

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094837.D
 Acq On : 3 May 2017 15:50
 Operator : SJ/MA
 Sample : I2921-10 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

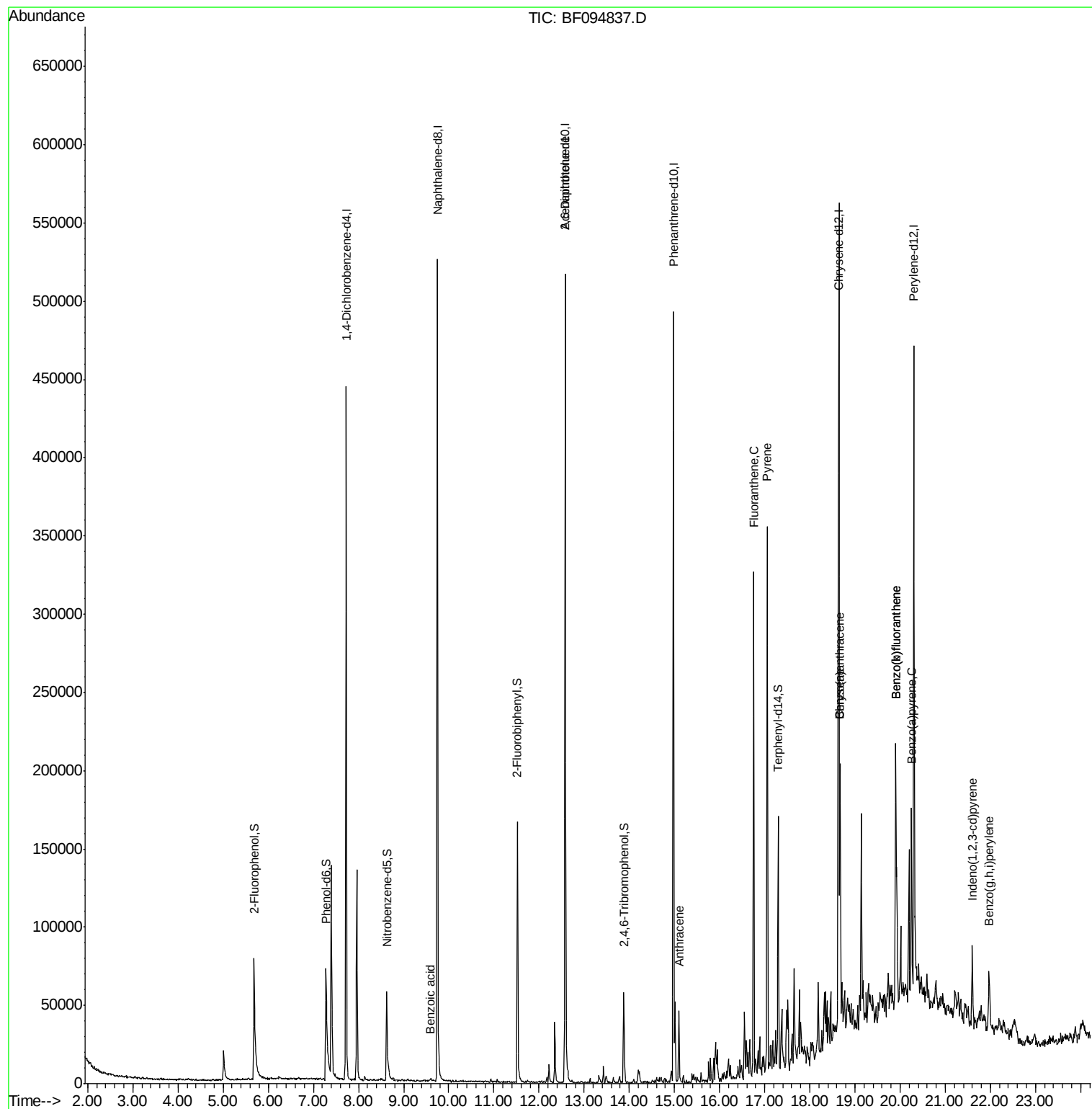
Quant Time: May 03 16:45:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

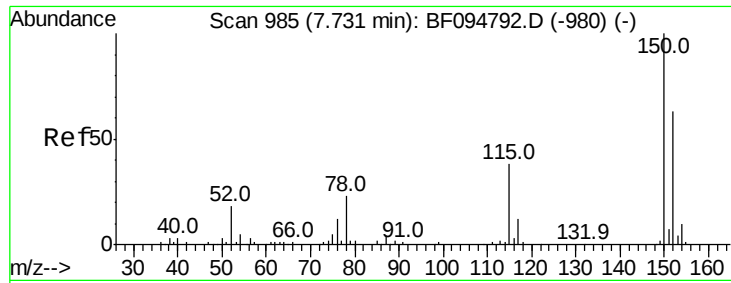
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	88182	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	356230	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	151798	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	241498	20.00	ng	0.00
75) Chrysene-d12	18.64	240	193691	20.00	ng	-0.01
86) Perylene-d12	20.31	264	155892	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	52860	9.99	ng	0.01
7) Phenol-d6	7.28	99	65769	10.36	ng	0.00
23) Nitrobenzene-d5	8.62	82	40569	7.18	ng	-0.01
41) 2,4,6-Tribromophenol	13.88	330	11504	9.25	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	85430	8.10	ng	-0.01
78) Terphenyl-d14	17.30	244	56238	6.40	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.60	122	601	5.24	ng	# 1
50) 2,6-Dinitrotoluene	12.58	165	16316	6.42	ng	# 31
71) Anthracene	15.10	178	30490	2.15	ng	96
74) Fluoranthene	16.75	202	149747	10.52	ng	97
77) Pyrene	17.05	202	149407	10.31	ng	97
80) Benzo(a)anthracene	18.67	228	78044	6.92	ng	99
82) Chrysene	18.67	228	78044	7.16	ng	96
85) Indeno(1,2,3-cd)pyrene	21.59	276	27013	3.05	ng	97
87) Benzo(b)fluoranthene	19.90	252	121735	12.64	ng	97
88) Benzo(k)fluoranthene	19.90	252	121735	13.10	ng	97
89) Benzo(a)pyrene	20.25	252	50828	5.72	ng	96
91) Benzo(a,h,i)perylene	21.97	276	26732	3.71	ng	98

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

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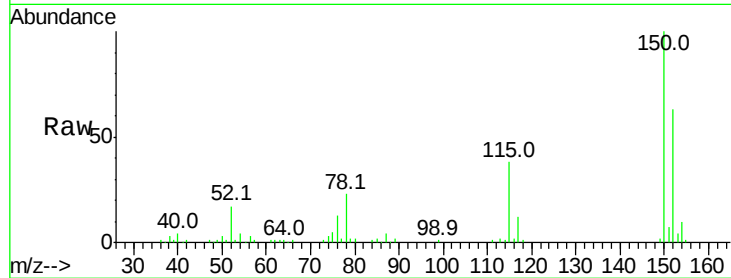




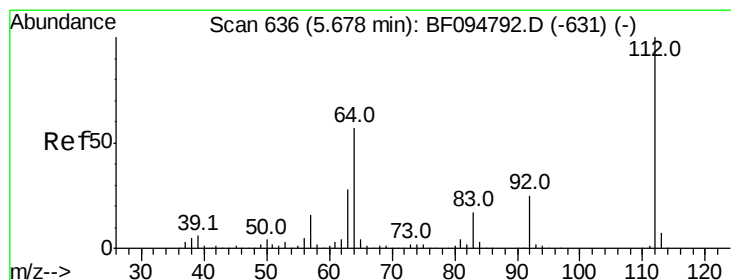
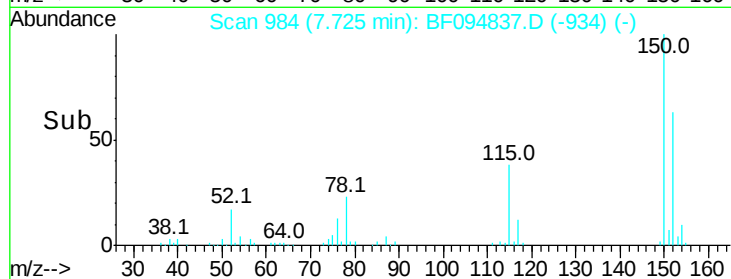
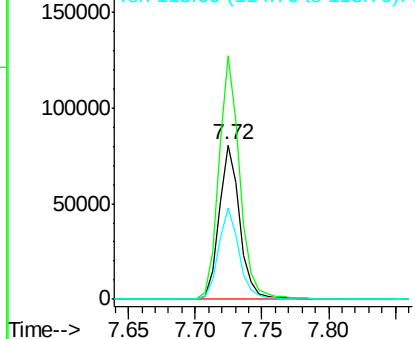
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	59.3	52.2	78.2



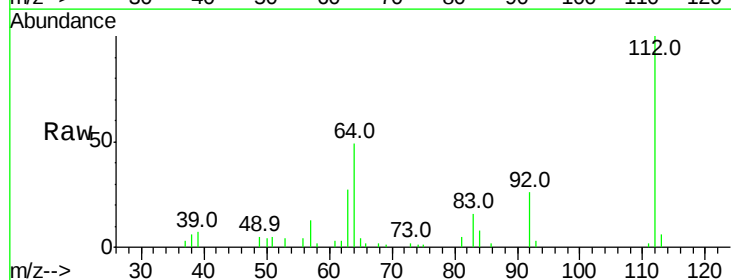
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



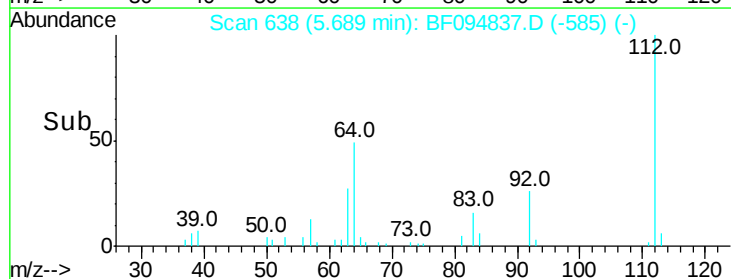
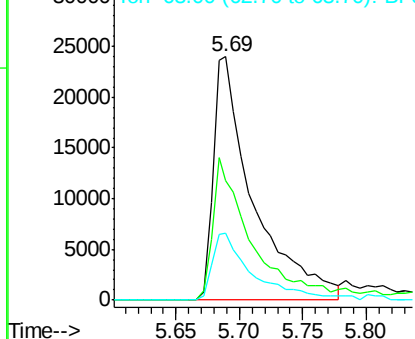
#5

2-Fluorophenol
Concen: 9.99 ng
RT: 5.69 min Scan# 638
Delta R.T. 0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	46.0	69.0
63	27.3	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: 10.36 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF094837.D

Acq: 3 May 2017 15:50

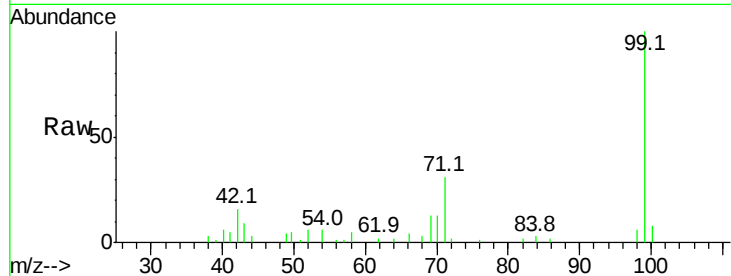
Tot Ion: 99 Resp: 65769

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

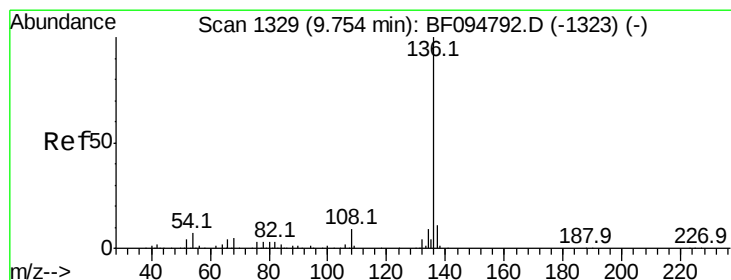
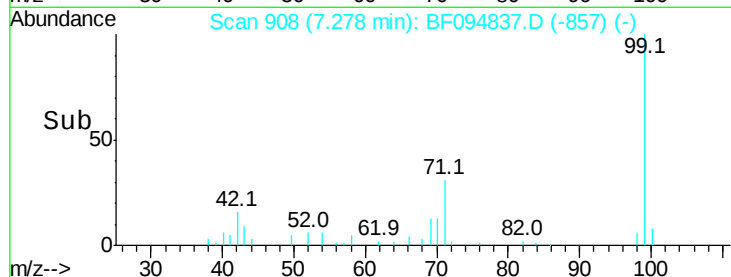
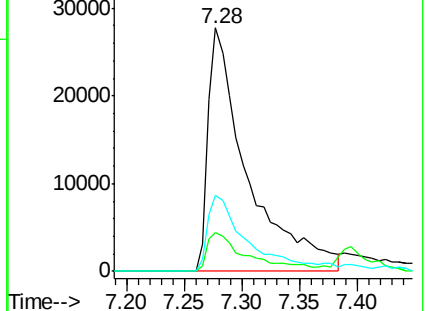
71 31.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.75 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF094837.D

Acq: 3 May 2017 15:50

Tgt Ion: 136 Resp: 356230

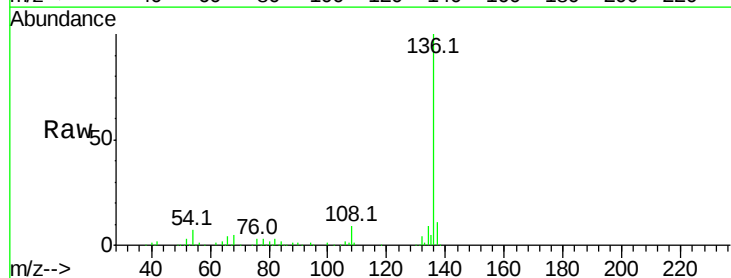
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.5 4.9 7.3

68 5.1 4.1 6.1

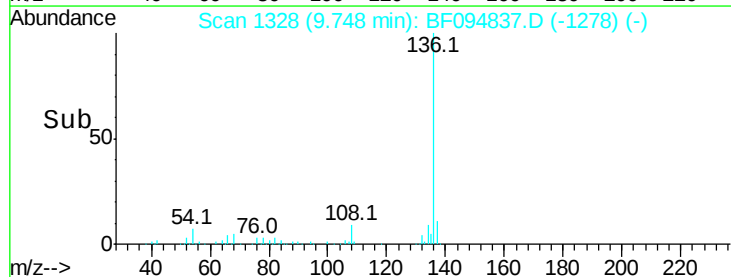
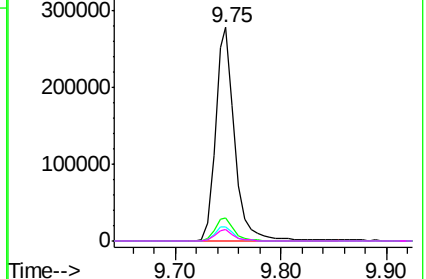


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

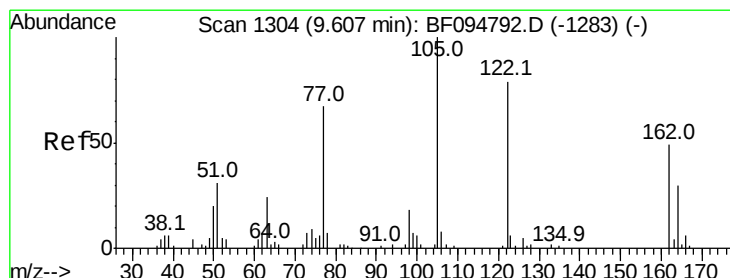
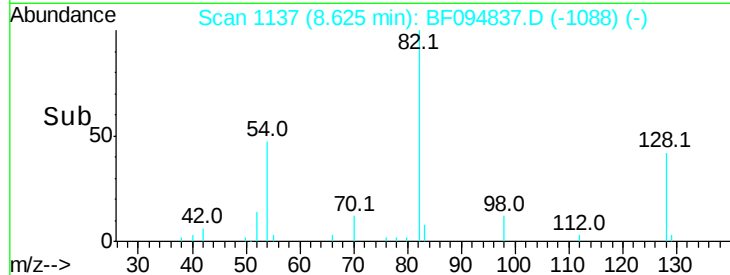
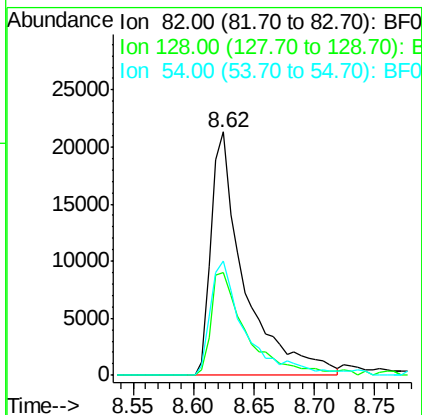
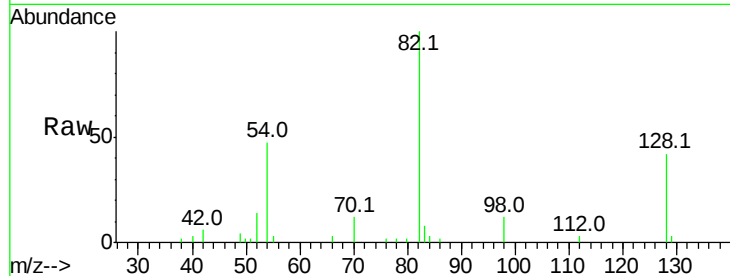
Ion 68.00 (67.70 to 68.70): BF0





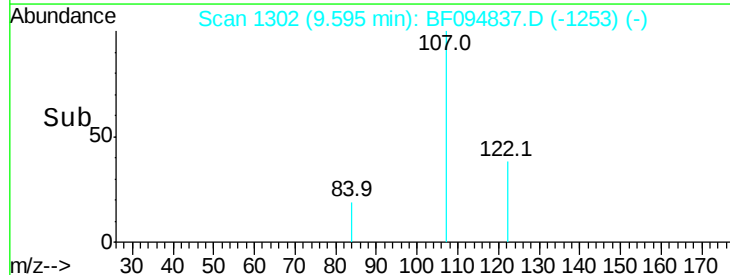
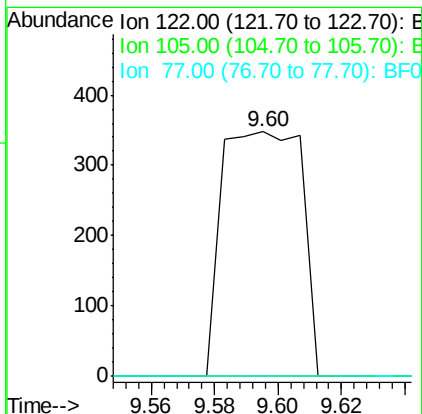
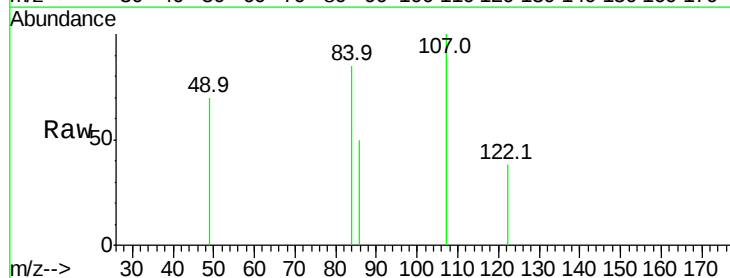
#23
 Nitrobenzene-d5
 Concen: 7.18 na
 RT: 8.62 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

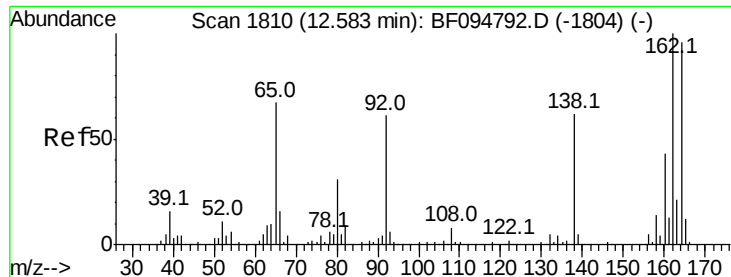
Tot Ion:	82	Resp:	40569
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.0	51.0
54	46.9	42.2	63.2



#32
 Benzoic acid
 Concen: 5.24 ng
 RT: 9.60 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

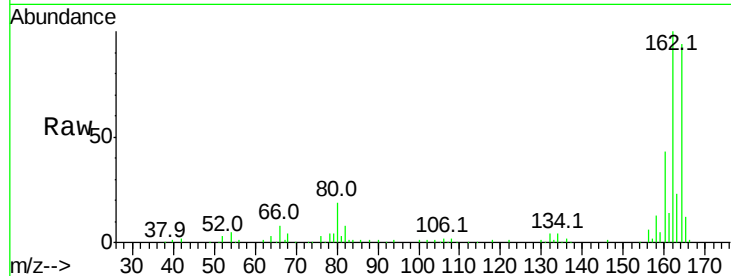
Tgt Ion:	122	Resp:	601
Ion	Ratio	Lower	Upper
122	100		
105	0.0	103.3	143.3#
77	0.0	73.7	113.7#



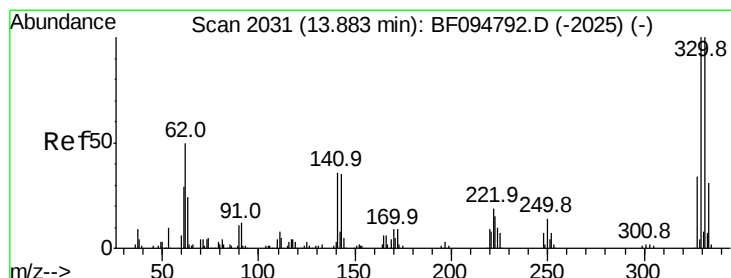
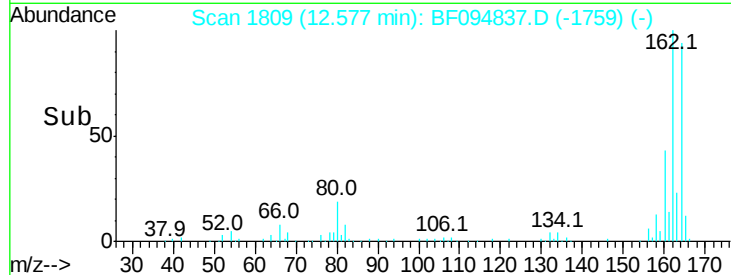
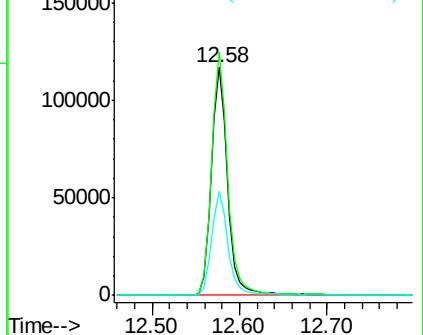


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tot Ion:164 Resp: 151798
Ion Ratio Lower Upper
164 100
162 106.9 82.6 123.8
160 45.8 36.2 54.2

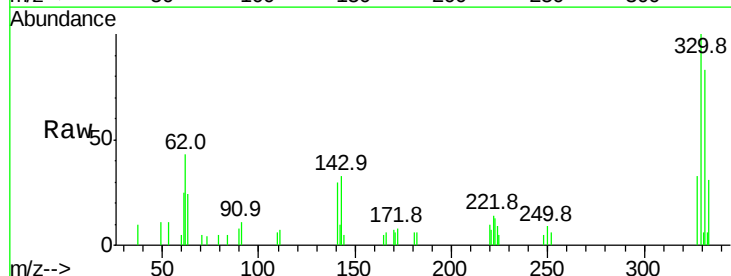


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

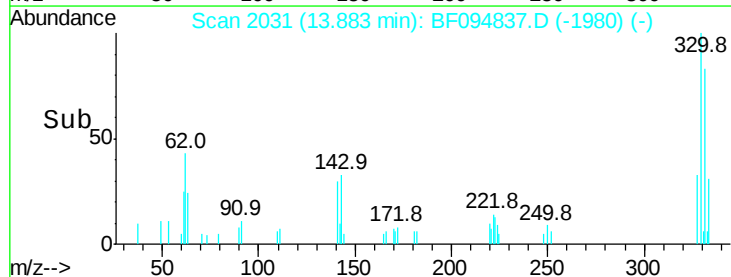
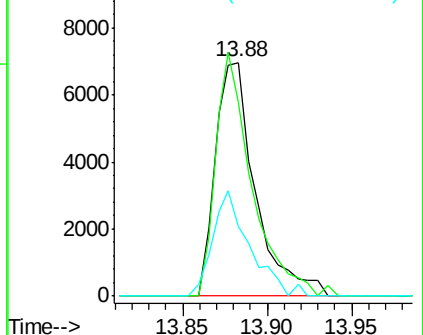


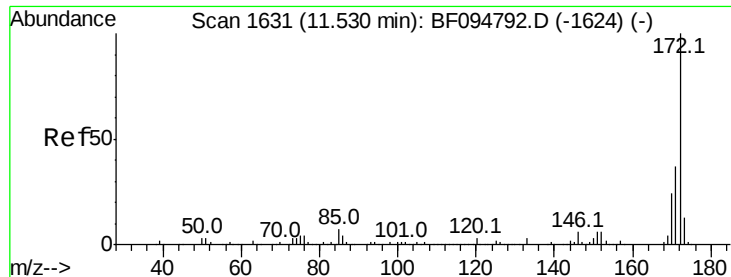
#41
2,4,6-Tribromophenol
Concen: 9.25 ng
RT: 13.88 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tgt Ion:330 Resp: 11504
Ion Ratio Lower Upper
330 100
332 94.6 76.6 115.0
141 41.3 31.4 47.2



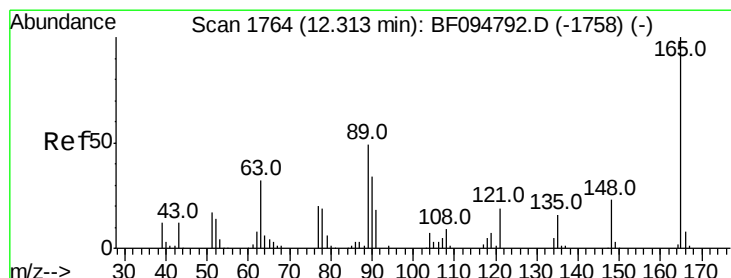
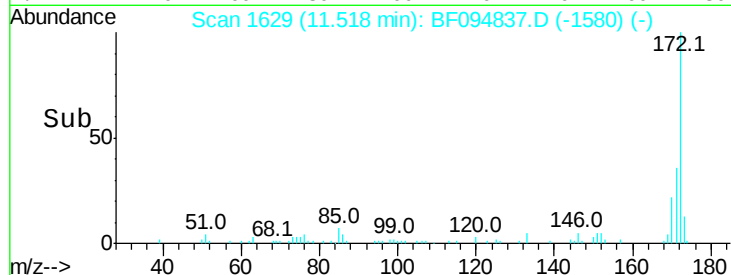
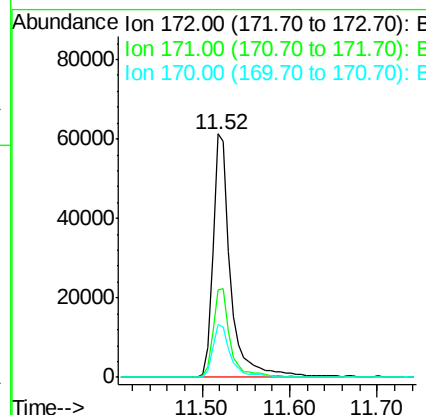
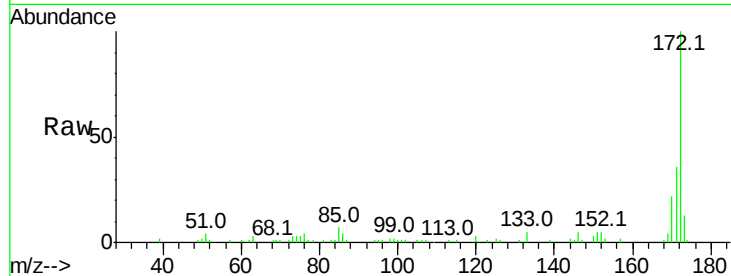
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





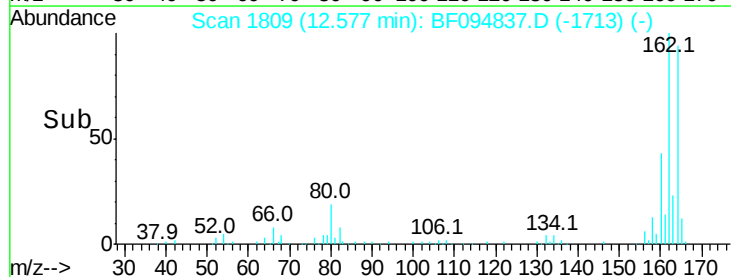
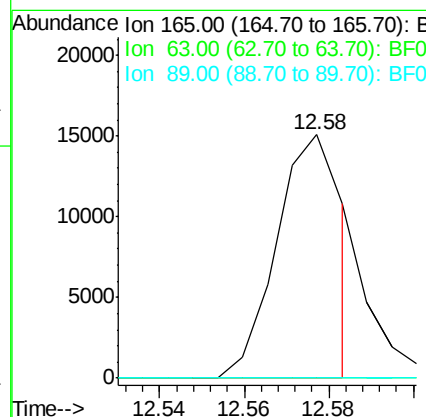
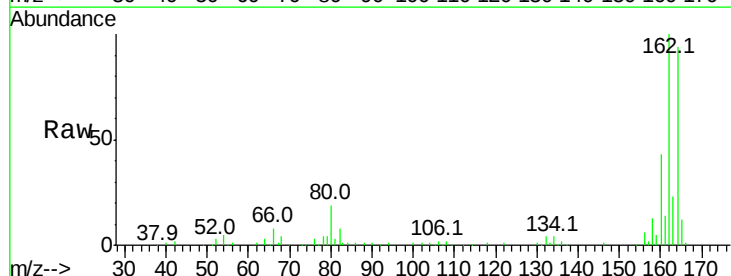
#44
 2-Fluorobiphenyl
 Concen: 8.10 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

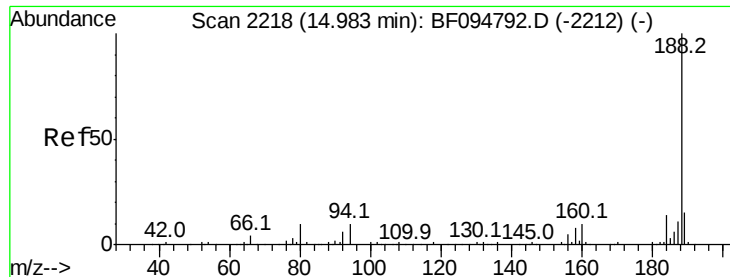
Tot Ion:172 Resp: 85430
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 21.8 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 6.42 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. 0.26 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

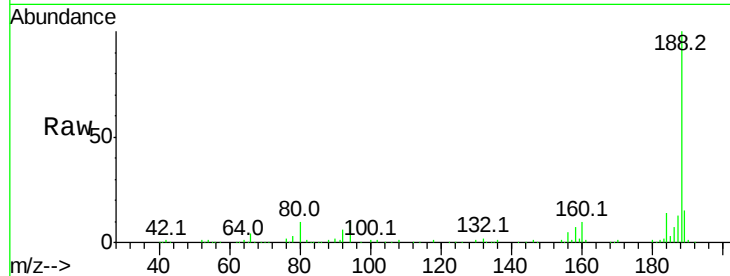
Tgt Ion:165 Resp: 16316
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#



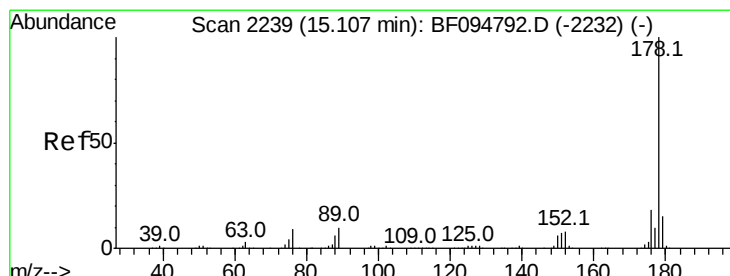
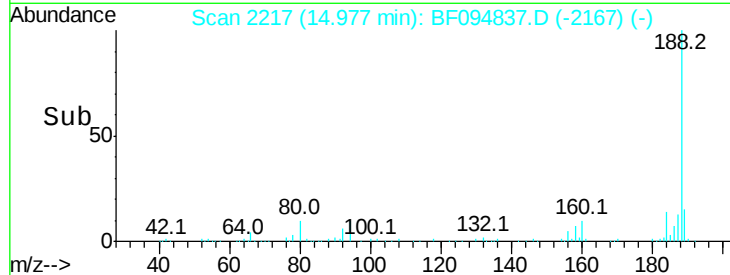
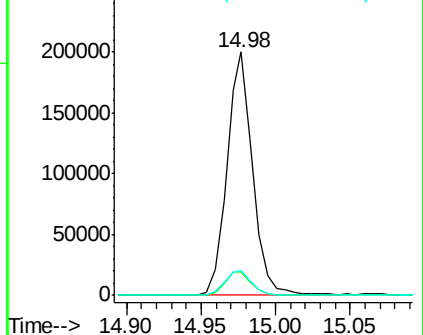


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.98 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

Tot Ion:188 Resp: 241498
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.4 14.2
 80 10.0 10.2 15.2#

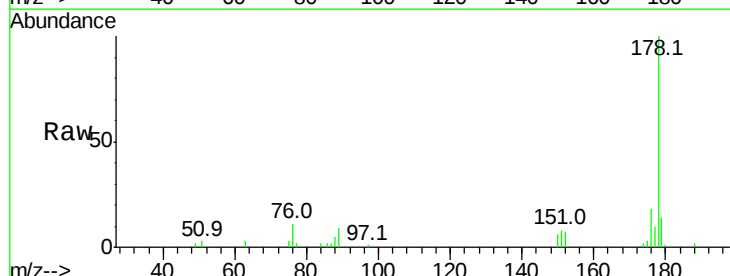


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BFO
 Ion 80.00 (79.70 to 80.70): BFO

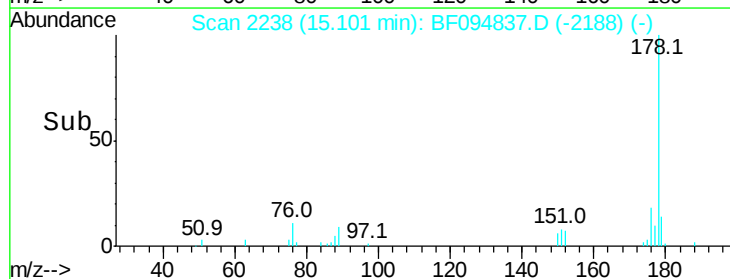
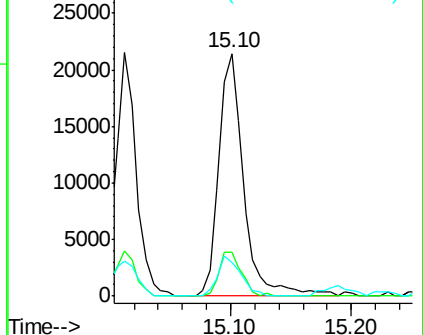


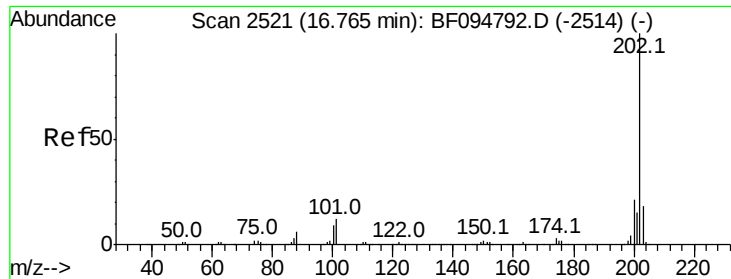
#71
 Anthracene
 Concen: 2.15 ng
 RT: 15.10 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

Tgt Ion:178 Resp: 30490
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 14.1 12.7 19.1



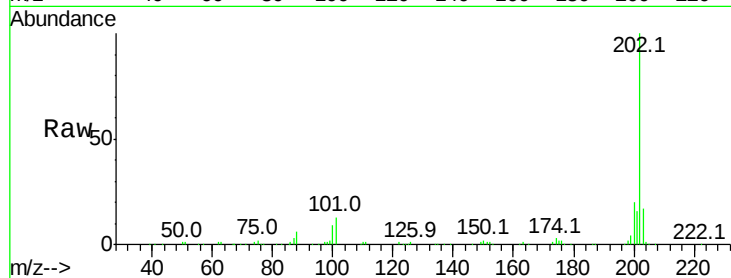
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



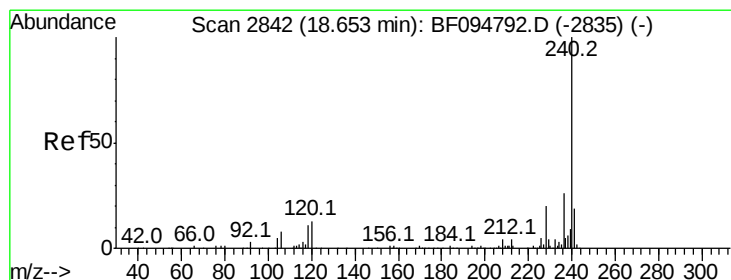
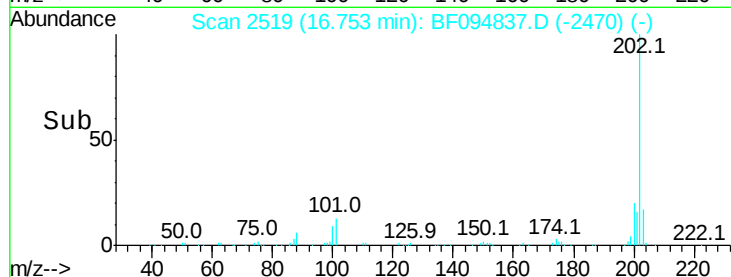
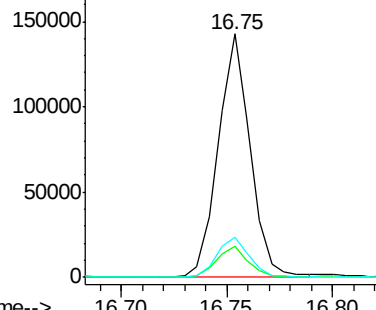


#74
 Fluoranthene
 Concen: 10.52 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

Tot Ion:	202	Resp:	149747
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	16.6	0.0	38.1

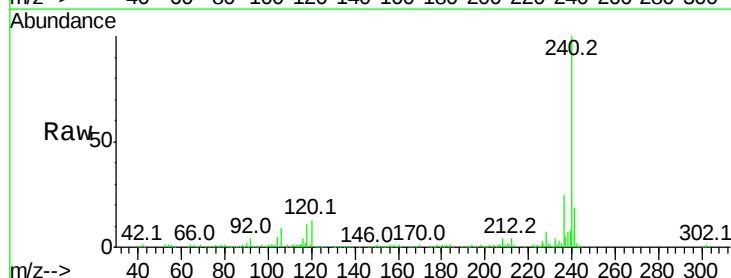


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

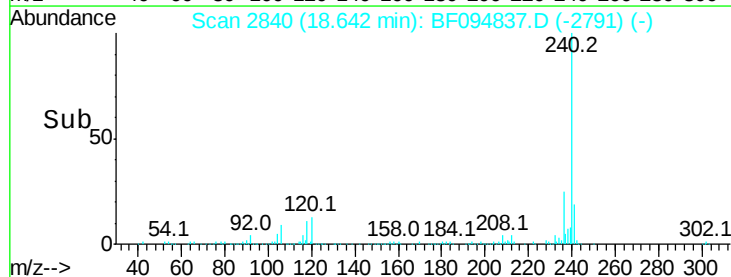
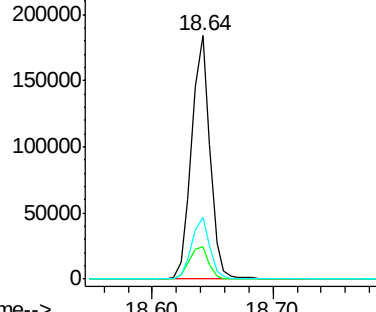


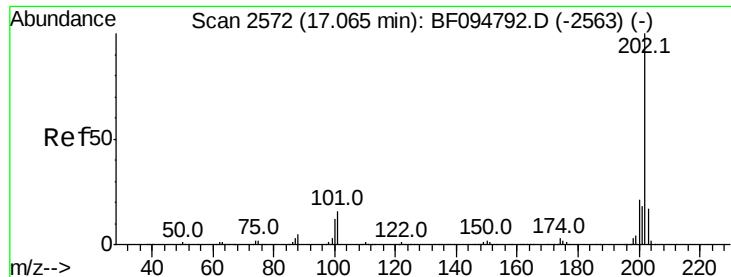
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094837.D
 Acq: 3 May 2017 15:50

Tgt Ion:	240	Resp:	193691
Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	25.3	20.5	30.7



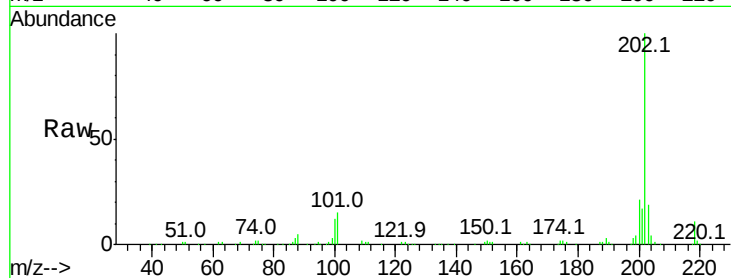
Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



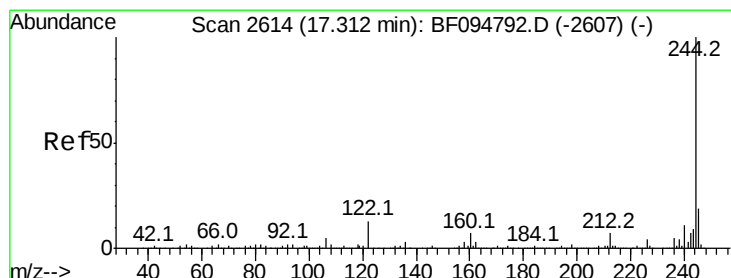
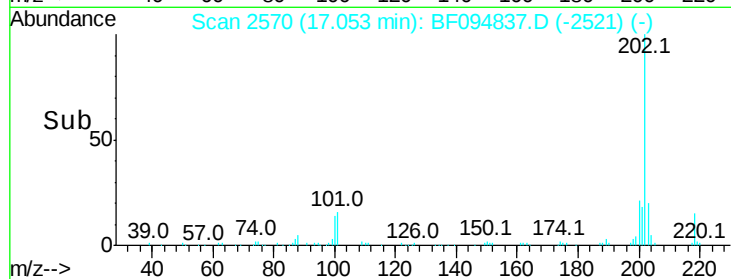
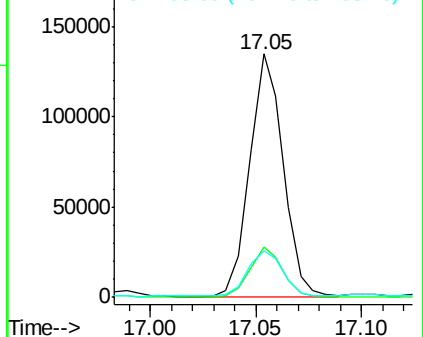


#77
Pvrene
Concen: 10.31 ng
RT: 17.05 min Scan# 2570
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	19.3	14.4	21.6

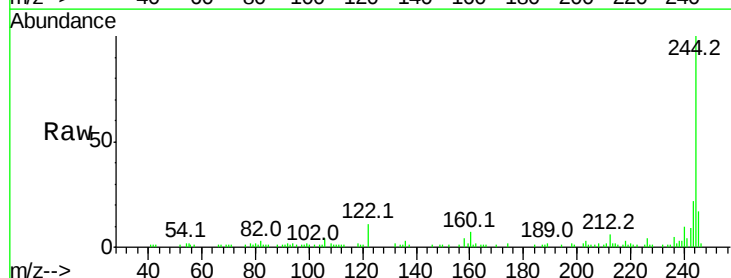


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

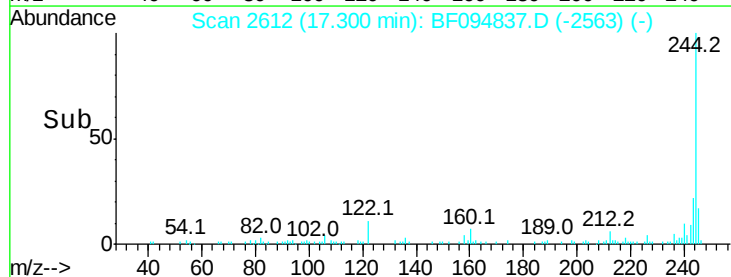
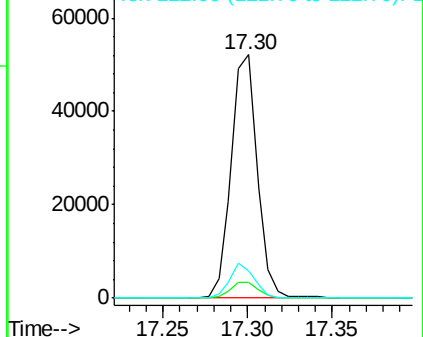


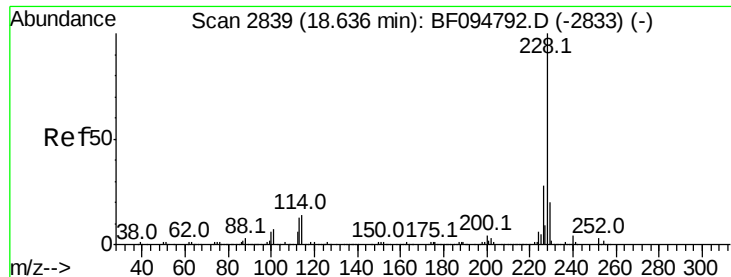
#78
Terphenyl-d14
Concen: 6.40 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	11.5	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





#80

Benzo(a)anthracene

Concen: 6.92 ng

RT: 18.67 min Scan# 2845

Delta R.T. 0.04 min

Lab File: BF094837.D

Acq: 3 May 2017 15:50

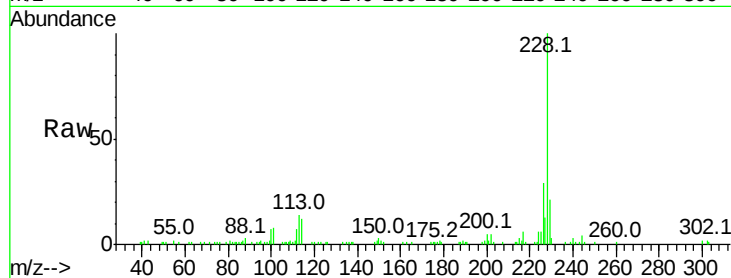
Tot Ion:228 Resp: 78044

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

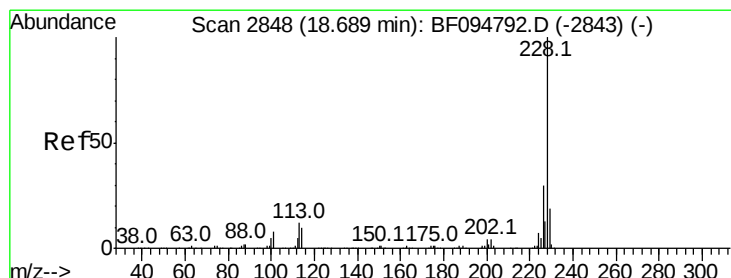
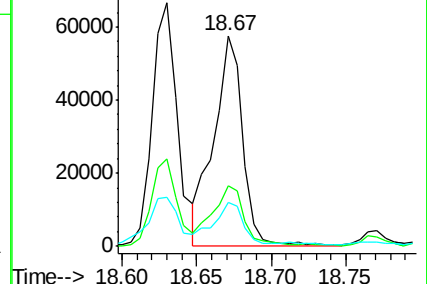
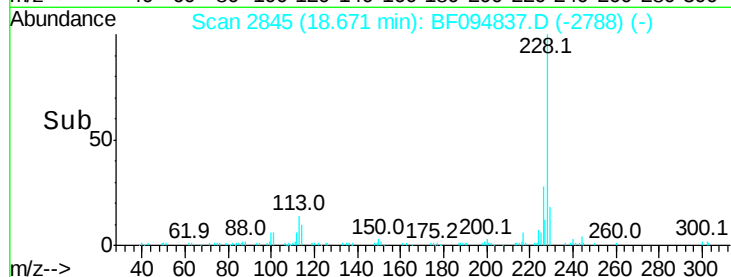
229 20.9 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.16 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094837.D

Acq: 3 May 2017 15:50

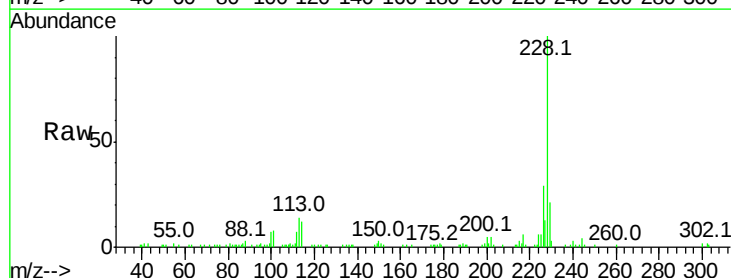
Tgt Ion:228 Resp: 78044

Ion Ratio Lower Upper

228 100

226 28.9 24.9 37.3

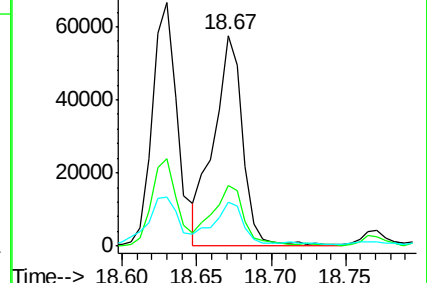
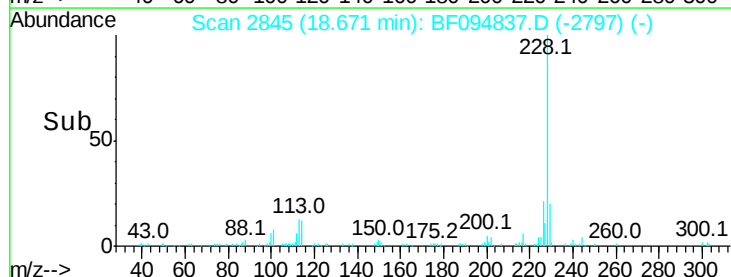
229 20.9 15.8 23.6

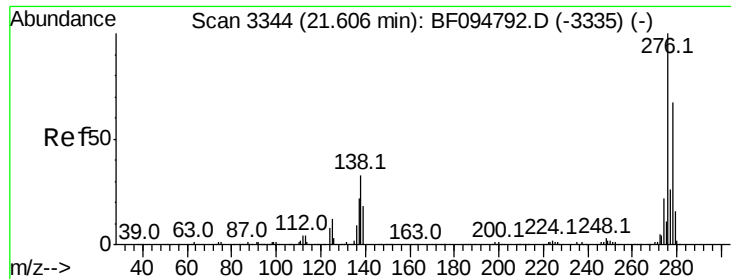


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

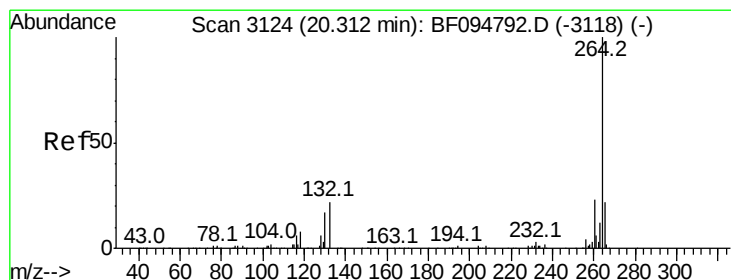
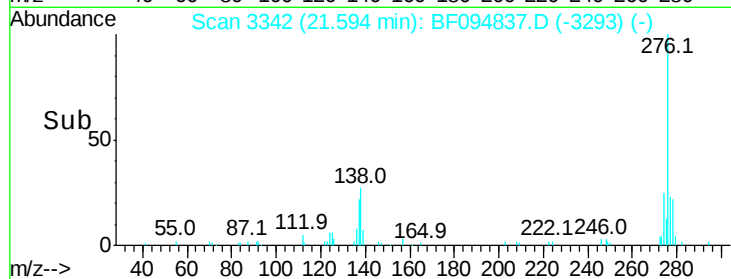
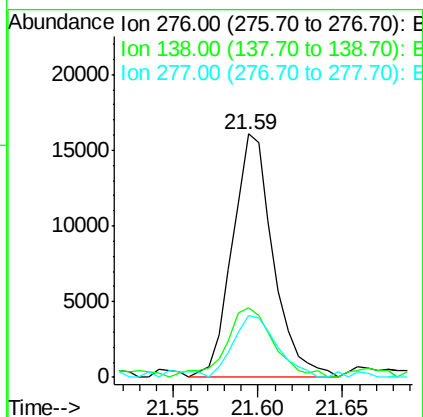
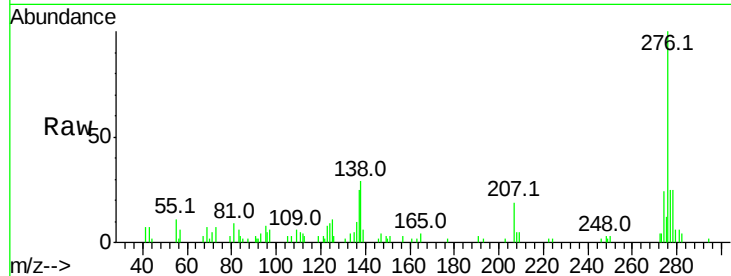
Ion 229.00 (228.70 to 229.70): E





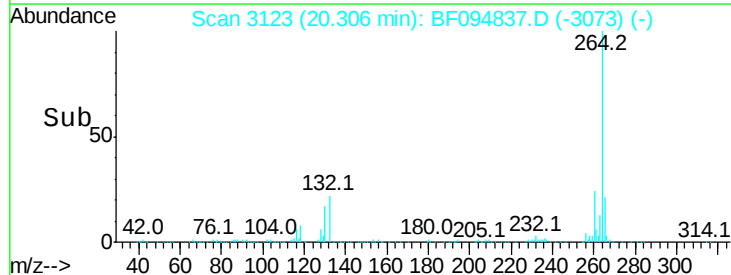
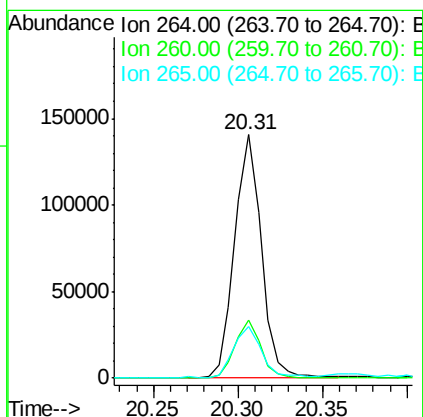
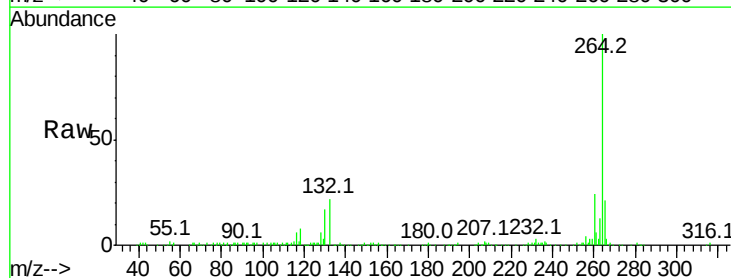
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.05 ng
RT: 21.59 min Scan# 3342
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

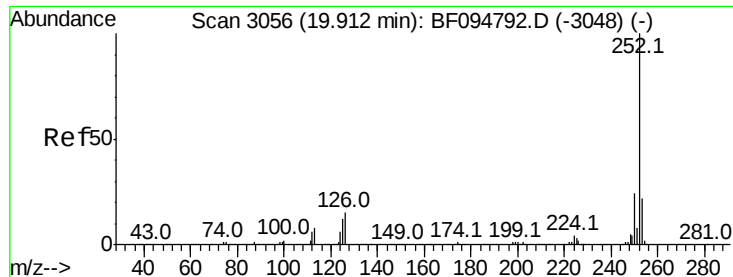
Tot Ion:276 Resp: 27013
Ion Ratio Lower Upper
276 100
138 33.4 27.8 41.6
277 27.1 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

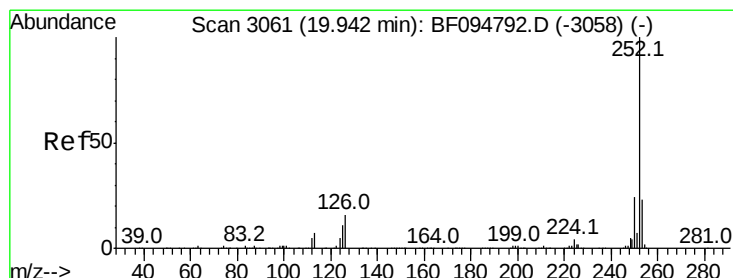
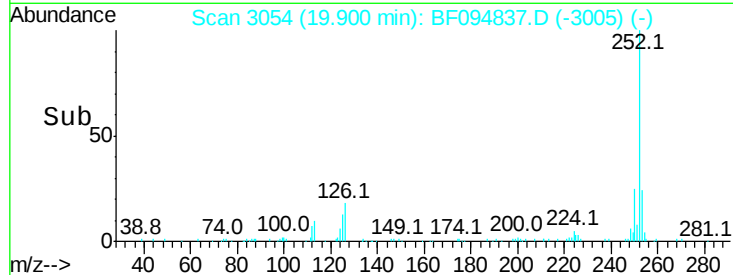
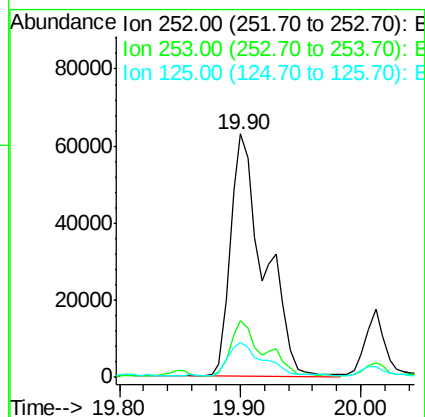
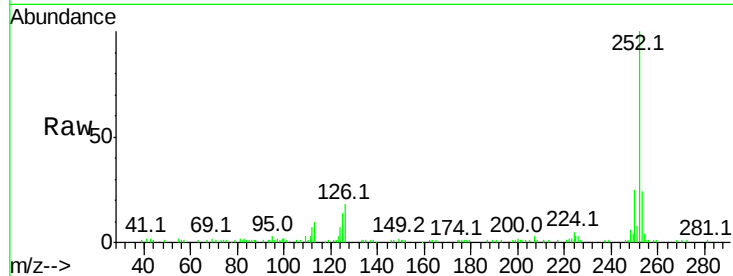
Tgt Ion:264 Resp: 155892
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 21.3 17.2 25.8





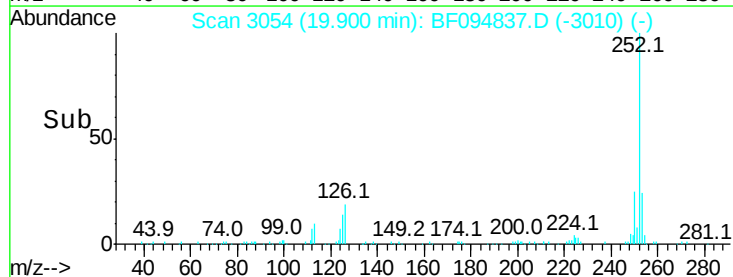
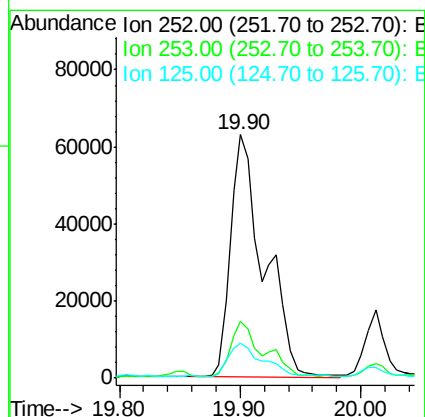
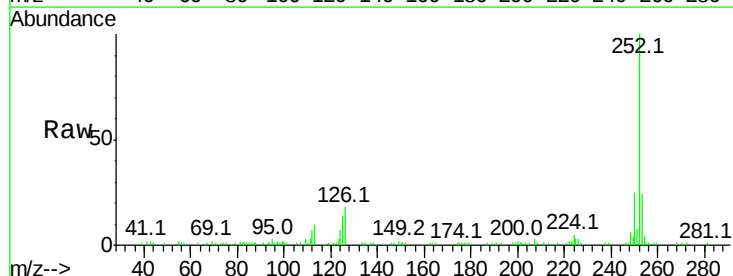
#87
Benzo(b)fluoranthene
Concen: 12.64 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

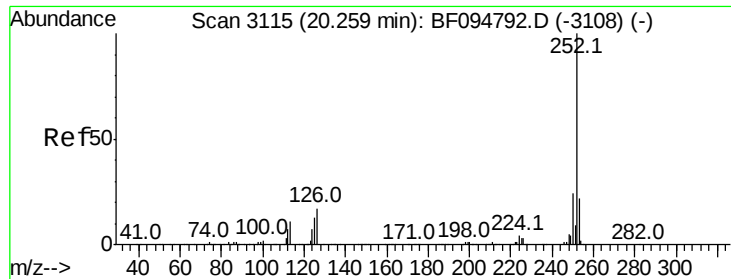
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	14.3	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 13.10 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

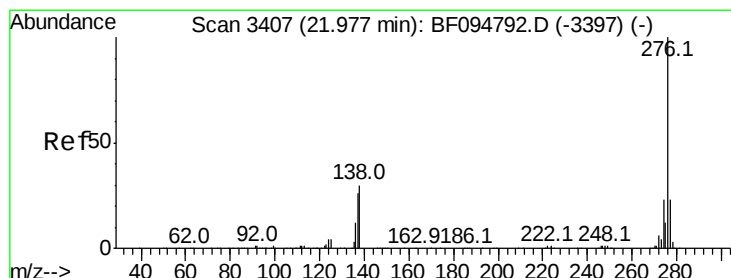
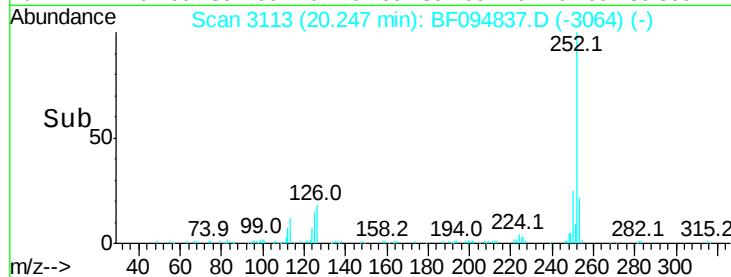
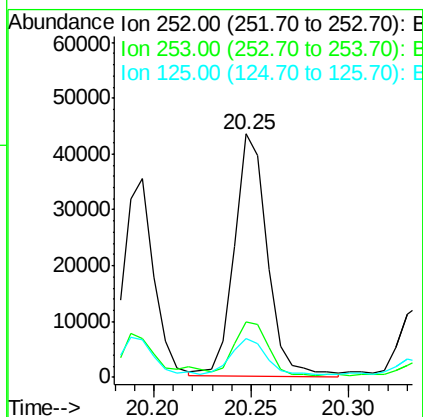
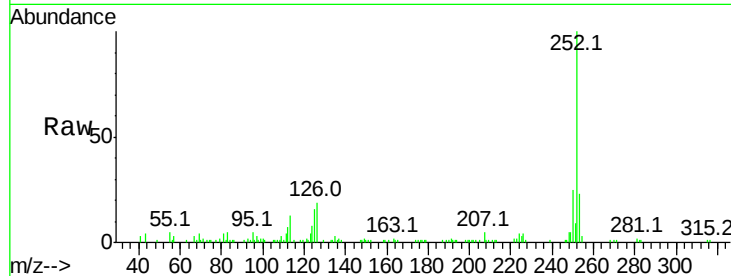
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	14.3	13.1	19.7





#89
Benzo(a)pyrene
Concen: 5.72 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tot Ion:252	Resp:	50828
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.5 26.3
125	16.1	11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 3.71 ng
RT: 21.97 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BF094837.D
Acq: 3 May 2017 15:50

Tgt Ion:276	Resp:	26732
Ion Ratio	Lower	Upper
276	100	
277	22.8	18.6 28.0
138	30.2	25.4 38.0

