

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095495.D
 Acq On : 27 May 2017 10:51
 Operator : SJ/MA
 Sample : I3241-09DL 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 28 23:04:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	90378	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	354301	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	145157	20.00	ng	0.00
63) Phenanthrene-d10	14.99	188	215087	20.00	ng	0.00
75) Chrysene-d12	18.67	240	194895	20.00	ng	0.00
86) Perylene-d12	20.35	264	130563	20.00	ng	0.00

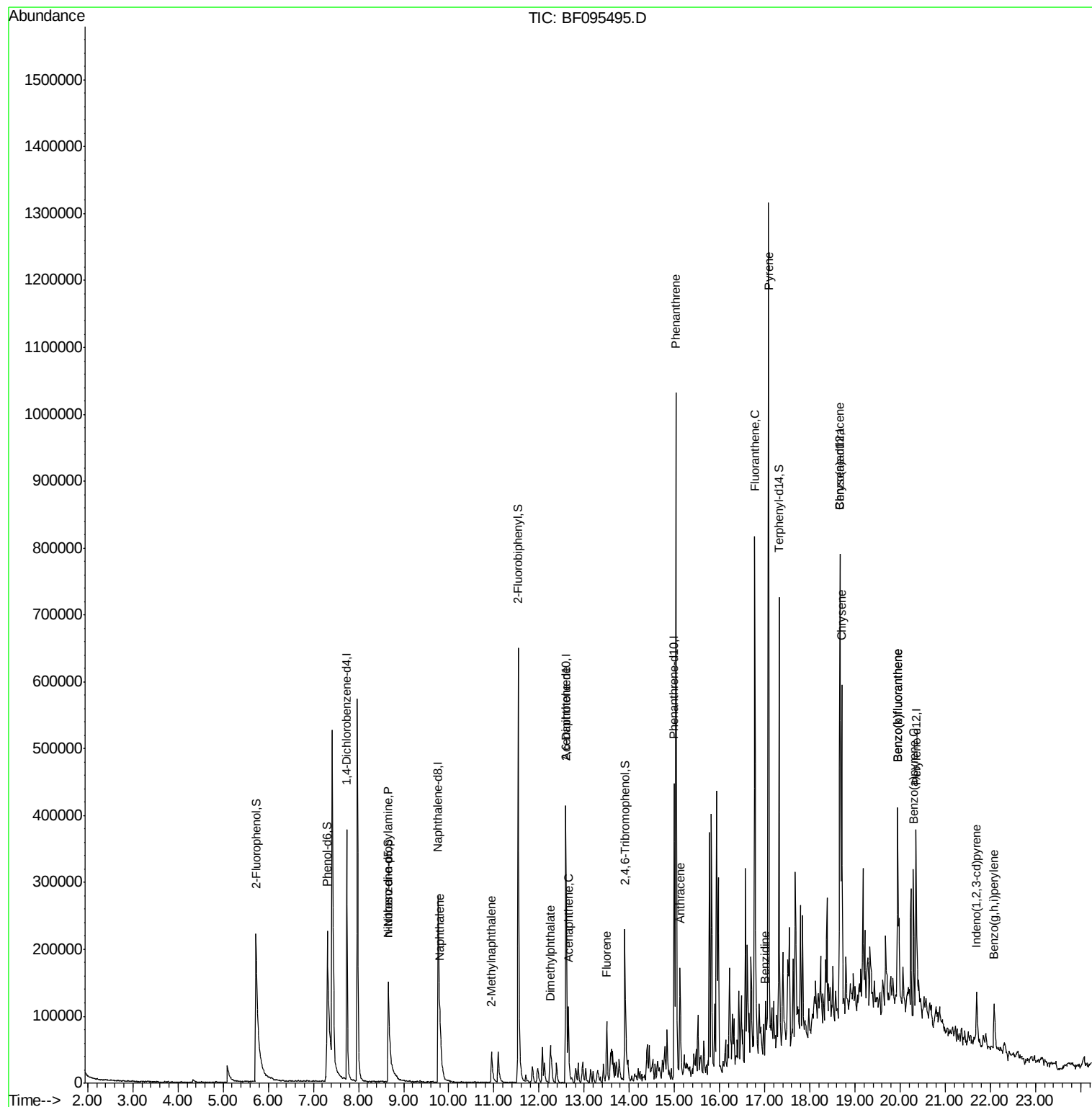
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	279567	51.57	ng	0.02
7) Phenol-d6	7.31	99	341078	52.44	ng	0.01
23) Nitrobenzene-d5	8.66	82	184512	32.84	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	52805	44.42	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	399085	39.57	ng	0.00
78) Terphenyl-d14	17.32	244	257412	29.09	ng	0.00

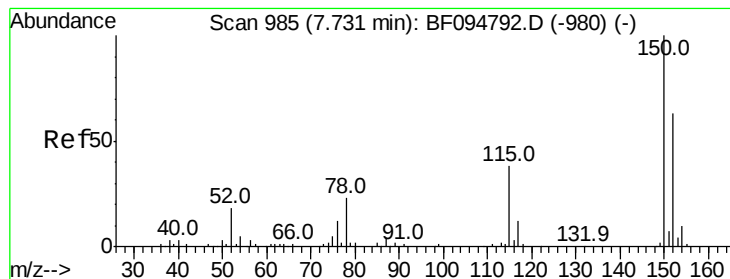
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	8.66	70	18189	4.13	ng	# 70
31) Naphthalene	9.81	128	60181	3.38	ng	95
37) 2-Methylnaphthalene	10.95	142	37616	3.22	ng	94
49) Dimethylphthalate	12.25	163	50663	4.25	ng	# 97
50) 2,6-Dinitrotoluene	12.59	165	17661	7.26	ng	# 31
51) Acenaphthene	12.65	154	42106	4.56	ng	97
57) Fluorene	13.50	166	42427	3.82	ng	97
70) Phenanthrene	15.04	178	623275	50.43	ng	98
71) Anthracene	15.12	178	102369	8.11	ng	95
74) Fluoranthene	16.78	202	434364	34.26	ng	98
76) Benzydine	17.01	184	110	6.61	ng	# 62
77) Pyrene	17.08	202	615342	42.22	ng	96
80) Benzo(a)anthracene	18.66	228	226748	19.99	ng	98
82) Chrysene	18.71	228	244329	22.28	ng	99
85) Indeno(1,2,3-cd)pyrene	21.69	276	53389	5.99	ng	# 88
87) Benzo(b)fluoranthene	19.95	252	209875	26.01	ng	# 97
88) Benzo(k)fluoranthene	19.95	252	209875	26.97	ng	99
89) Benzo(a)pyrene	20.30	252	110992	14.91	ng	97
91) Benzo(a,h,i)perylene	22.08	276	56692	9.40	ng	97

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

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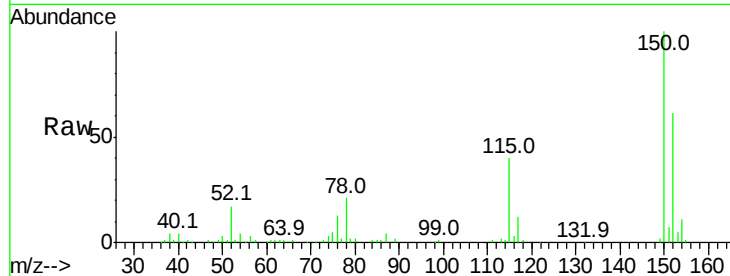




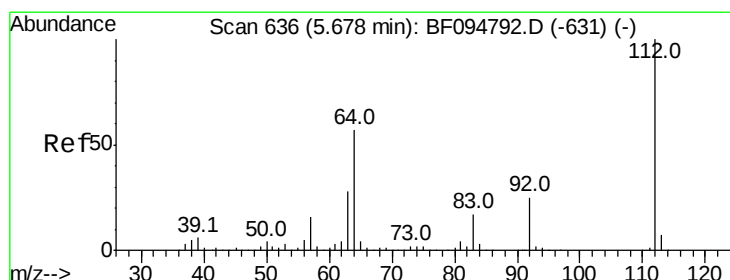
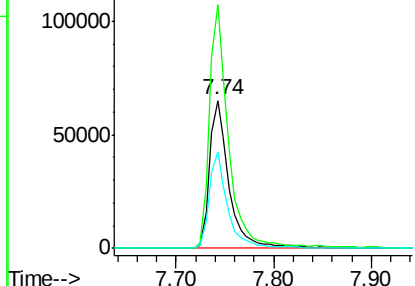
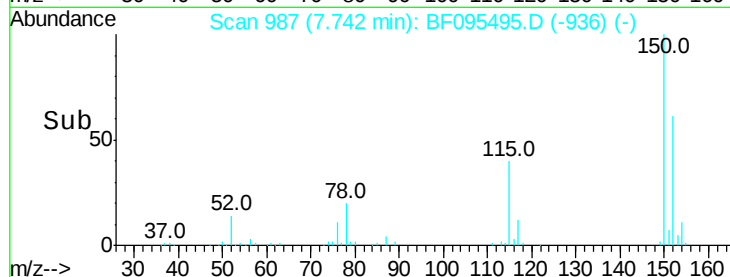
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	126.2	189.2
115	65.3	52.2	78.2



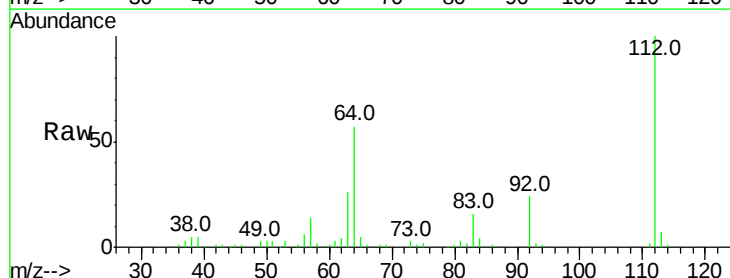
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



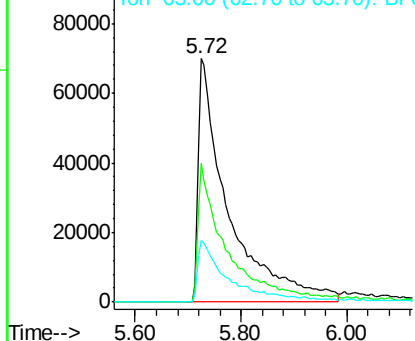
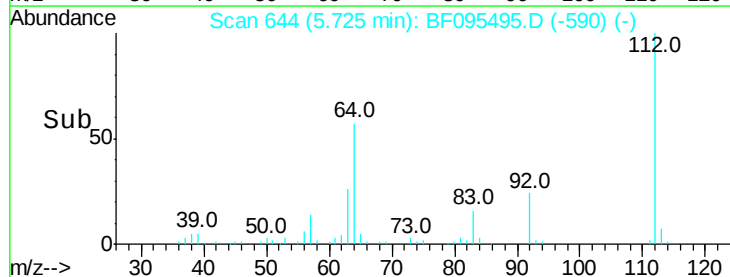
#5

2-Fluorophenol
Concen: 51.57 ng
RT: 5.72 min Scan# 644
Delta R.T. 0.02 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	46.0	69.0
63	25.5	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: 52.44 ng

RT: 7.31 min Scan# 913

Delta R.T. 0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

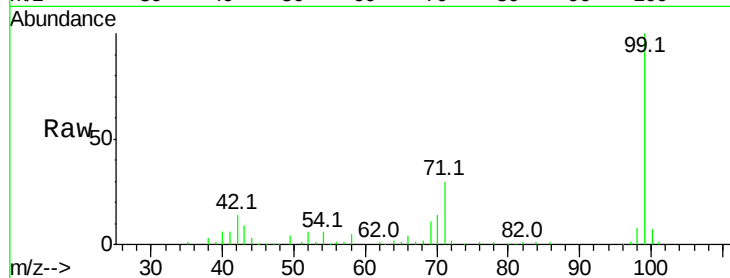
Tot Ion: 99 Resp: 341078

Ion Ratio Lower Upper

99 100

42 14.3 13.5 20.3

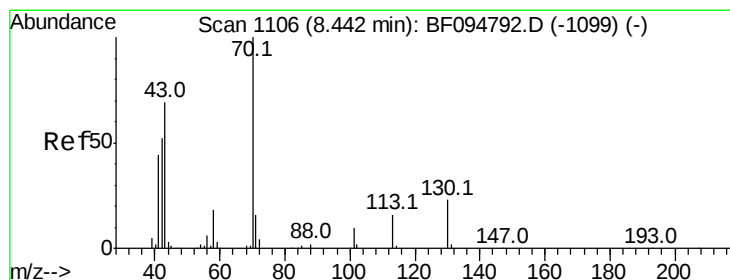
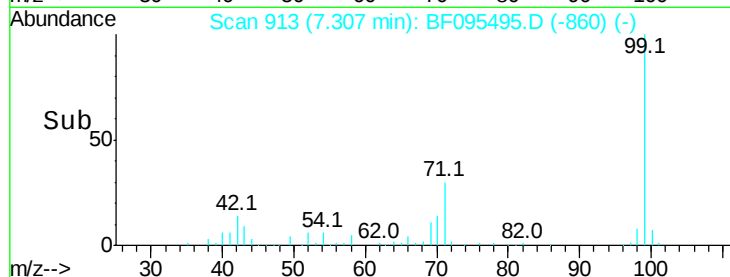
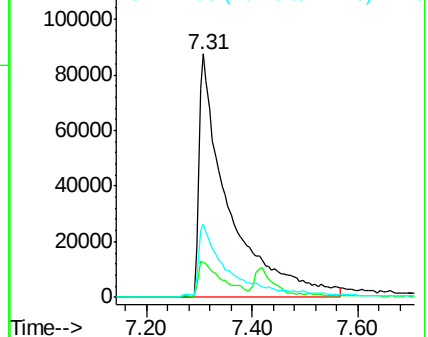
71 29.9 24.5 36.7



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: 4.13 ng

RT: 8.66 min Scan# 1143

Delta R.T. 0.20 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

Tgt Ion: 70 Resp: 18189

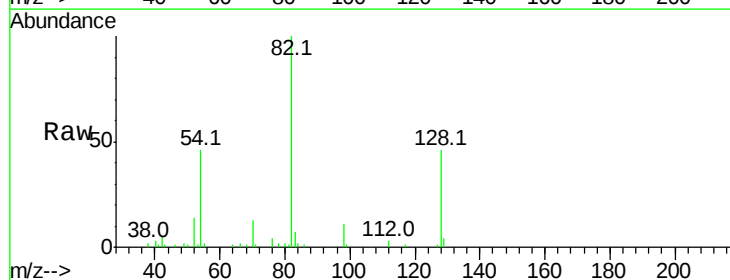
Ion Ratio Lower Upper

70 100

42 39.1 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

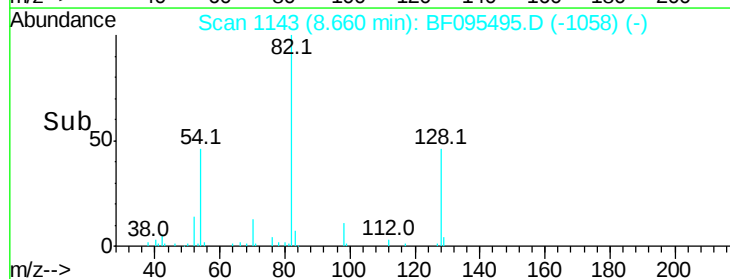
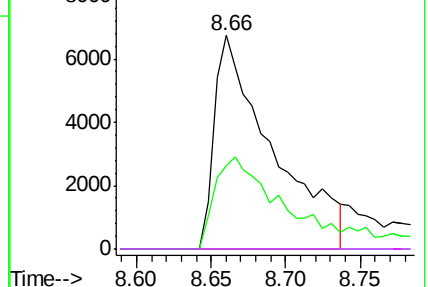


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

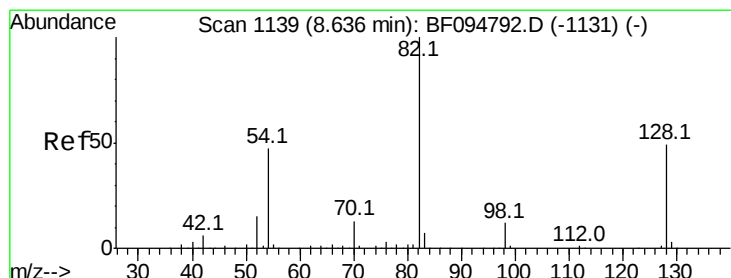
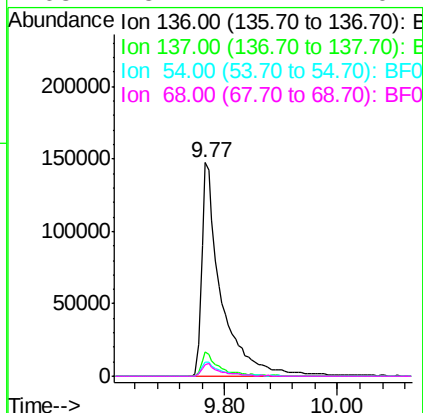
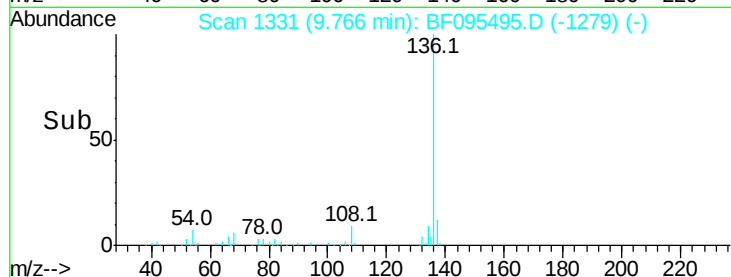
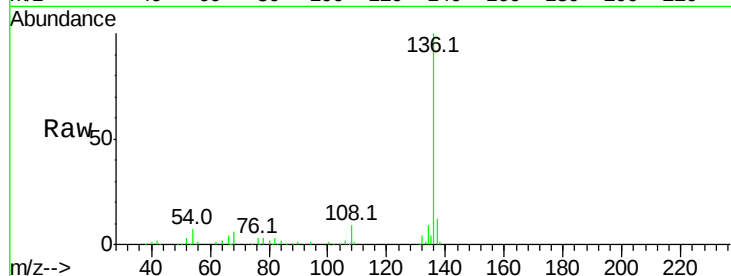
Ion 130.00 (129.70 to 130.70): BF0





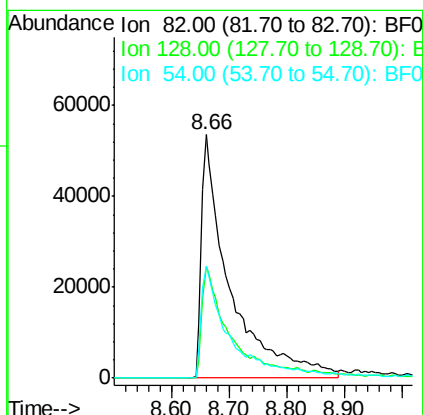
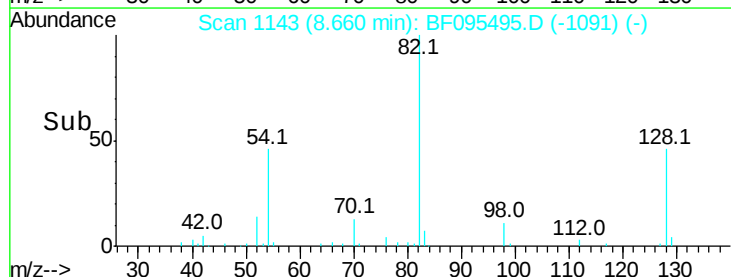
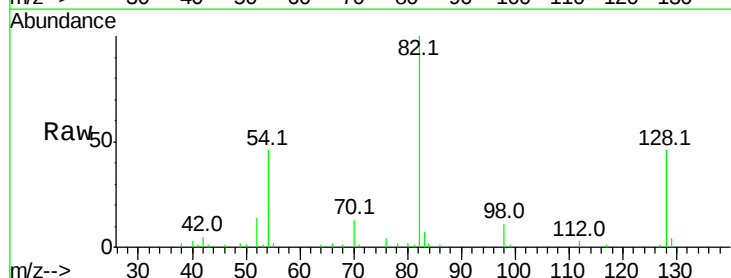
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

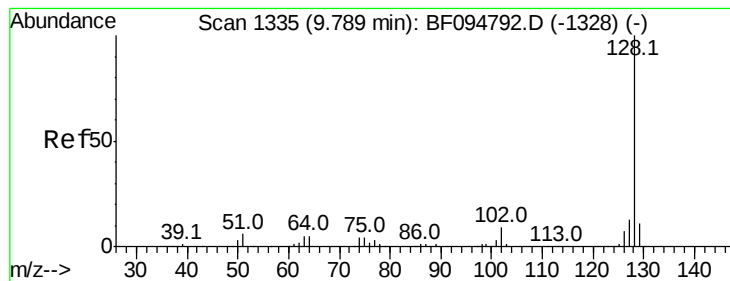
Tot Ion:136	Resp:	354301
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.5	12.7
54 6.6	4.9	7.3
68 5.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 32.84 ng
RT: 8.66 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt	Ion: 82	Resp:	184512
Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	46.1	42.2	63.2





#31

Naphthalene

Concen: 3.38 ng

RT: 9.81 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

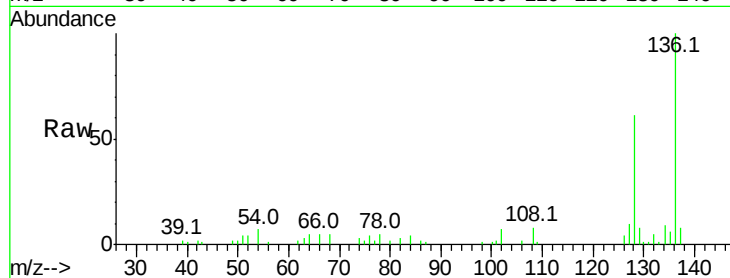
Tot Ion:128 Resp: 60181

Ion Ratio Lower Upper

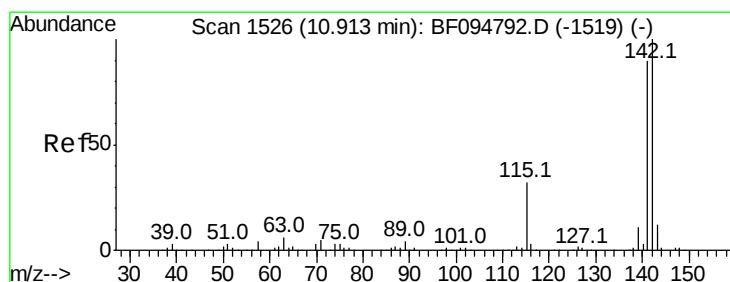
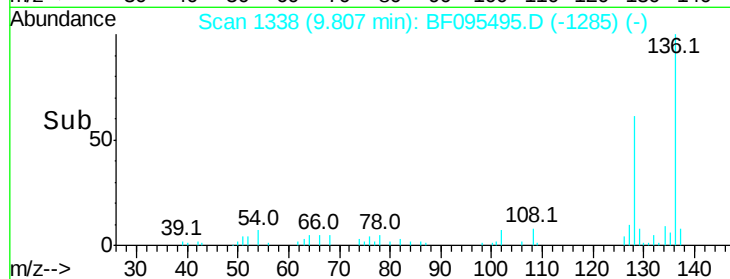
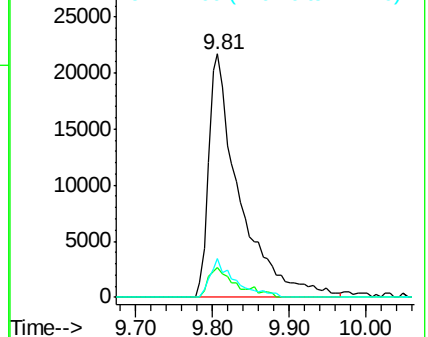
128 100

129 12.5 9.0 13.6

127 16.0 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



#37

2-Methylnaphthalene

Concen: 3.22 ng

RT: 10.95 min Scan# 1532

Delta R.T. 0.02 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

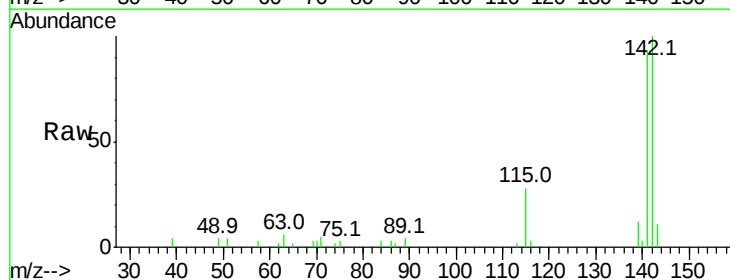
Tgt Ion:142 Resp: 37616

Ion Ratio Lower Upper

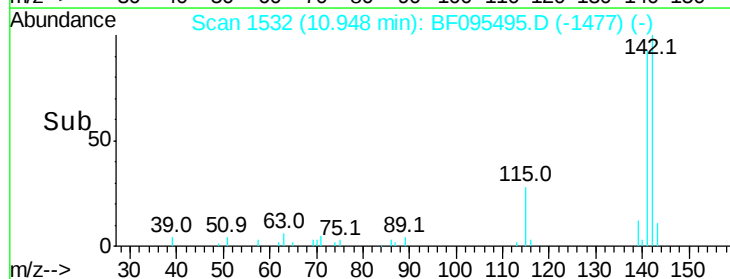
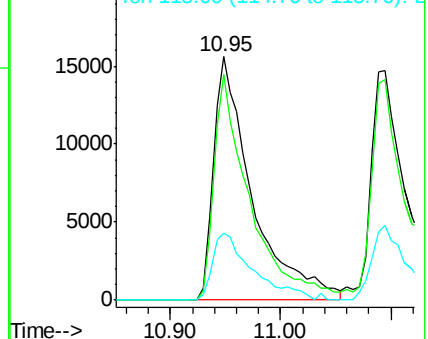
142 100

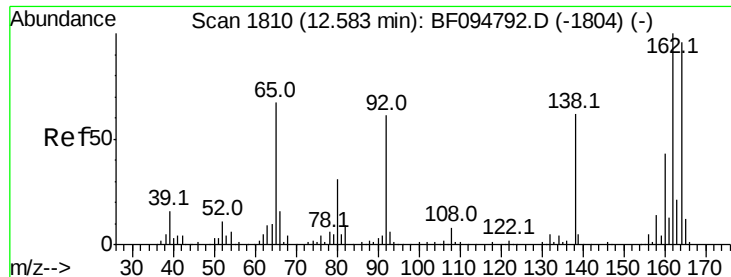
141 92.9 71.3 106.9

115 27.7 27.1 40.7



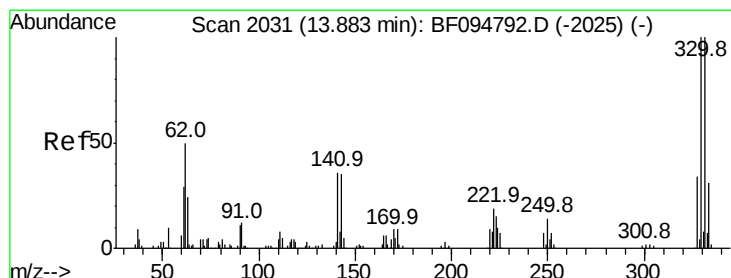
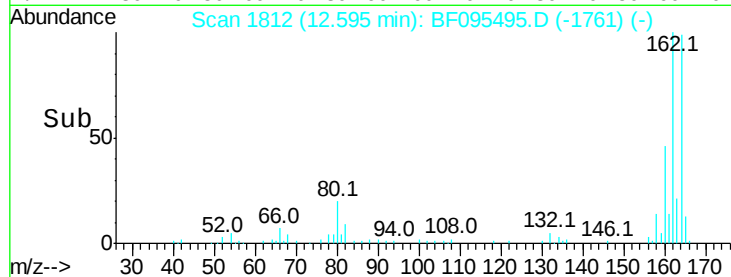
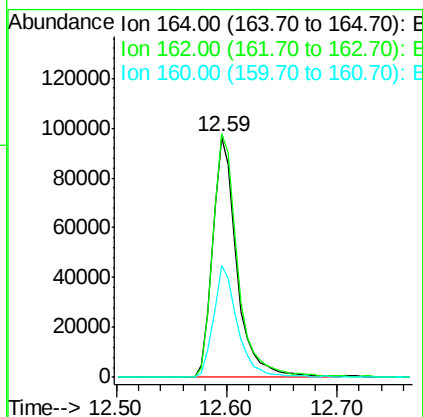
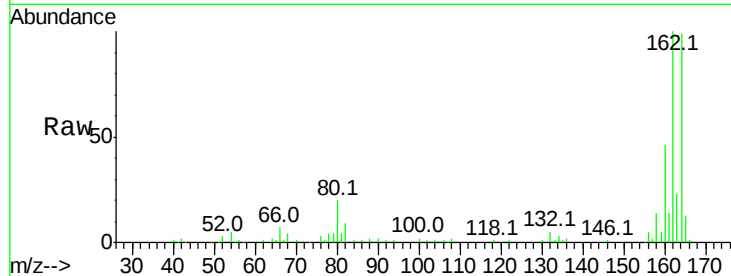
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





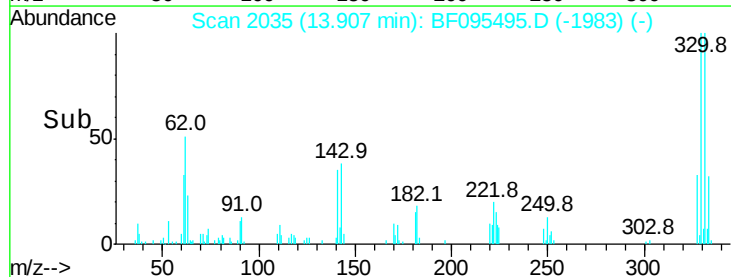
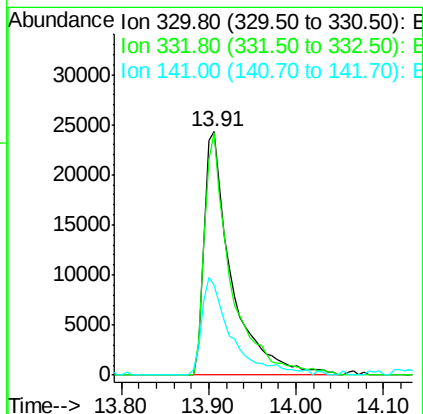
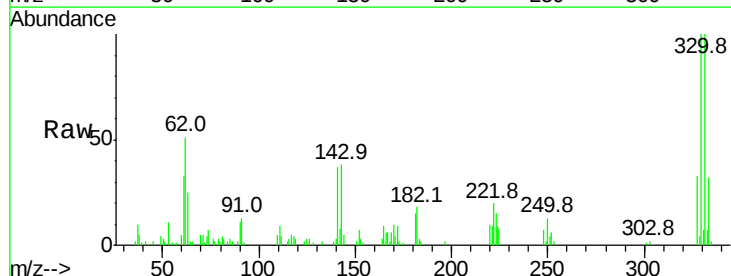
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

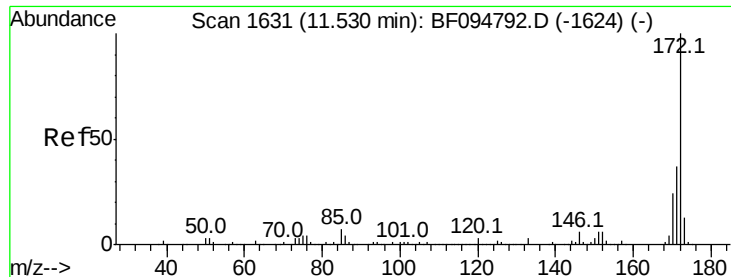
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	46.7	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 44.42 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

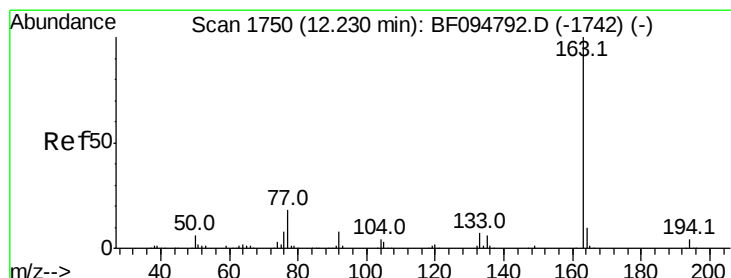
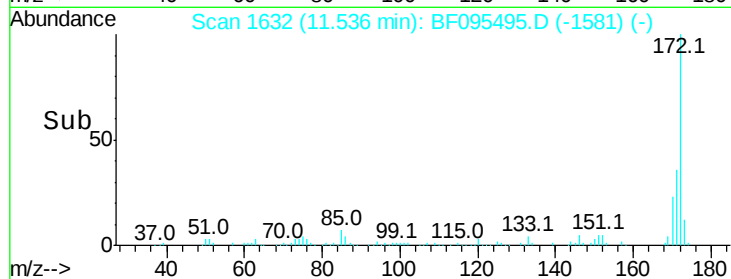
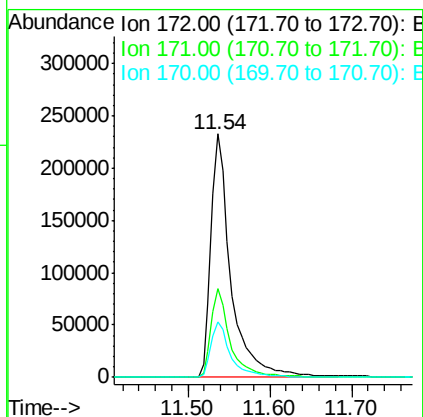
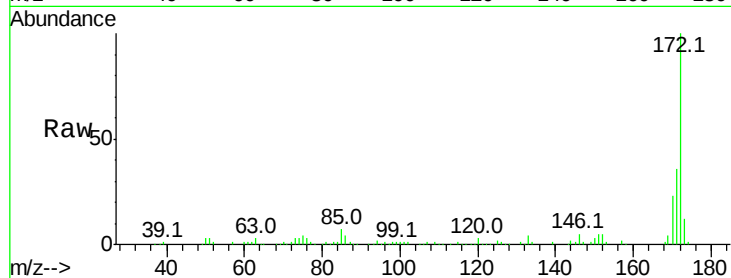
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	42.9	31.4	47.2





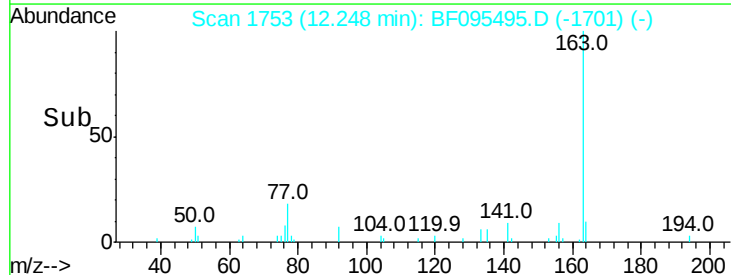
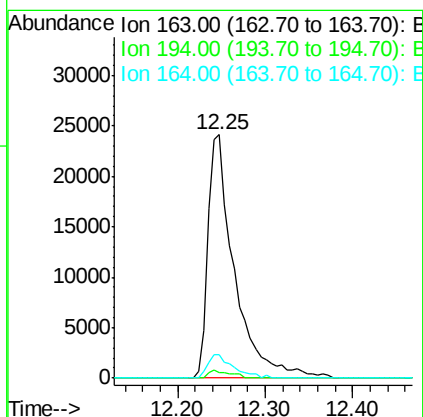
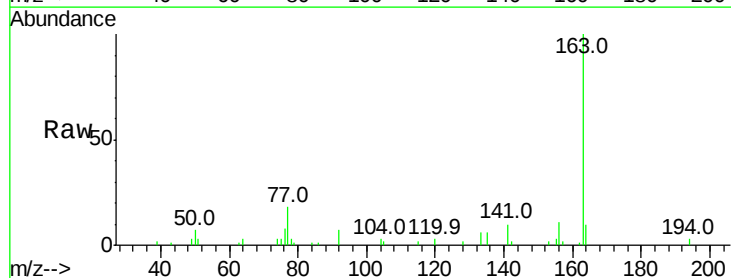
#44
2-Fluorobiphenyl
Concen: 39.57 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

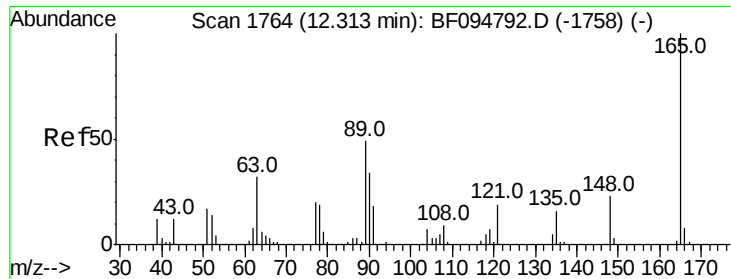
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	22.6	19.8	29.8



#49
Dimethylphthalate
Concen: 4.25 ng
RT: 12.25 min Scan# 1753
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

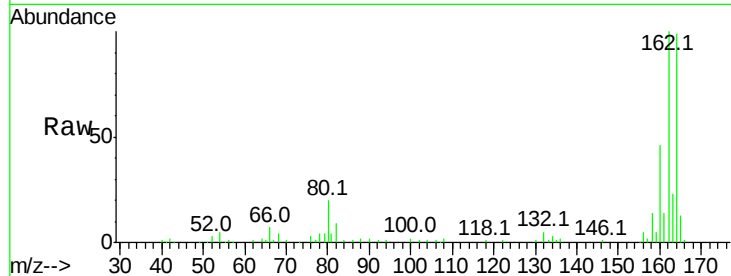
Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.5	2.6	4.0#
164	9.5	8.4	12.6





#50
 2,6-Dinitrotoluene
 Concen: 7.26 ng
 RT: 12.59 min Scan# 1812
 Delta R.T. 0.25 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

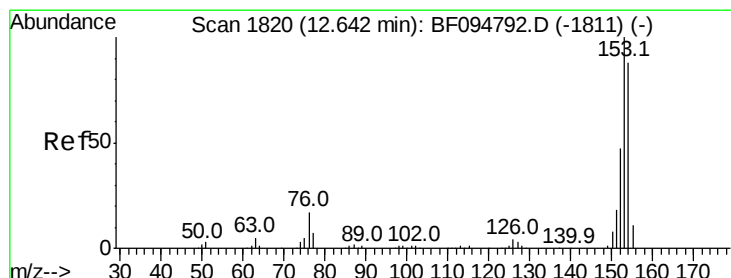
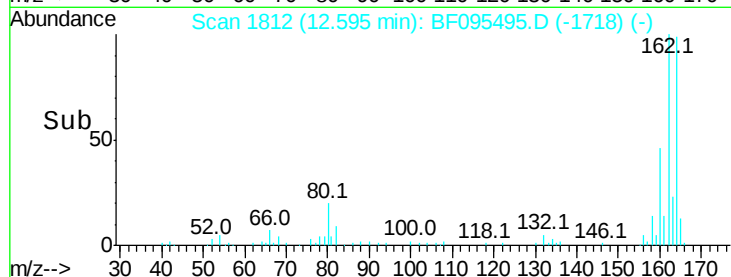
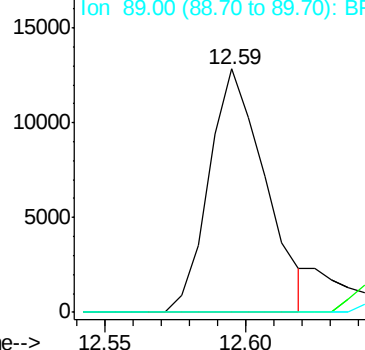
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

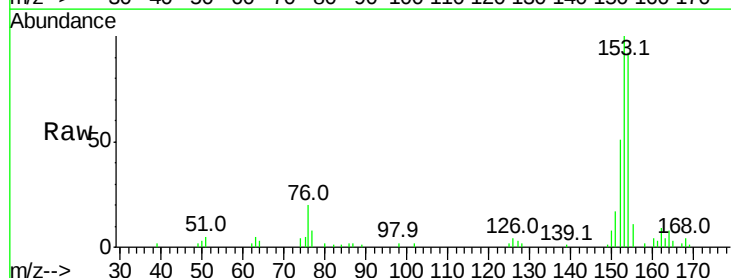
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
 Acenaphthene
 Concen: 4.56 ng
 RT: 12.65 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

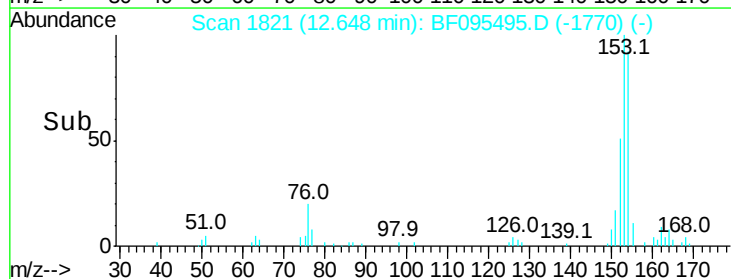
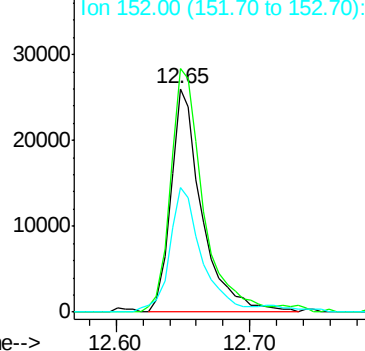
Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.1	90.5	135.7
152	56.0	43.6	65.4

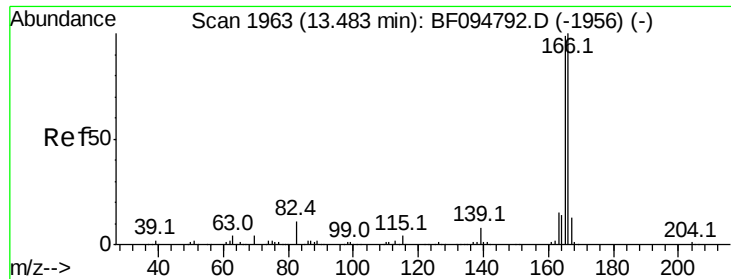


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

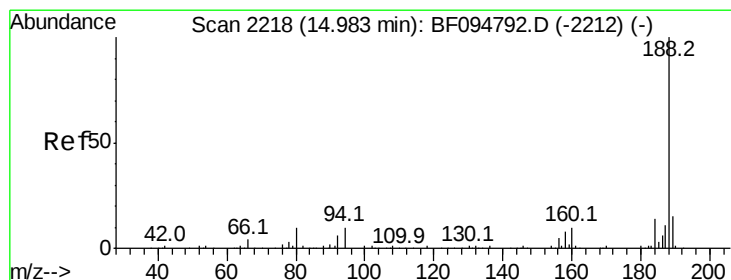
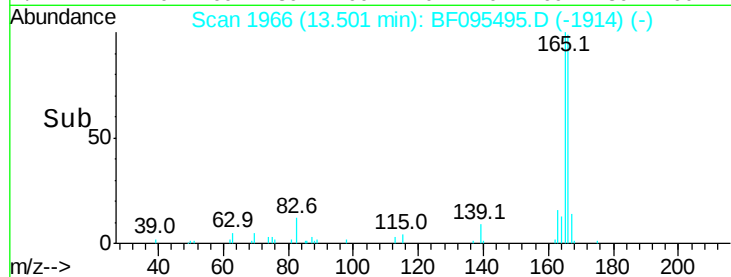
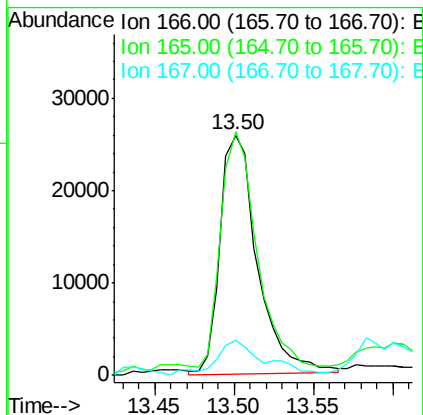
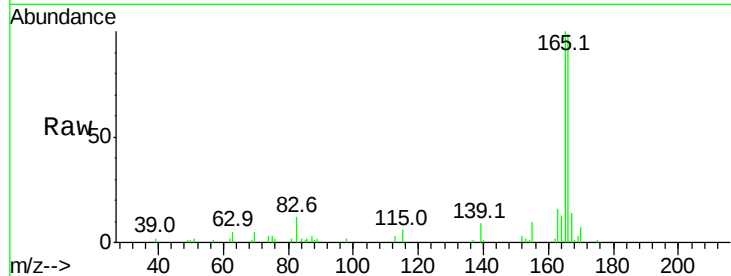
Ion 152.00 (151.70 to 152.70): E





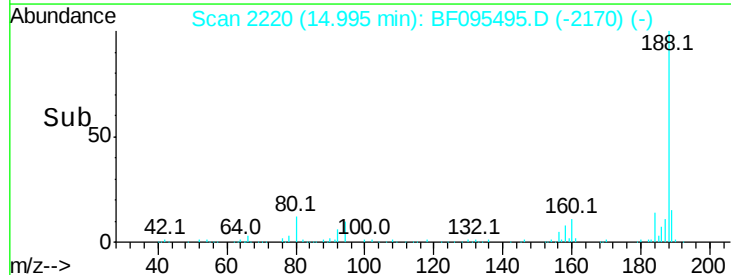
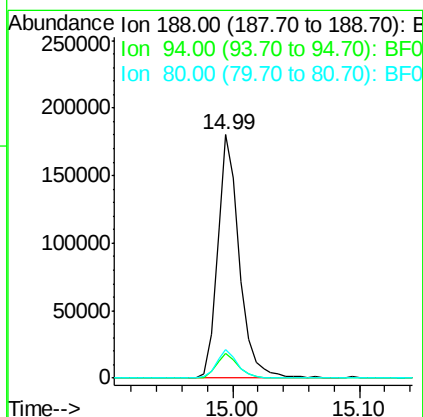
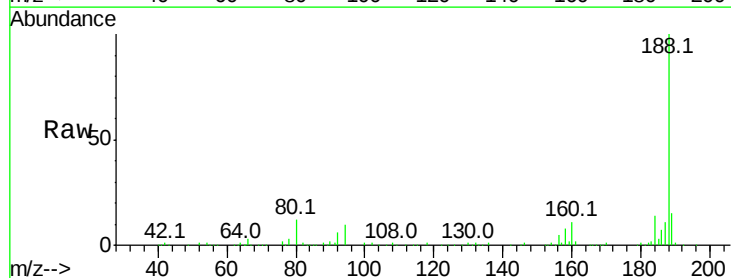
#57
Fluorene
 Concen: 3.82 ng
 RT: 13.50 min Scan# 1966
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

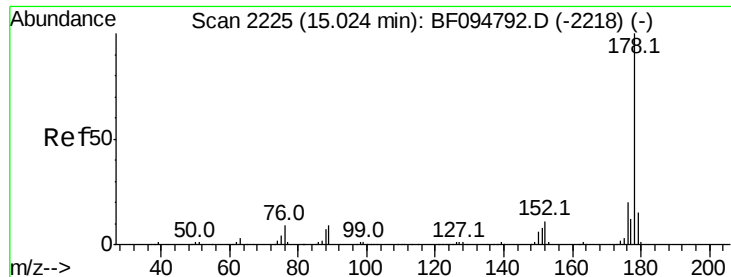
Tot Ion:166	Resp:	42427	
Ion Ratio	Lower	Upper	
166	100		
165	101.3	78.8	118.2
167	14.5	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

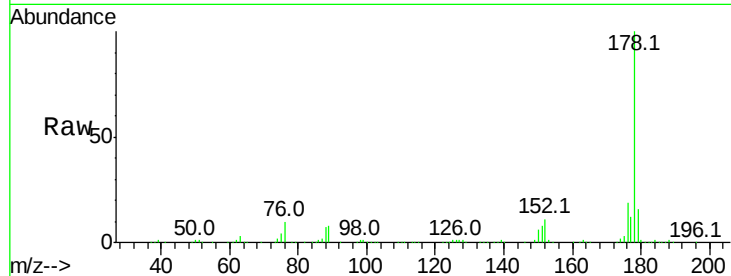
Tgt	Ion:188	Resp:	215087
Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.5	10.2	15.2



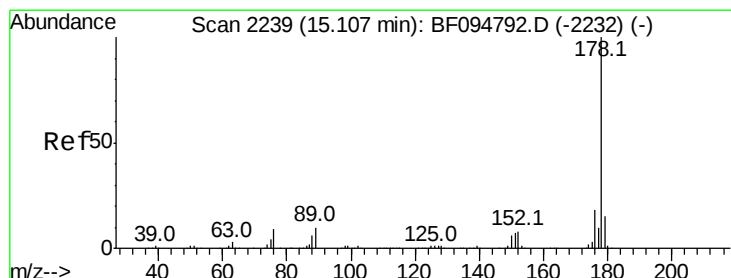
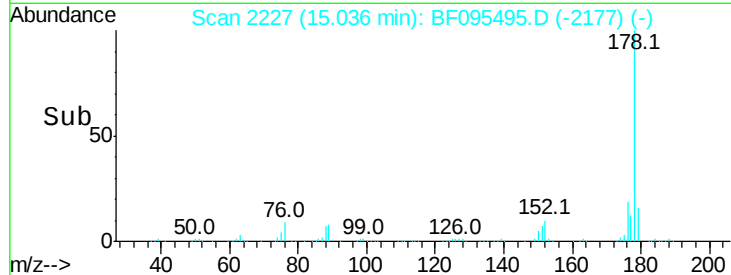
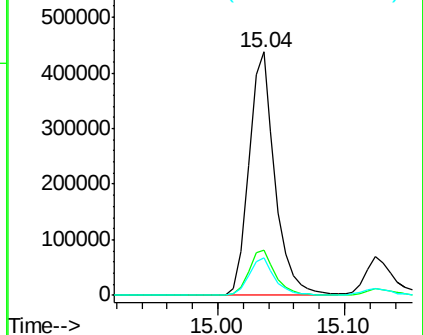


#70
Phenanthrene
Concen: 50.43 ng
RT: 15.04 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tot Ion:178 Resp: 623275
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 15.5 12.6 19.0

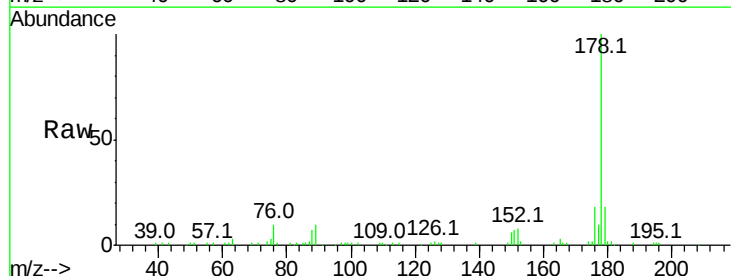


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

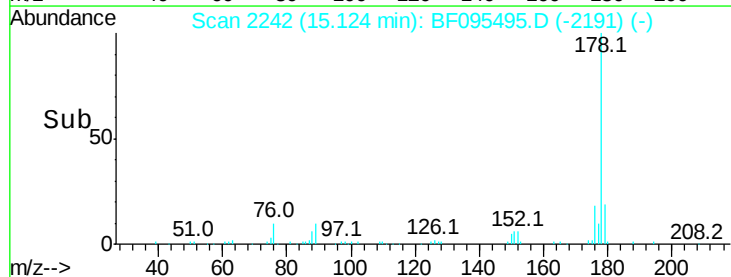
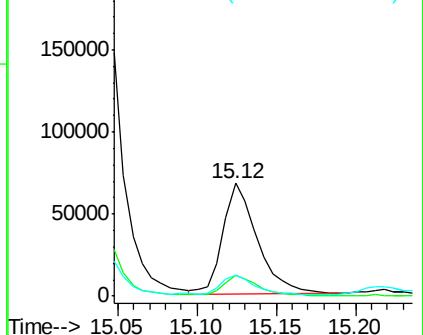


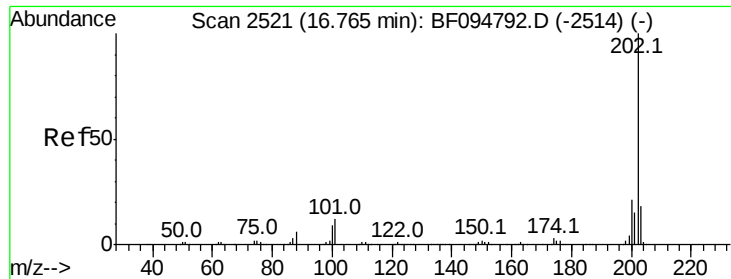
#71
Anthracene
Concen: 8.11 ng
RT: 15.12 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion:178 Resp: 102369
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 18.4 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: 34.26 ng

RT: 16.78 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

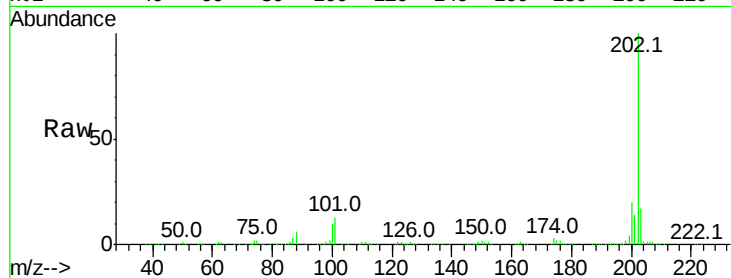
Tot Ion:202 Resp: 434364

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

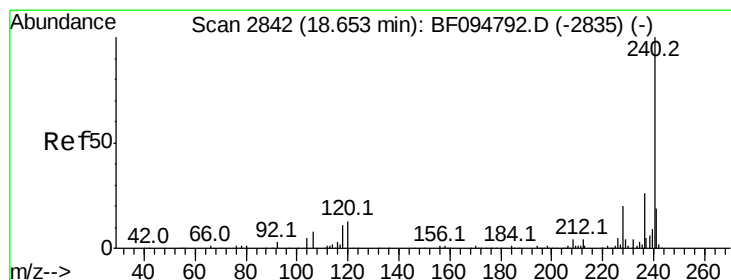
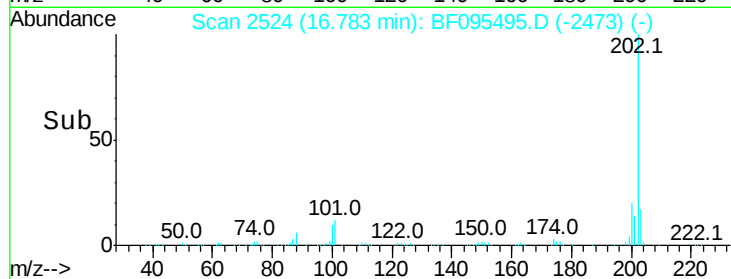
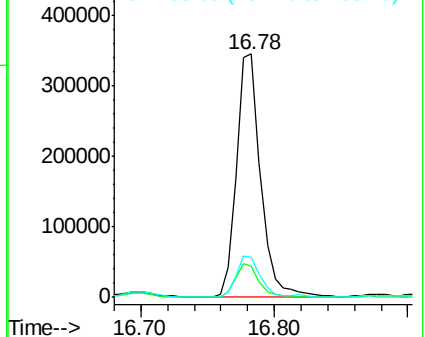
203 16.7 0.0 38.1



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: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

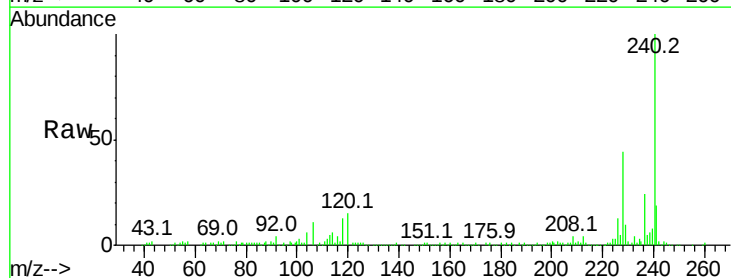
Tgt Ion:240 Resp: 194895

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

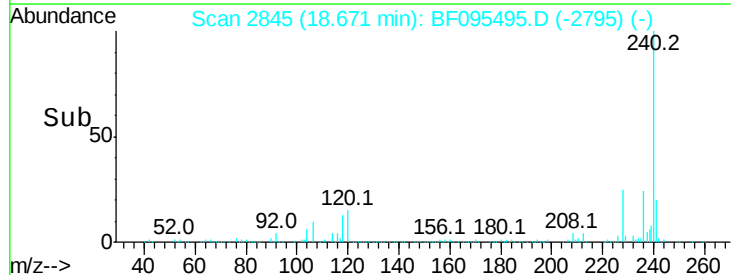
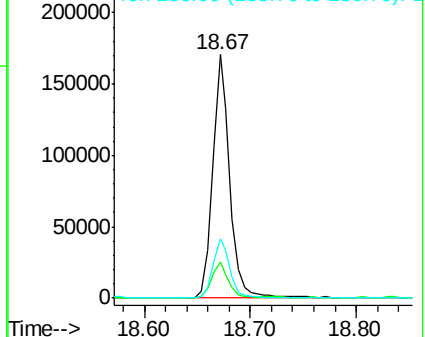
236 24.5 20.5 30.7

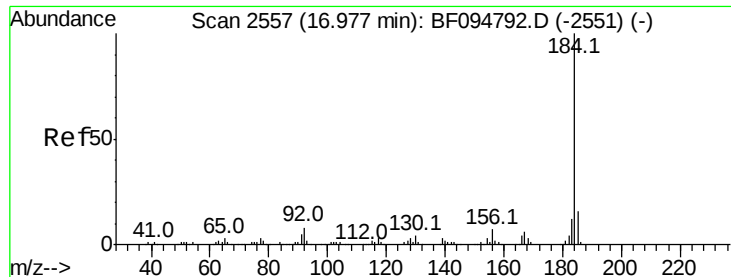


Abundance Ion 240.00 (239.70 to 240.70): E

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# 2562

Delta R.T. -0.00 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

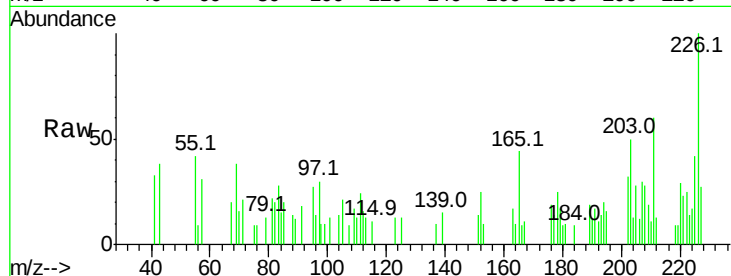
Tot Ion:184 Resp: 110

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

17.01

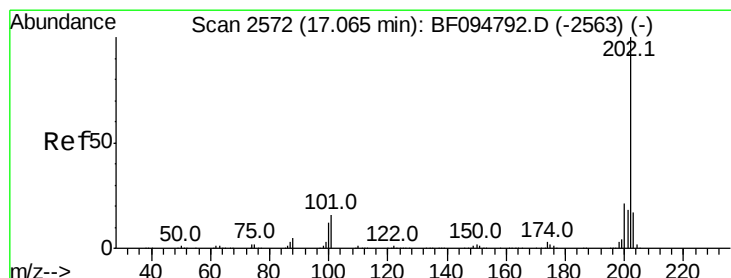
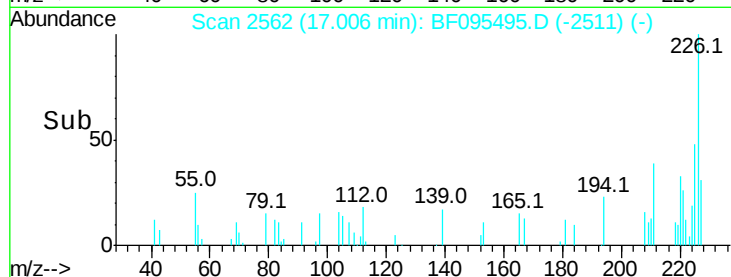
300

200

100

0

Time-->



#77

Pyrene

Concen: 42.22 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095495.D

Acq: 27 May 2017 10:51

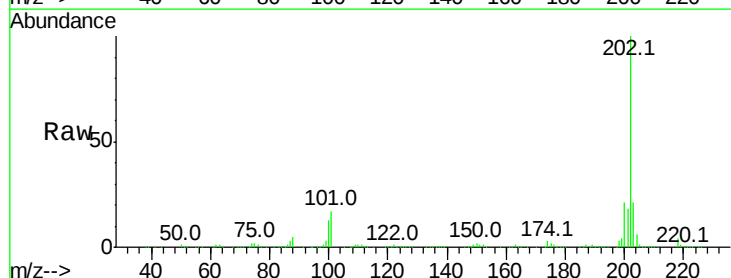
Tgt Ion:202 Resp: 615342

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 20.6 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

17.08

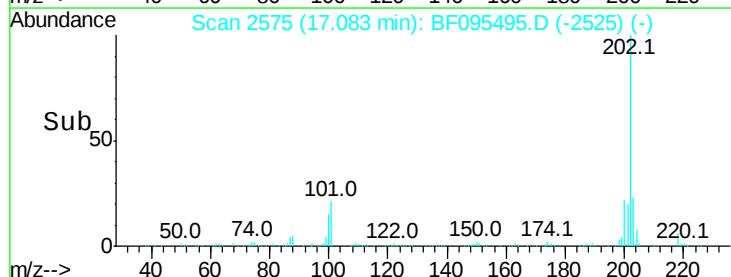
600000

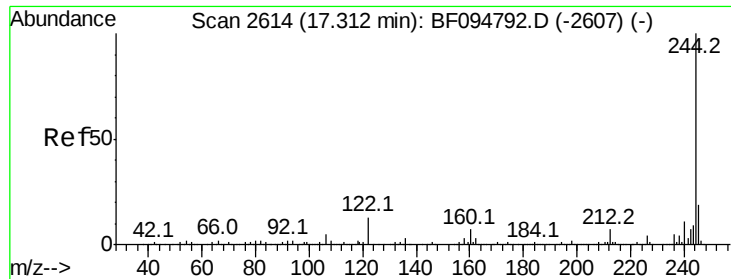
400000

200000

0

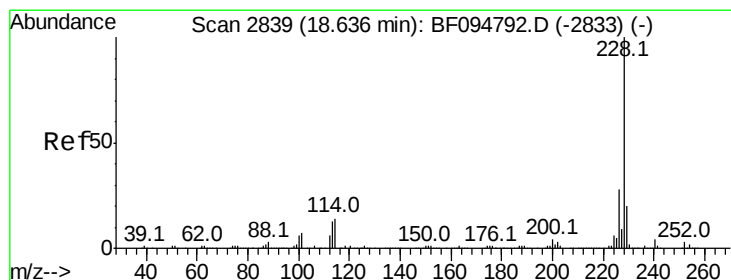
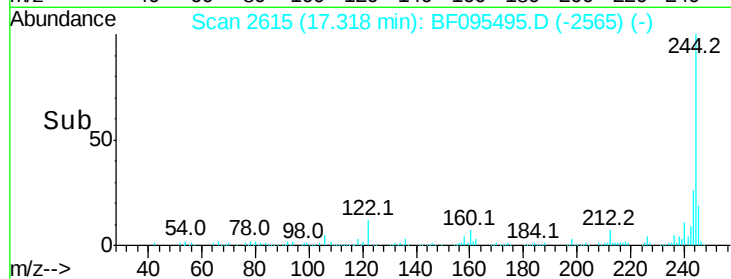
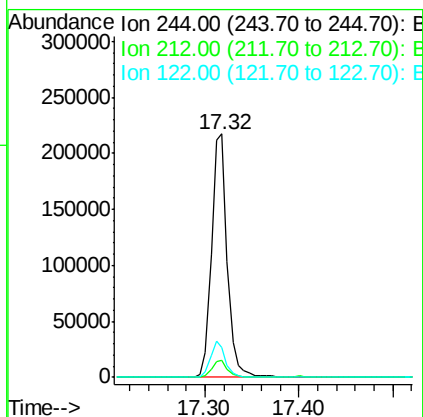
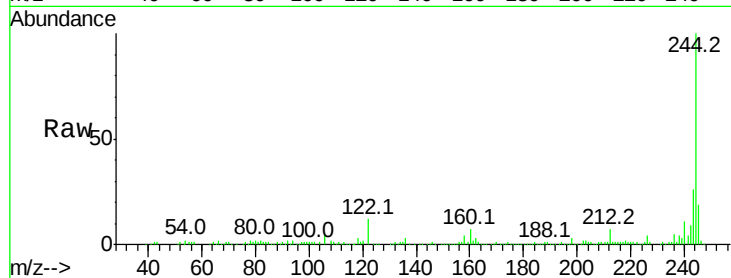
Time-->





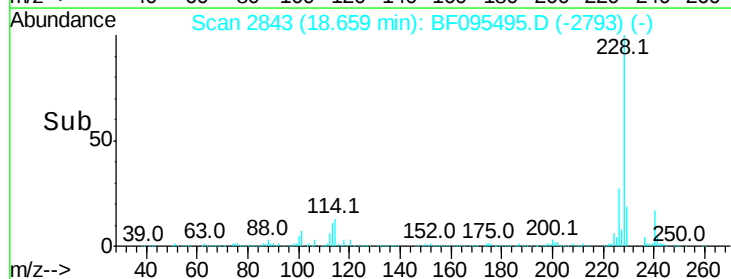
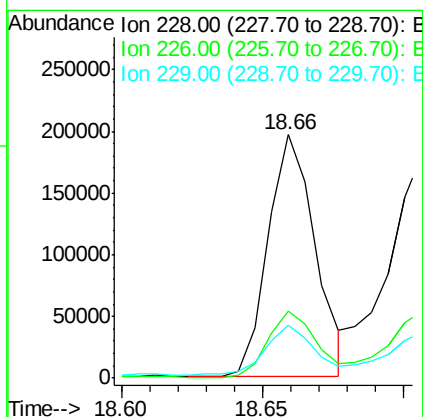
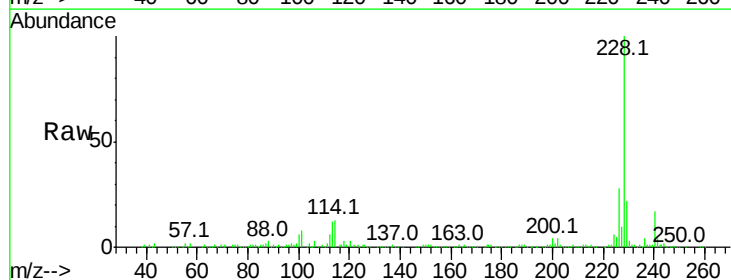
#78
 Terphenyl-d14
 Concen: 29.09 ng
 RT: 17.32 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

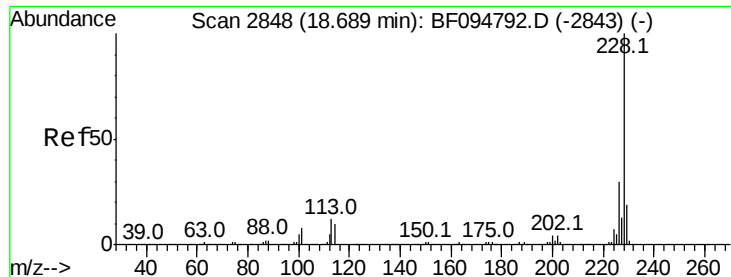
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.4	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 19.99 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

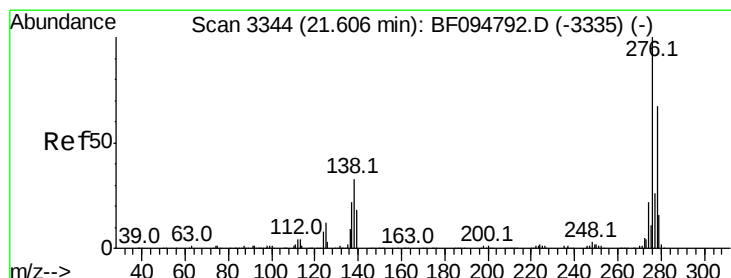
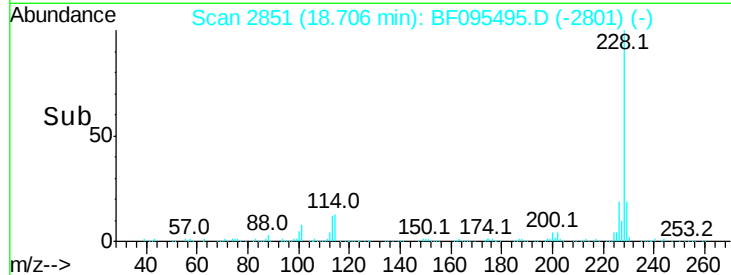
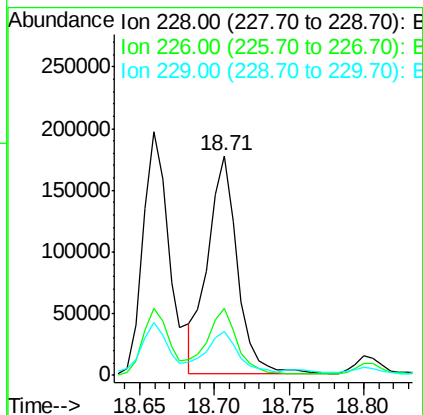
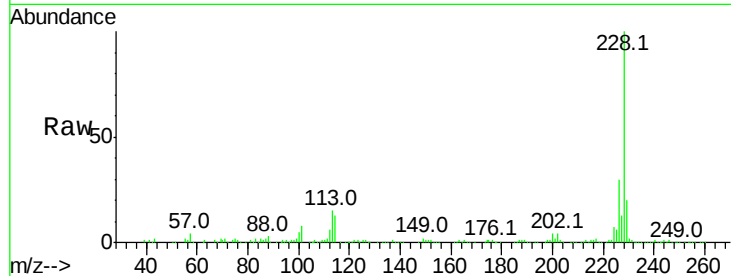
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.6	16.3	24.5





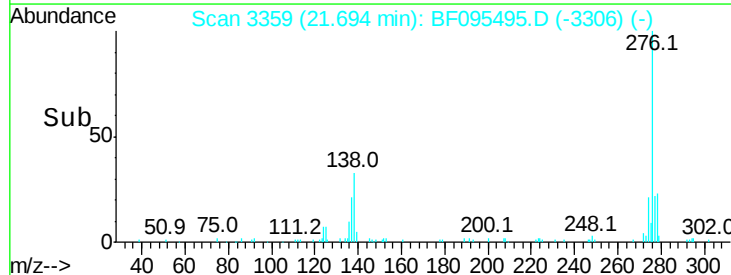
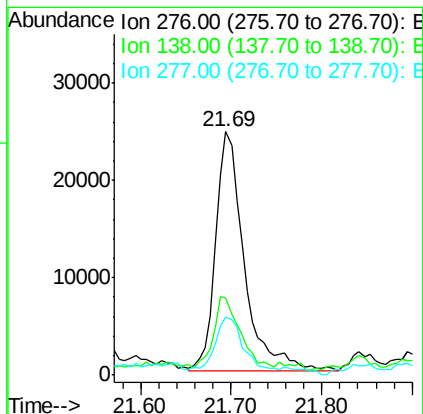
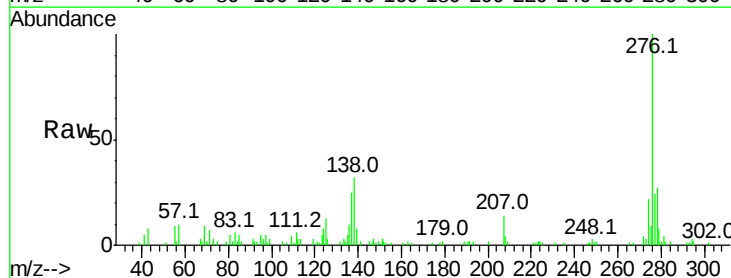
#82
Chrysene
Concen: 22.28 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

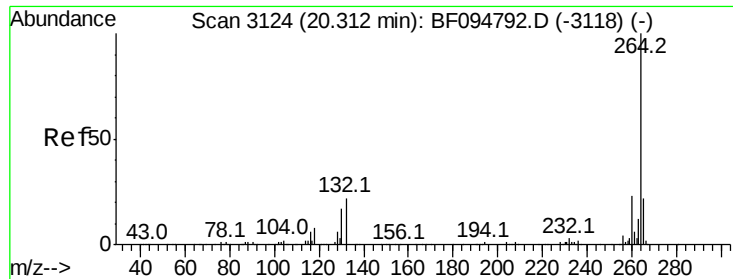
Tot	Ion:228	Resp:	244329
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	20.1	15.8	23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.99 ng
RT: 21.69 min Scan# 3359
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

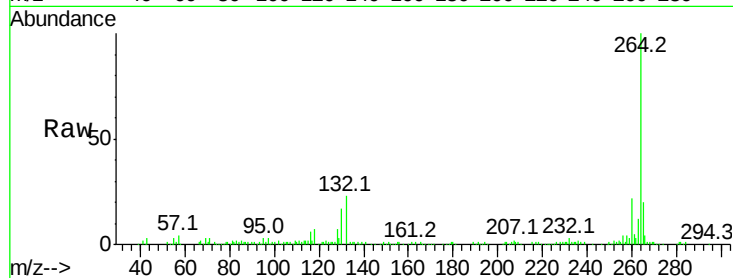
Tgt	Ion:276	Resp:	53389
Ion	Ratio	Lower	Upper
276	100		
138	27.2	27.8	41.6#
277	19.9	20.2	30.4#



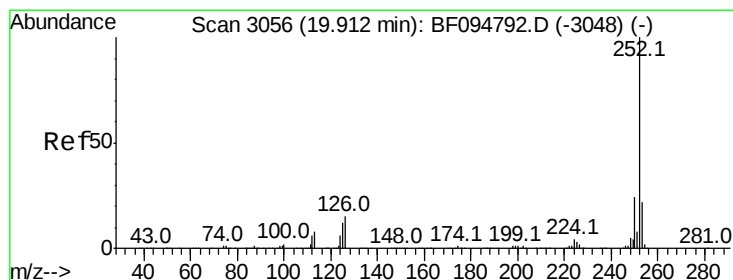
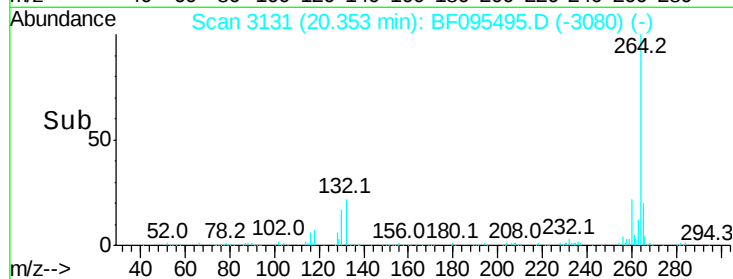
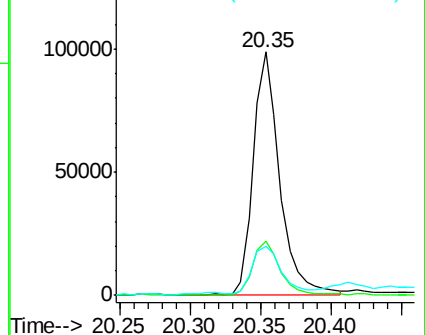


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tot Ion:	264	Resp:	130563
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.2	17.2	25.8

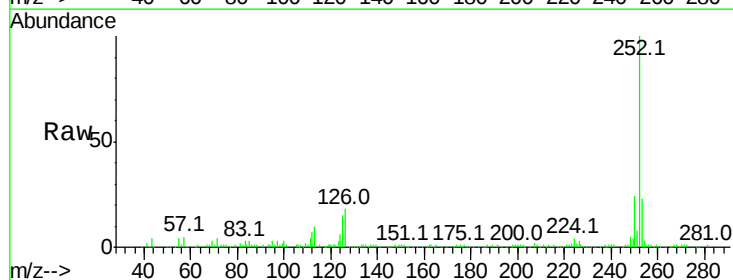


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

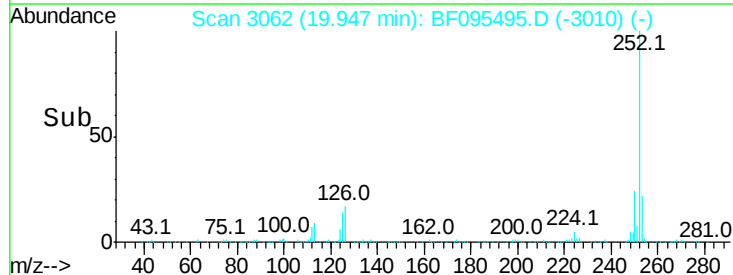
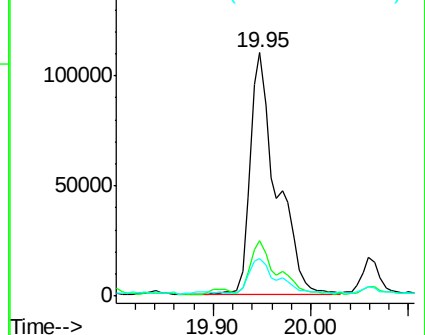


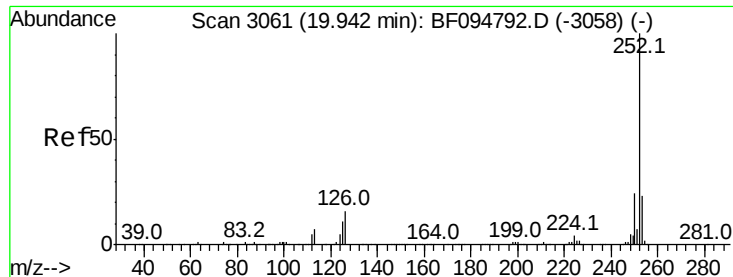
#87
Benzo(b)fluoranthene
Concen: 26.01 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

Tgt Ion:	252	Resp:	209875
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	15.4	9.8	14.8#



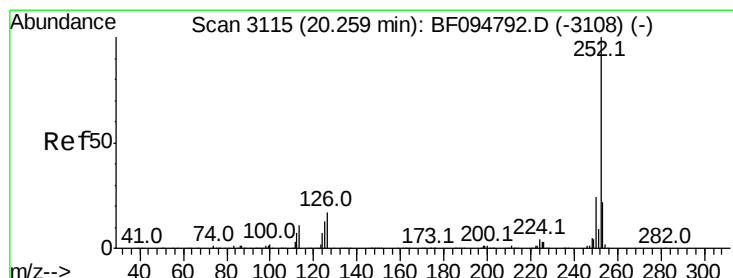
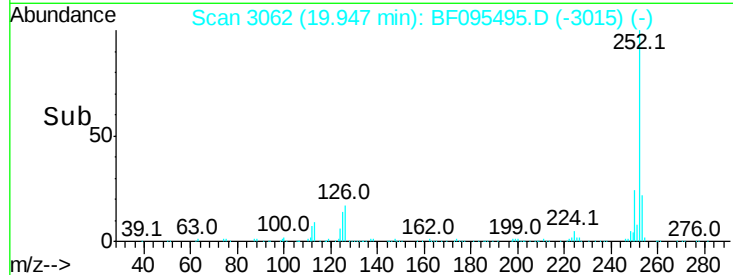
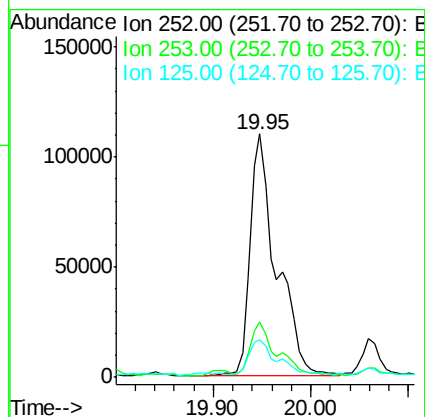
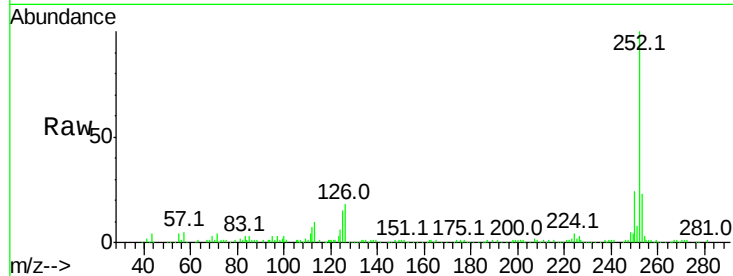
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





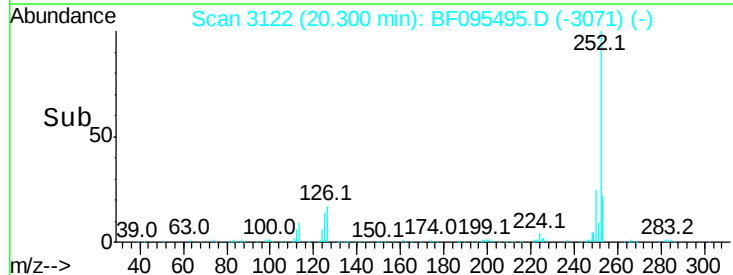
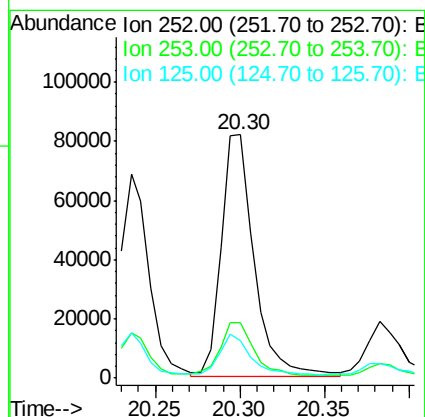
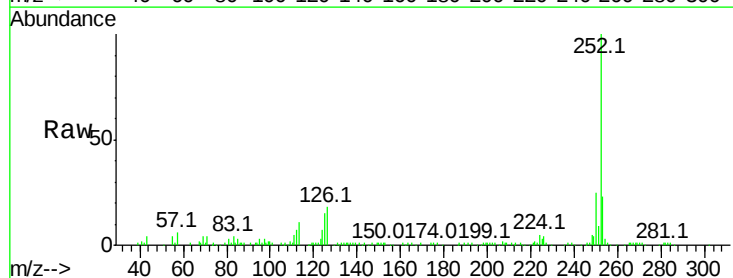
#88
Benzo(k)fluoranthene
Concen: 26.97 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

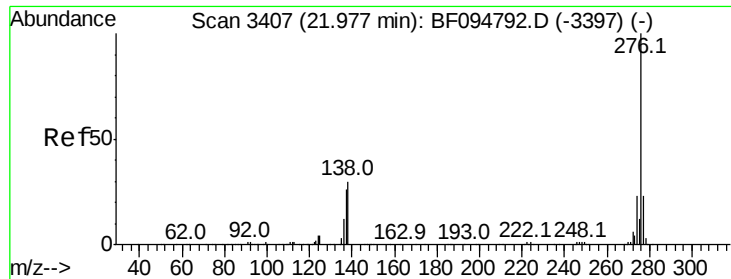
Tot Ion:252	Resp:	209875
Ion Ratio	Lower	Upper
252 100		
253 22.7	18.4	27.6
125 15.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 14.91 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095495.D
Acq: 27 May 2017 10:51

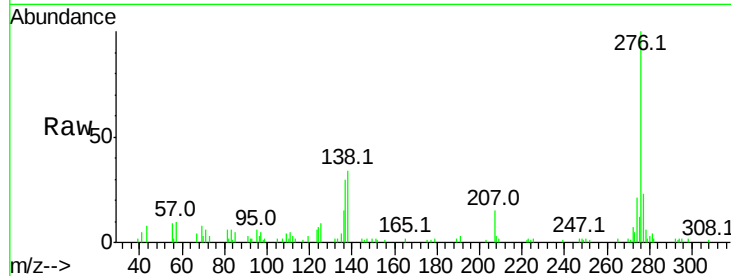
Tgt Ion:252	Resp:	110992
Ion Ratio	Lower	Upper
252 100		
253 22.7	17.5	26.3
125 15.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.40 ng
 RT: 22.08 min Scan# 3425
 Delta R.T. 0.01 min
 Lab File: BF095495.D
 Acq: 27 May 2017 10:51

Tot Ion:	276	Resp:	56692
Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	34.1	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

