

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094833.D
 Acq On : 3 May 2017 13:40
 Operator : SJ/MA
 Sample : I2923-06DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

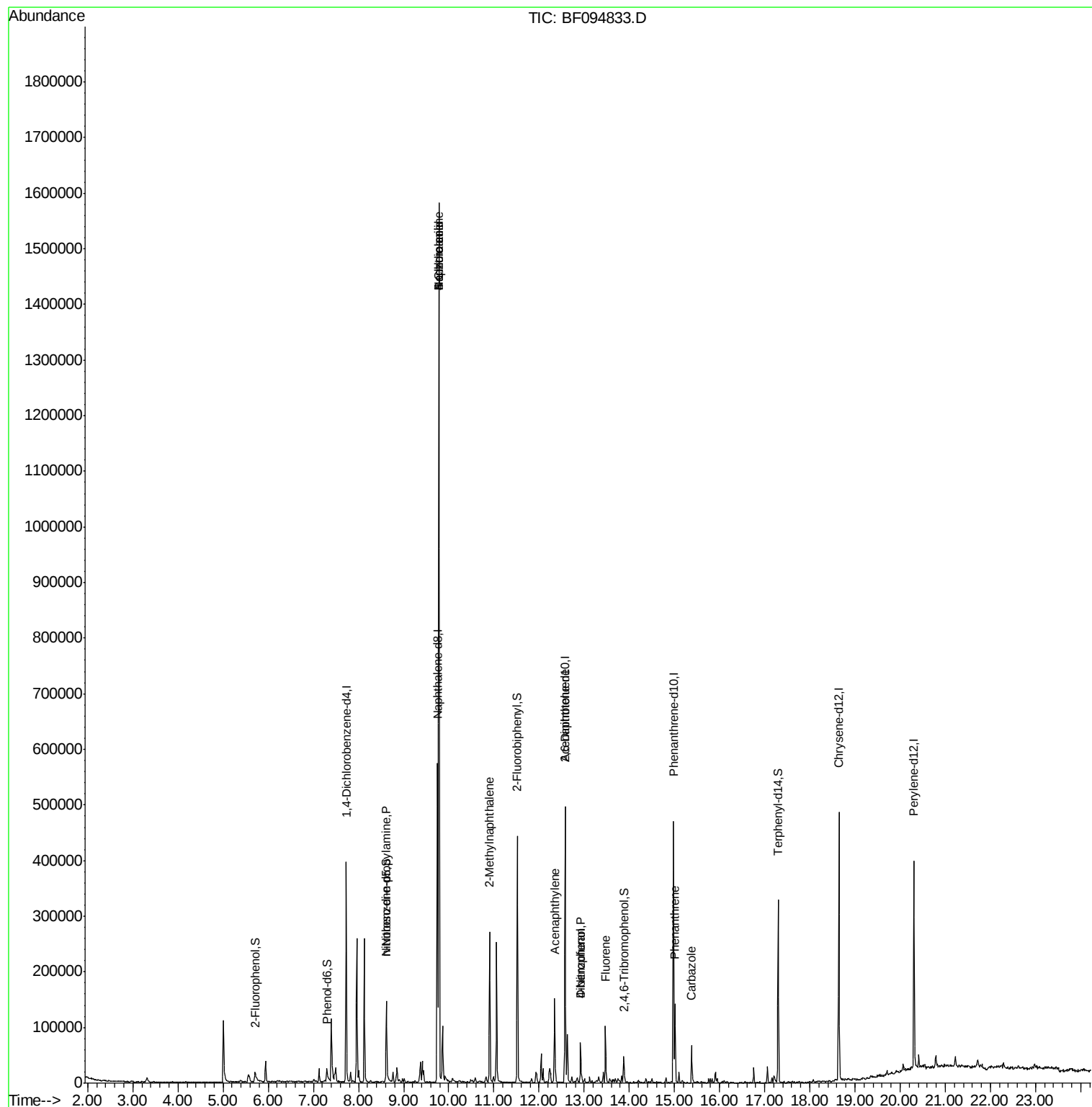
Quant Time: May 03 15:10:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

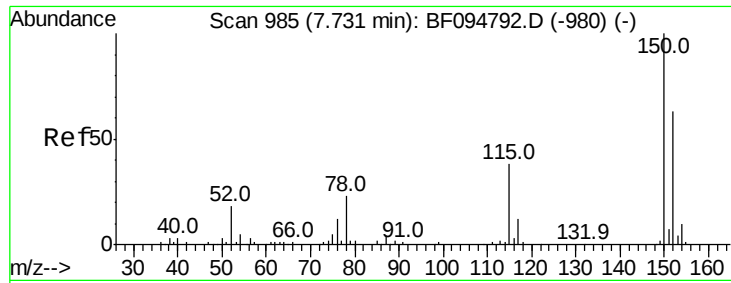
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	80138	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	339715	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	139861	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	225283	20.00	ng	0.00
75) Chrysene-d12	18.64	240	193592	20.00	ng	-0.01
86) Perylene-d12	20.31	264	154200	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	16632	3.46	ng	0.03
7) Phenol-d6	7.30	99	23604	4.09	ng	0.02
23) Nitrobenzene-d5	8.62	82	77393	14.37	ng	-0.02
41) 2,4,6-Tribromophenol	13.88	330	7669	6.70	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	187483	19.29	ng	-0.01
78) Terphenyl-d14	17.30	244	122723	13.96	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.61	70	9721	2.49	ng	# 74
31) Naphthalene	9.78	128	903198	52.90	ng	99
32) Benzoic acid	9.78	122	1960	5.62	ng	# 1
33) 4-Chloroaniline	9.78	127	117996	18.54	ng	# 34
37) 2-Methylnaphthalene	10.91	142	99496	8.88	ng	97
48) Acenaphthylene	12.34	152	94502	6.35	ng	98
50) 2,6-Dinitrotoluene	12.58	165	16468	7.03	ng	# 31
54) Dibenzofuran	12.92	168	46791	3.80	ng	99
55) 4-Nitrophenol	12.92	139	16800	11.13	ng	# 25
57) Fluorene	13.47	166	41447	3.87	ng	94
70) Phenanthrene	15.01	178	72372	5.59	ng	97
72) Carbazole	15.38	167	43040	3.58	ng	# 93

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

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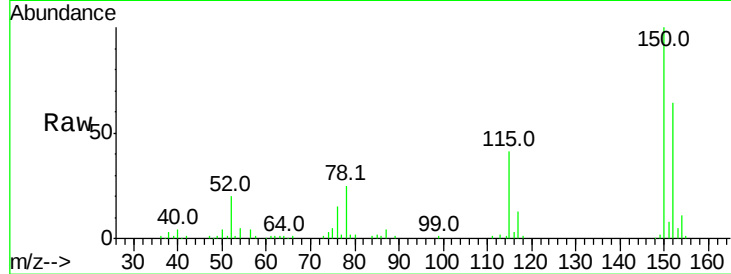




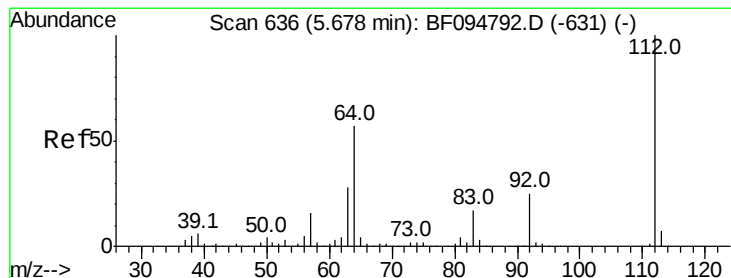
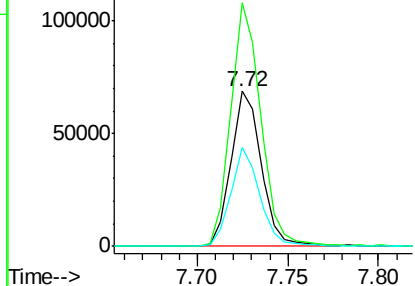
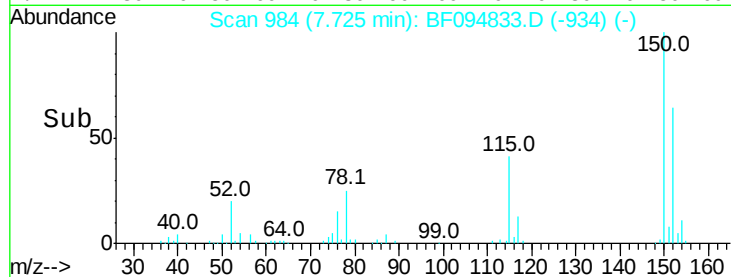
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094833.D
Acq: 3 May 2017 13:40

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	64.0	52.2	78.2



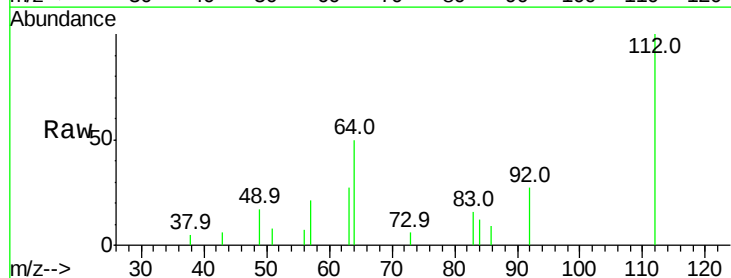
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



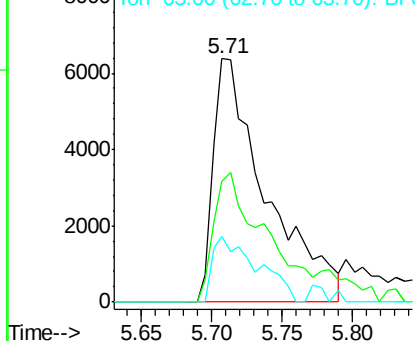
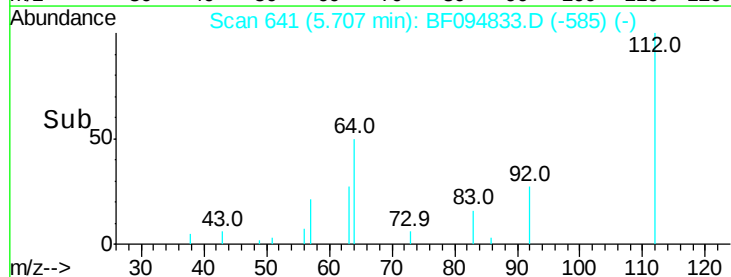
#5

2-Fluorophenol
Concen: 3.46 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.03 min
Lab File: BF094833.D
Acq: 3 May 2017 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	46.0	69.0
63	27.2	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: 4.09 ng

RT: 7.30 min Scan# 911

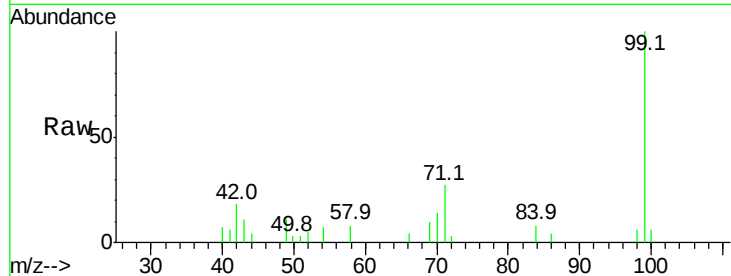
Delta R.T. 0.02 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

Tot Ion: 99 Resp: 23604

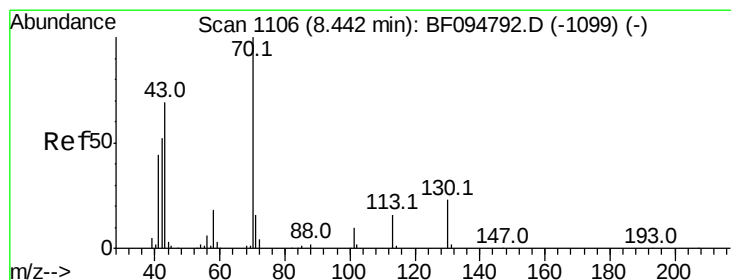
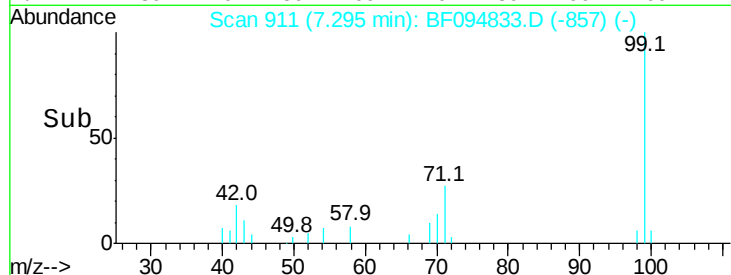
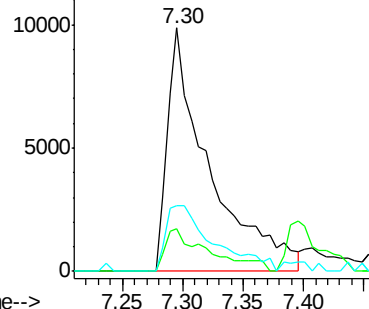
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	26.9	24.5	36.7



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: 2.49 ng

RT: 8.61 min Scan# 1135

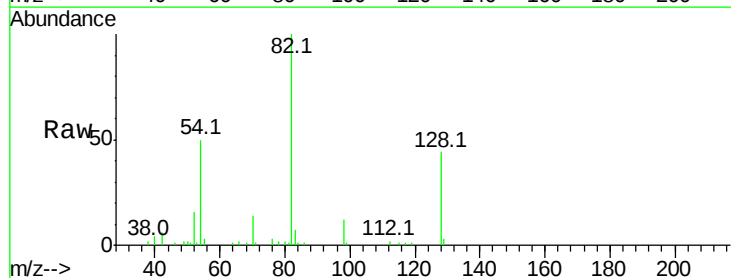
Delta R.T. 0.17 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

Tgt Ion: 70 Resp: 9721

Ion	Ratio	Lower	Upper
70	100		
42	43.6	47.2	70.8#
101	0.0	7.2	10.8#
130	0.0	15.9	23.9#

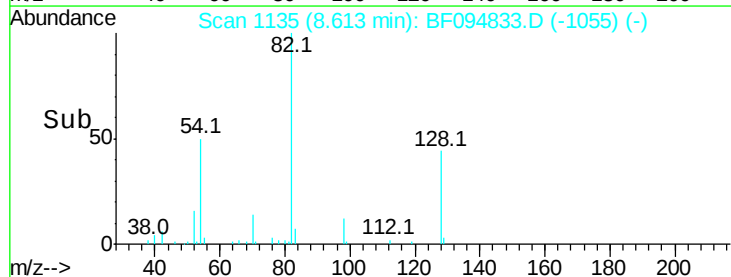
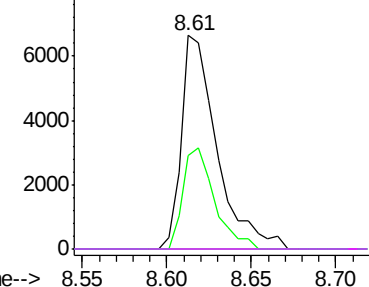


Abundance Ion 70.00 (69.70 to 70.70): BF0

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# 1328

Delta R.T. -0.01 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

Tot Ion:136 Resp: 339715

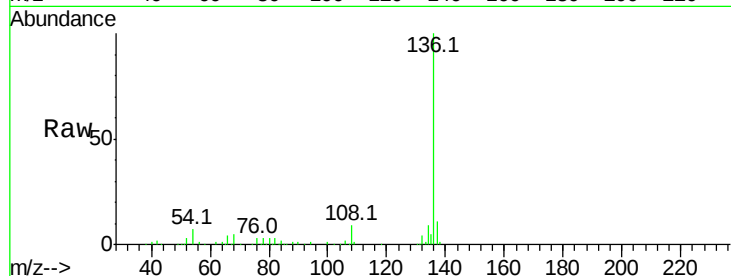
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

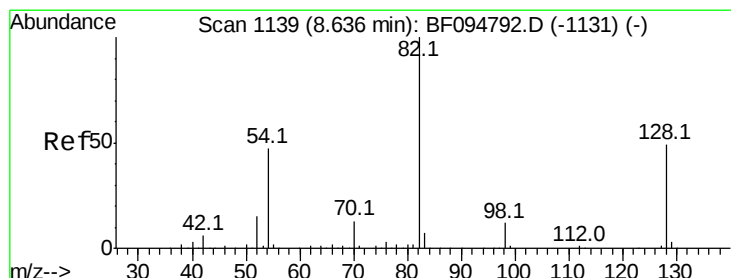
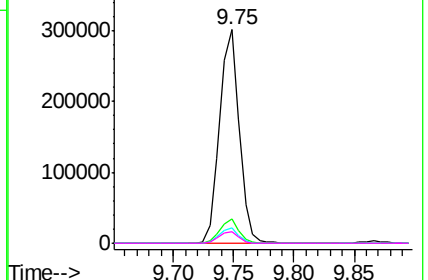
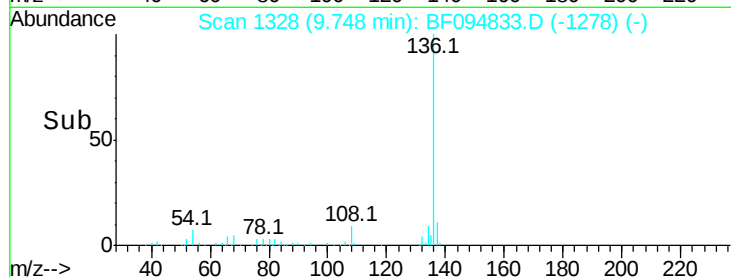


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.37 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

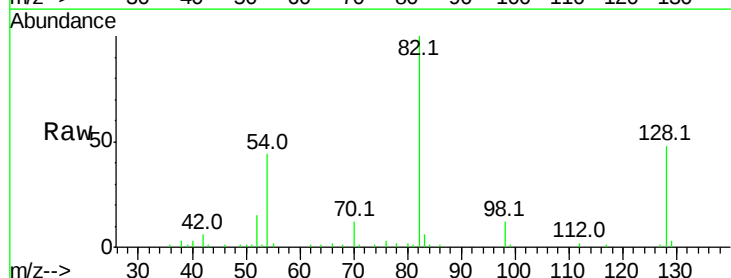
Tgt Ion: 82 Resp: 77393

Ion Ratio Lower Upper

82 100

128 48.0 34.0 51.0

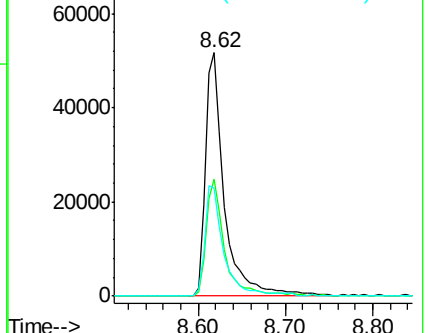
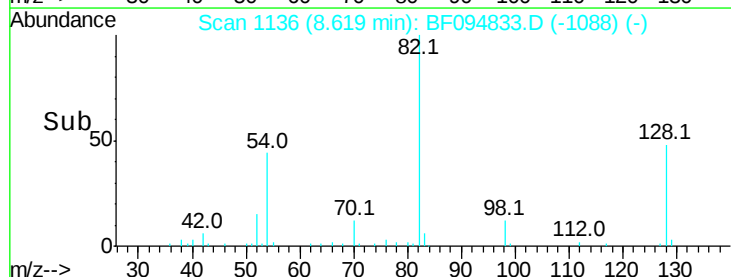
54 44.5 42.2 63.2

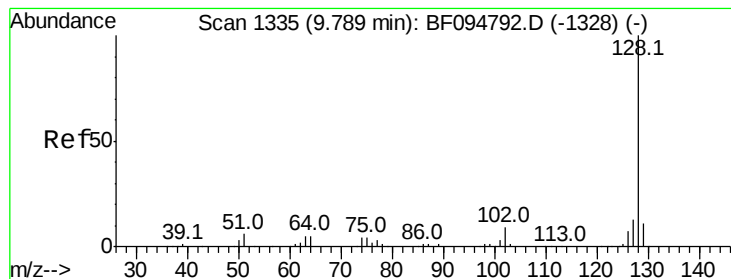


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 52.90 ng

RT: 9.78 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

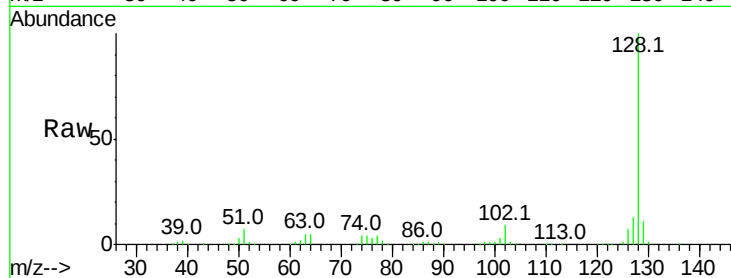
Tot Ion:128 Resp: 903198

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

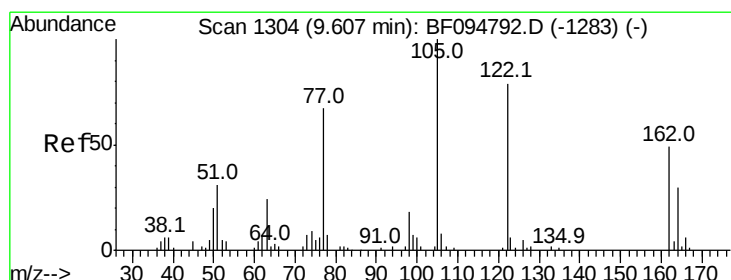
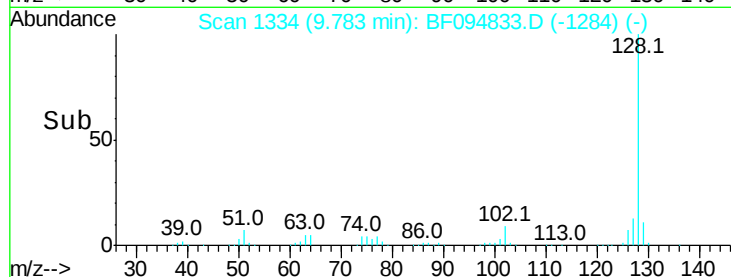
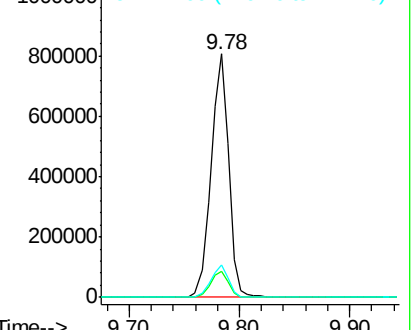
127 13.1 10.8 16.2



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: 5.62 ng

RT: 9.78 min Scan# 1334

Delta R.T. 0.18 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

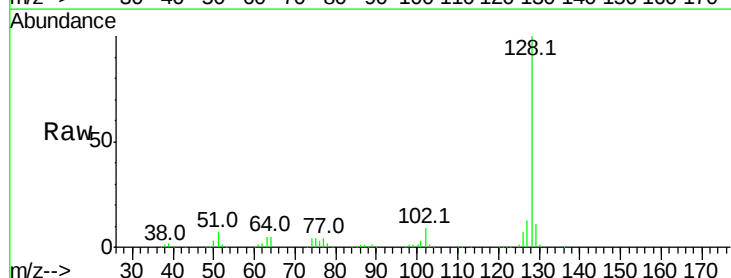
Tgt Ion:122 Resp: 1960

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

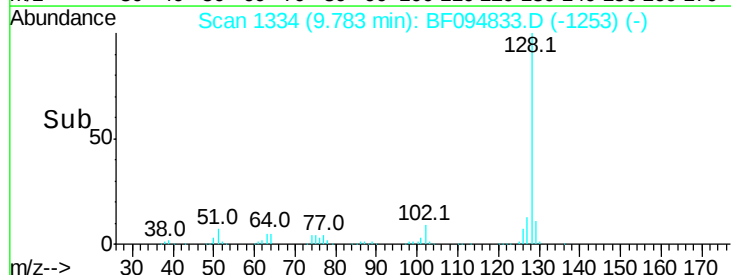
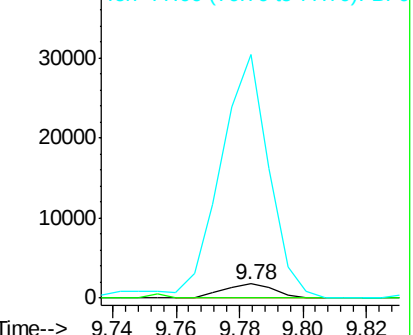
77 1708.4 73.7 113.7#

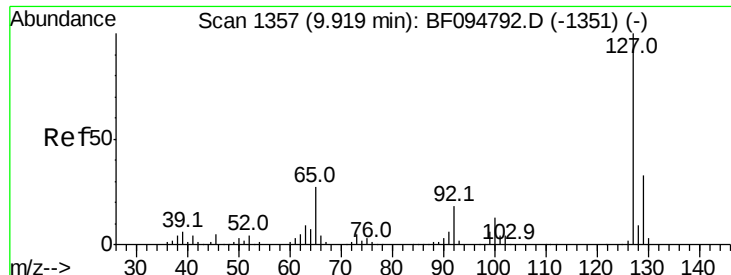


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

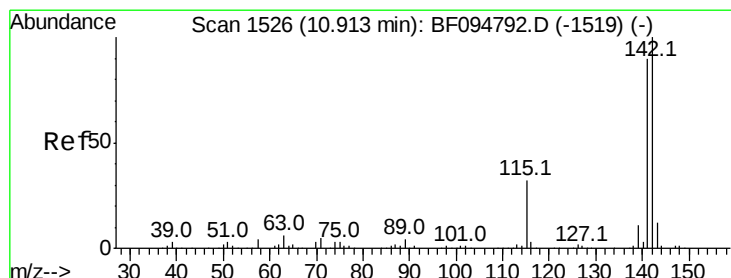
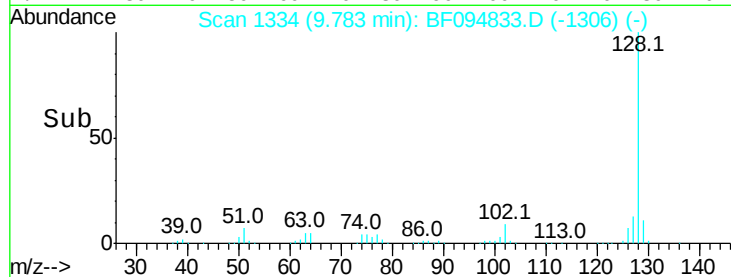
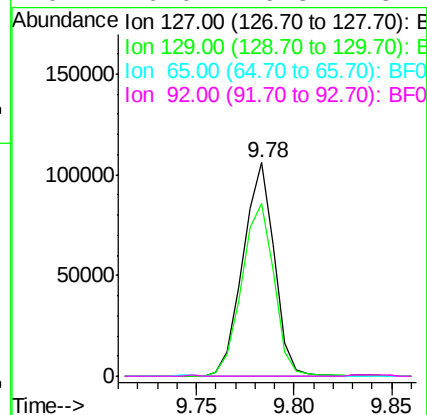
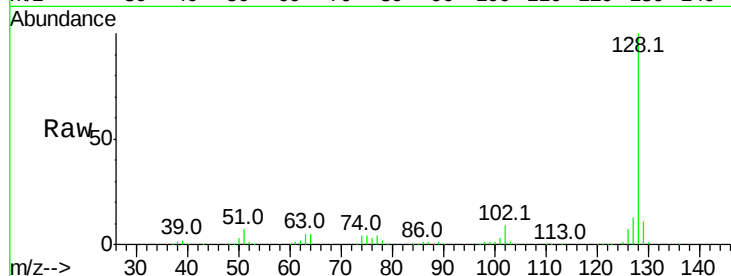
Ion 77.00 (76.70 to 77.70): BF0





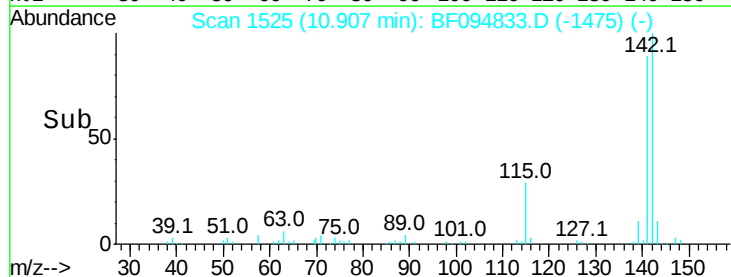
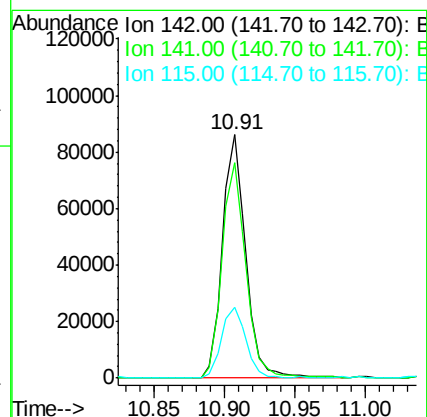
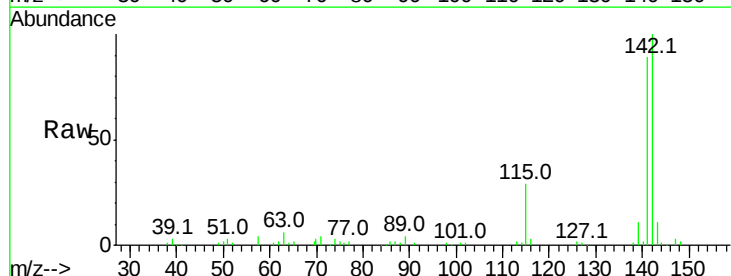
#33
 4-Chloroaniline
 Concen: 18.54 ng
 RT: 9.78 min Scan# 1334
 Delta R.T. -0.14 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

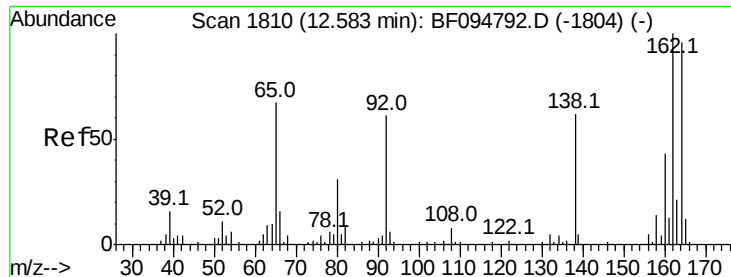
Tot Ion:	127	Resp:	117996
Ion	Ratio	Lower	Upper
127	100		
129	80.9	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 8.88 ng
 RT: 10.91 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

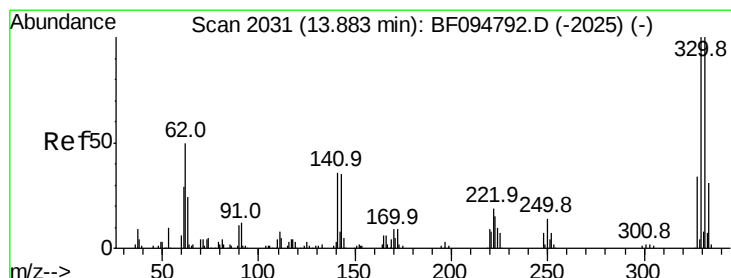
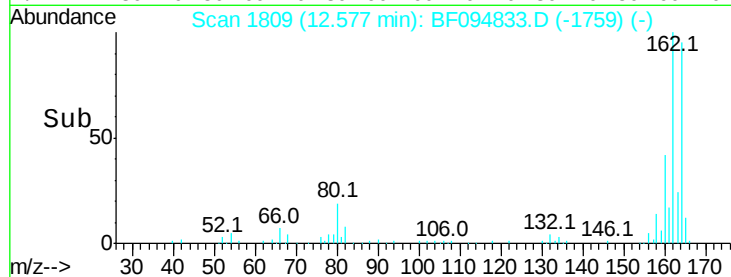
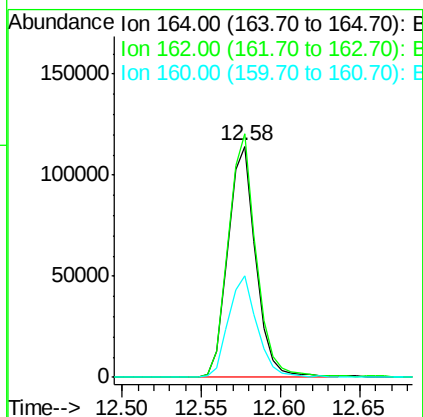
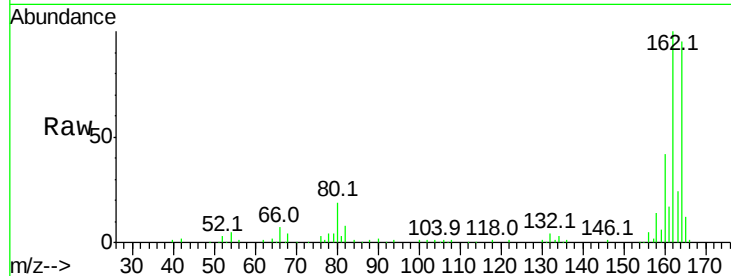
Tgt Ion:	142	Resp:	99496
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	28.9	27.1	40.7





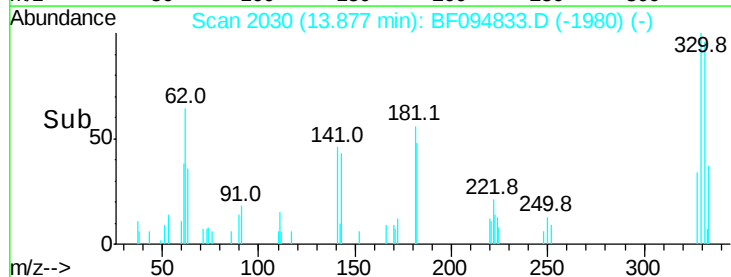
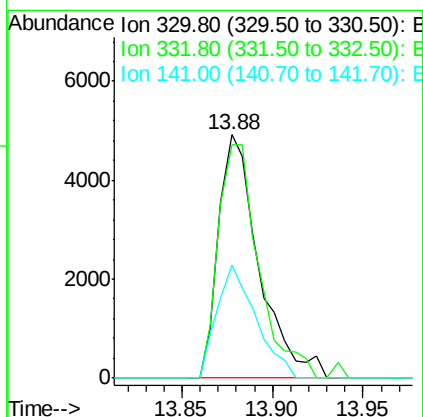
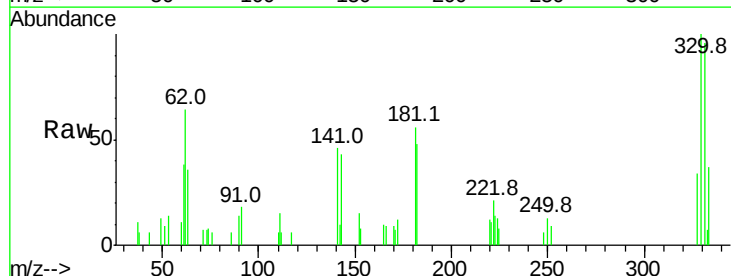
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

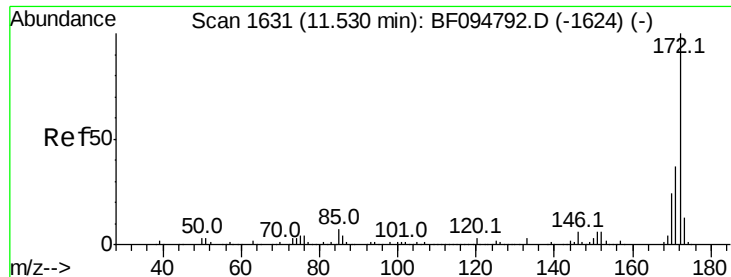
Tot Ion:164 Resp: 139861
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.6 123.8
 160 44.0 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 6.70 ng
 RT: 13.88 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

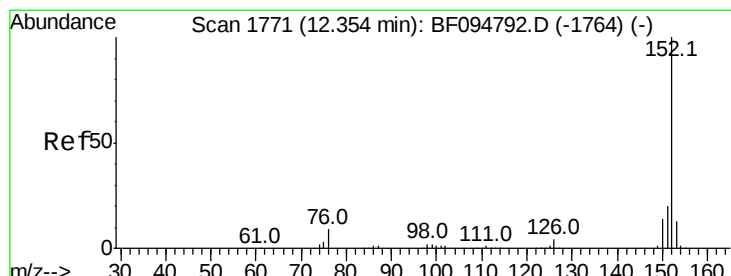
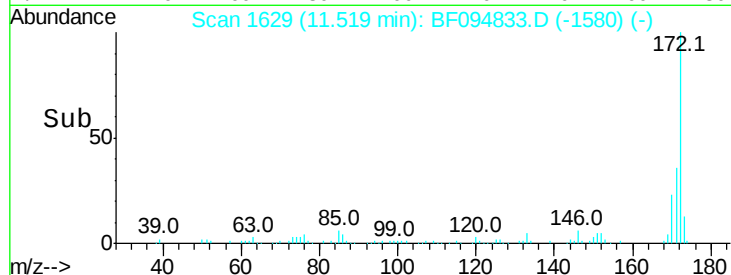
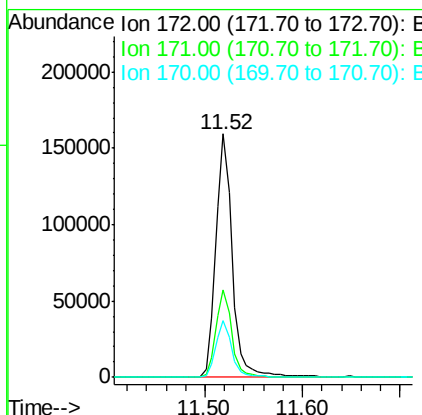
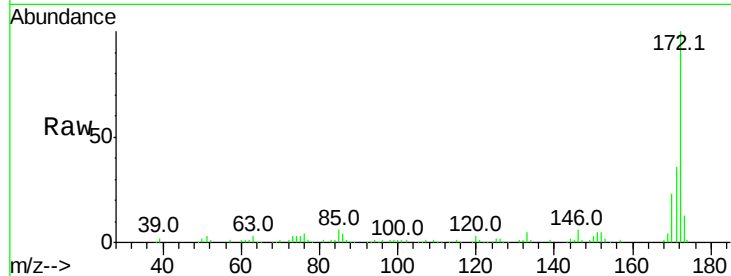
Tgt Ion:330 Resp: 7669
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 44.5 31.4 47.2





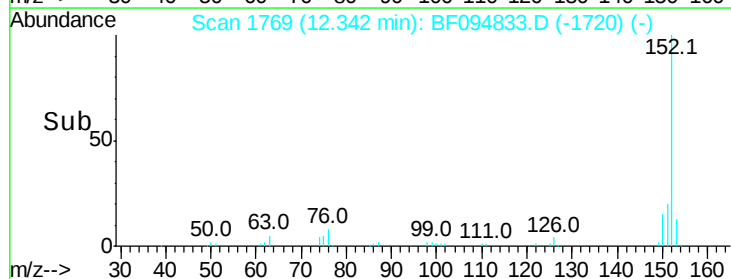
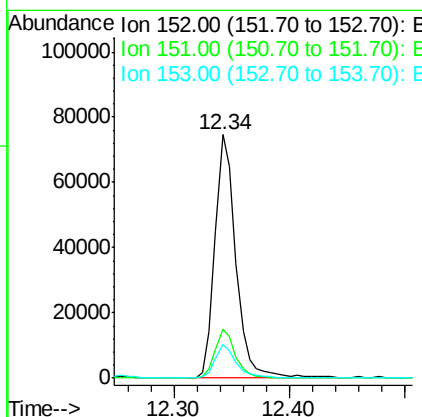
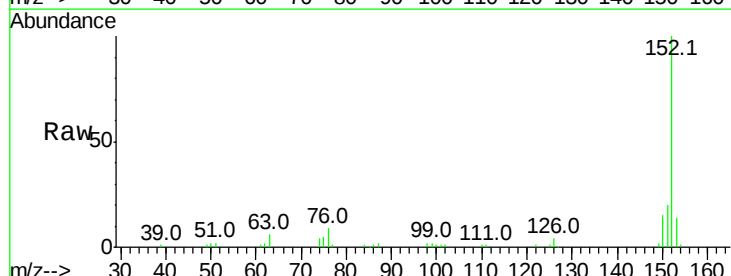
#44
 2-Fluorobiphenyl
 Concen: 19.29 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

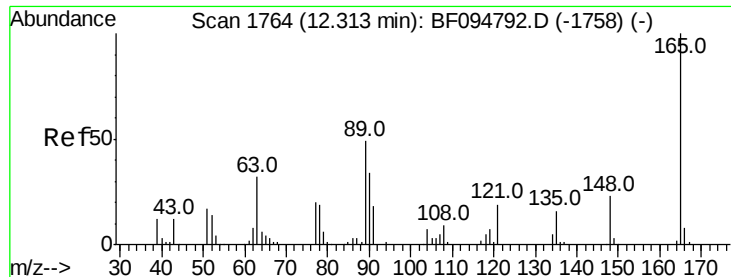
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.3	19.8	29.8



#48
 Acenaphthylene
 Concen: 6.35 ng
 RT: 12.34 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.8	25.2
153	14.1	10.8	16.2





#50

2,6-Dinitrotoluene

Concen: 7.03 ng

RT: 12.58 min Scan# 1809

Delta R.T. 0.26 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

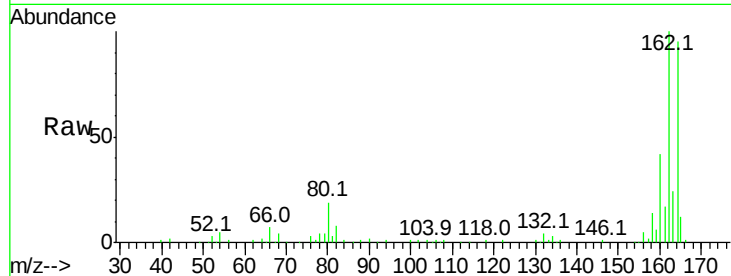
Tot Ion:165 Resp: 16468

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

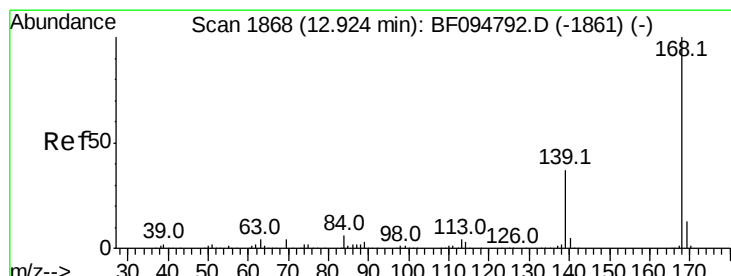
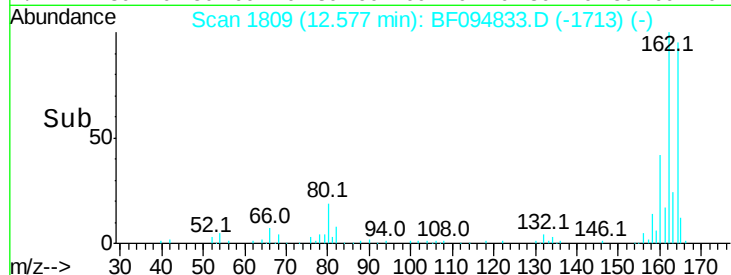
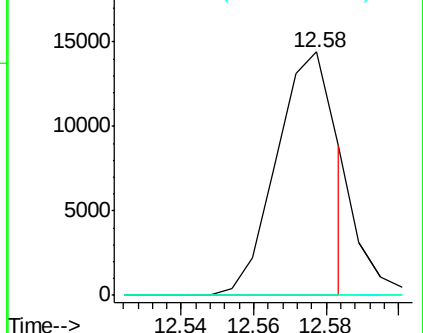
89 0.0 37.1 55.7#



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: 3.80 ng

RT: 12.92 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

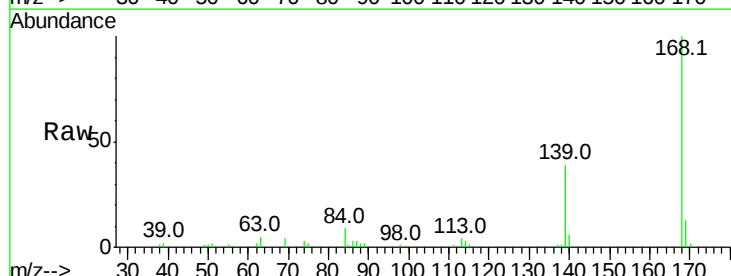
Tgt Ion:168 Resp: 46791

Ion Ratio Lower Upper

168 100

139 38.6 30.6 45.8

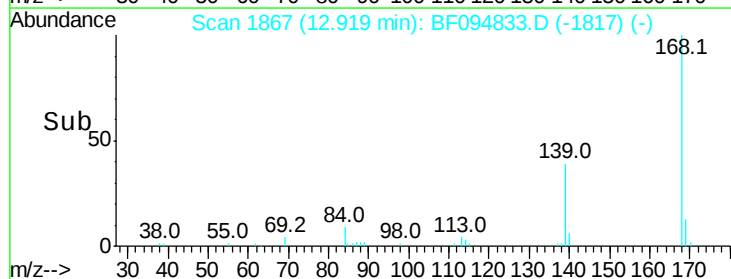
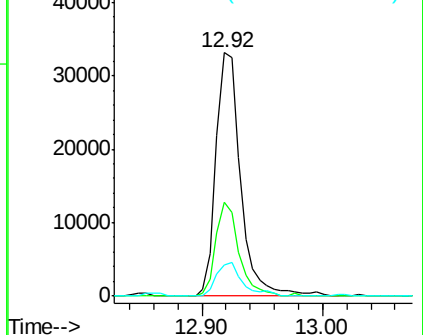
169 12.7 10.8 16.2

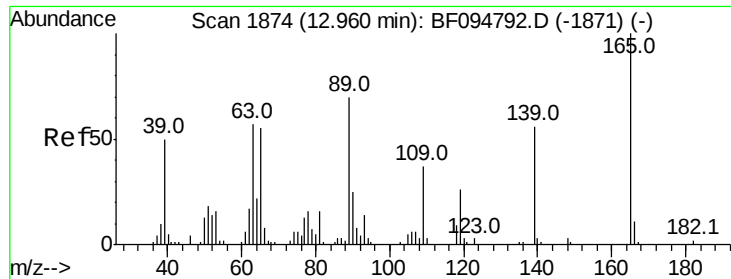


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

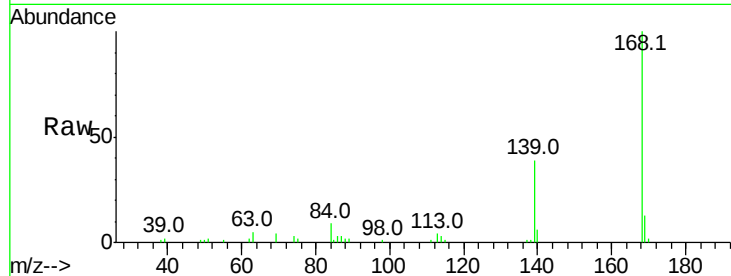
Ion 169.00 (168.70 to 169.70): E



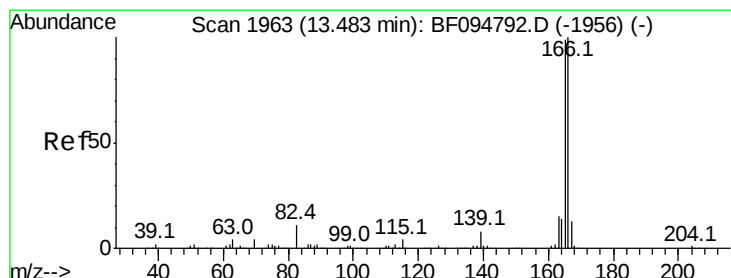
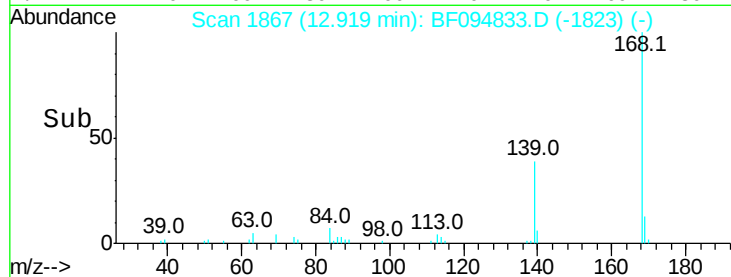
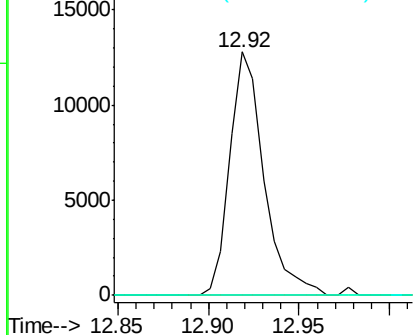


#55
4-Nitrophenol
Concen: 11.13 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.04 min
Lab File: BF094833.D
Acq: 3 May 2017 13:40

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

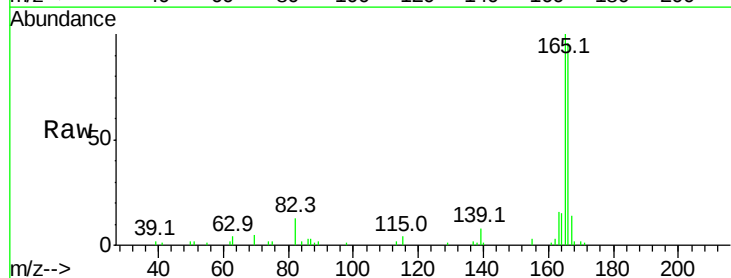


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO

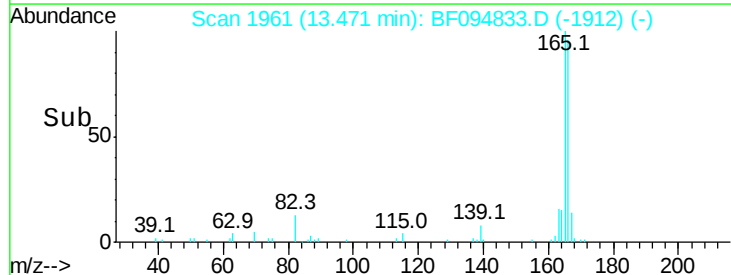
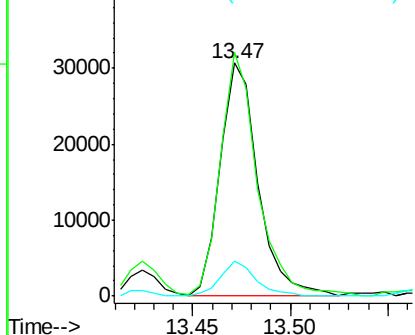


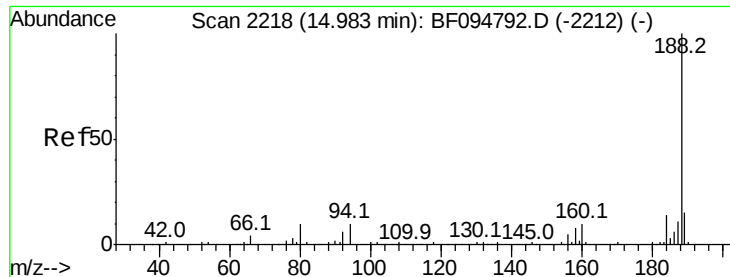
#57
Fluorene
Concen: 3.87 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BF094833.D
Acq: 3 May 2017 13:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.5	78.8	118.2
167	14.9	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: BF094833.D

Acq: 3 May 2017 13:40

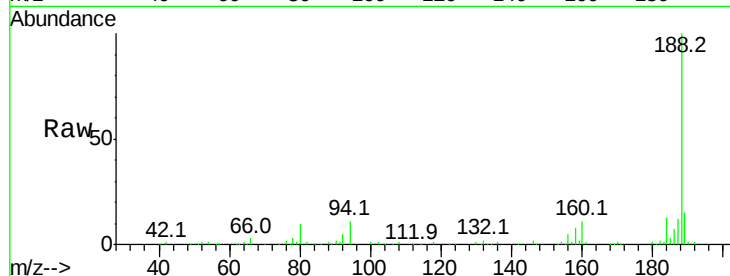
Tot Ion:188 Resp: 225283

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

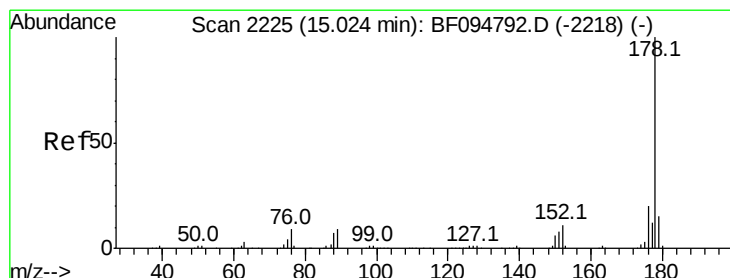
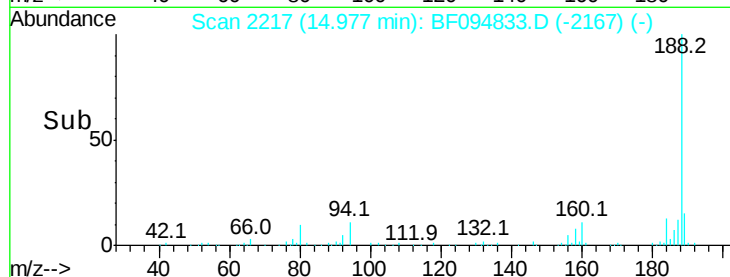
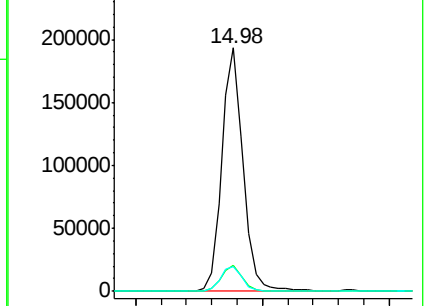
80 10.4 10.2 15.2



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



#70

Phenanthrene

Concen: 5.59 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

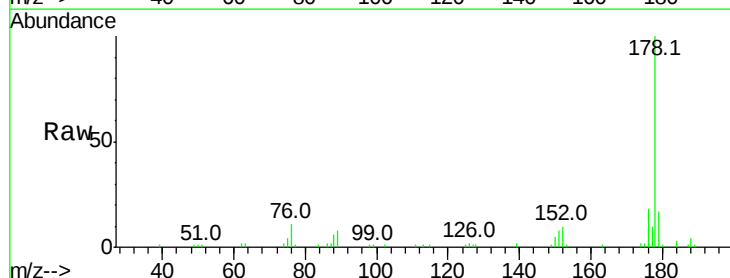
Tgt Ion:178 Resp: 72372

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

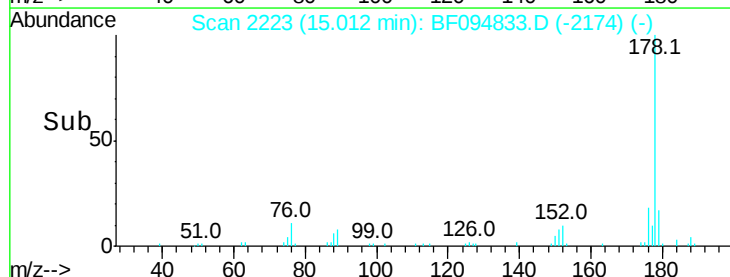
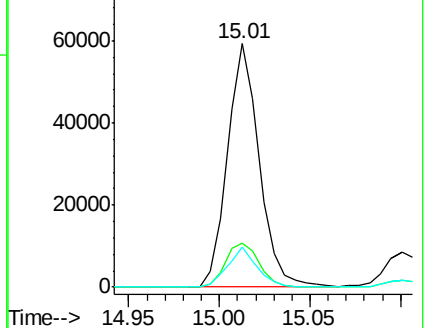
179 16.6 12.6 19.0

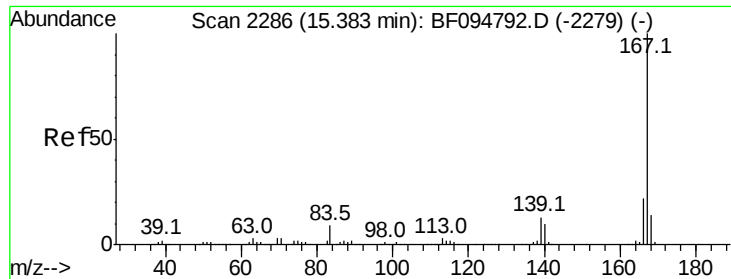


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.58 ng

RT: 15.38 min Scan# 2286

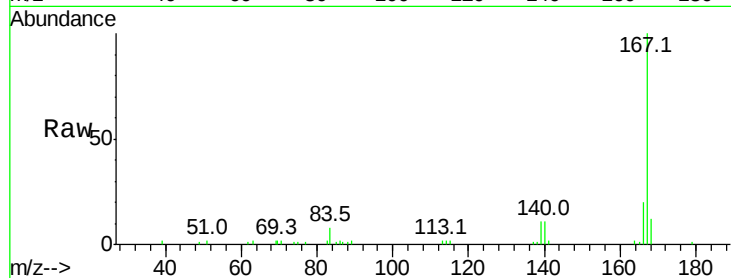
Delta R.T. 0.00 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

Tot Ion:167 Resp: 43040

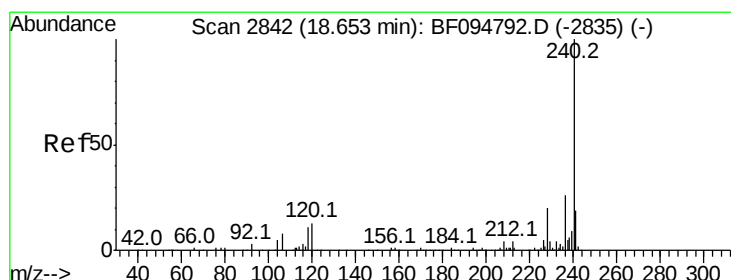
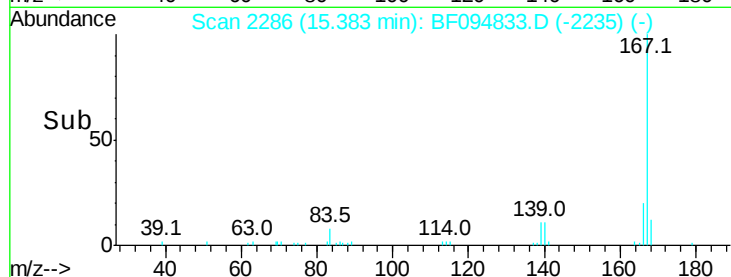
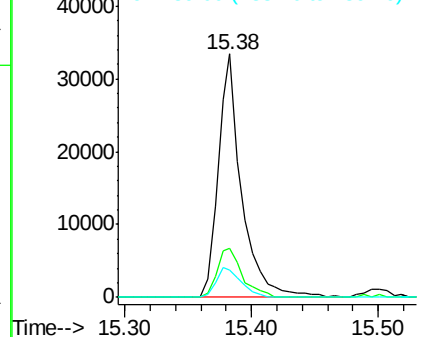
Ion	Ratio	Lower	Upper
167	100		
166	20.0	18.1	27.1
139	11.1	11.7	17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2840

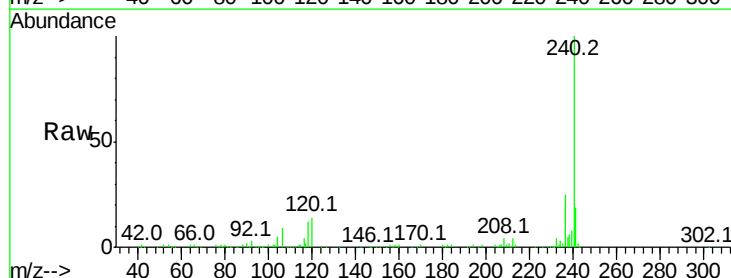
Delta R.T. -0.01 min

Lab File: BF094833.D

Acq: 3 May 2017 13:40

Tgt Ion:240 Resp: 193592

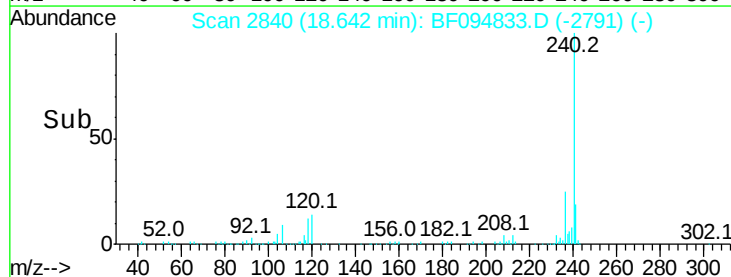
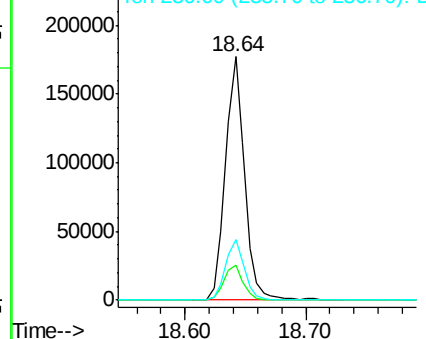
Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8
236	24.7	20.5	30.7

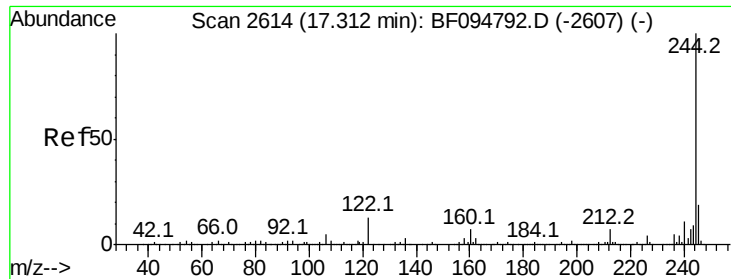


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

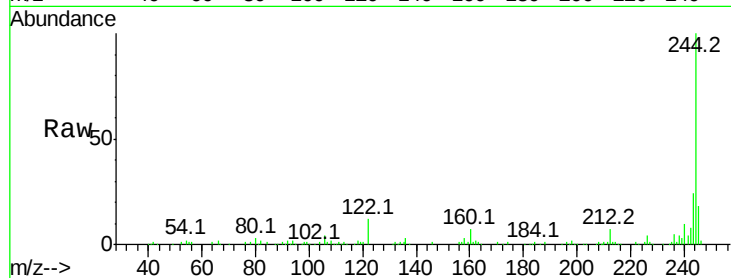
Ion 236.00 (235.70 to 236.70): E



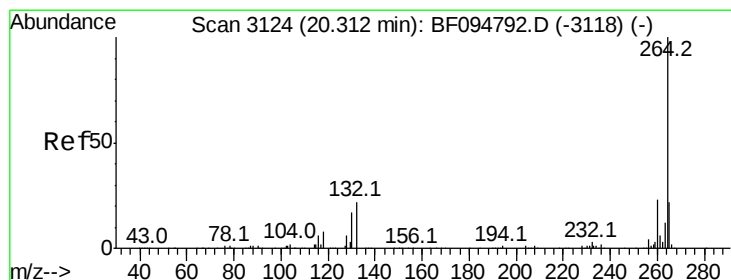
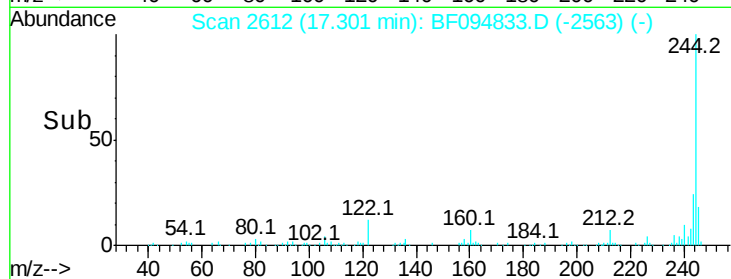
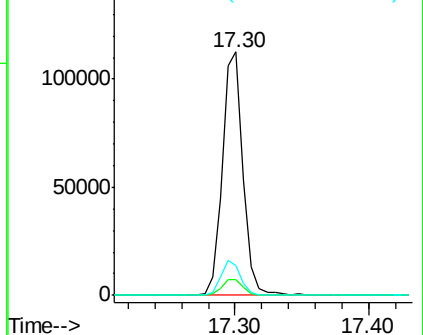


#78
 Terphenyl-d14
 Concen: 13.96 ng
 RT: 17.30 min Scan# 2612
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

Tot Ion:244 Resp: 122723
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 12.3 10.3 15.5

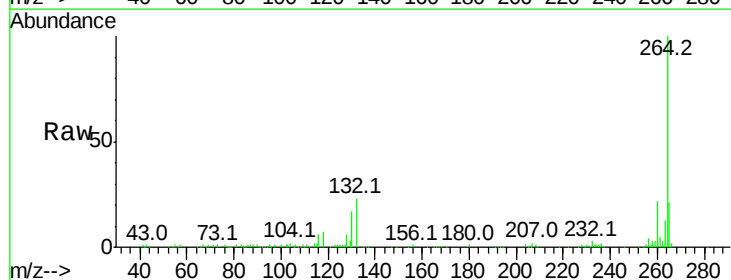


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094833.D
 Acq: 3 May 2017 13:40

Tgt Ion:264 Resp: 154200
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.5 29.3
 265 21.0 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

