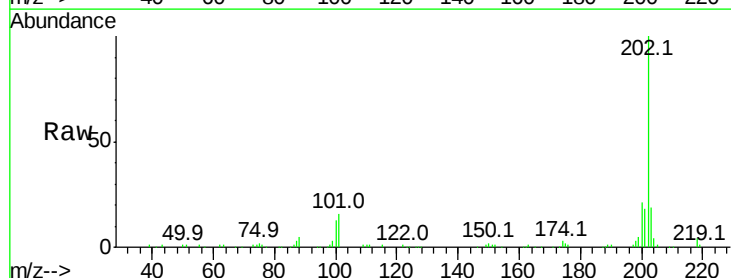
Tgt Ion:202 Resp: 118996

Ion Ratio Lower Upper

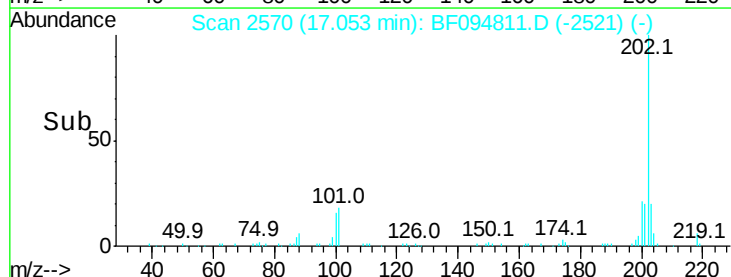
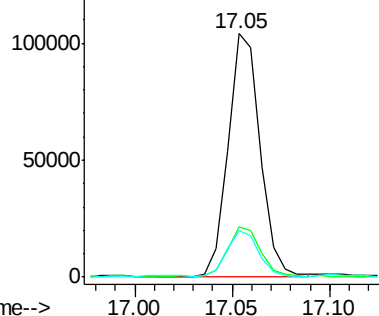
202 100

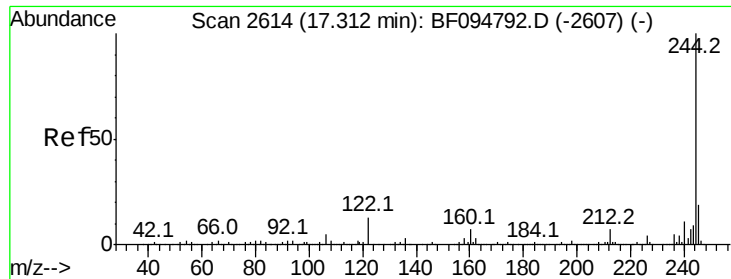
200 20.9 17.6 26.4

203 18.9 14.4 21.6



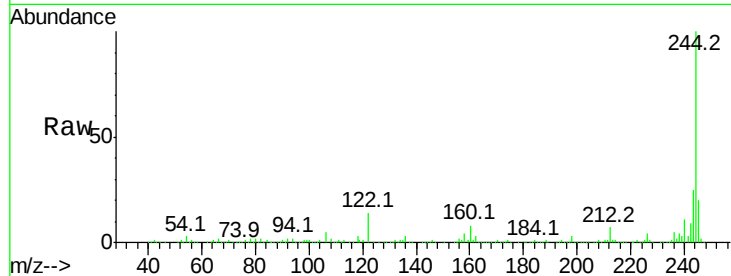
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



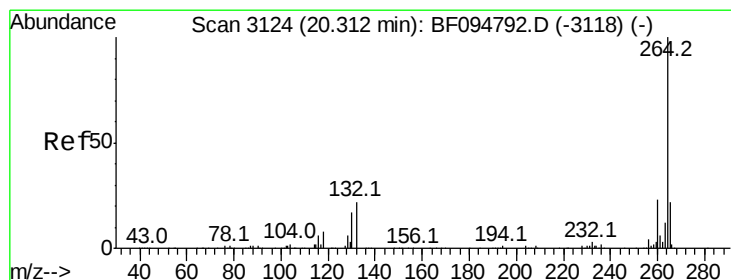
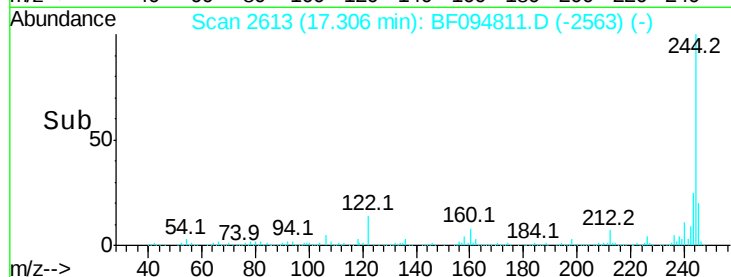
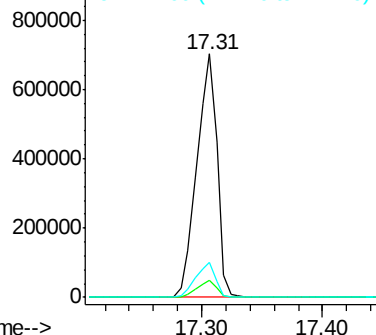


#78
 Terphenyl-d14
 Concen: 73.80 ng
 RT: 17.31 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tot Ion:244 Resp: 814813
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.2 10.3 15.5

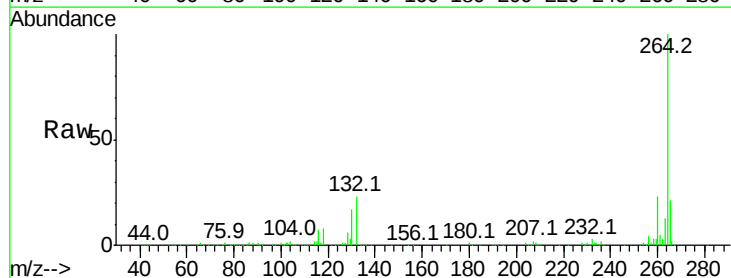


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094811.D
 Acq: 3 May 2017 00:40

Tgt Ion:264 Resp: 198085
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 20.8 17.2 25.8



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

