

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094826.D
 Acq On : 3 May 2017 9:56
 Operator : SJ/MA
 Sample : I2892-07DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

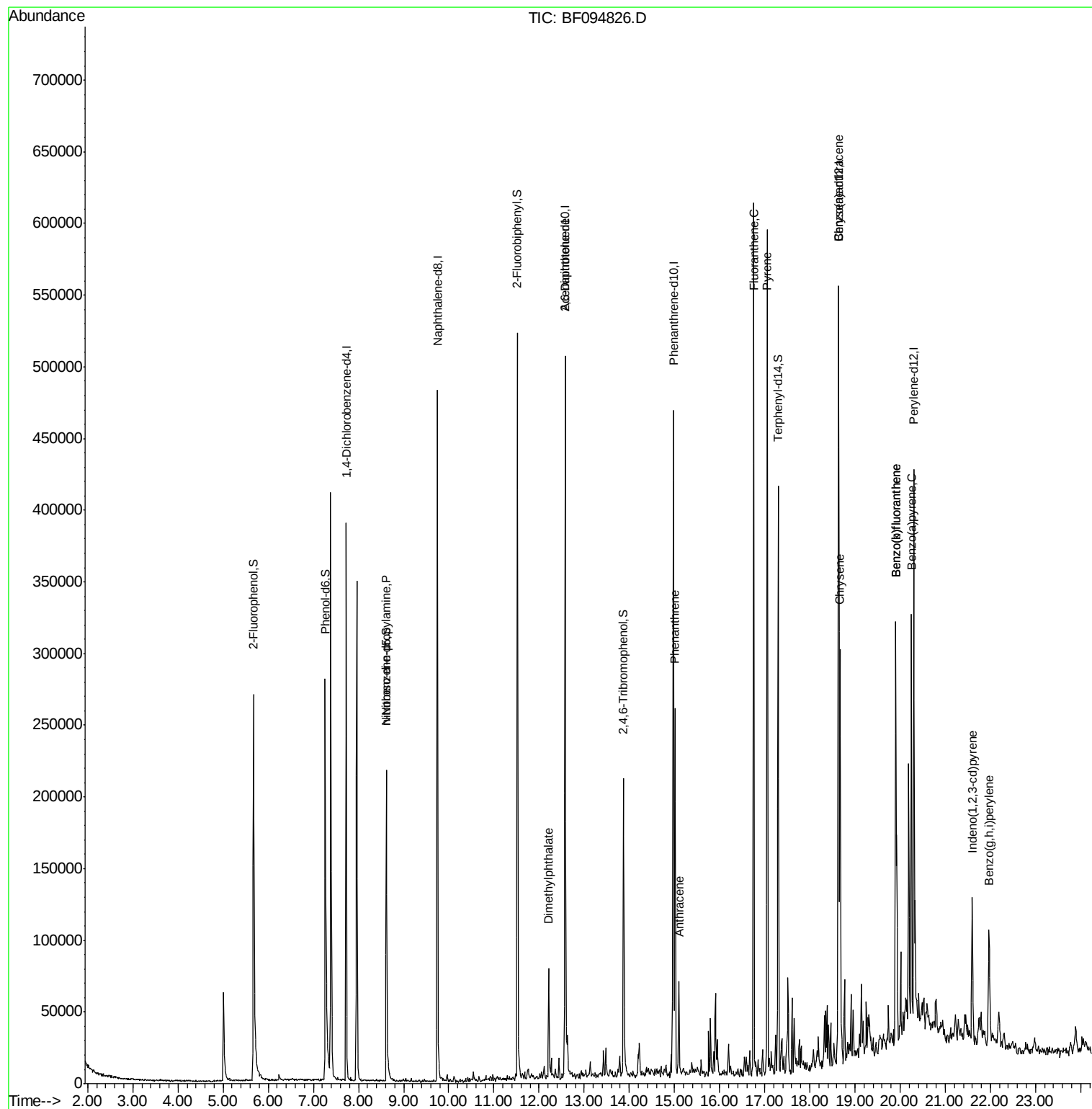
Quant Time: May 03 11:49:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

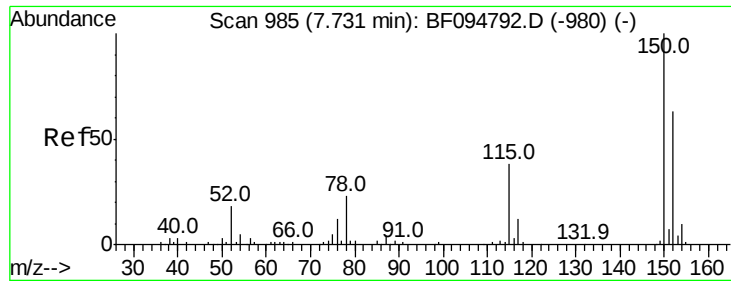
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	77963	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	314512	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	144525	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	221105	20.00	ng	0.00
75) Chrysene-d12	18.64	240	178533	20.00	ng	-0.01
86) Perylene-d12	20.31	264	152537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	161674	34.57	ng	0.00
7) Phenol-d6	7.26	99	198862	35.44	ng	-0.02
23) Nitrobenzene-d5	8.62	82	114770	23.01	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	34292	28.97	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	217640	21.68	ng	-0.01
78) Terphenyl-d14	17.30	244	145661	17.97	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	13726	3.62	ng	# 69
49) Dimethylphthalate	12.21	163	49396	4.16	ng	98
50) 2,6-Dinitrotoluene	12.58	165	15813	6.53	ng	# 31
70) Phenanthrene	15.01	178	132079	10.40	ng	97
71) Anthracene	15.10	178	38373	2.96	ng	96
74) Fluoranthene	16.75	202	285953	21.94	ng	99
77) Pyrene	17.05	202	253241	18.97	ng	# 94
80) Benzo(a)anthracene	18.63	228	129571	12.47	ng	97
82) Chrysene	18.67	228	118522	11.80	ng	100
85) Indeno(1,2,3-cd)pyrene	21.59	276	57771	7.08	ng	95
87) Benzo(b)fluoranthene	19.90	252	206342	21.89	ng	97
88) Benzo(k)fluoranthene	19.90	252	206342	22.70	ng	95
89) Benzo(a)pyrene	20.25	252	116134	13.35	ng	97
91) Benzo(a,h,i)perylene	21.97	276	59565	8.45	ng	92

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

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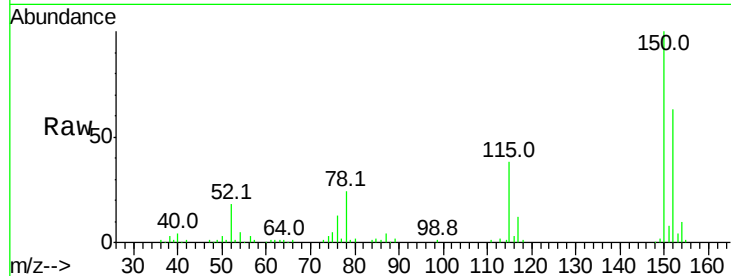




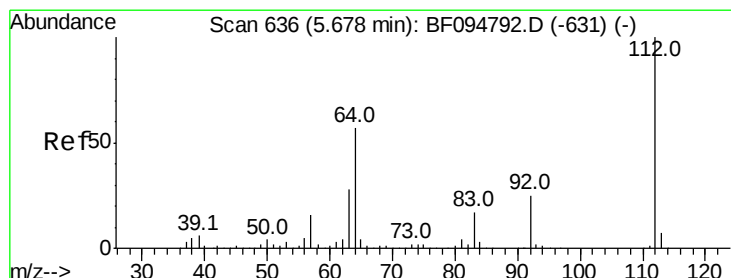
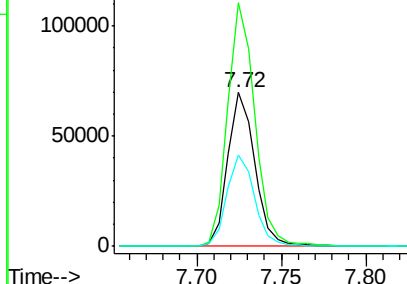
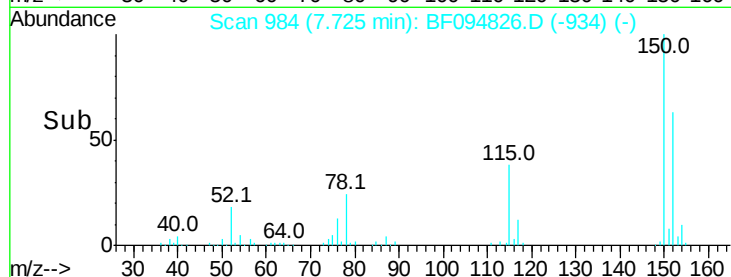
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	59.5	52.2	78.2



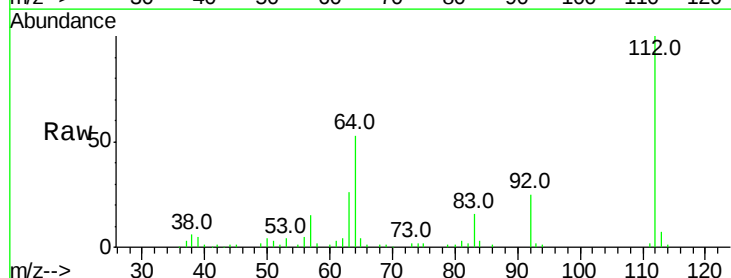
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



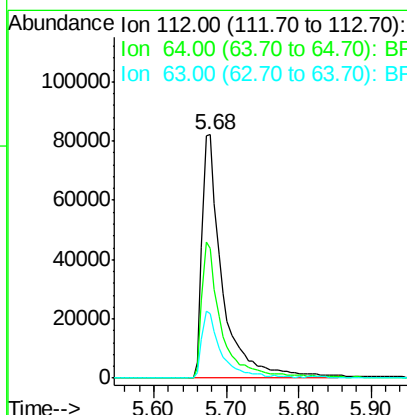
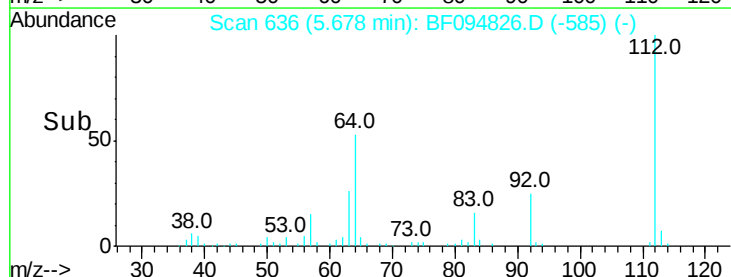
#5

2-Fluorophenol
Concen: 34.57 ng
RT: 5.68 min Scan# 636
Delta R.T. -0.00 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	26.4	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: 35.44 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

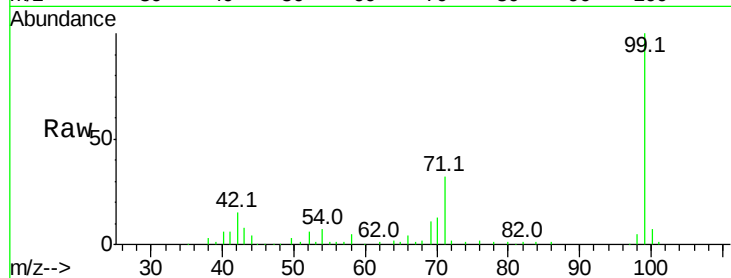
Tot Ion: 99 Resp: 198862

Ion Ratio Lower Upper

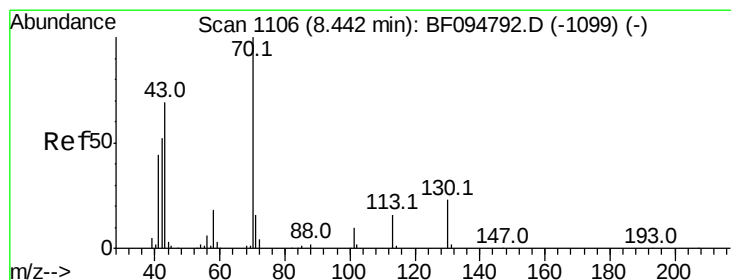
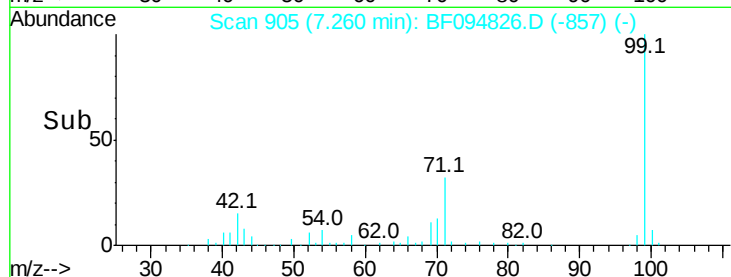
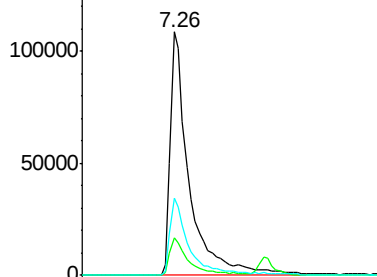
99 100

42 15.5 13.5 20.3

71 31.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.62 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

Tgt Ion: 70 Resp: 13726

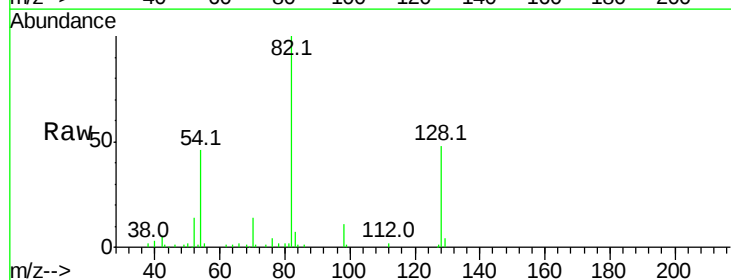
Ion Ratio Lower Upper

70 100

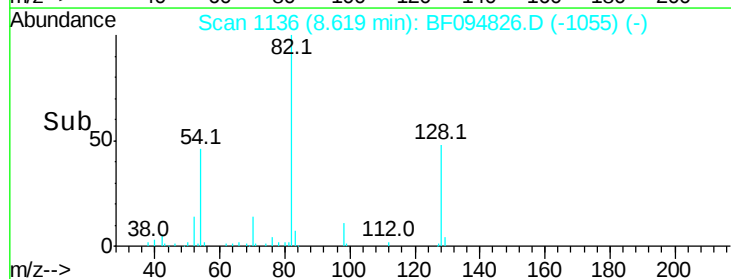
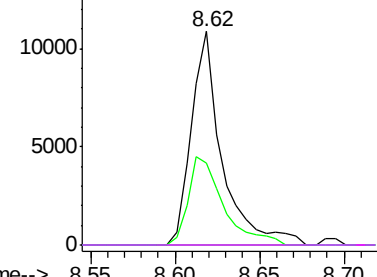
42 38.3 47.2 70.8#

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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.75 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

Tot Ion:136 Resp: 314512

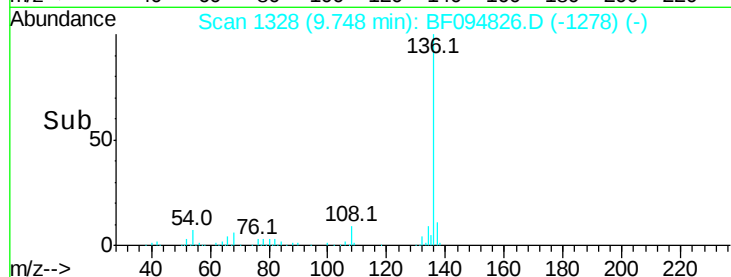
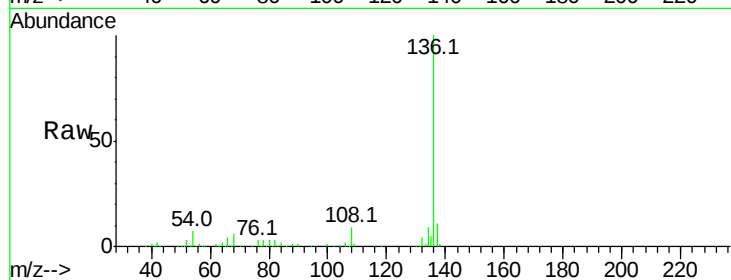
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->

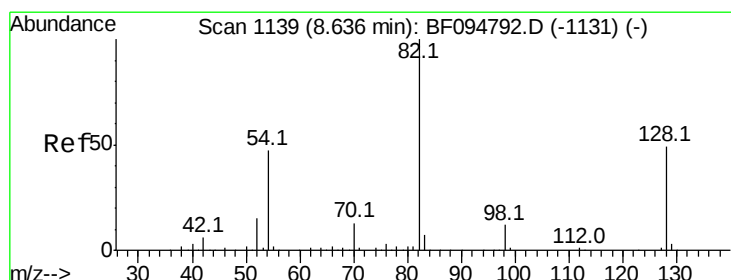
9.75

200000

100000

0

9.70 9.80 9.90



#23

Nitrobenzene-d5

Concen: 23.01 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

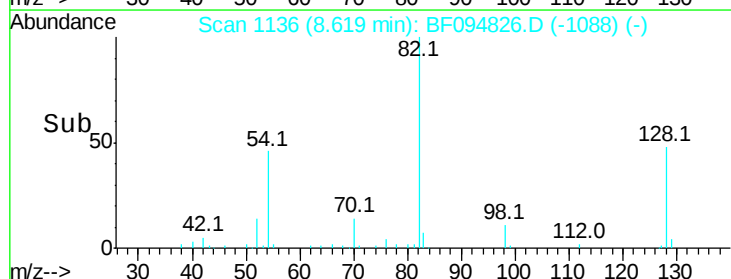
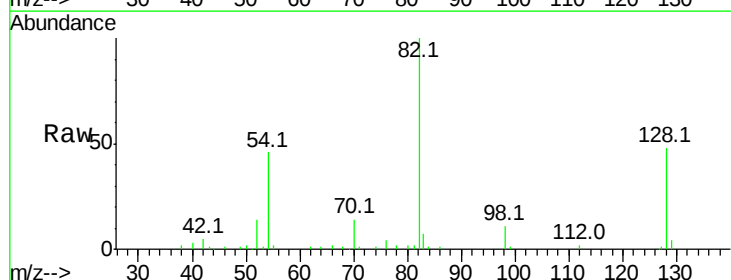
Tgt Ion: 82 Resp: 114770

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

54 46.2 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

8.62

100000

80000

60000

40000

20000

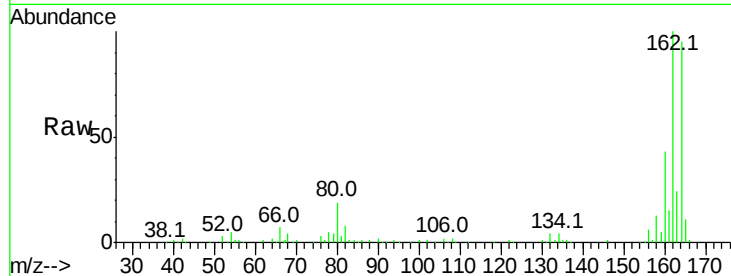
0

8.50 8.60 8.70 8.80

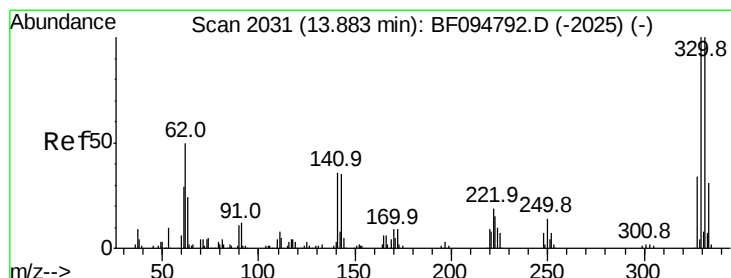
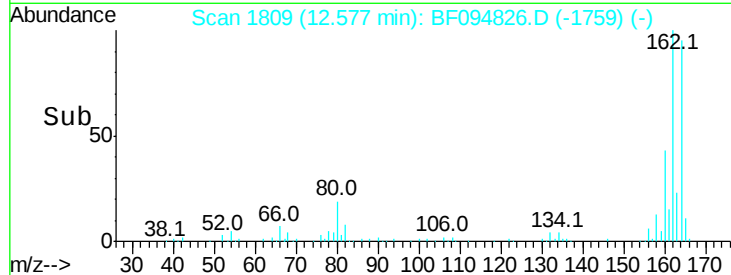
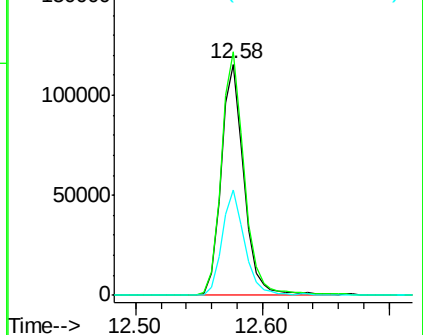


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	82.6	123.8
160	45.3	36.2	54.2

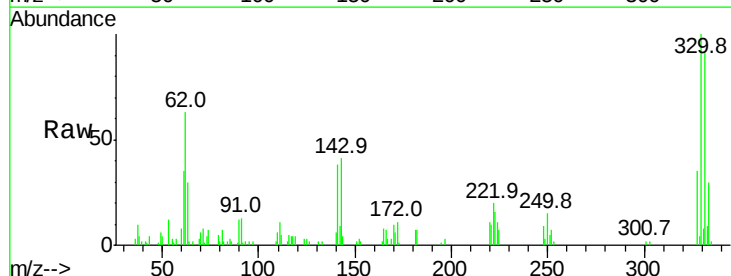


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

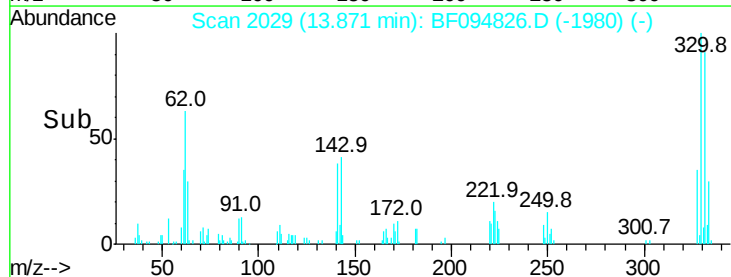
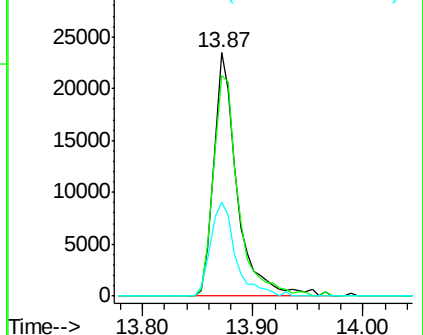


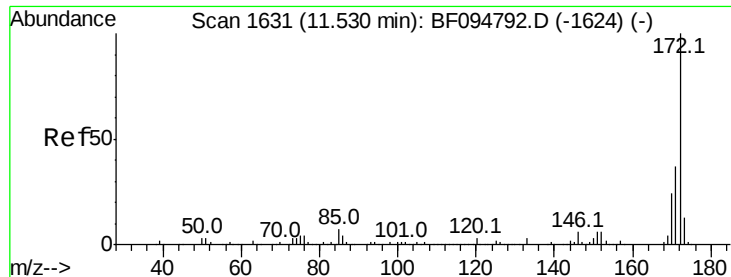
#41
 2,4,6-Tribromophenol
 Concen: 28.97 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	40.5	31.4	47.2



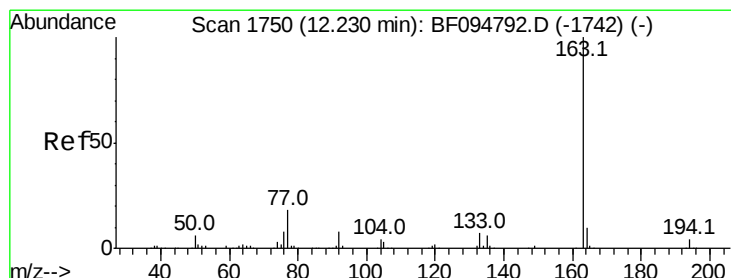
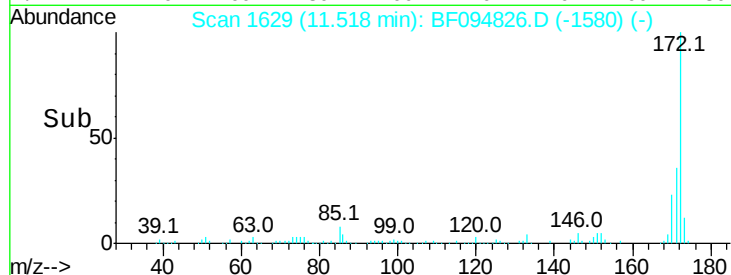
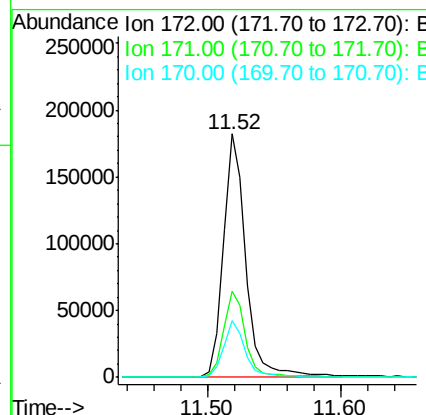
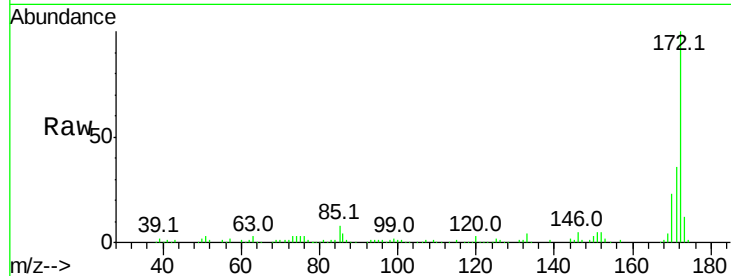
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





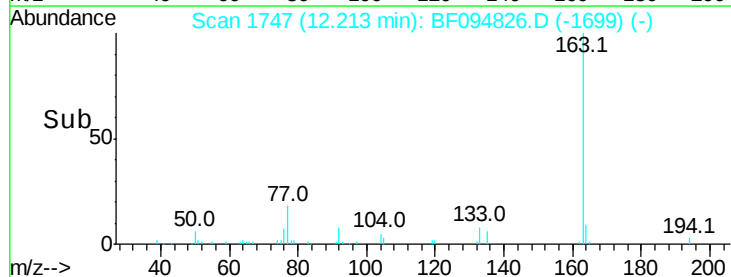
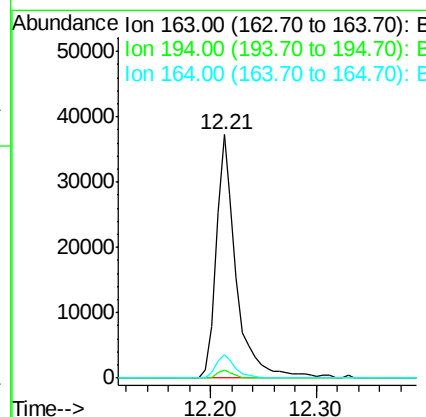
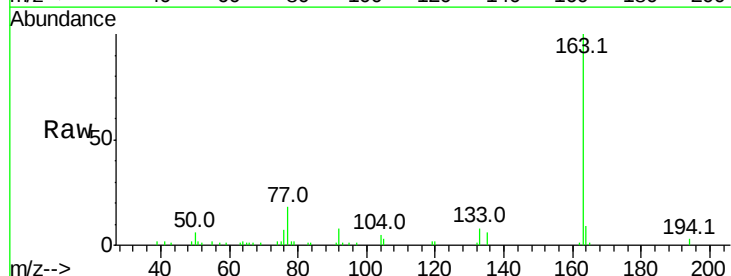
#44
 2-Fluorobiphenyl
 Concen: 21.68 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

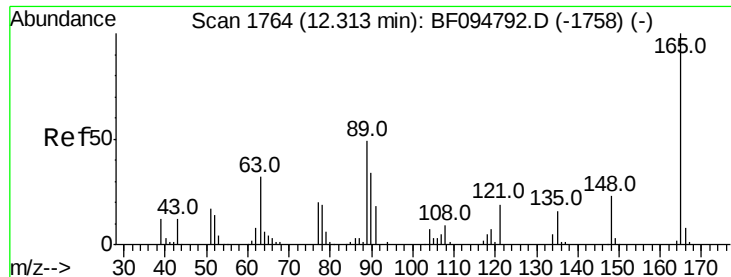
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.2	19.8	29.8



#49
 Dimethylphthalate
 Concen: 4.16 ng
 RT: 12.21 min Scan# 1747
 Delta R.T. -0.02 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

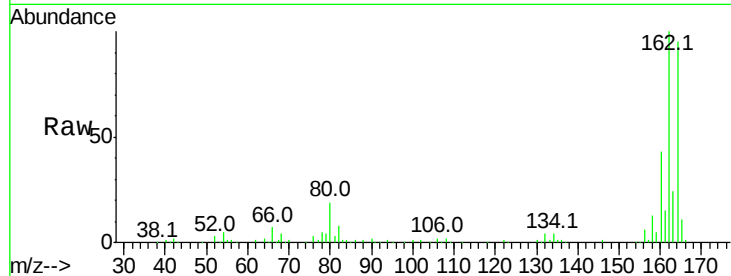
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.5	8.4	12.6





#50
 2,6-Dinitrotoluene
 Concen: 6.53 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. 0.26 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

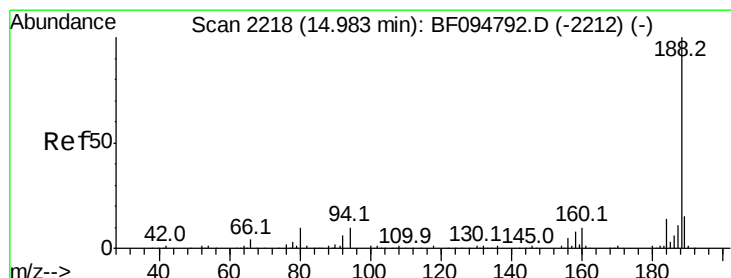
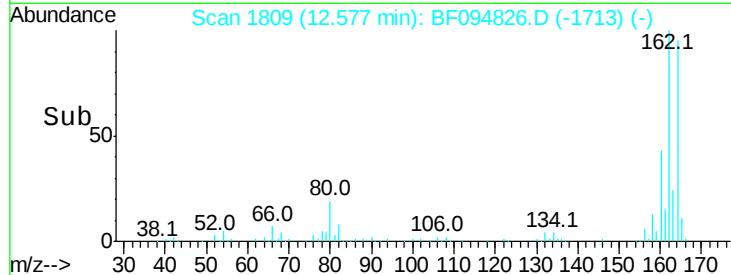
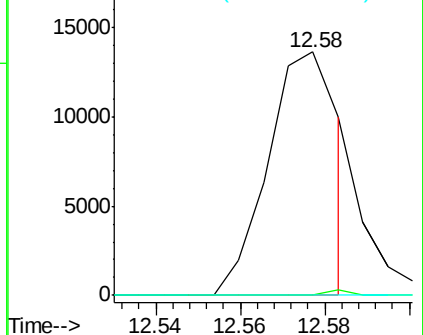
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

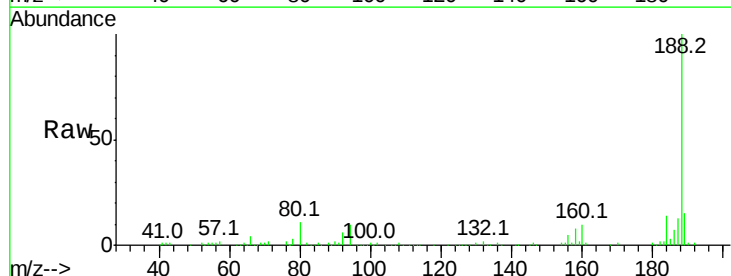
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.98 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

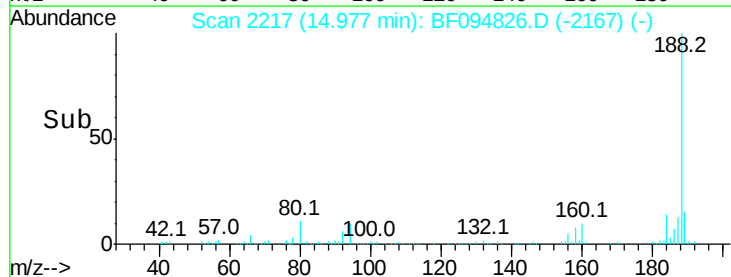
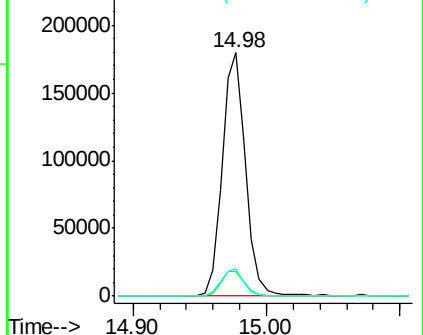
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	11.3	10.2	15.2

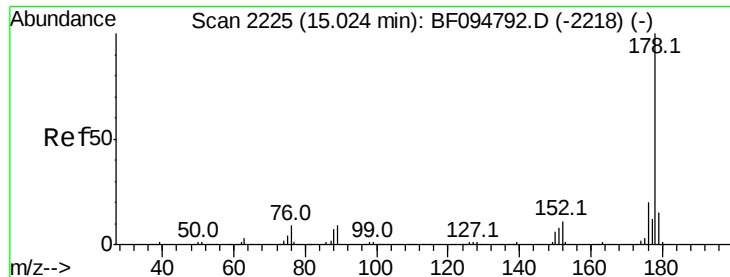


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

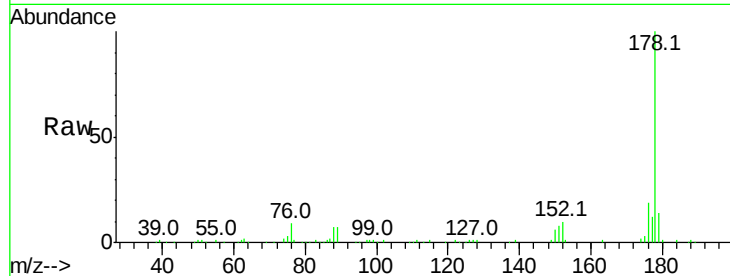
Ion 80.00 (79.70 to 80.70): BF0



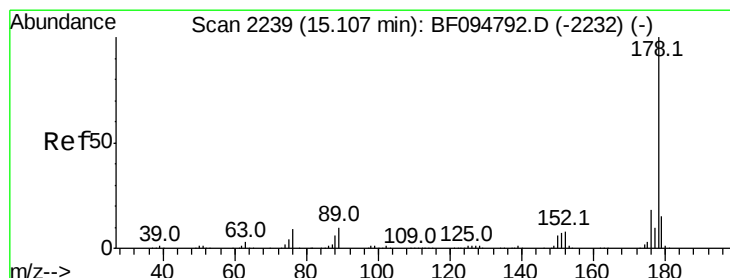
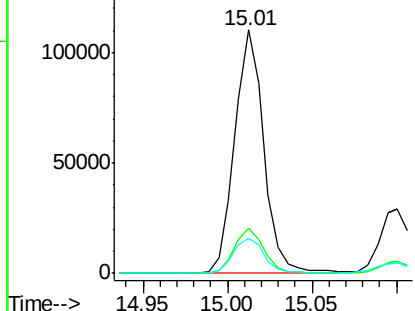
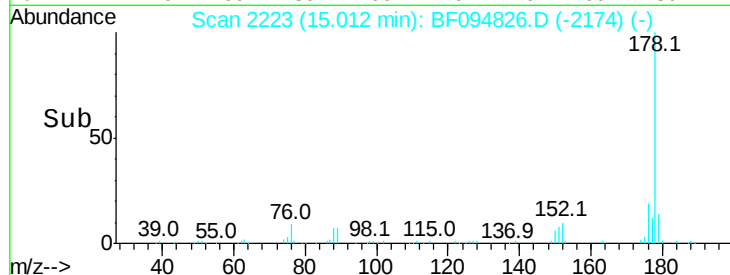


#70
Phenanthrene
Concen: 10.40 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

Tot Ion:178 Resp: 132079
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 14.5 12.6 19.0

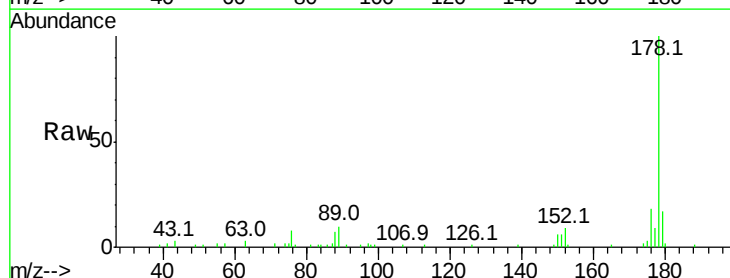


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

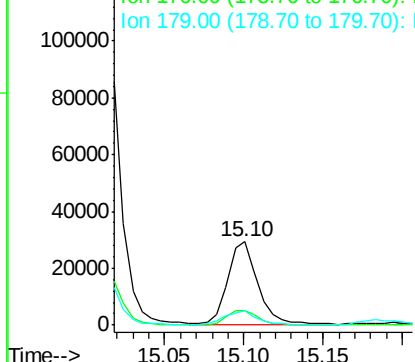
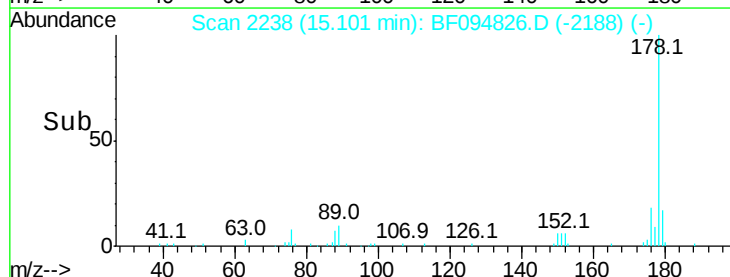


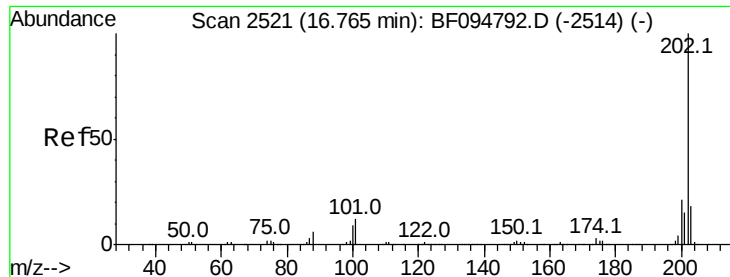
#71
Anthracene
Concen: 2.96 ng
RT: 15.10 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

Tgt Ion:178 Resp: 38373
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 17.3 12.7 19.1



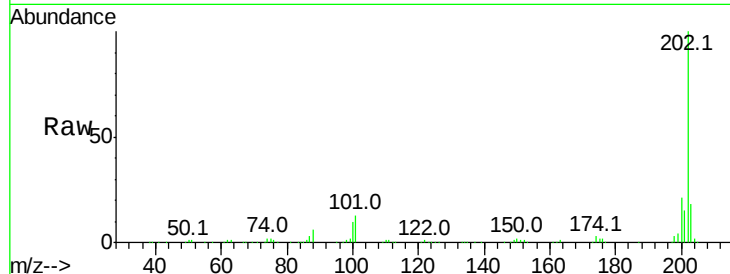
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



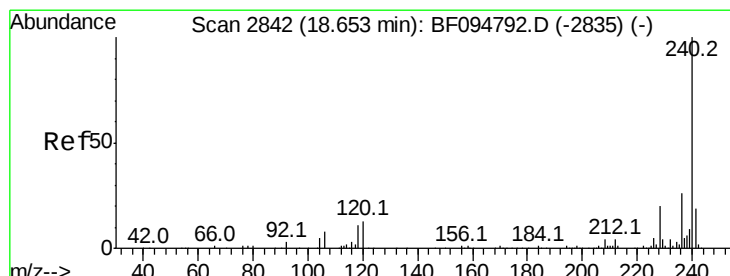
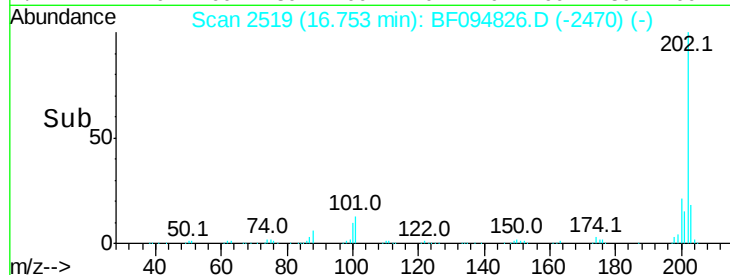
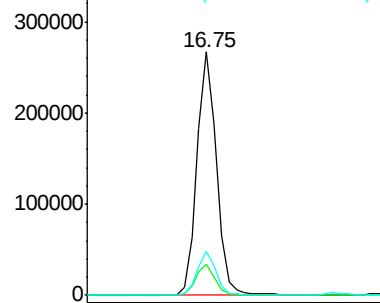


#74
 Fluoranthene
 Concen: 21.94 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

Tot Ion:	202	Resp:	285953
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	18.0	0.0	38.1

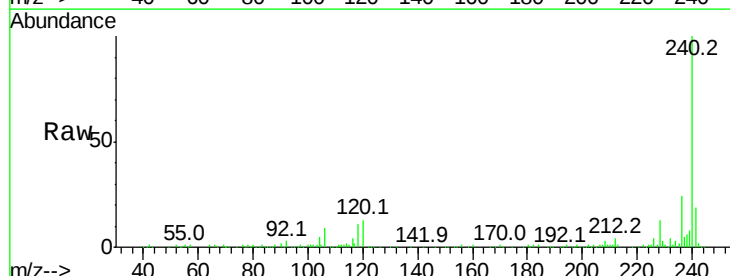


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

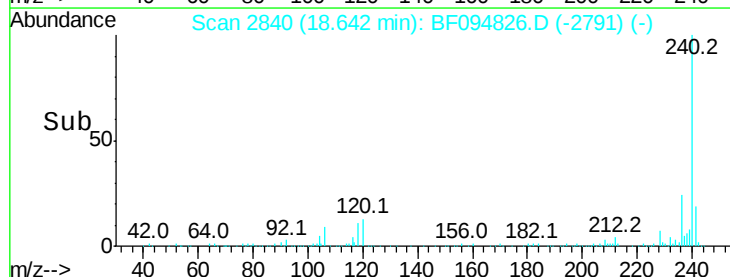
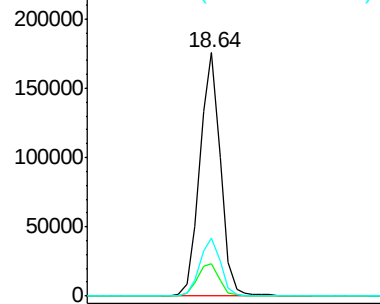


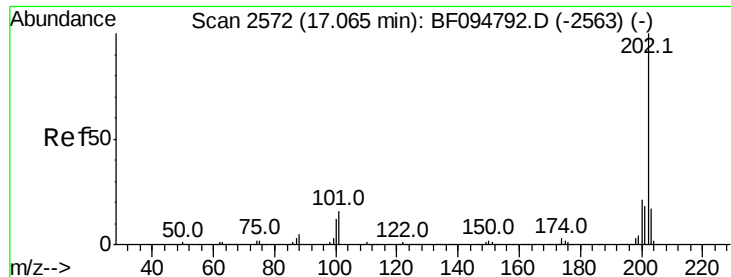
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

Tgt Ion:	240	Resp:	178533
Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	23.8	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: 18.97 ng

RT: 17.05 min Scan# 2570

Delta R.T. -0.01 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

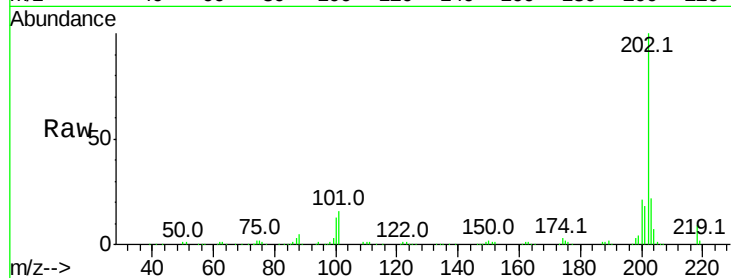
Tot Ion:202 Resp: 253241

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

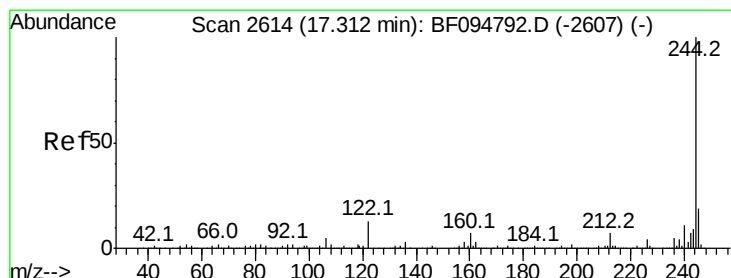
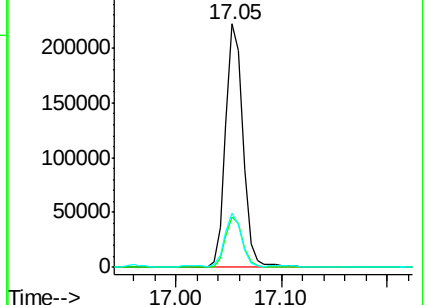
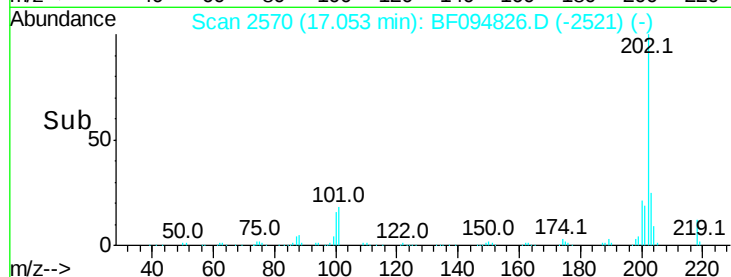
203 22.0 14.4 21.6#



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: 17.97 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

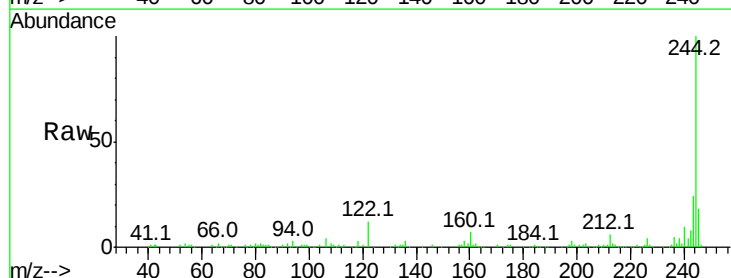
Tgt Ion:244 Resp: 145661

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

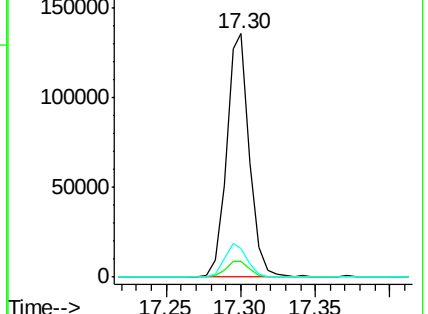
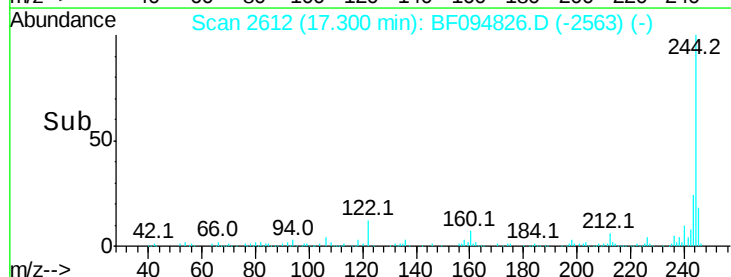
122 11.9 10.3 15.5

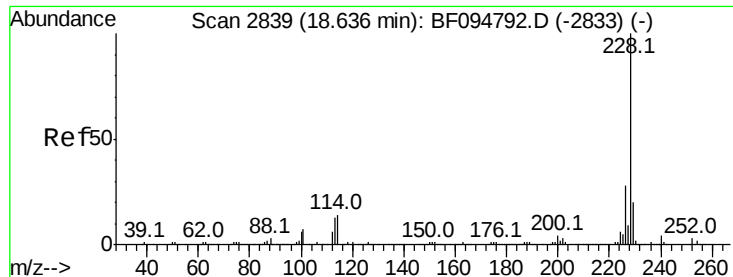


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

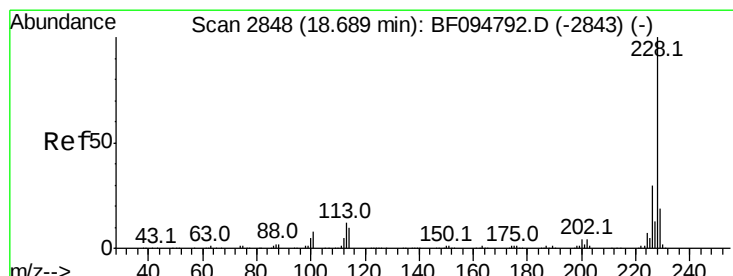
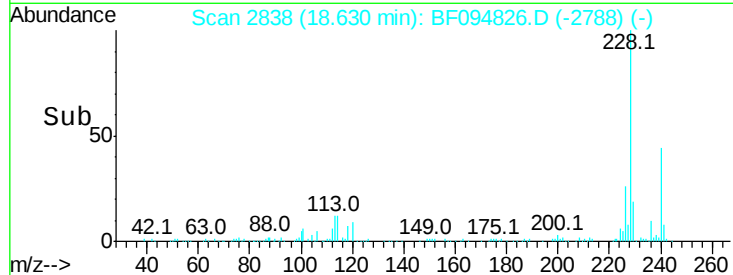
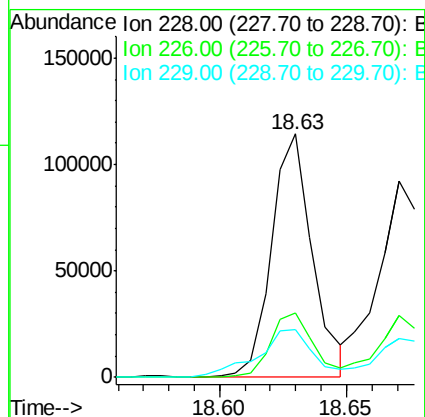
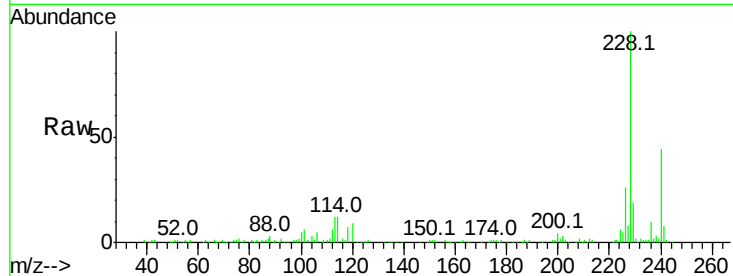
Ion 122.00 (121.70 to 122.70): E





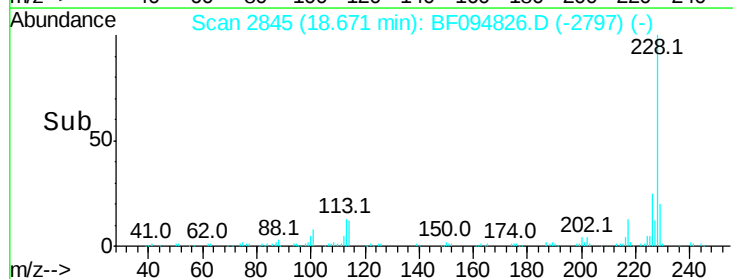
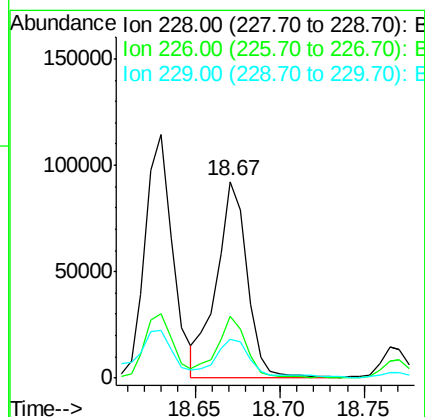
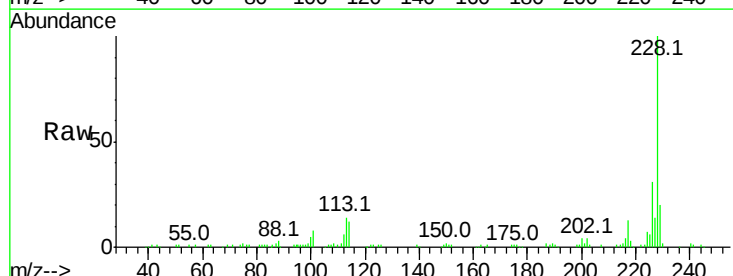
#80
Benzo(a)anthracene
Concen: 12.47 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

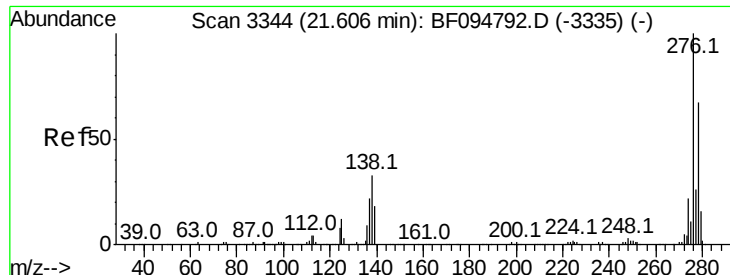
Tot Ion:228	Resp:	129571
Ion Ratio	Lower	Upper
228	100	
226	26.4	22.6 33.8
229	19.5	16.3 24.5



#82
Chrysene
Concen: 11.80 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

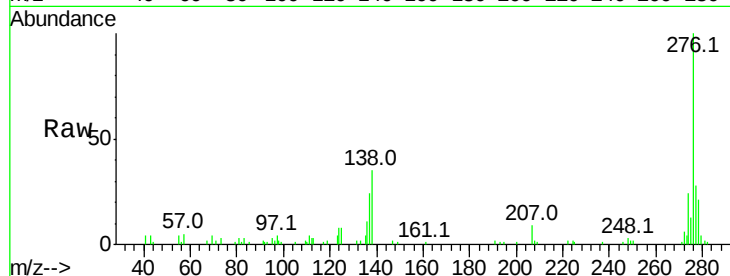
Tgt Ion:228	Resp:	118522
Ion Ratio	Lower	Upper
228	100	
226	31.2	24.9 37.3
229	20.0	15.8 23.6



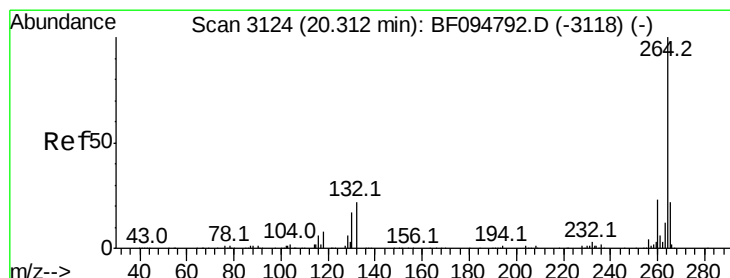
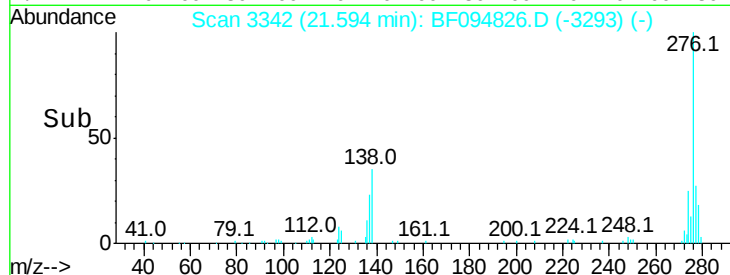
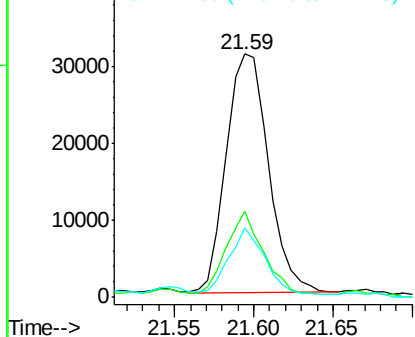


#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.08 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

Tot Ion:276 Resp: 57771
 Ion Ratio Lower Upper
 276 100
 138 30.4 27.8 41.6
 277 24.3 20.2 30.4

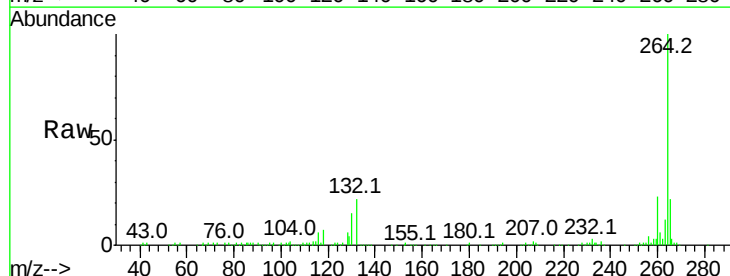


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

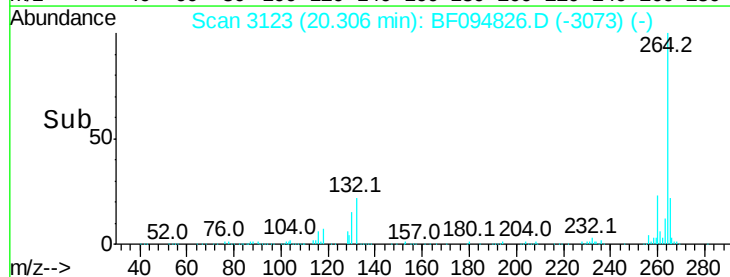
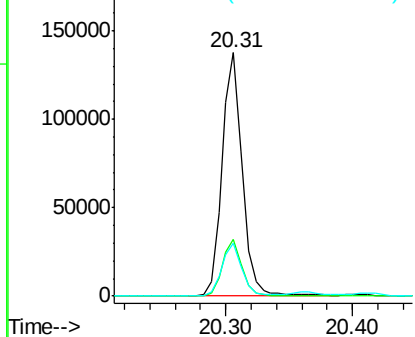


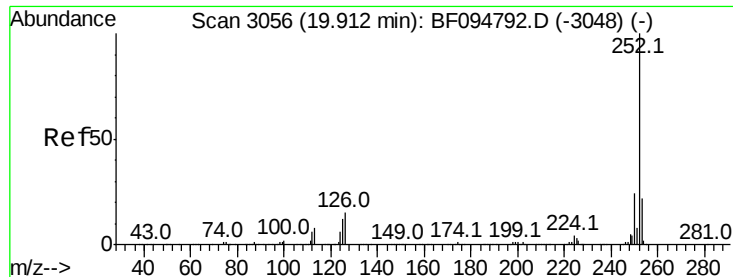
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094826.D
 Acq: 3 May 2017 9:56

Tgt Ion:264 Resp: 152537
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 21.6 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: 21.89 ng

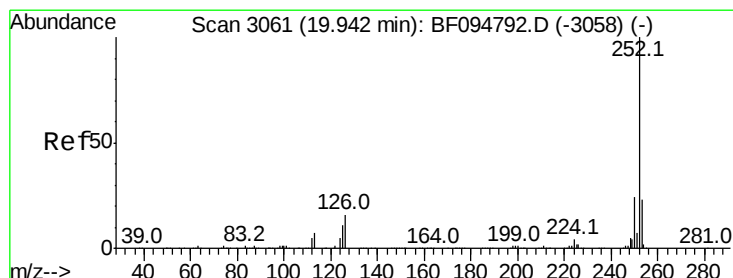
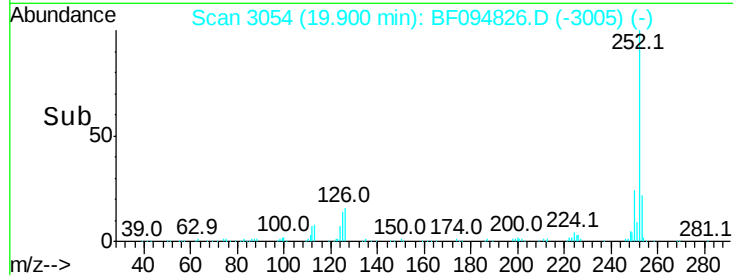
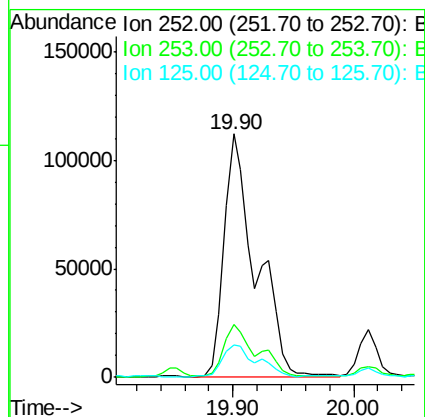
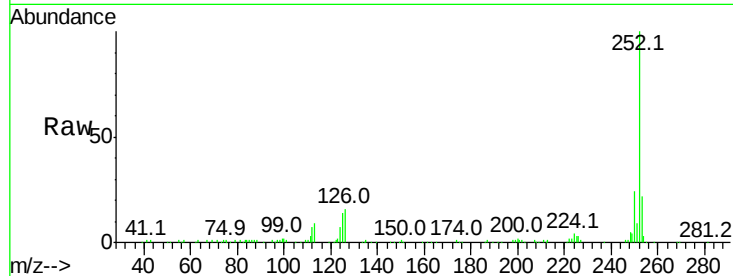
RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

Tot Ion:	252	Resp:	206342
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	13.6	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 22.70 ng

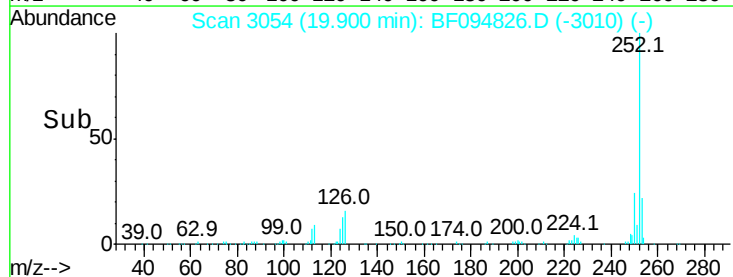
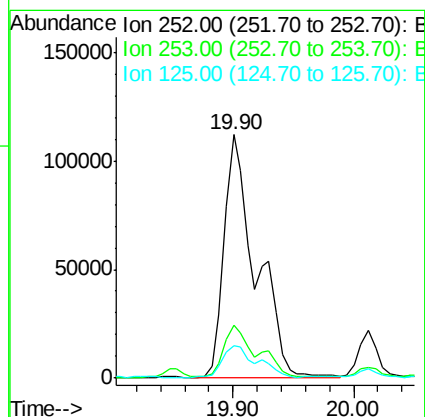
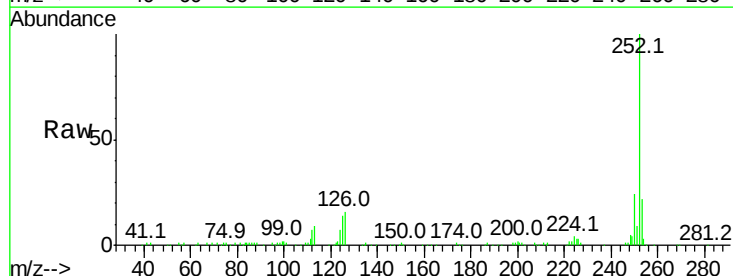
RT: 19.90 min Scan# 3054

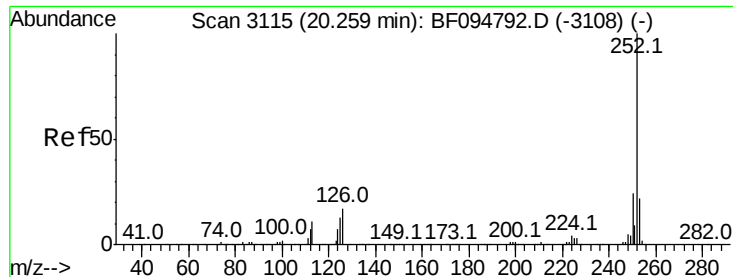
Delta R.T. -0.04 min

Lab File: BF094826.D

Acq: 3 May 2017 9:56

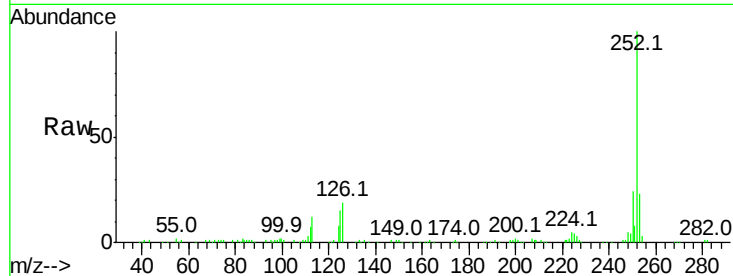
Tgt Ion:	252	Resp:	206342
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	13.6	13.1	19.7



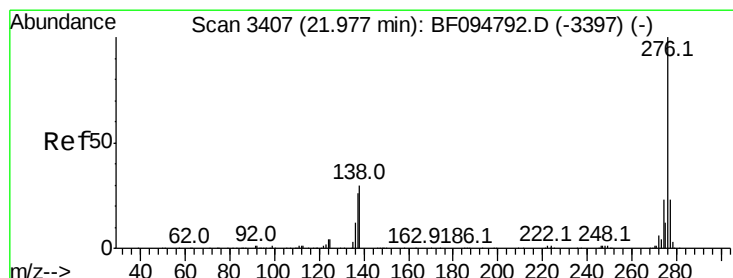
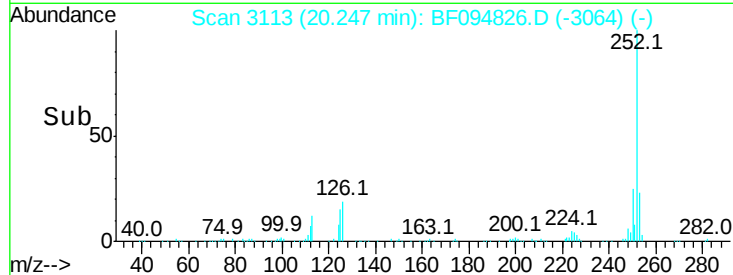
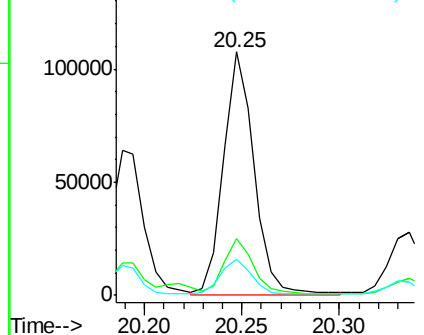


#89
Benzo(a)pyrene
Concen: 13.35 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

Tot Ion:	252	Resp:	116134
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	14.8	11.0	16.4

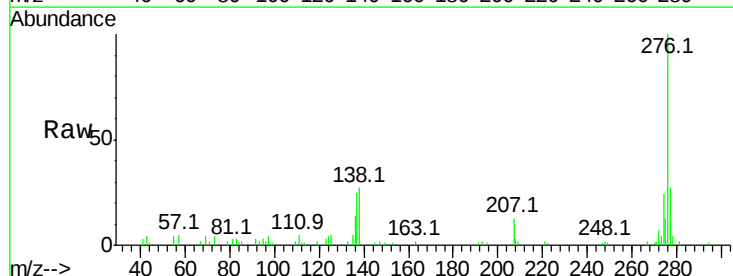


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.45 ng
RT: 21.97 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BF094826.D
Acq: 3 May 2017 9:56

Tgt Ion:	276	Resp:	59565
Ion	Ratio	Lower	Upper
276	100		
277	27.3	18.6	28.0
138	27.0	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

