

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095459.D
 Acq On : 26 May 2017 14:14
 Operator : SJ/MA
 Sample : I3240-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 26 16:41:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	95378	20.00	ng	-0.02
21) Naphthalene-d8	9.76	136	396040	20.00	ng	-0.02
38) Acenaphthene-d10	12.59	164	170483	20.00	ng	-0.03
63) Phenanthrene-d10	15.00	188	256779	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	188471	20.00	ng	-0.01
86) Perylene-d12	20.36	264	173819	20.00	ng	0.00

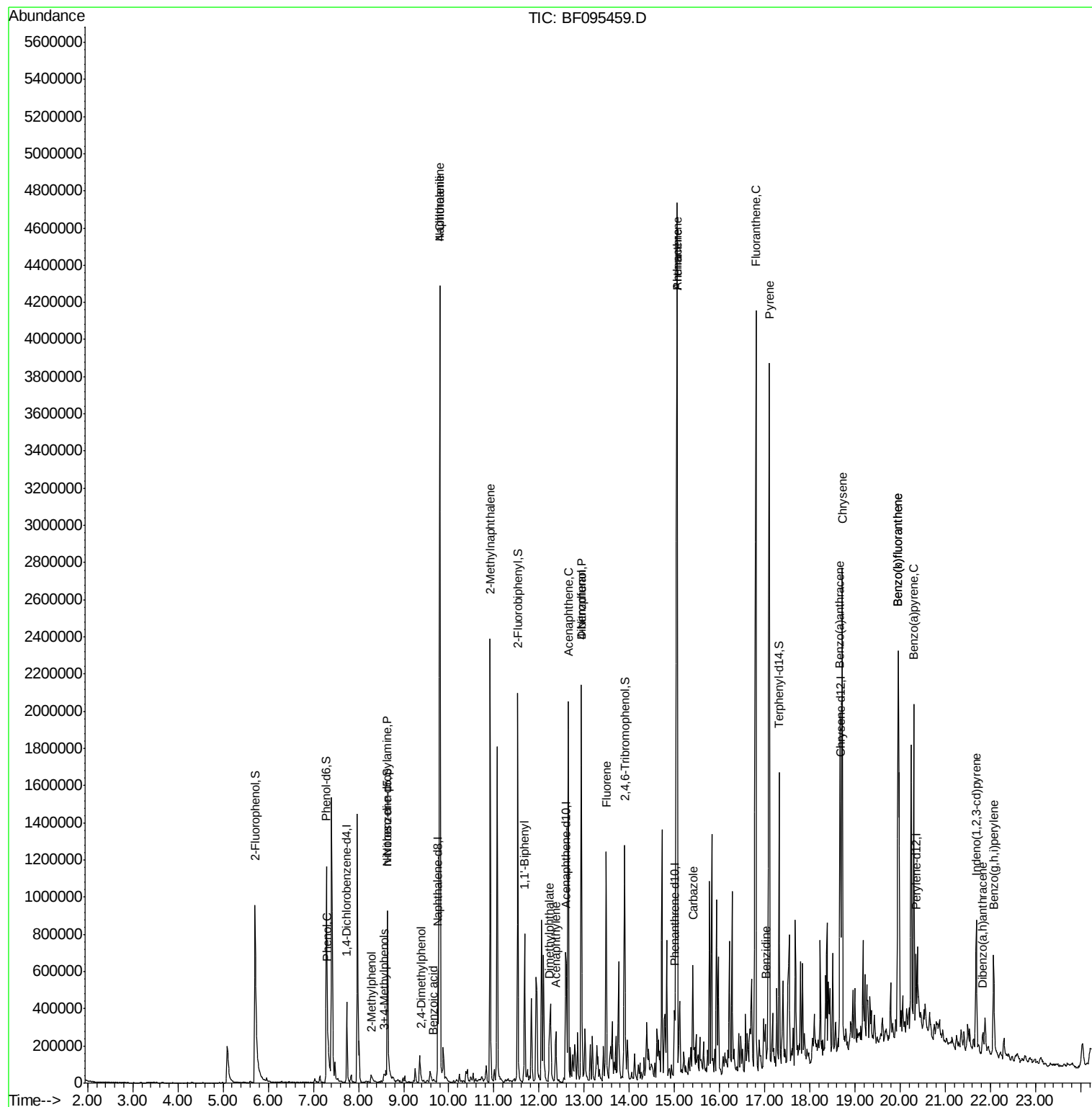
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	733907	128.29	ng	-0.03
7) Phenol-d6	7.29	99	864712	125.98	ng	-0.02
23) Nitrobenzene-d5	8.64	82	499167	79.48	ng	-0.03
41) 2,4,6-Tribromophenol	13.90	330	143677	102.91	ng	-0.02
44) 2-Fluorobiphenyl	11.53	172	885518	74.76	ng	-0.03
78) Terphenyl-d14	17.32	244	527334	61.63	ng	-0.03

Target Compounds				Qvalue		
10) Phenol	7.31	94	47640	6.59	ng	86
17) 2-Methylphenol	8.30	107	15436	2.90	ng	# 86
19) n-Nitroso-di-n-propylamine	8.64	70	62607	13.49	ng	# 76
20) 3+4-Methylphenols	8.57	107	48312	6.67	ng	# 63
27) 2,4-Dimethylphenol	9.39	122	12850	2.24	ng	98
31) Naphthalene	9.81	128	3293826	165.48	ng	99
32) Benzoic acid	9.67	122	7309	6.82	ng	# 14
33) 4-Chloroaniline	9.81	127	453810	61.18	ng	# 35
37) 2-Methylnaphthalene	10.92	142	976969	74.79	ng	98
45) 1,1'-Biphenyl	11.68	154	329350	22.95	ng	98
48) Acenaphthylene	12.37	152	39096	2.15	ng	# 82
49) Dimethylphthalate	12.22	163	161980	11.57	ng	98
51) Acenaphthene	12.65	154	623420	57.50	ng	99
54) Dibenzofuran	12.94	168	1169646	77.95	ng	99
55) 4-Nitrophenol	12.94	139	437330	237.59	ng	# 27
57) Fluorene	13.49	166	420286	32.21	ng	98
70) Phenanthrene	15.07	178	4257457	288.57	ng	100
71) Anthracene	15.07	178	4257457	282.50	ng	99
72) Carbazole	15.41	167	355512	25.93	ng	98
74) Fluoranthene	16.81	202	2930143	193.61	ng	99
76) Benzidine	17.01	184	115	6.61	ng	# 62
77) Pyrene	17.11	202	2590531	183.78	ng	100
80) Benzo(a)anthracene	18.67	228	912635	83.20	ng	99
82) Chrysene	18.72	228	1239871	116.90	ng	97
85) Indeno(1,2,3-cd)pyrene	21.69	276	433475	50.33	ng	93
87) Benzo(b)fluoranthene	19.96	252	1733994	161.44	ng	97
88) Benzo(k)fluoranthene	19.96	252	1733994	167.37	ng	98
89) Benzo(a)pyrene	20.31	252	834514	84.20	ng	98
90) Dibenzo(a,h)anthracene	21.83	278	70353	8.60	ng	96
91) Benzo(g,h,i)perylene	22.07	276	410912	51.16	ng	98

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095459.D
Acq On : 26 May 2017 14:14
Operator : SJ/MA
Sample : I3240-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 26 16:41:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

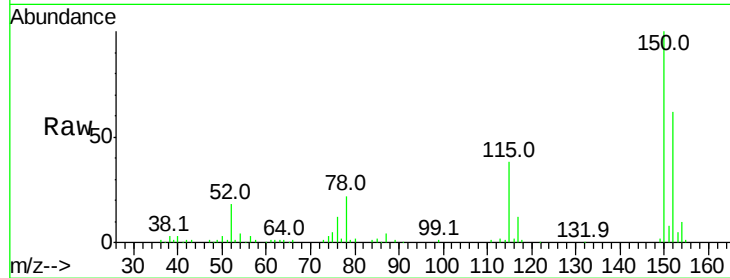




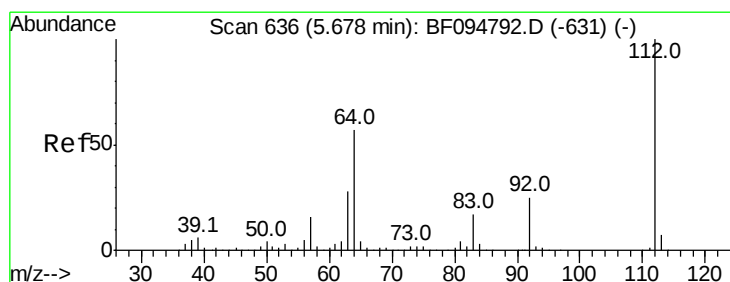
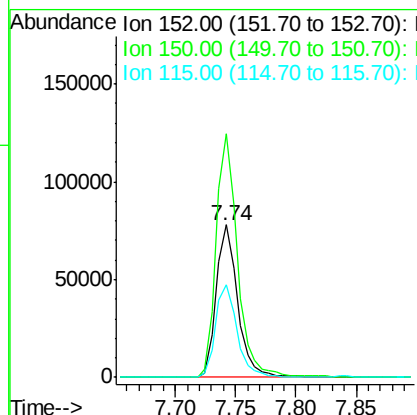
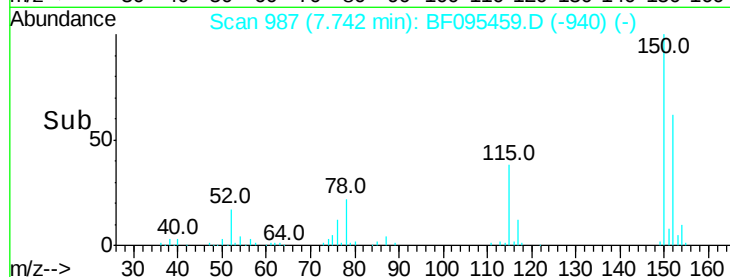
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tot Ion:152 Resp: 95378
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 61.1 52.2 78.2



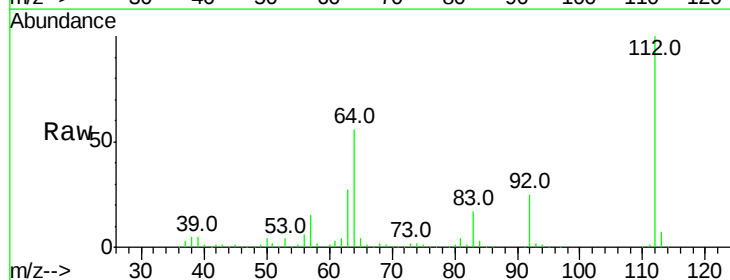
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



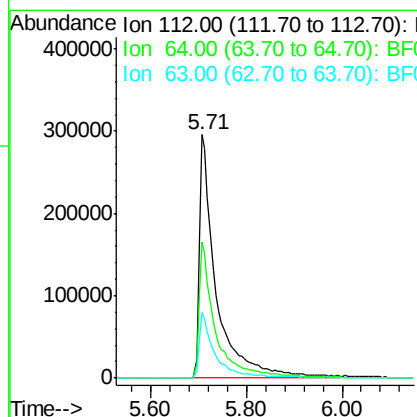
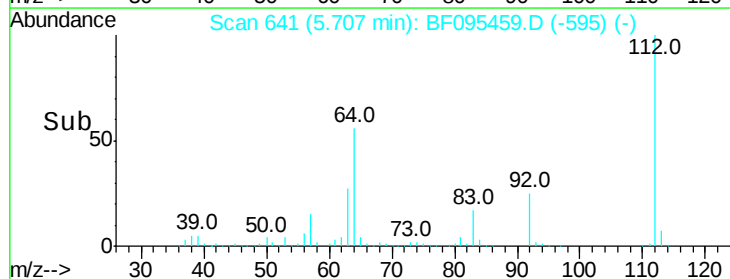
#5

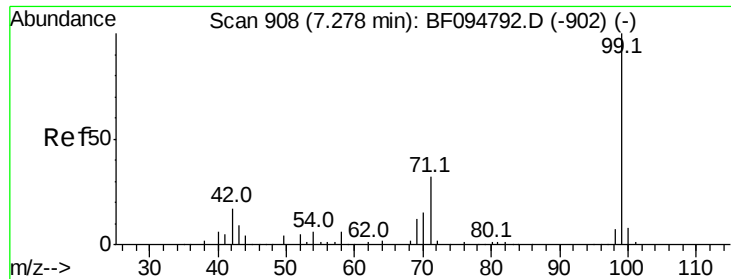
2-Fluorophenol
Concen: 128.29 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.03 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tgt Ion:112 Resp: 733907
Ion Ratio Lower Upper
112 100
64 55.7 46.0 69.0
63 26.7 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: 125.98 ng

RT: 7.29 min Scan# 910

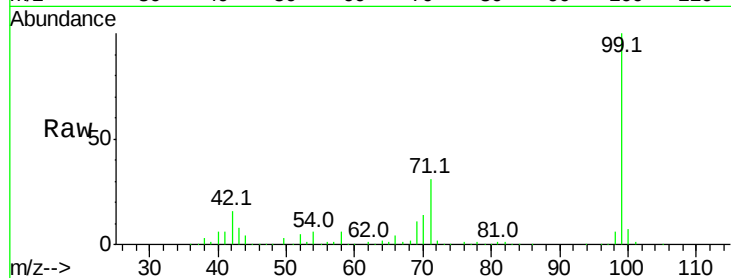
Delta R.T. -0.02 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tot Ion: 99 Resp: 864712

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.5	20.3
71	30.9	24.5	36.7

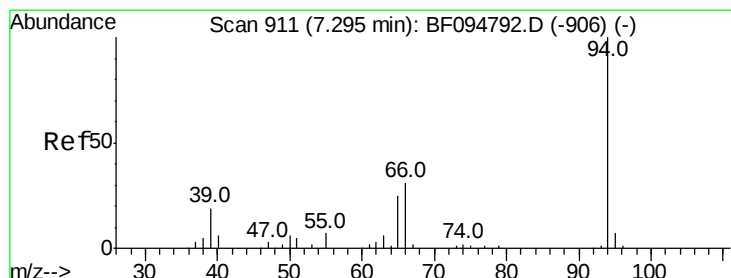
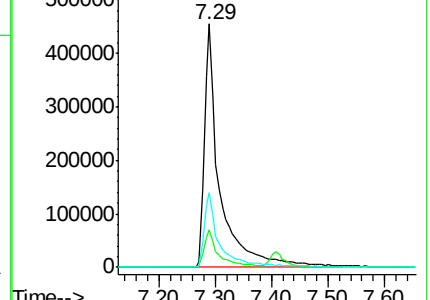
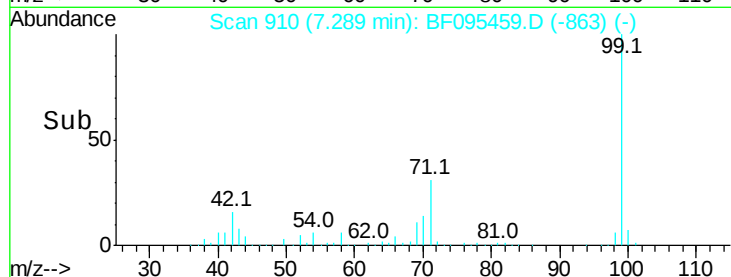


Abundance

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



#10

Phenol

Concen: 6.59 ng

RT: 7.31 min Scan# 914

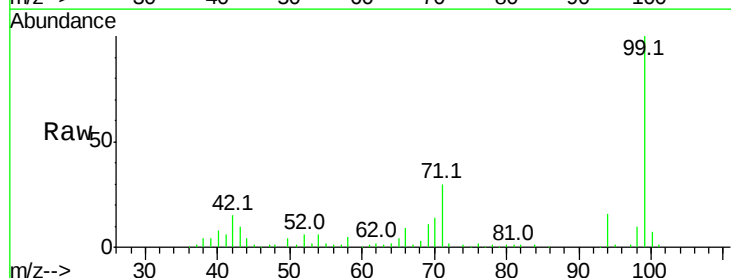
Delta R.T. -0.02 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tgt Ion: 94 Resp: 47640

Ion	Ratio	Lower	Upper
94	100		
65	25.7	9.9	49.9
66	54.5	23.1	63.1

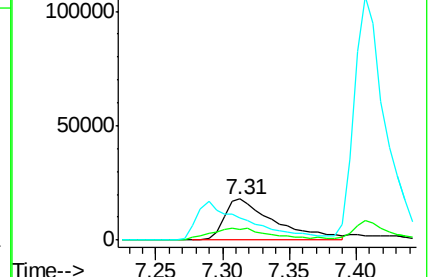
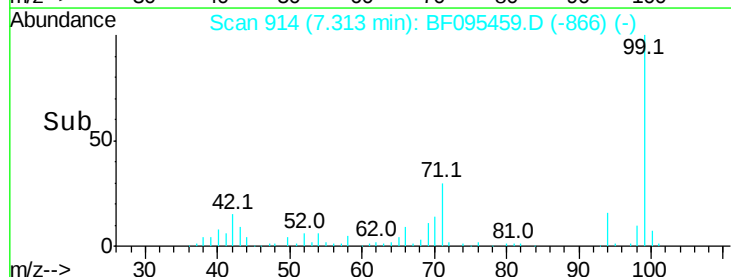


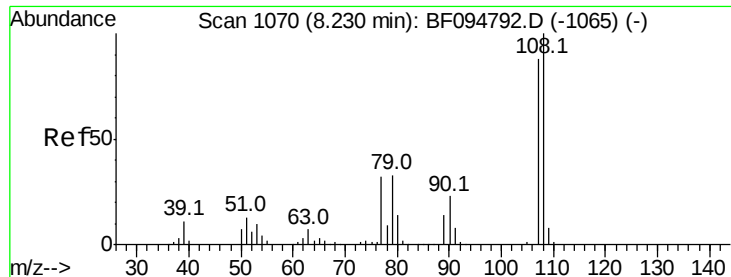
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

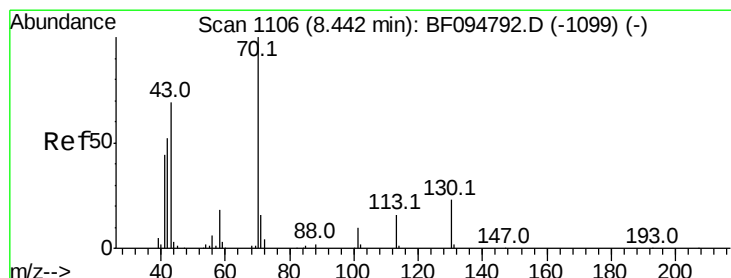
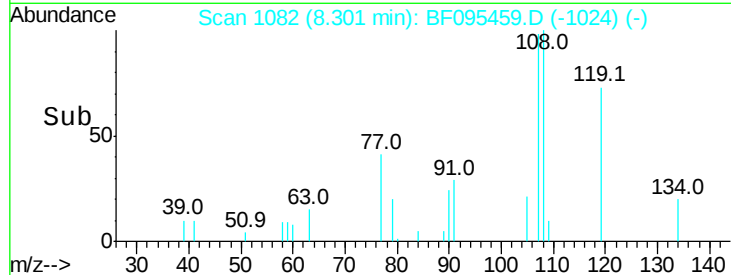
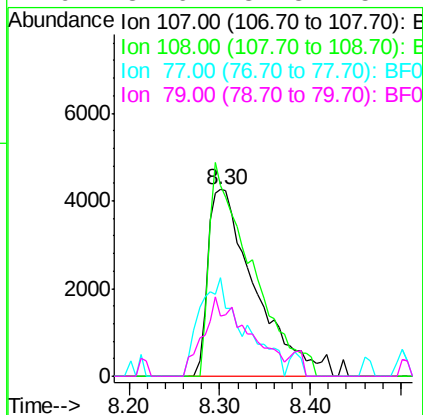
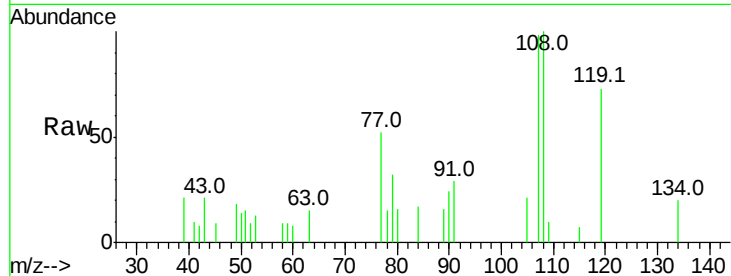
Ion 66.00 (65.70 to 66.70): BF0





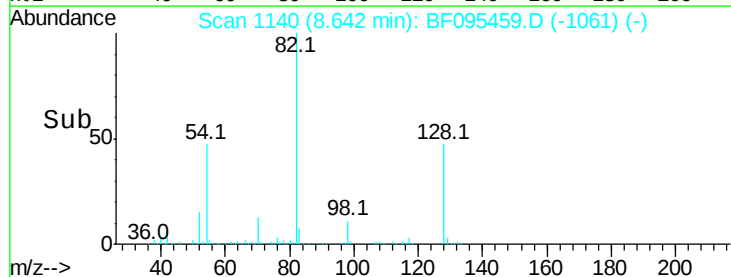
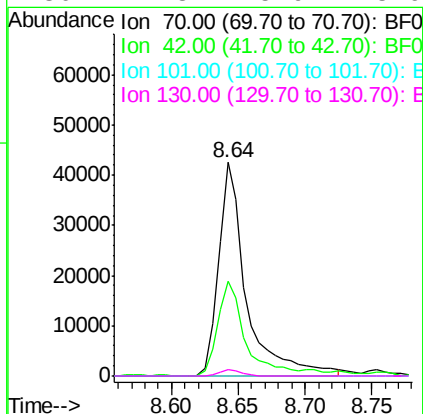
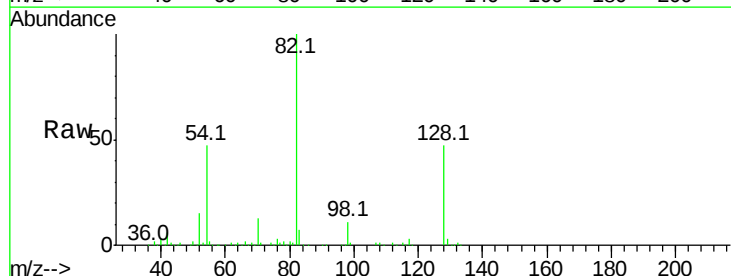
#17
 2-Methylphenol
 Concen: 2.90 ng
 RT: 8.30 min Scan# 1082
 Delta R.T. 0.04 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

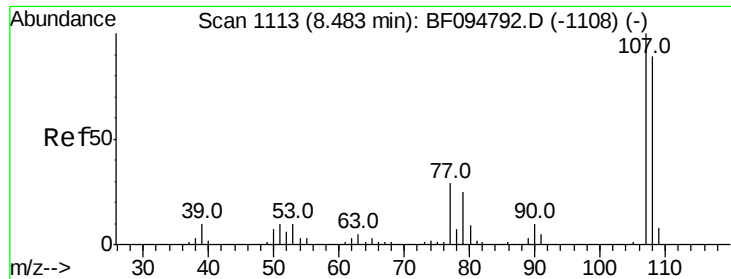
Tot Ion:	107	Resp:	15436
Ion	Ratio	Lower	Upper
107	100		
108	102.0	93.4	140.0
77	53.0	35.8	53.6
79	32.6	34.8	52.2#



#19
 n-Nitroso-di-n-propylamine
 Concen: 13.49 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. 0.16 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tgt Ion:	70	Resp:	62607
Ion	Ratio	Lower	Upper
70	100		
42	44.2	47.2	70.8#
101	0.0	7.2	10.8#
130	2.8	15.9	23.9#





#20

3+4-Methylphenols

Concen: 6.67 ng

RT: 8.57 min Scan# 1127

Delta R.T. 0.05 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tot Ion:107 Resp: 48312

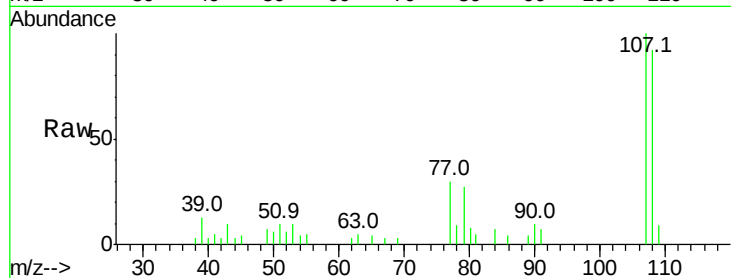
Ion Ratio Lower Upper

107 100

108 91.8 71.0 111.0

77 29.7 90.5 130.5#

79 26.9 8.4 48.4

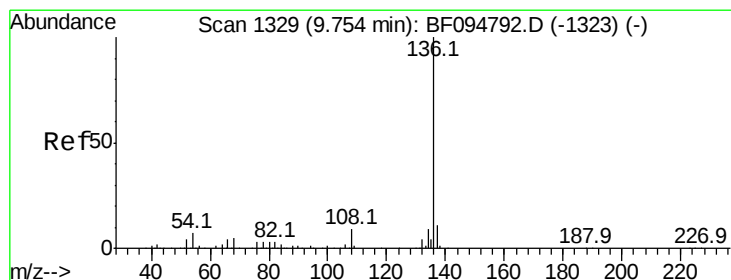
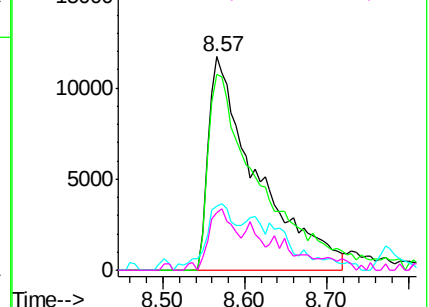
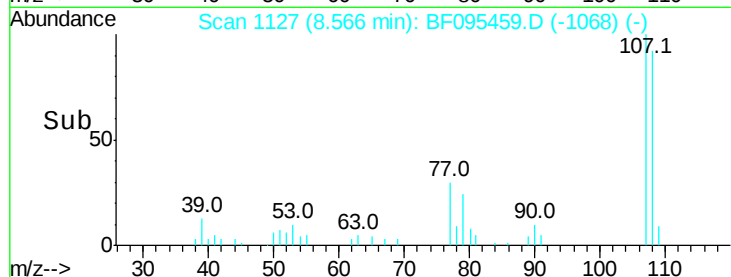


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.76 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tgt Ion:136 Resp: 396040

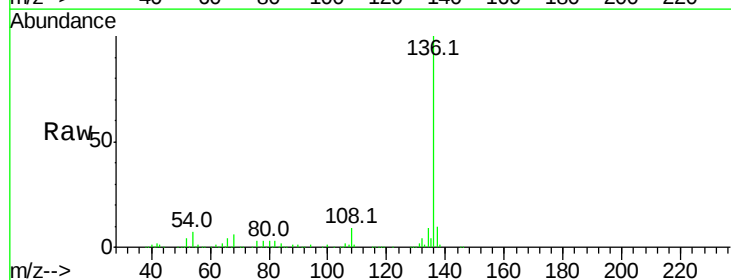
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.8 4.9 7.3

68 5.6 4.1 6.1

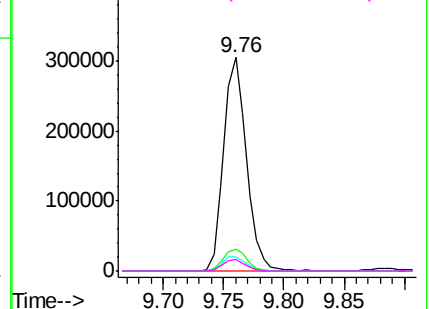
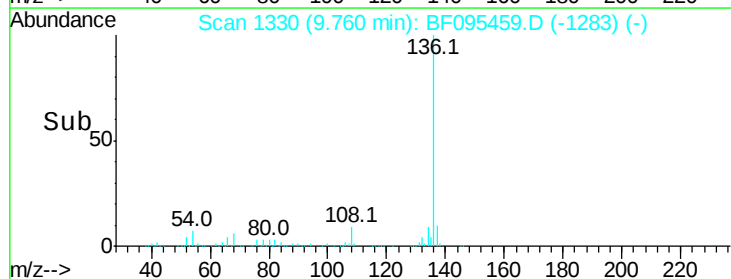


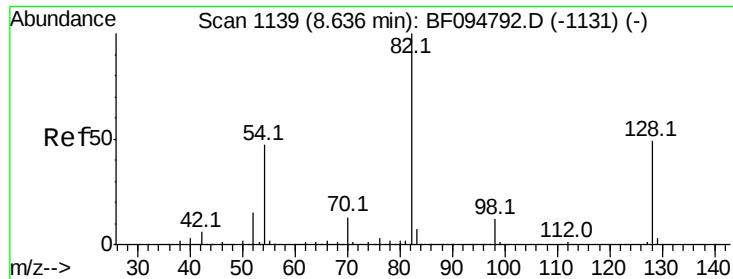
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

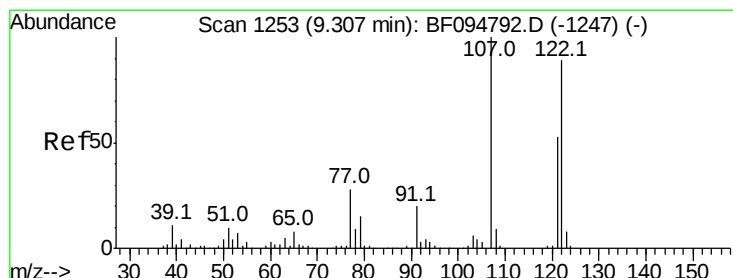
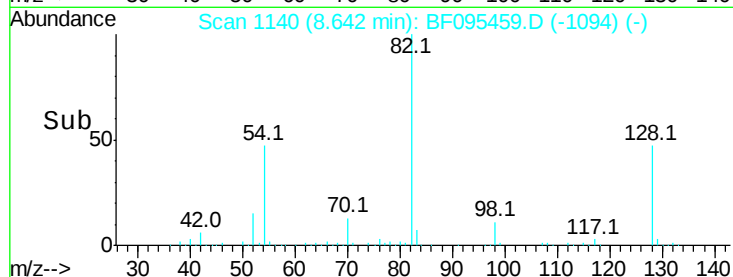
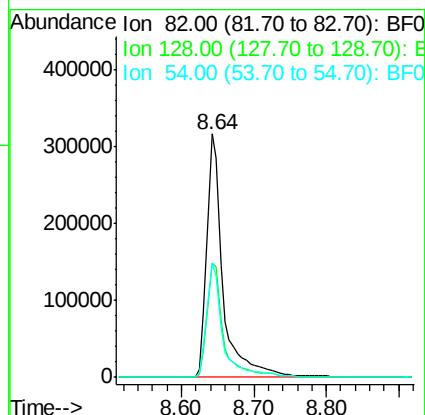
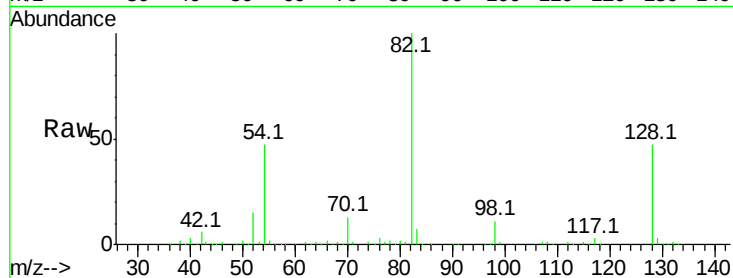
Ion 68.00 (67.70 to 68.70): BF0





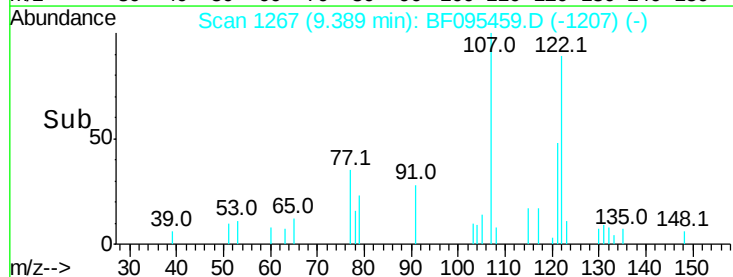
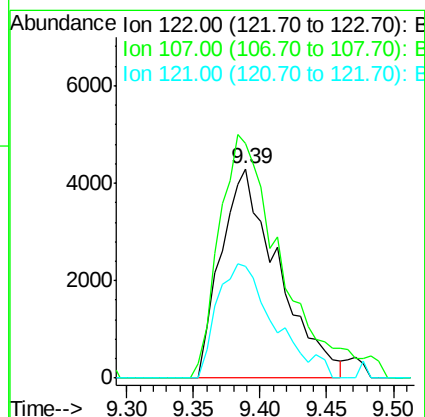
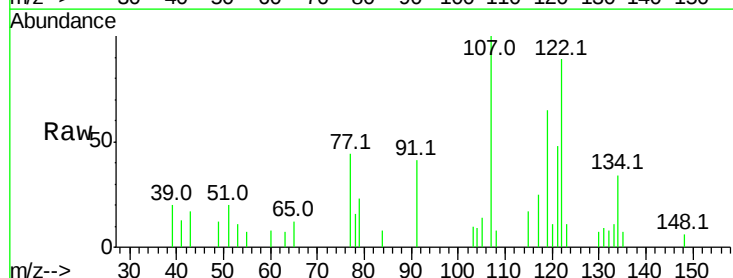
#23
 Nitrobenzene-d5
 Concen: 79.48 ng
 RT: 8.64 min Scan# 1140
 Delta R.T. -0.03 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

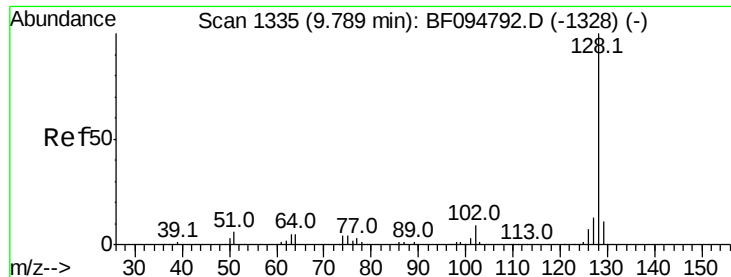
Tot Ion:	82	Resp:	499167
Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	47.0	42.2	63.2



#27
 2,4-Dimethylphenol
 Concen: 2.24 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. 0.05 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

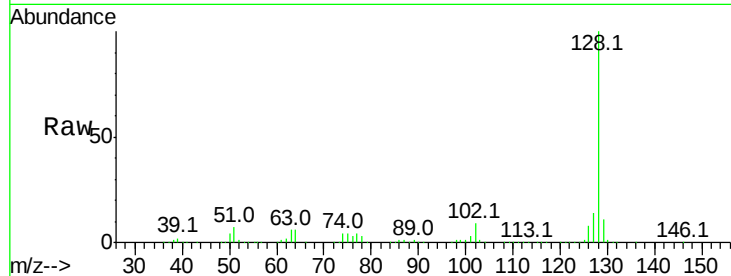
Tgt Ion:	122	Resp:	12850
Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.2	133.8
121	53.4	45.2	67.8



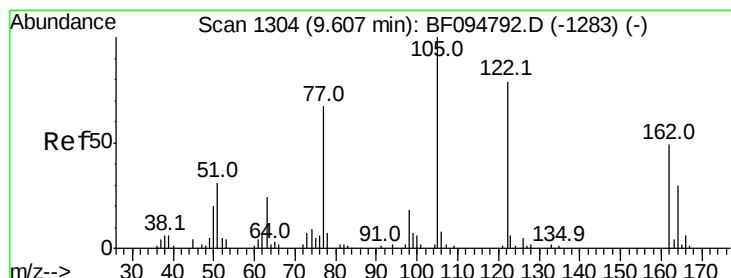
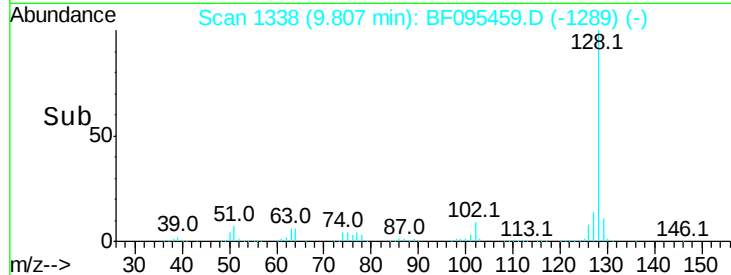
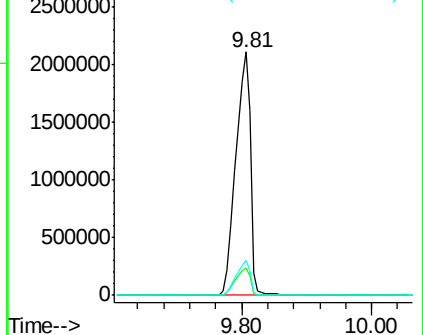


#31
Naphthalene
Concen: 165.48 ng
RT: 9.81 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tot Ion:128 Resp: 3293826
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.6
127 14.2 10.8 16.2

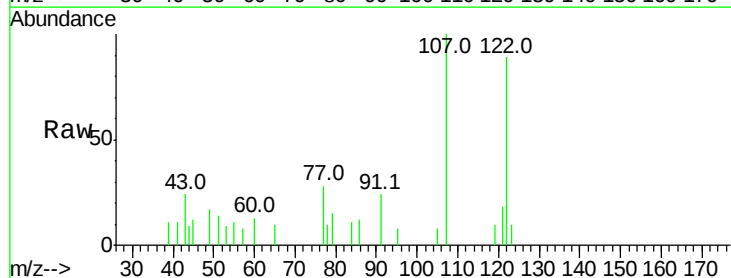


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

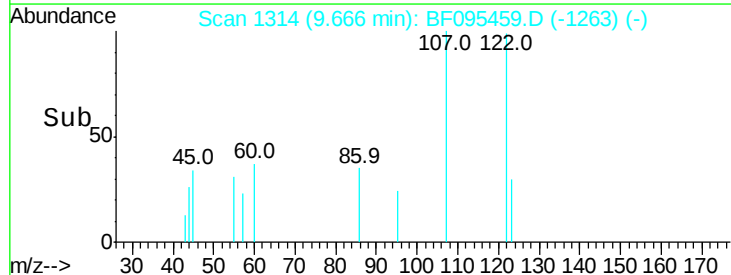
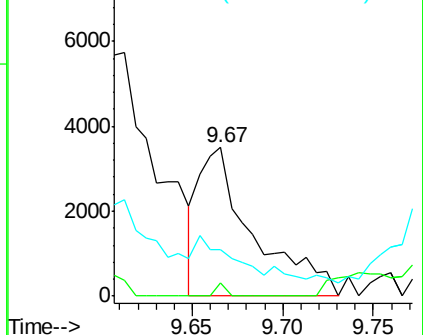


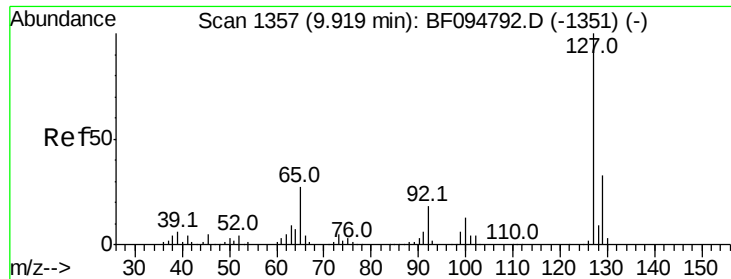
#32
Benzoic acid
Concen: 6.82 ng
RT: 9.67 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tgt Ion:122 Resp: 7309
Ion Ratio Lower Upper
122 100
105 8.7 103.3 143.3#
77 30.9 73.7 113.7#



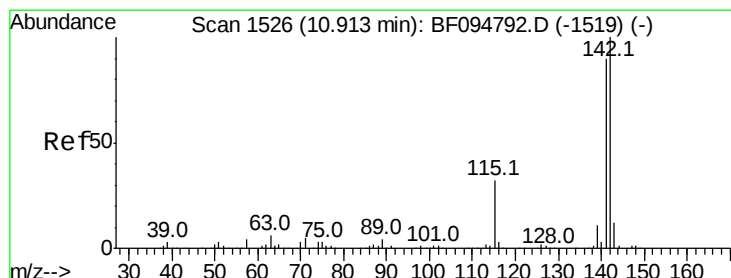
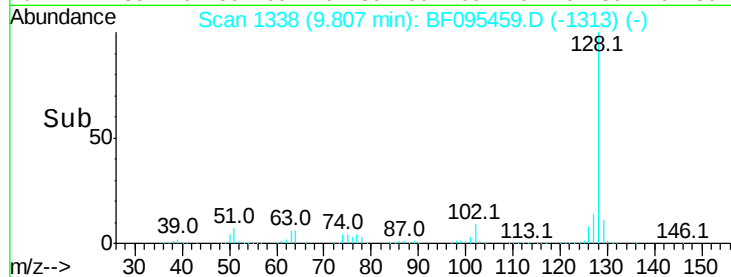
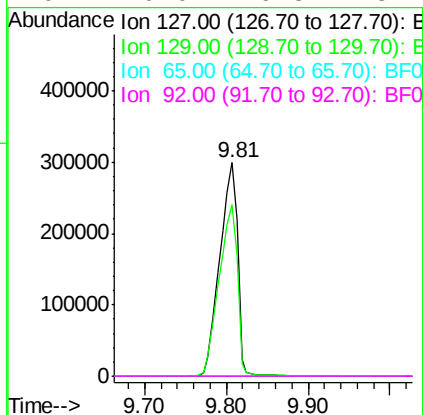
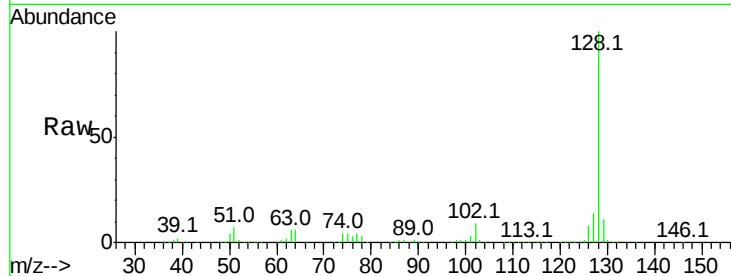
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





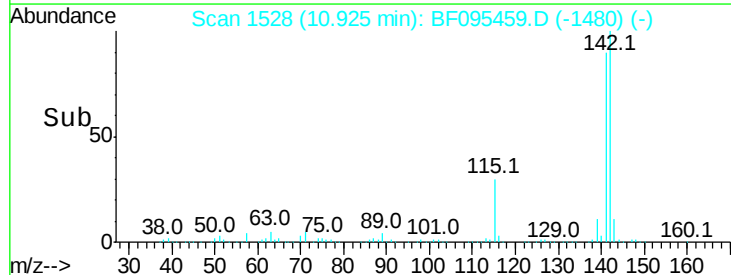
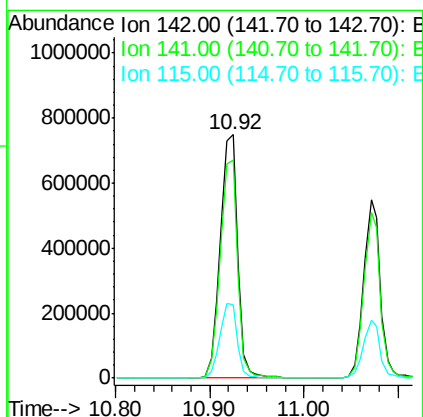
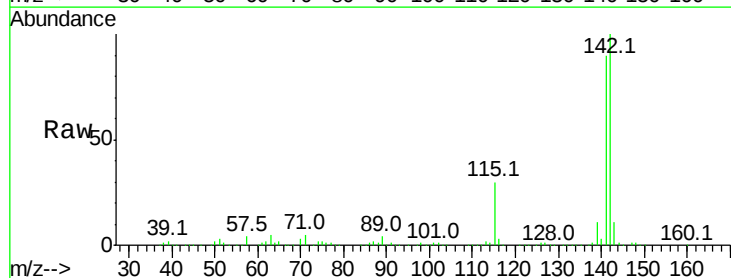
#33
4-Chloroaniline
Concen: 61.18 ng
RT: 9.81 min Scan# 1338
Delta R.T. -0.15 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

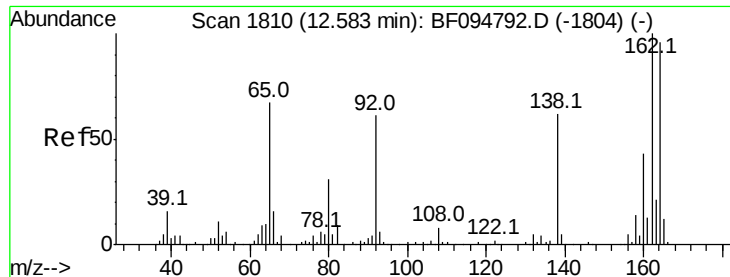
Tot Ion:	127	Resp:	453810
Ion	Ratio	Lower	Upper
127	100		
129	80.1	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
2-Methylnaphthalene
Concen: 74.79 ng
RT: 10.92 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

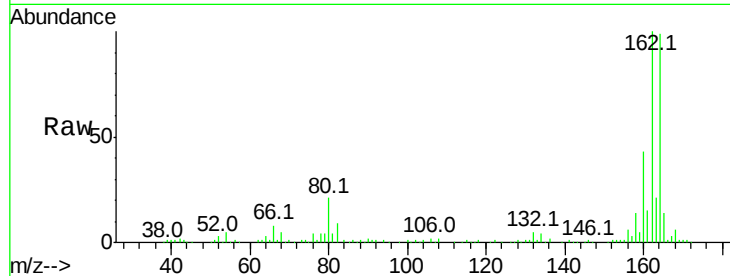
Tgt Ion:	142	Resp:	976969
Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	30.4	27.1	40.7



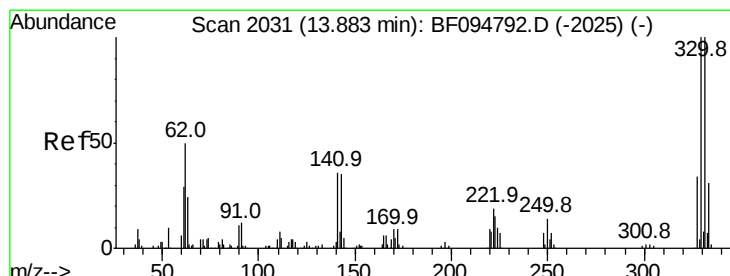
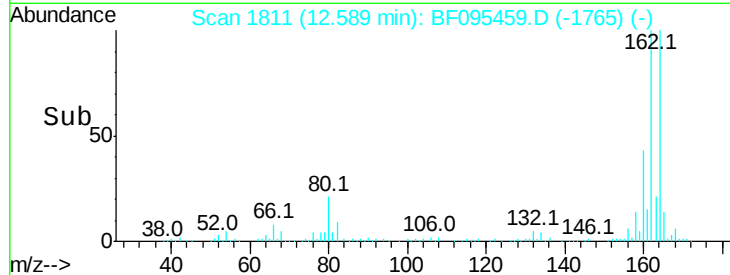
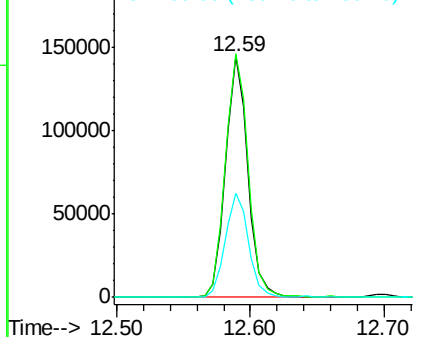


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1811
 Delta R.T. -0.03 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	43.5	36.2	54.2

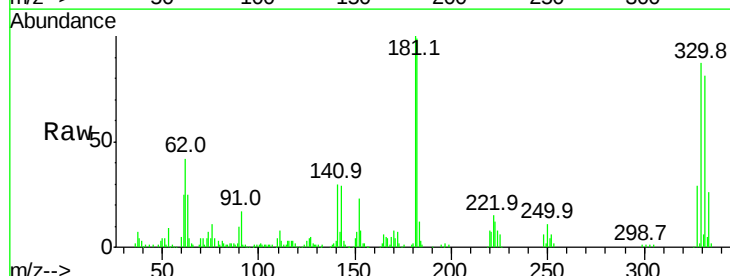


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

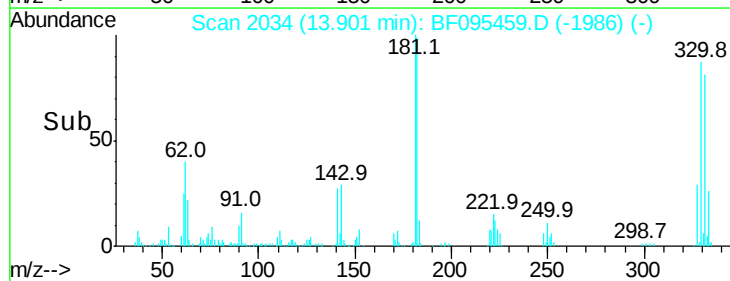
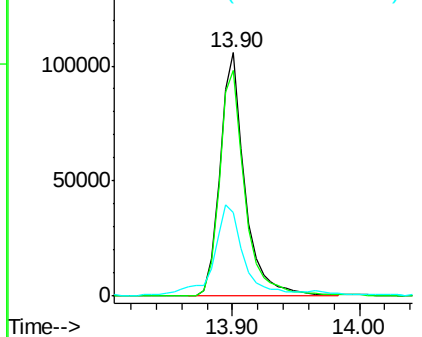


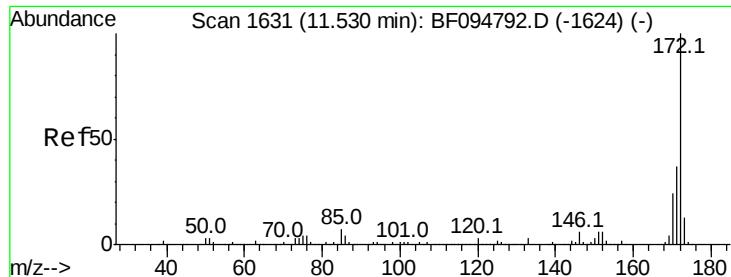
#41
 2,4,6-Tribromophenol
 Concen: 102.91 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	44.2	31.4	47.2



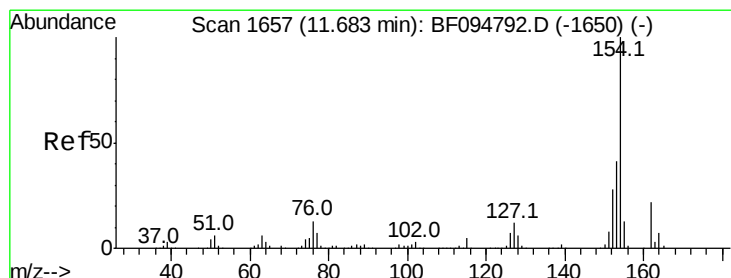
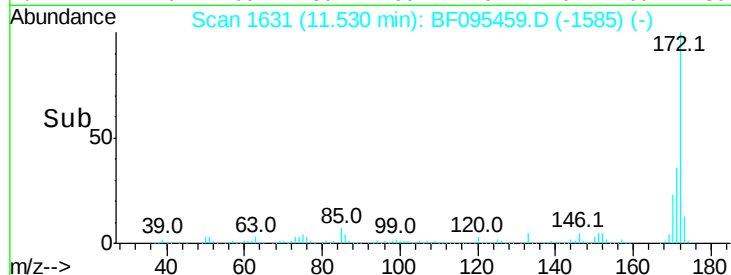
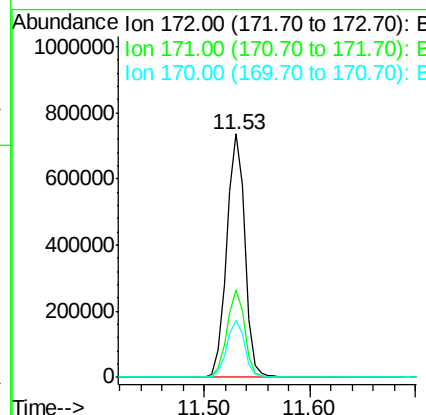
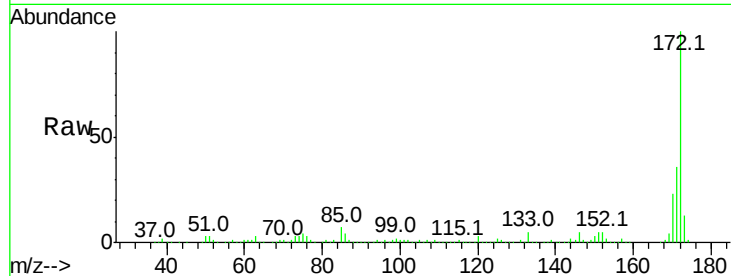
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





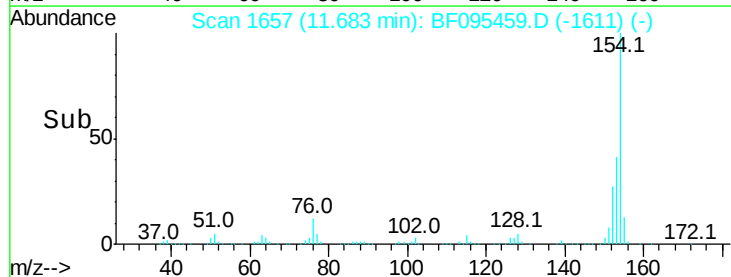
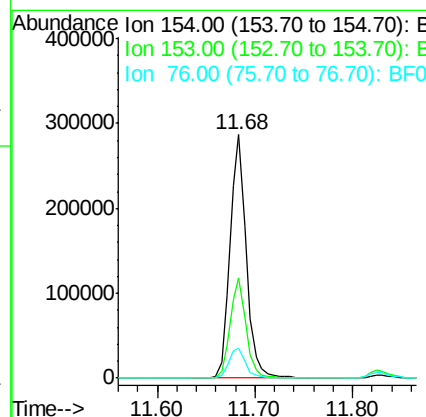
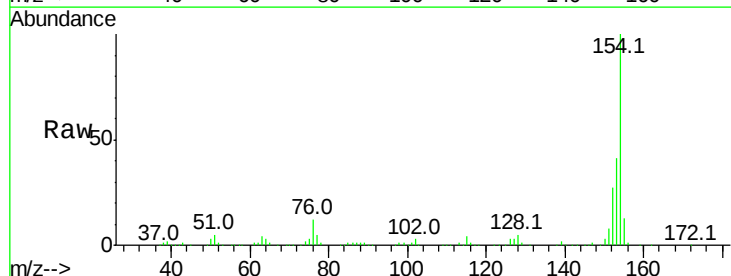
#44
2-Fluorobiphenyl
Concen: 74.76 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.03 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

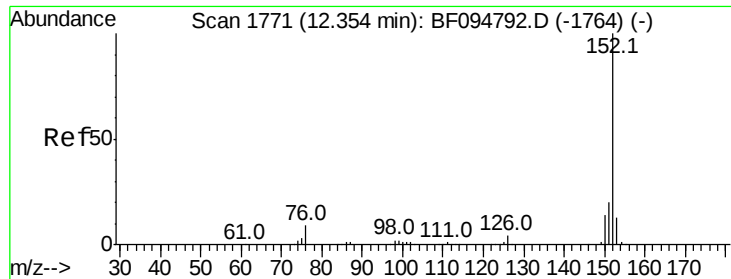
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.1	19.8	29.8



#45
1,1'-Biphenyl
Concen: 22.95 ng
RT: 11.68 min Scan# 1657
Delta R.T. -0.03 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.2	61.2
76	12.4	0.0	29.9





#48

Acenaphthylene

Concen: 2.15 ng

RT: 12.37 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

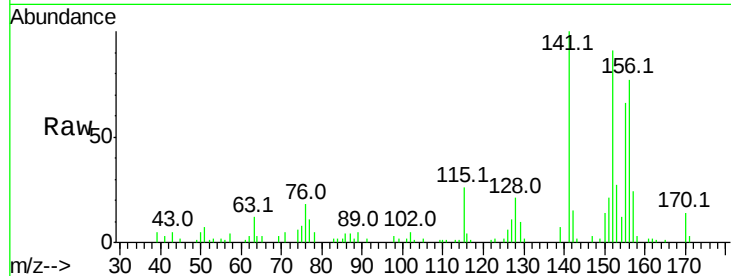
Tot Ion:152 Resp: 39096

Ion Ratio Lower Upper

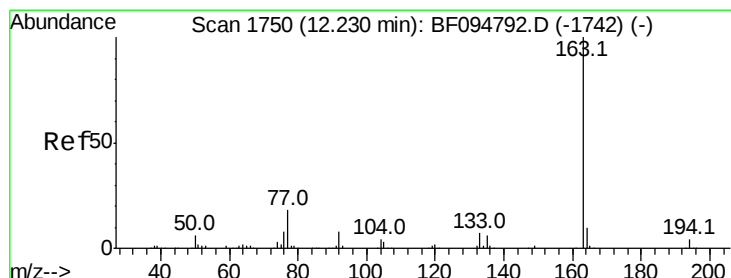
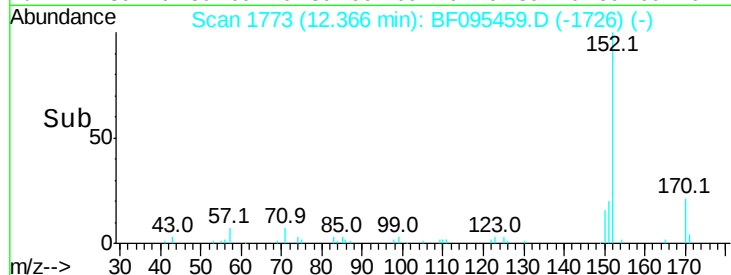
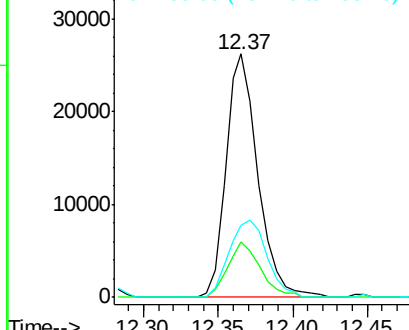
152 100

151 22.9 16.8 25.2

153 29.7 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



#49

Dimethylphthalate

Concen: 11.57 ng

RT: 12.22 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

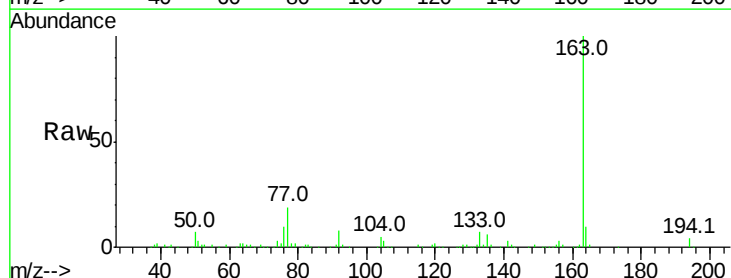
Tgt Ion:163 Resp: 161980

Ion Ratio Lower Upper

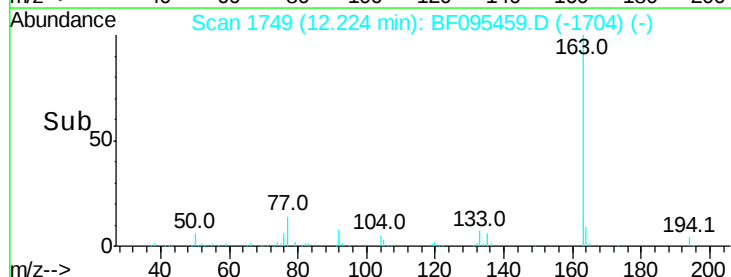
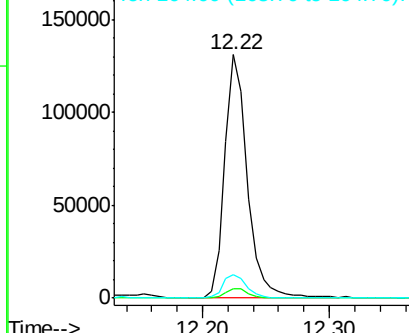
163 100

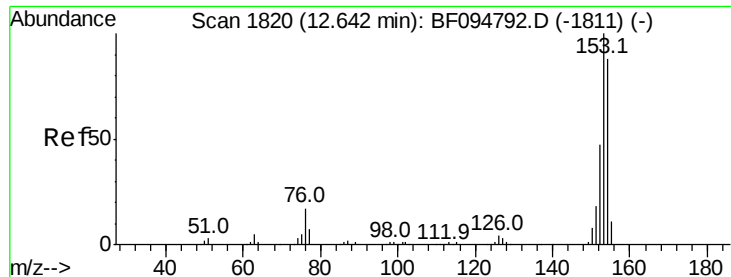
194 3.8 2.6 4.0

164 9.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 57.50 ng

RT: 12.65 min Scan# 1821

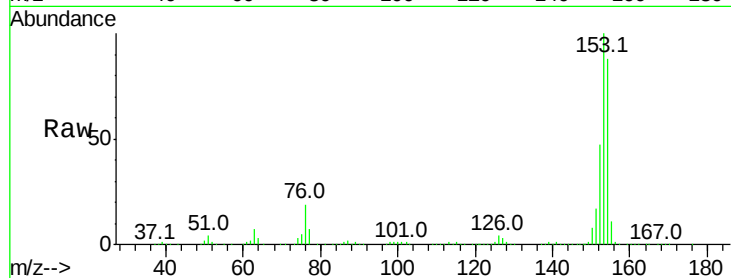
Delta R.T. -0.02 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tot Ion:154 Resp: 623420

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.5	135.7
152	53.7	43.6	65.4

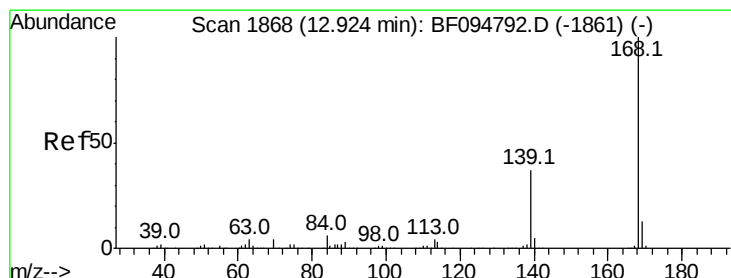
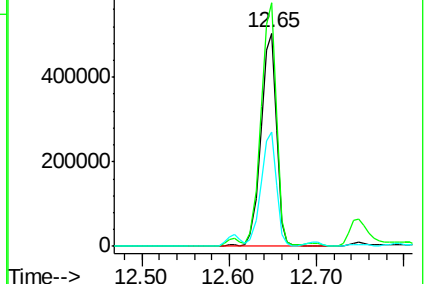
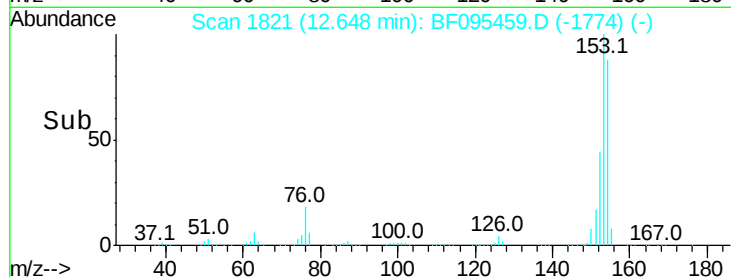


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 77.95 ng

RT: 12.94 min Scan# 1870

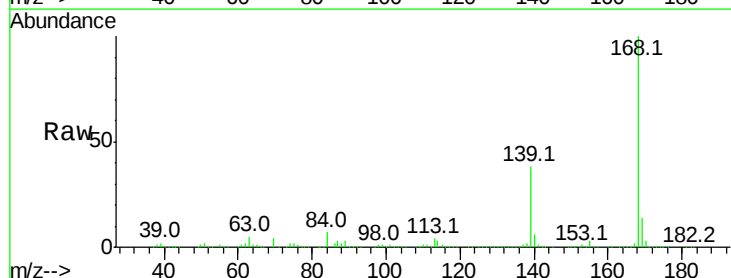
Delta R.T. -0.02 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tgt Ion:168 Resp: 1169646

Ion	Ratio	Lower	Upper
168	100		
139	37.7	30.6	45.8
169	13.8	10.8	16.2

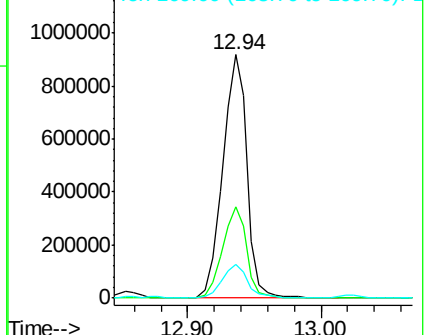
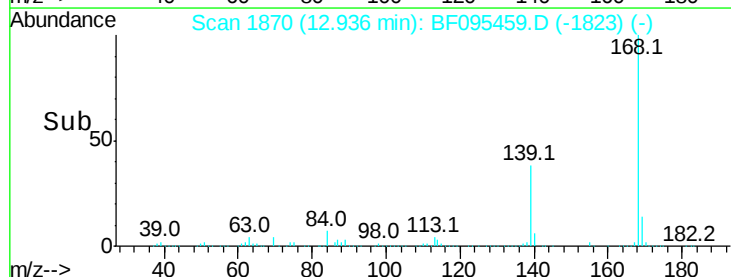


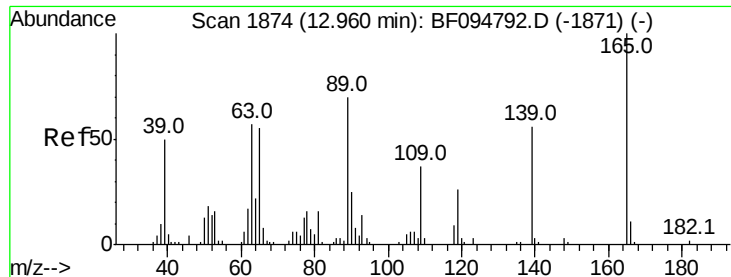
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

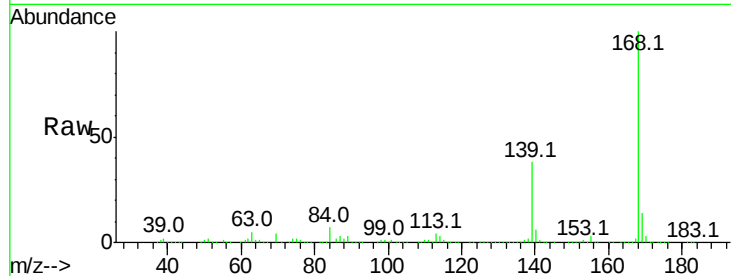
Ion 169.00 (168.70 to 169.70): E



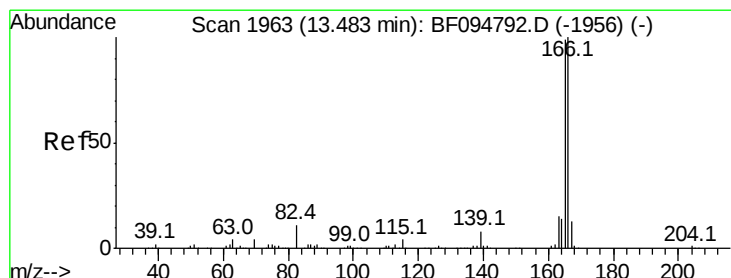
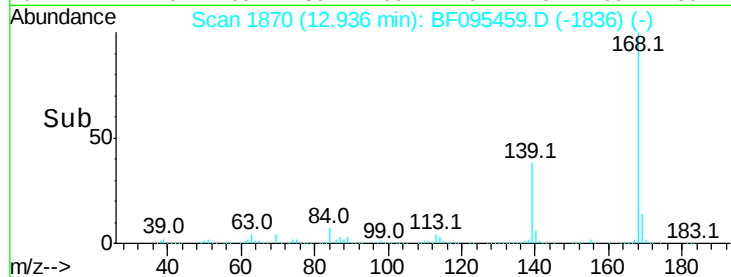
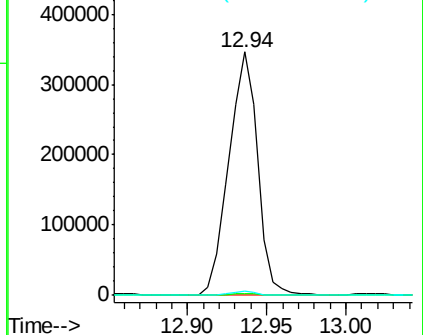


#55
4-Nitrophenol
Concen: 237.59 ng
RT: 12.94 min Scan# 1870
Delta R.T. -0.10 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.8	34.1	74.1#
65	1.5	31.4	71.4#

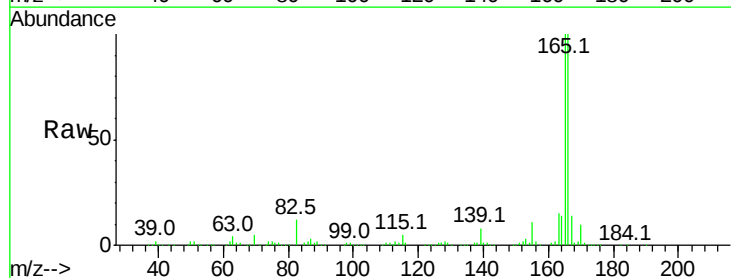


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

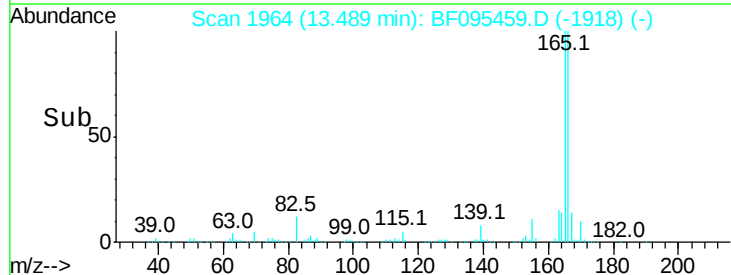
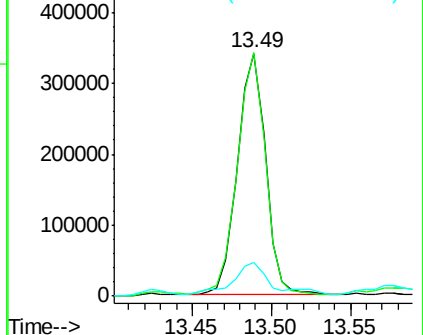


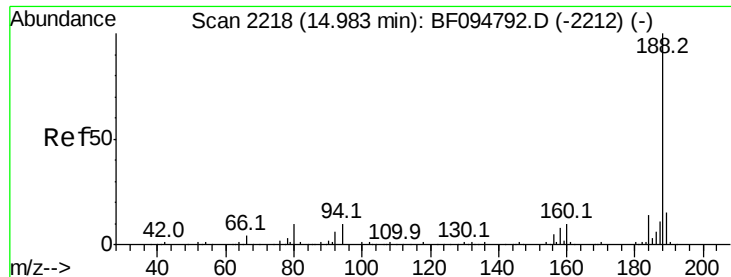
#57
Fluorene
Concen: 32.21 ng
RT: 13.49 min Scan# 1964
Delta R.T. -0.03 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.8	118.2
167	13.7	10.6	16.0



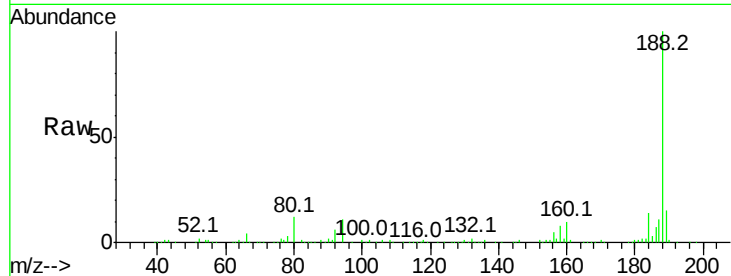
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



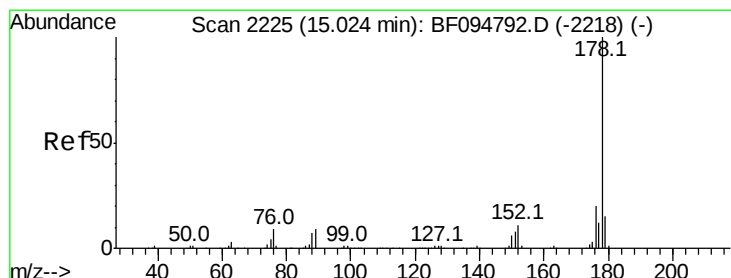
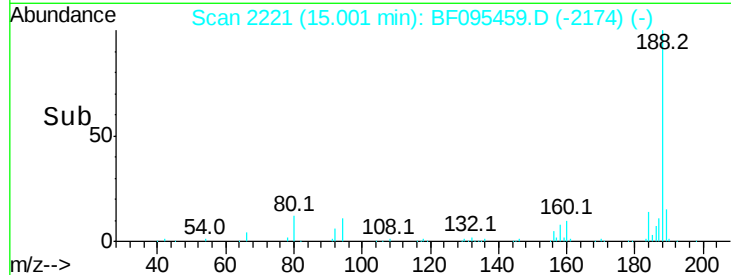
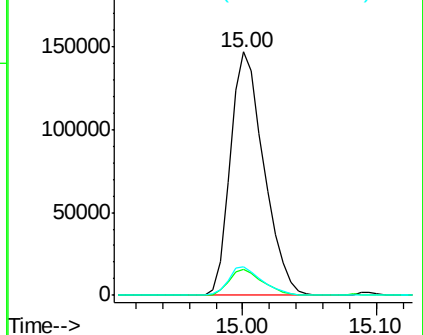


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tot Ion:188 Resp: 256779
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.9 10.2 15.2

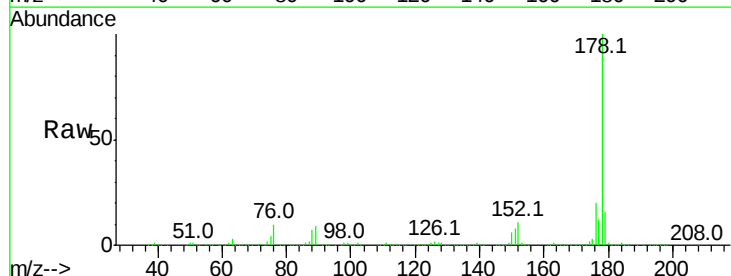


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

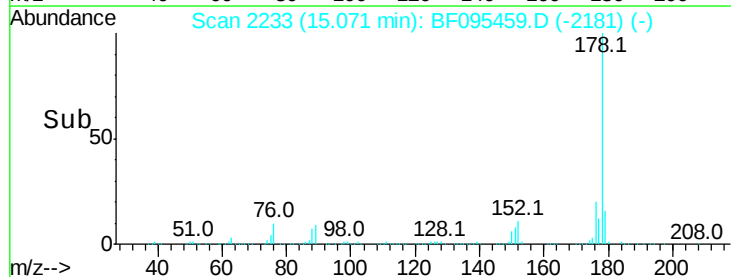
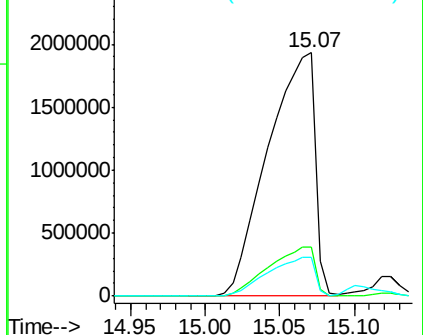


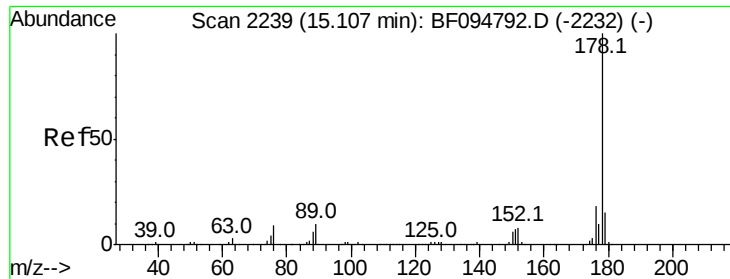
#70
 Phenanthrene
 Concen: 288.57 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. 0.01 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tgt Ion:178 Resp: 4257457
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 15.7 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

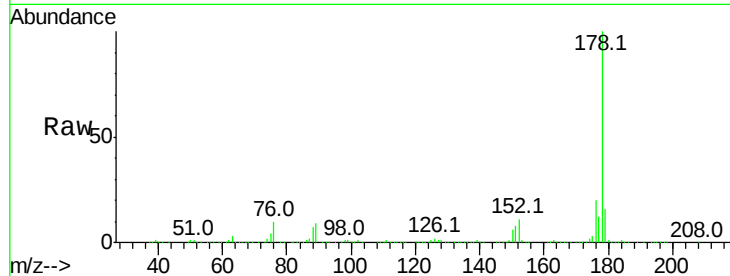




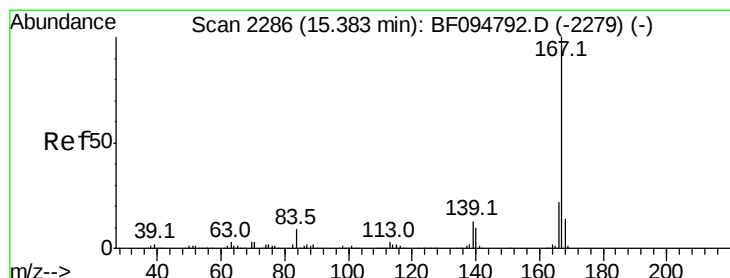
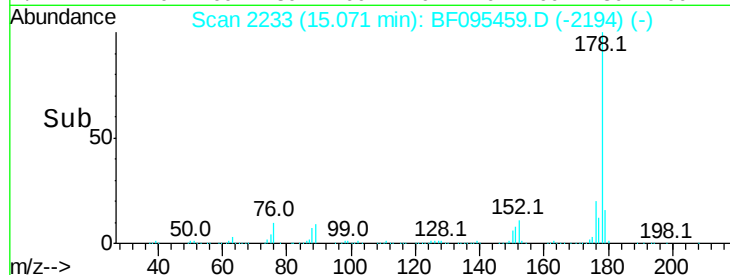
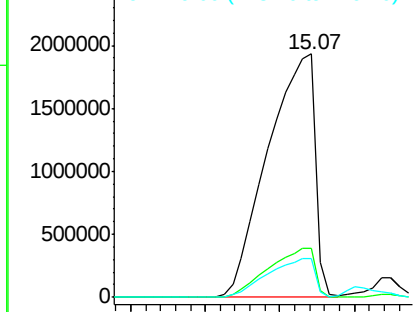
#71
 Anthracene
 Concen: 282.50 ng
 RT: 15.07 min Scan# 2233
 Delta R.T. -0.07 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tot Ion:178 Resp: 4257457

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.7	12.7	19.1



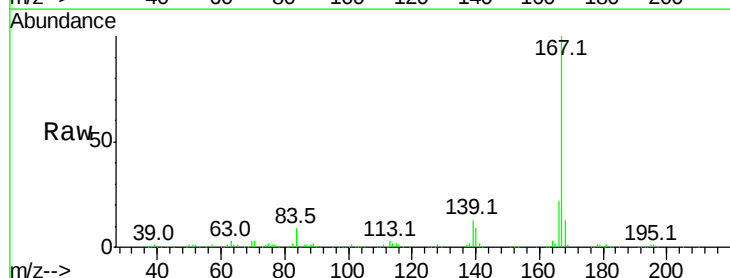
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



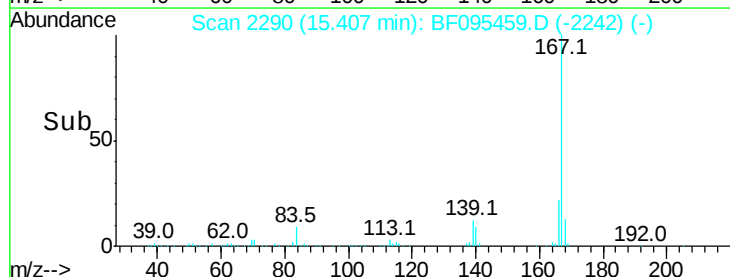
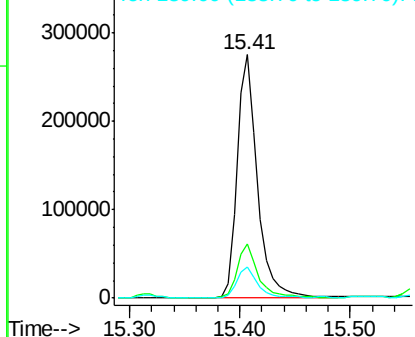
#72
 Carbazole
 Concen: 25.93 ng
 RT: 15.41 min Scan# 2290
 Delta R.T. -0.02 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

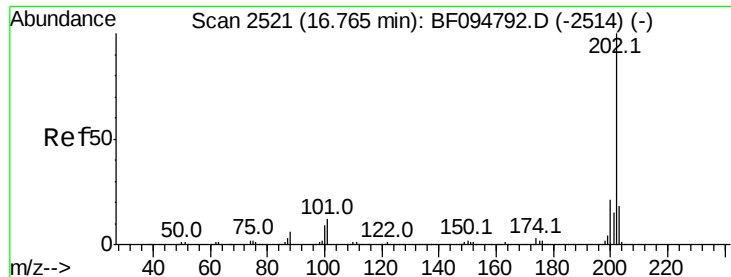
Tgt Ion:167 Resp: 355512

Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.1	27.1
139	12.7	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





#74

Fluoranthene

Concen: 193.61 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

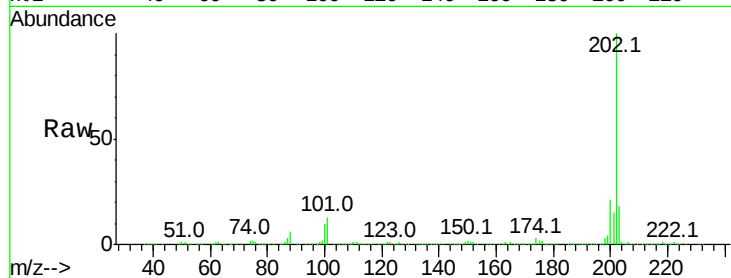
Tot Ion:202 Resp: 2930143

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

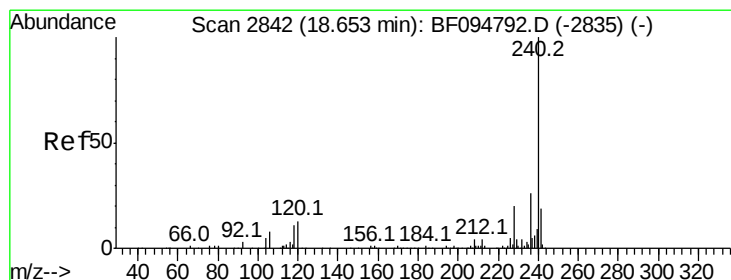
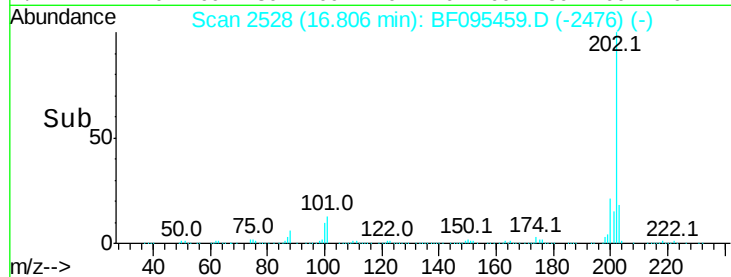
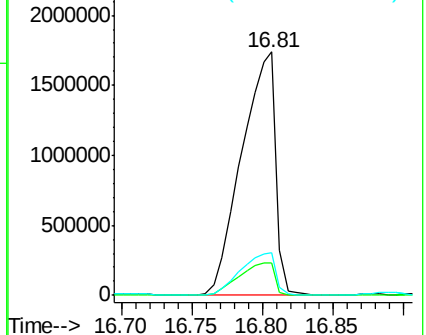
203 17.6 0.0 38.1



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: 18.68 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

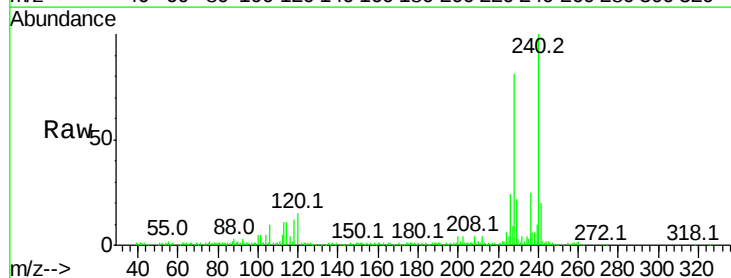
Tgt Ion:240 Resp: 188471

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

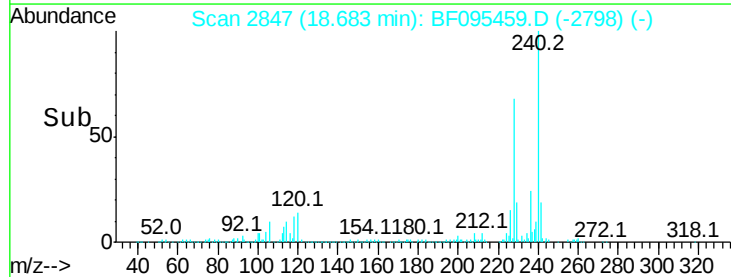
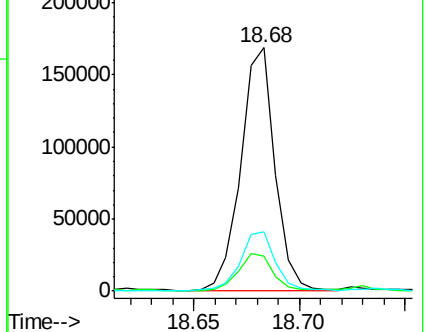
236 24.6 20.5 30.7

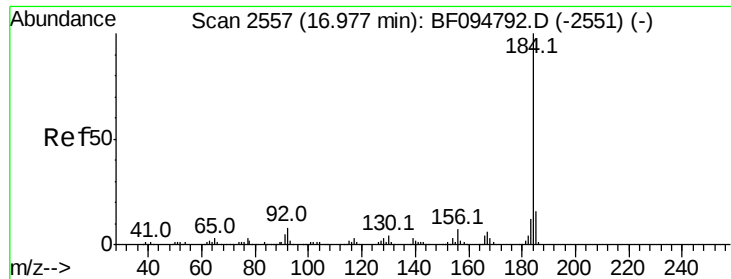


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.61 ng

RT: 17.01 min Scan# 2563

Delta R.T. -0.01 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

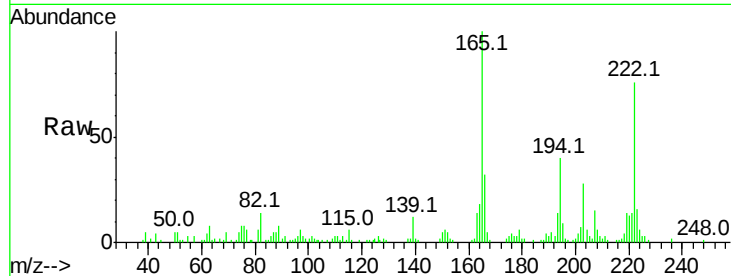
Tot Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

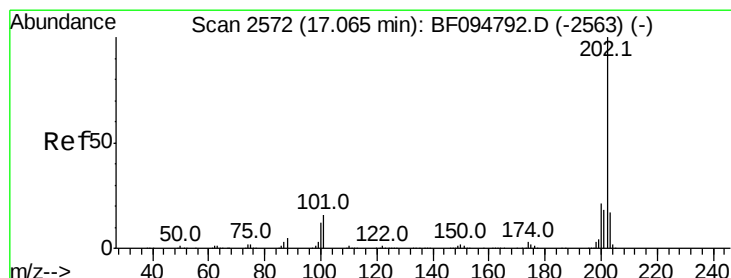
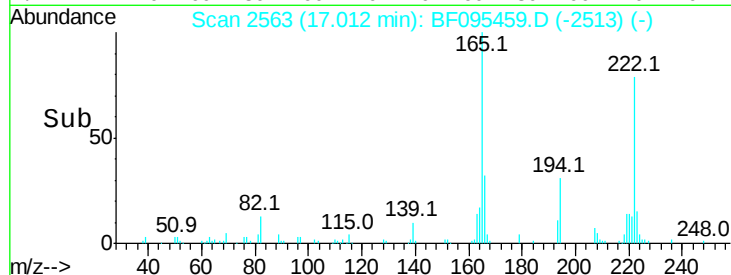
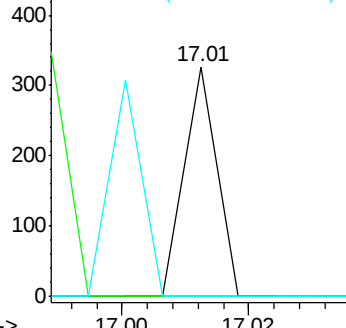
183 0.0 9.8 14.6#



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: 183.78 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

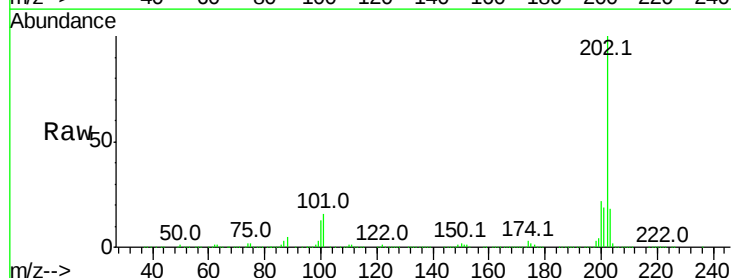
Tgt Ion:202 Resp: 2590531

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

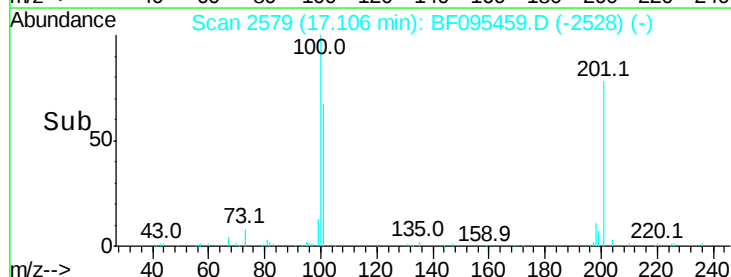
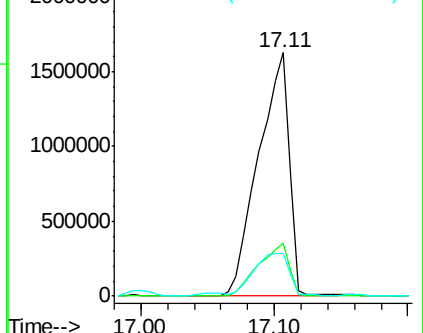
203 17.8 14.4 21.6

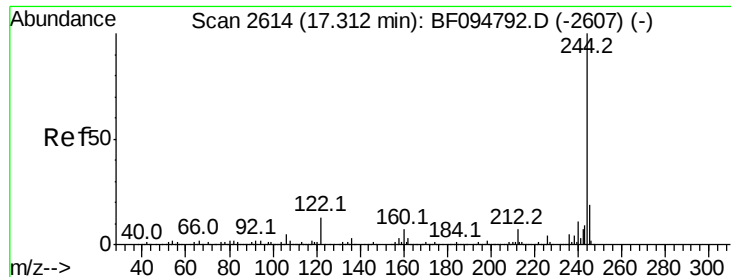


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.63 ng

RT: 17.32 min Scan# 2615

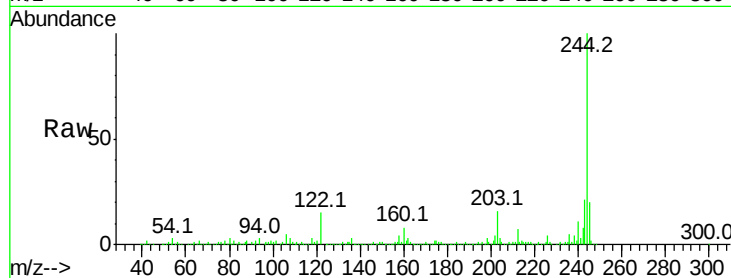
Delta R.T. -0.03 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tot Ion:244 Resp: 527334

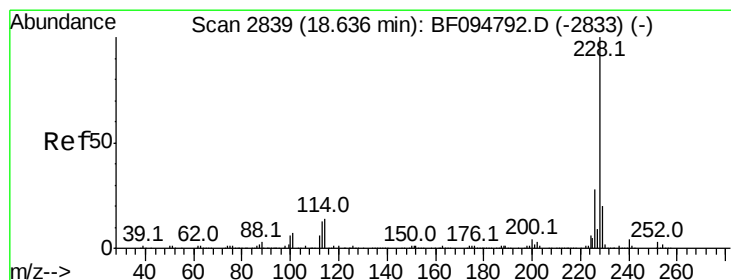
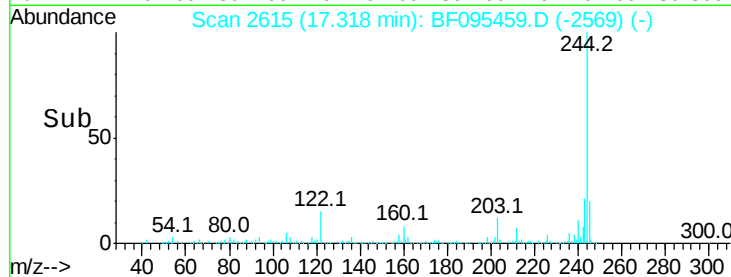
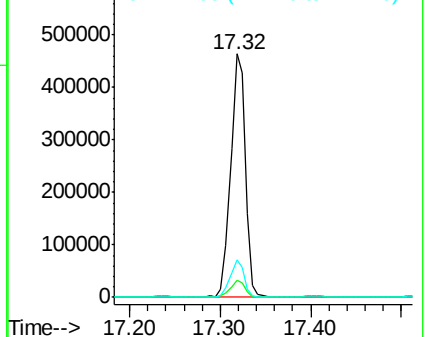
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.3	10.3	15.5



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



#80

Benzo(a)anthracene

Concen: 83.20 ng

RT: 18.67 min Scan# 2845

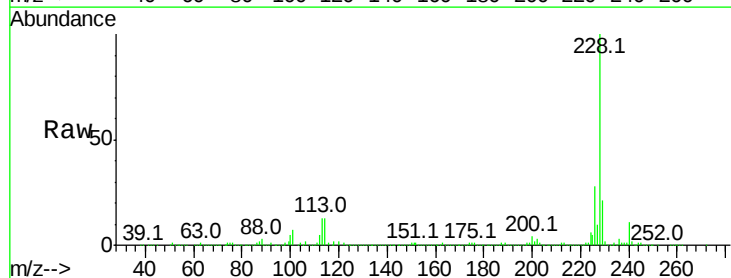
Delta R.T. -0.01 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tgt Ion:228 Resp: 912635

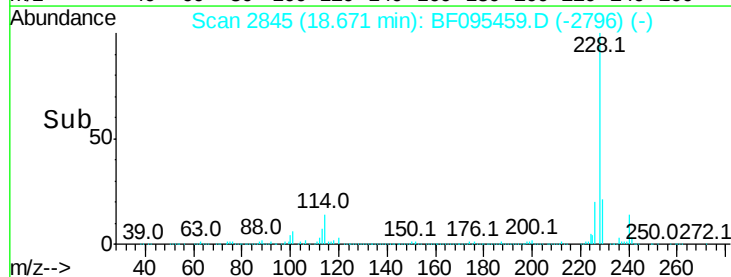
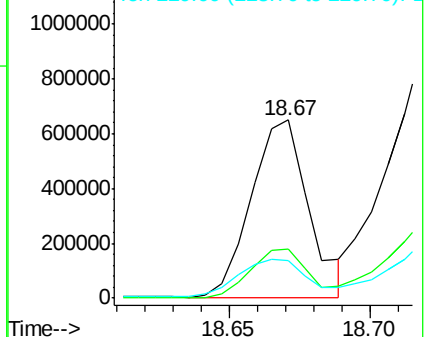
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.9	16.3	24.5

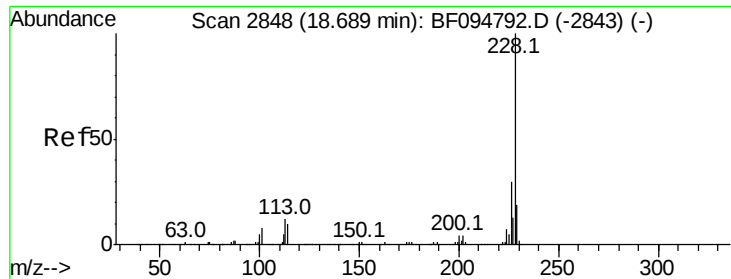


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

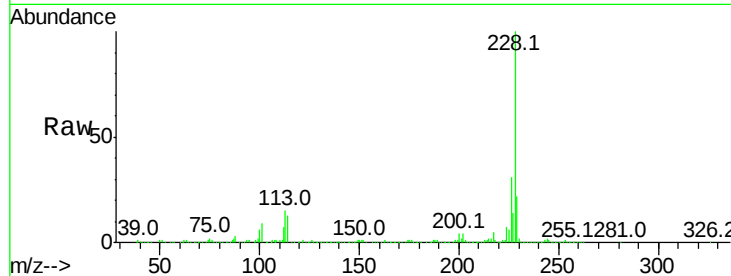




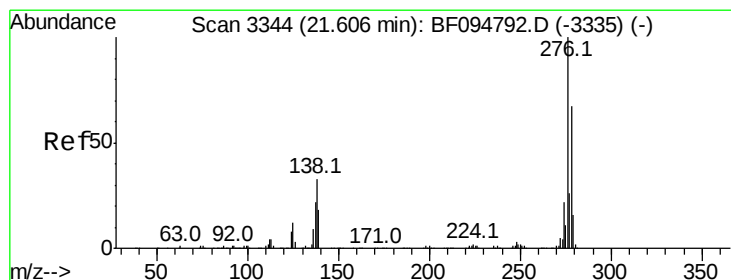
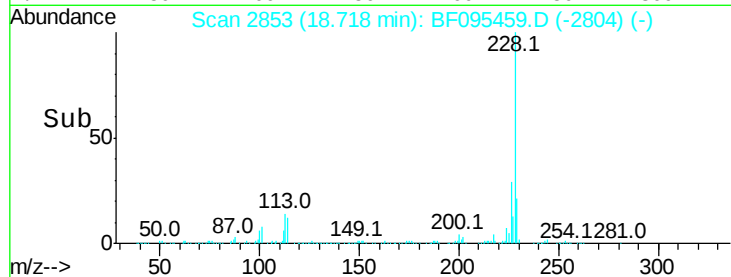
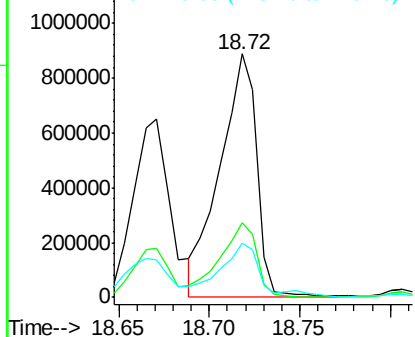
#82
 Chrysene
 Concen: 116.90 ng
 RT: 18.72 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

Tot Ion:228 Resp: 1239871

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.0	15.8	23.6



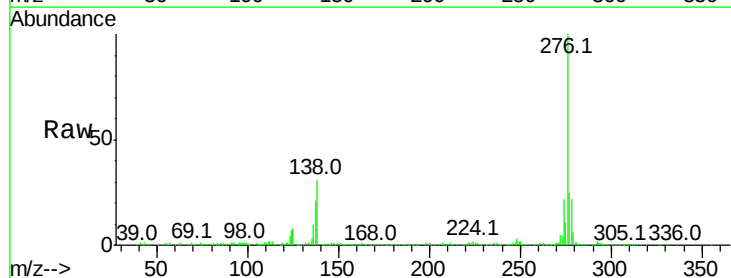
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



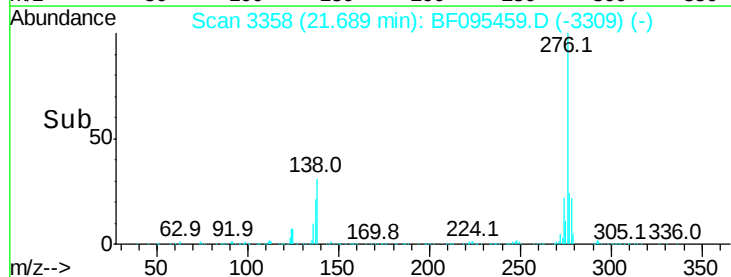
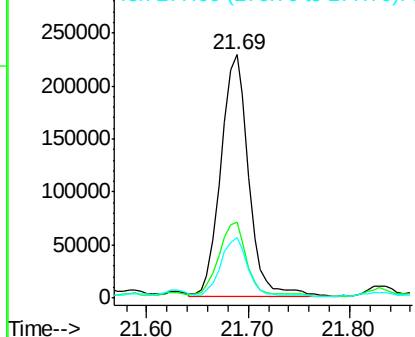
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.33 ng
 RT: 21.69 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BF095459.D
 Acq: 26 May 2017 14:14

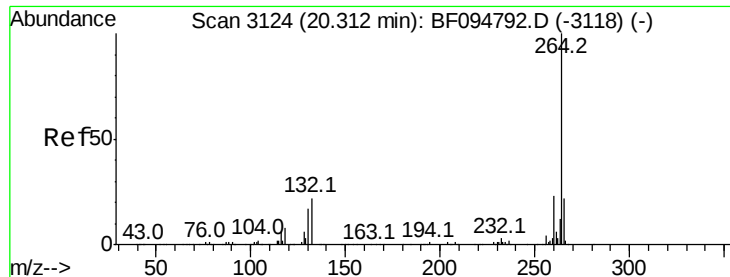
Tgt Ion:276 Resp: 433475

Ion	Ratio	Lower	Upper
276	100		
138	28.9	27.8	41.6
277	23.5	20.2	30.4



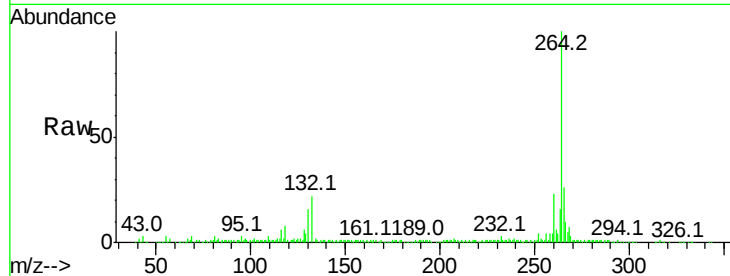
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



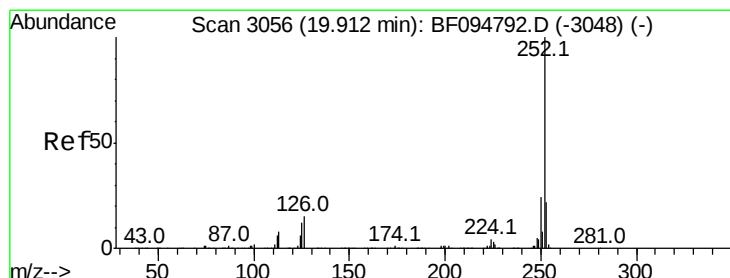
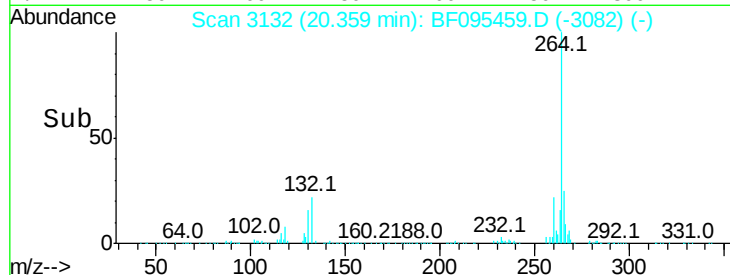
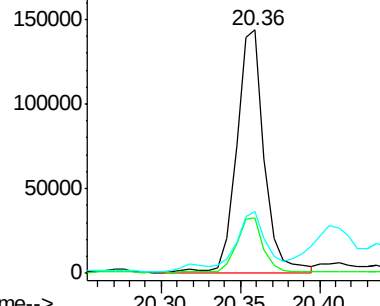


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tot Ion:	264	Resp:	173819
Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	25.6	17.2	25.8

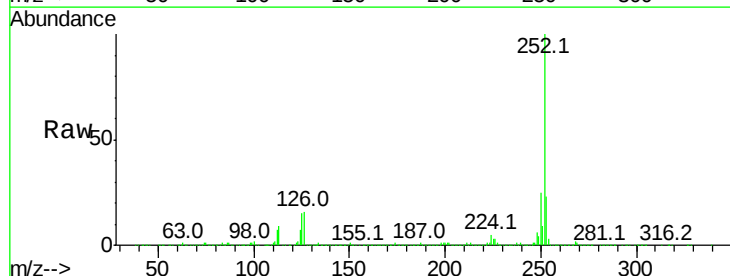


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

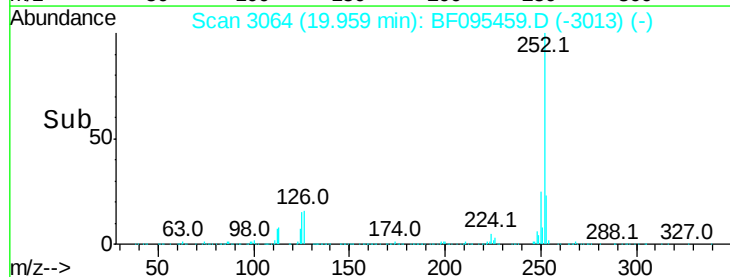
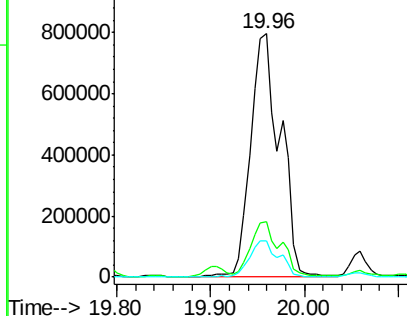


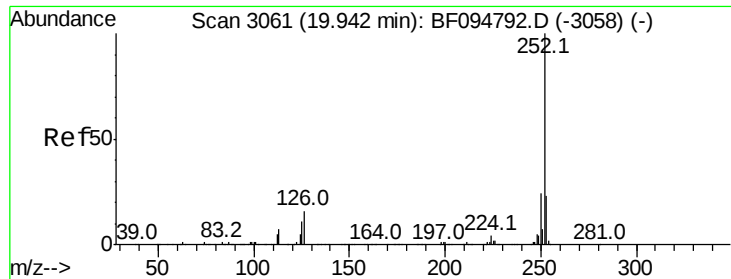
#87
Benzo(b)fluoranthene
Concen: 161.44 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tgt Ion:	252	Resp:	1733994
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.7	9.8	14.8



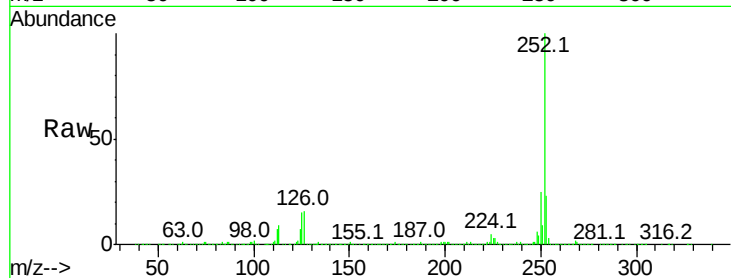
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



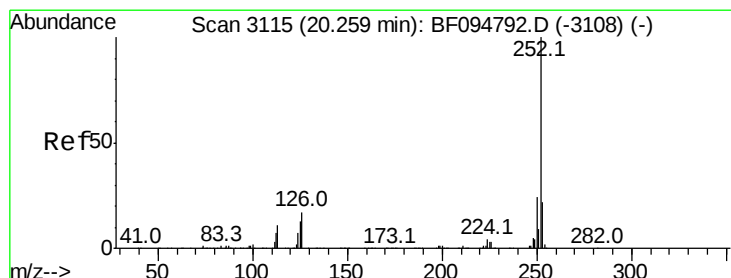
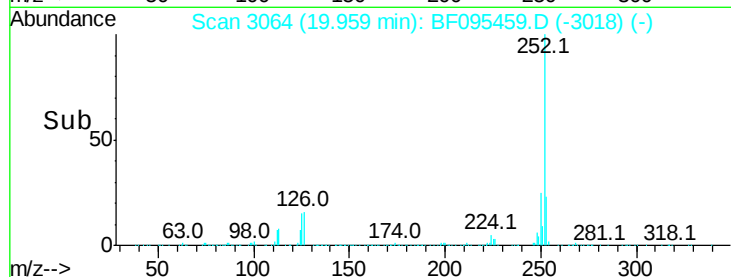
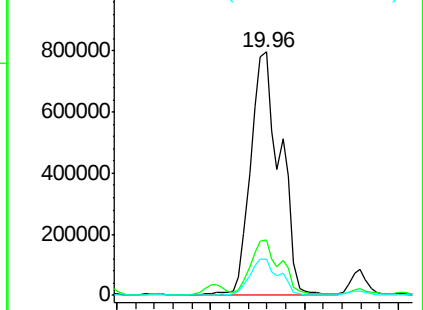


#88
Benzo(k)fluoranthene
Concen: 167.37 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.03 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	14.7	13.1	19.7

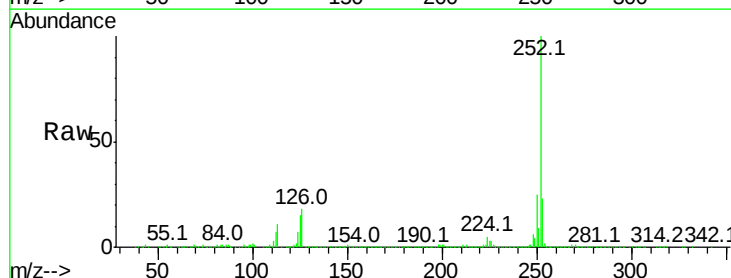


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

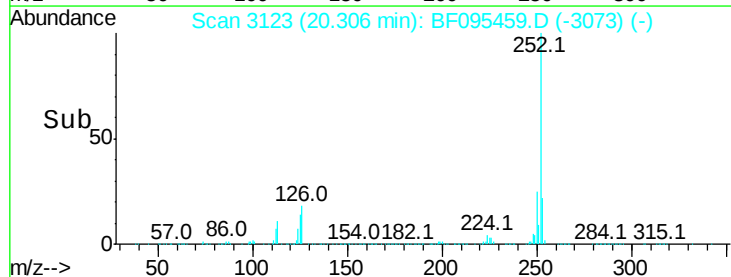
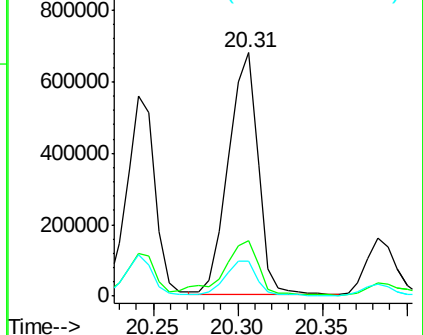


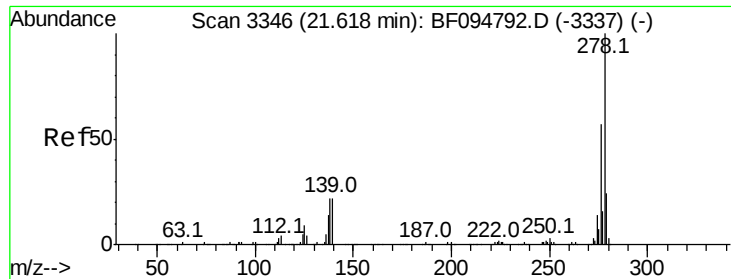
#89
Benzo(a)pyrene
Concen: 84.20 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095459.D
Acq: 26 May 2017 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	14.5	11.0	16.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.60 ng

RT: 21.83 min Scan# 3382

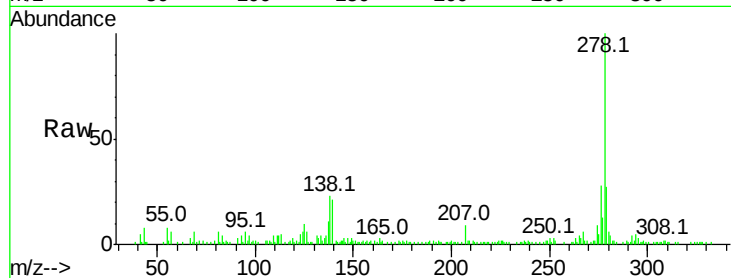
Delta R.T. 0.13 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tot Ion: 278 Resp: 70353

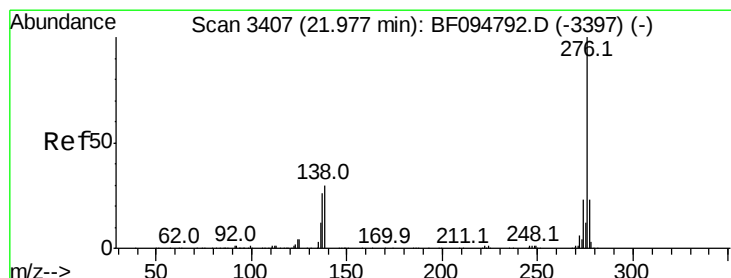
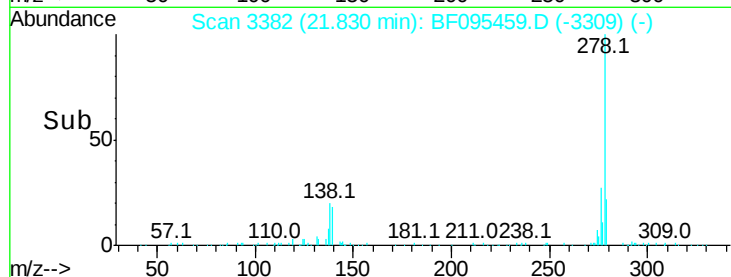
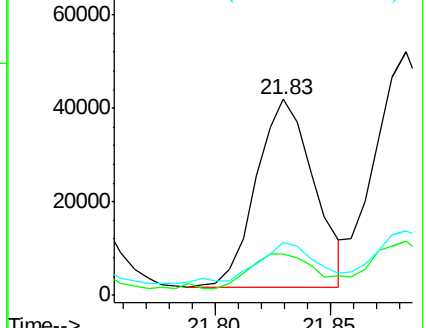
Ion	Ratio	Lower	Upper
278	100		
139	21.2	16.6	24.8
279	27.1	19.3	28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 51.16 ng

RT: 22.07 min Scan# 3423

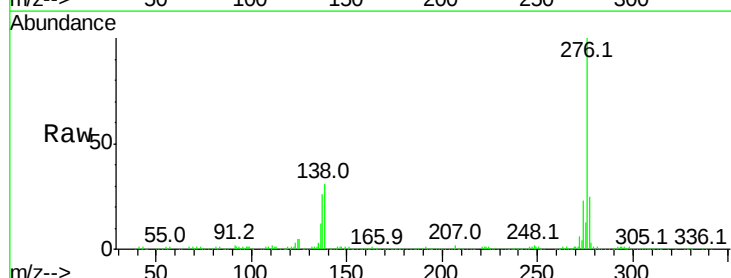
Delta R.T. -0.01 min

Lab File: BF095459.D

Acq: 26 May 2017 14:14

Tgt Ion: 276 Resp: 410912

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	30.7	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

