

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094827.D
 Acq On : 3 May 2017 10:28
 Operator : SJ/MA
 Sample : I2921-01 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

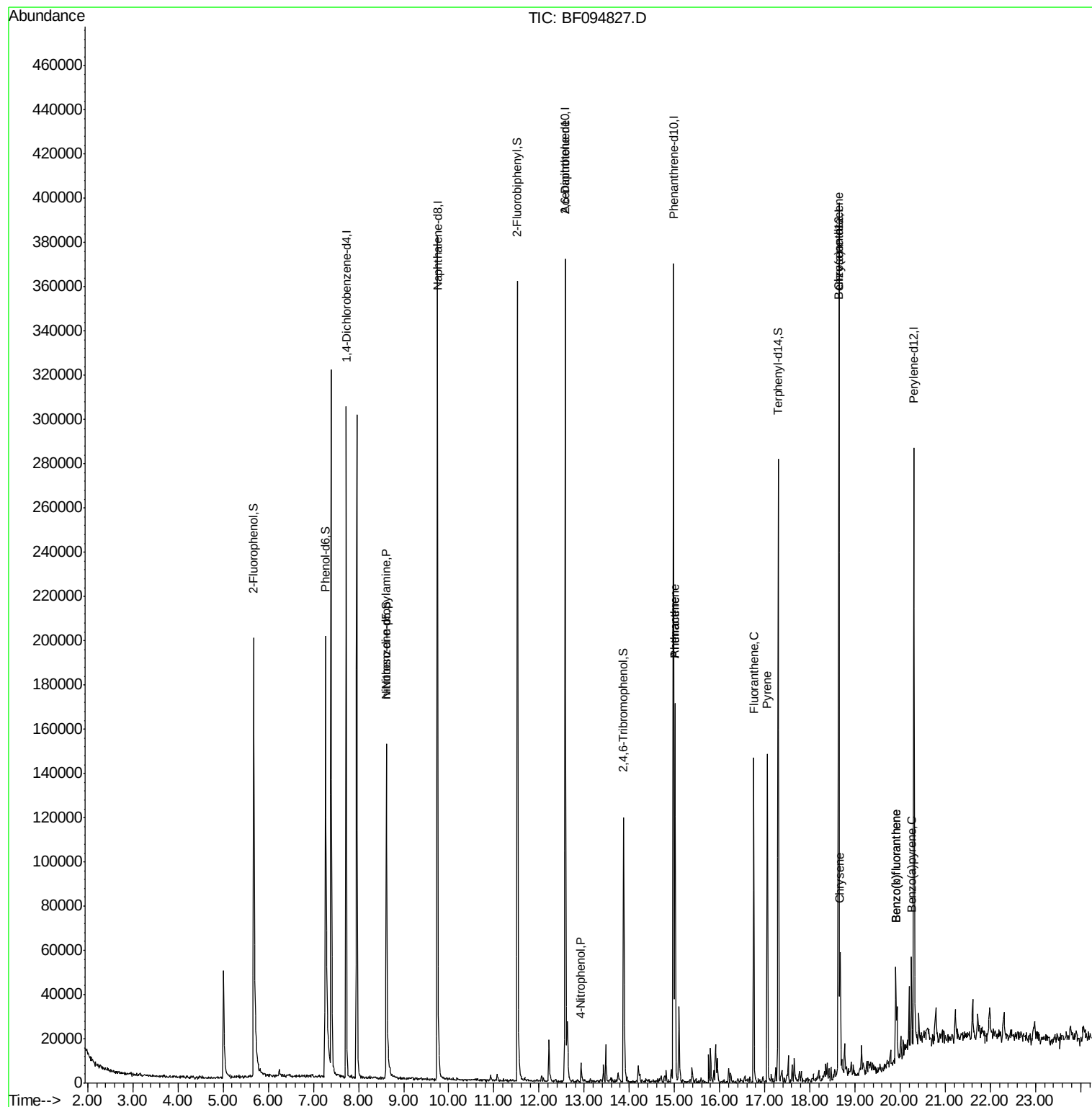
Quant Time: May 03 11:57:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

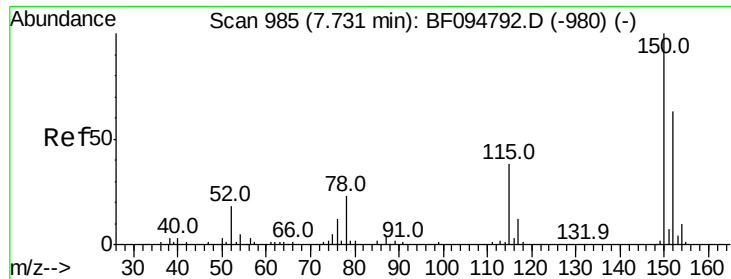
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	62575	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	257056	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	111845	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	178079	20.00	ng	0.00
75) Chrysene-d12	18.64	240	148406	20.00	ng	-0.01
86) Perylene-d12	20.31	264	111911	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	124203	33.09	ng	0.00
7) Phenol-d6	7.27	99	154969	34.41	ng	-0.01
23) Nitrobenzene-d5	8.62	82	85260	20.92	ng	-0.02
41) 2,4,6-Tribromophenol	13.88	330	23354	25.50	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	174869	22.50	ng	-0.01
78) Terphenyl-d14	17.30	244	103647	15.38	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	10237	3.36	ng	# 77
50) 2,6-Dinitrotoluene	12.58	165	11419	6.10	ng	# 31
55) 4-Nitrophenol	12.93	139	2595	2.15	ng	# 25
70) Phenanthrene	15.01	178	86614	8.47	ng	96
71) Anthracene	15.01	178	86614	8.29	ng	97
74) Fluoranthene	16.75	202	75976	7.24	ng	97
77) Pyrene	17.06	202	69594	6.27	ng	97
80) Benzo(a)anthracene	18.63	228	26622	3.08	ng	95
82) Chrysene	18.67	228	26200	3.14	ng	94
87) Benzo(b)fluoranthene	19.91	252	35074	5.07	ng	95
88) Benzo(k)fluoranthene	19.91	252	35074	5.26	ng	96
89) Benzo(a)pyrene	20.25	252	18995	2.98	ng	96

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

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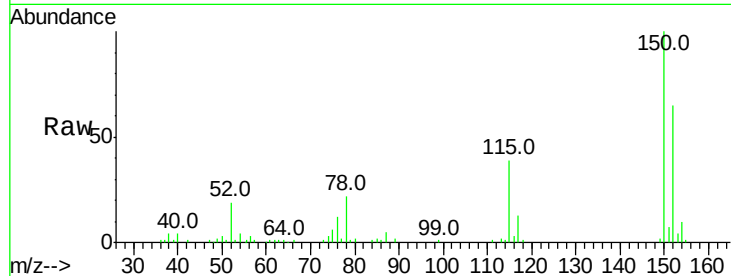




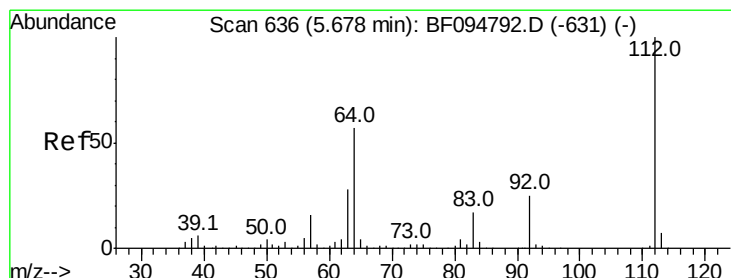
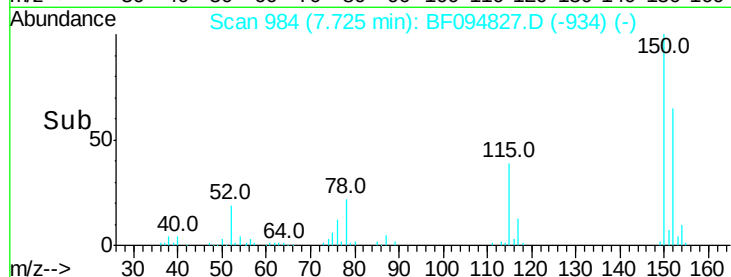
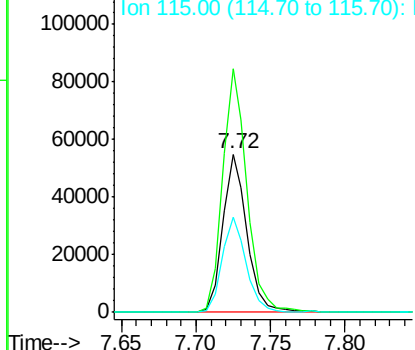
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tot Ion:152 Resp: 62575
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 59.9 52.2 78.2



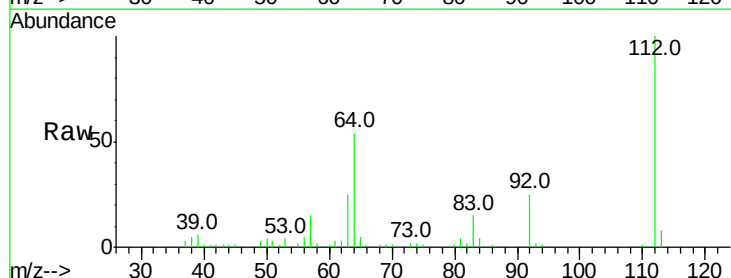
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



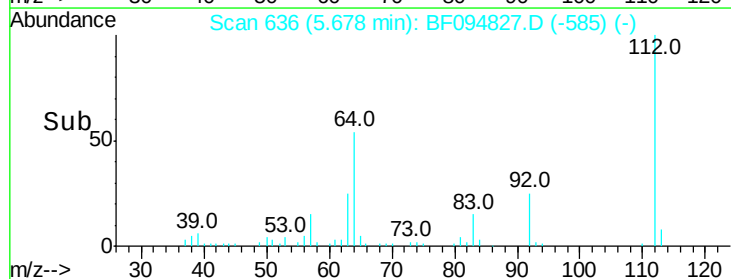
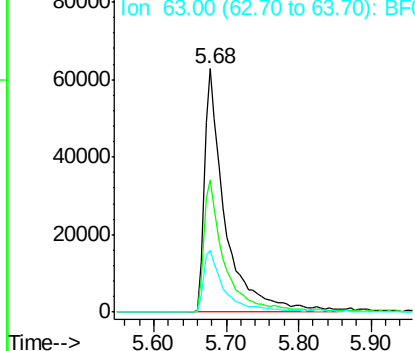
#5

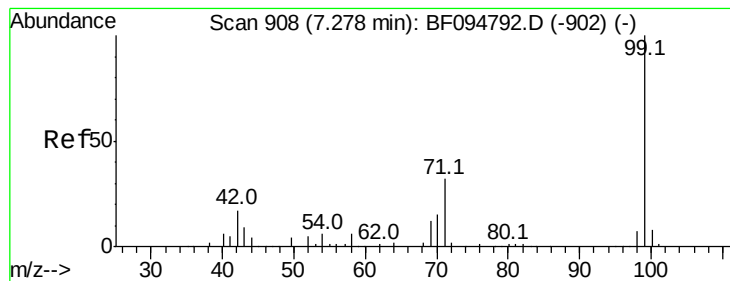
2-Fluorophenol
Concen: 33.09 ng
RT: 5.68 min Scan# 636
Delta R.T. -0.00 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tgt Ion:112 Resp: 124203
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 25.4 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: 34.41 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF094827.D

Acq: 3 May 2017 10:28

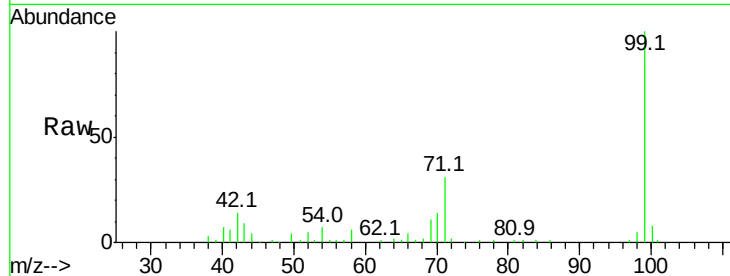
Tot Ion: 99 Resp: 154969

Ion Ratio Lower Upper

99 100

42 14.0 13.5 20.3

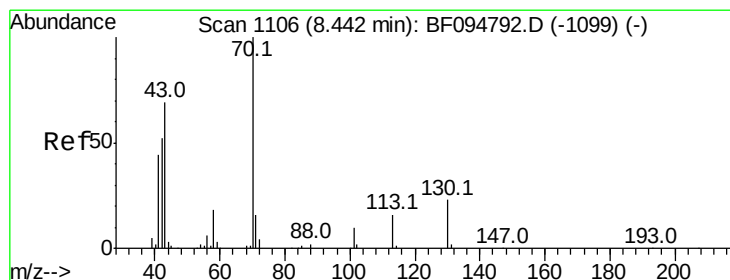
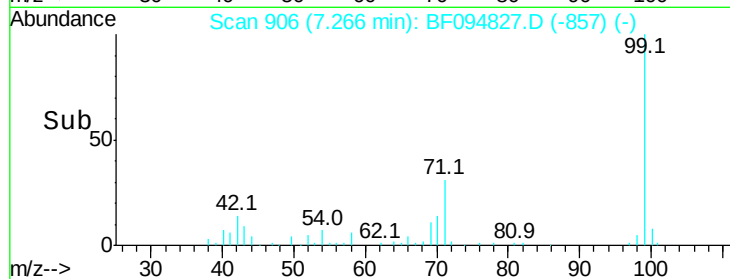
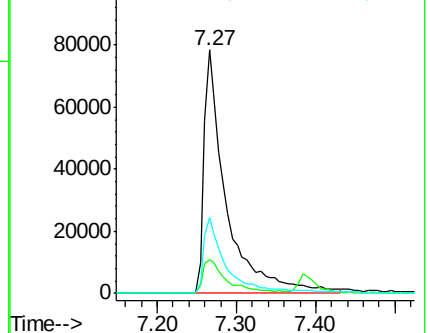
71 31.2 24.5 36.7



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: 3.36 ng

RT: 8.62 min Scan# 1136

Delta R.T. 0.18 min

Lab File: BF094827.D

Acq: 3 May 2017 10:28

Tgt Ion: 70 Resp: 10237

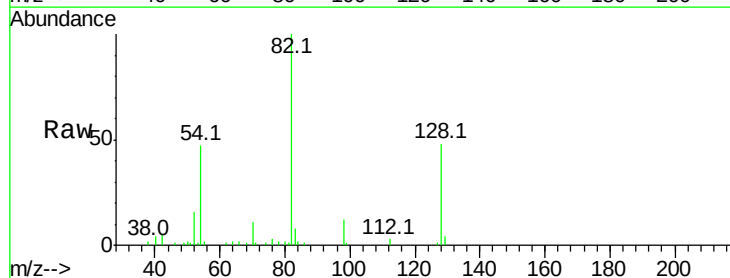
Ion Ratio Lower Upper

70 100

42 47.6 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

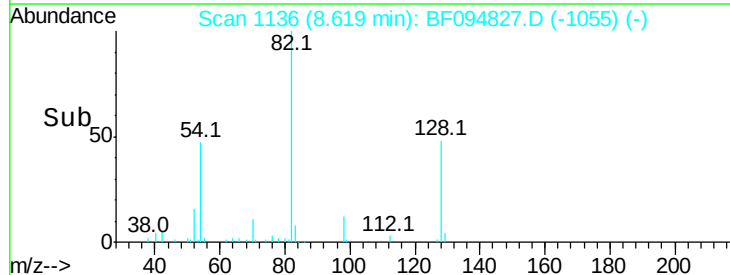
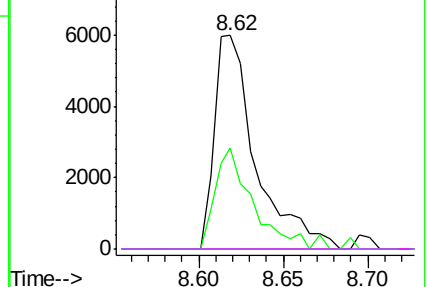


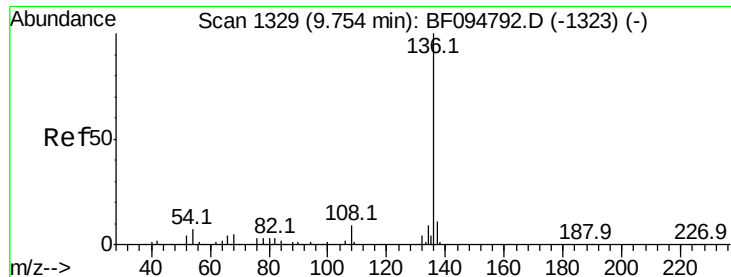
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

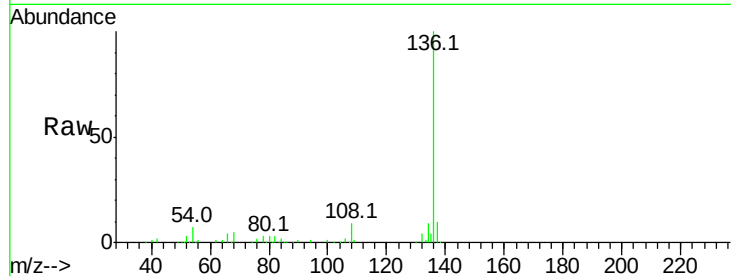
Ion 130.00 (129.70 to 130.70): BF0



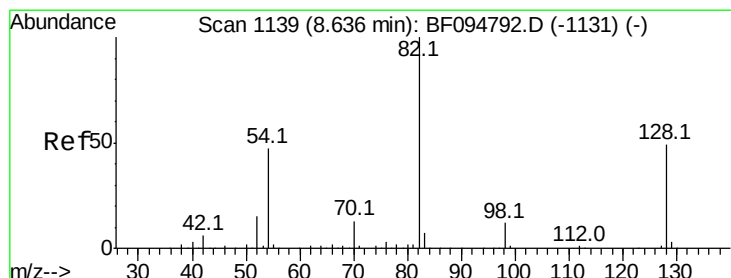
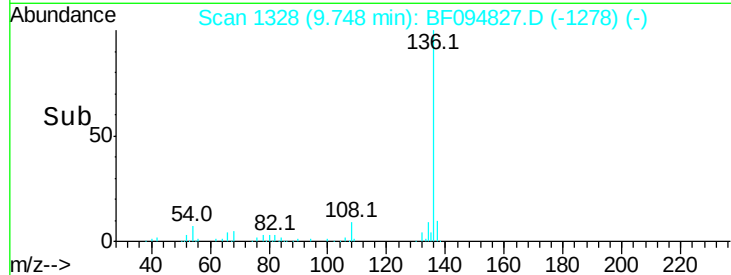
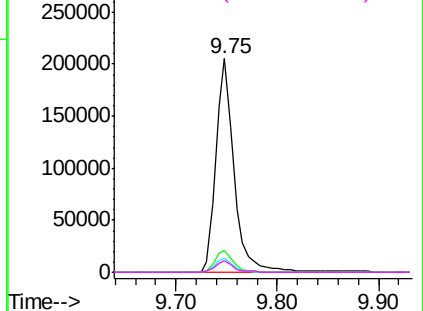


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tot Ion:136	Resp:	257056
Ion Ratio	Lower	Upper
136	100	
137	10.3	8.5 12.7
54	6.5	4.9 7.3
68	5.2	4.1 6.1

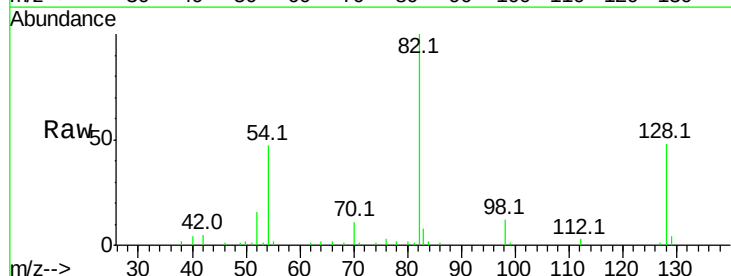


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

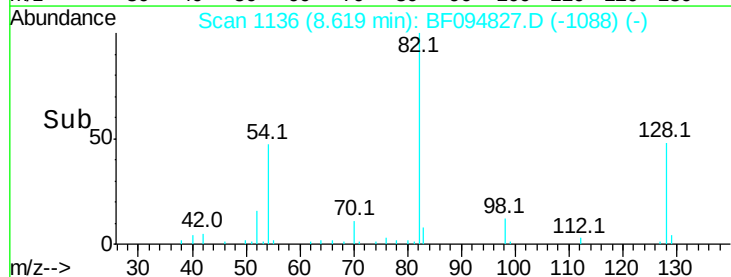
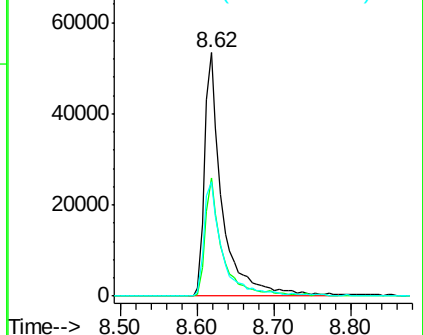


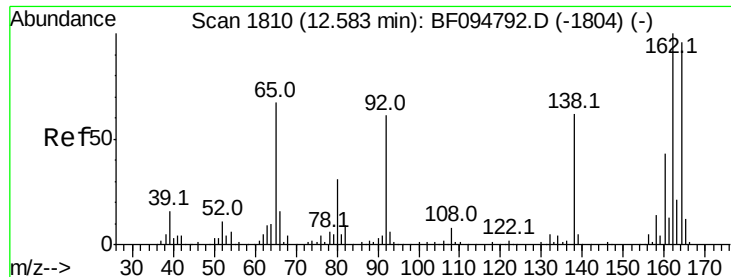
#23
Nitrobenzene-d5
Concen: 20.92 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tgt Ion: 82	Resp:	85260
Ion Ratio	Lower	Upper
82	100	
128	48.3	34.0 51.0
54	47.1	42.2 63.2



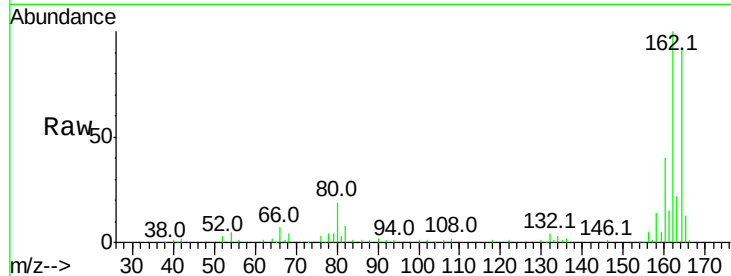
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



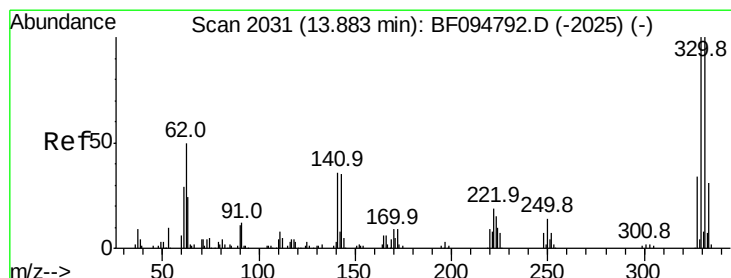
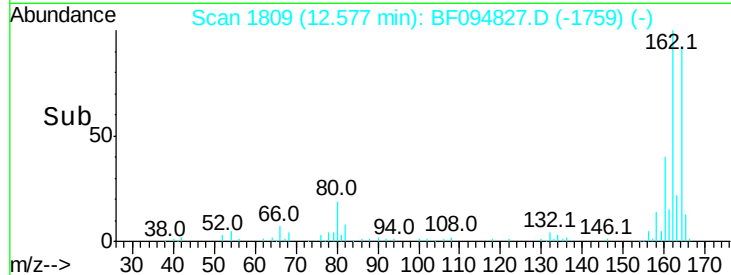
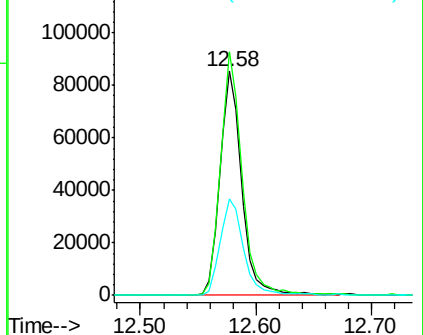


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF094827.D
 Acq: 3 May 2017 10:28

Tot Ion	Ratio	Lower	Upper
164	100		
162	108.6	82.6	123.8
160	43.0	36.2	54.2

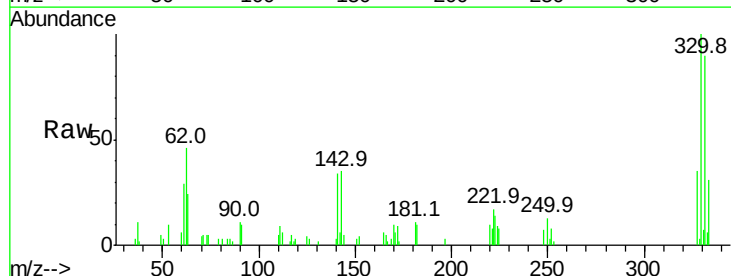


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

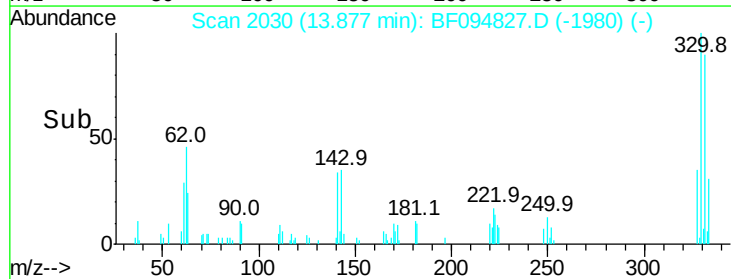
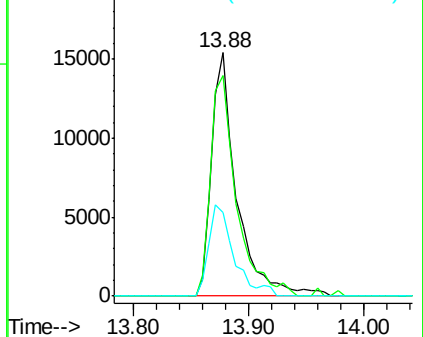


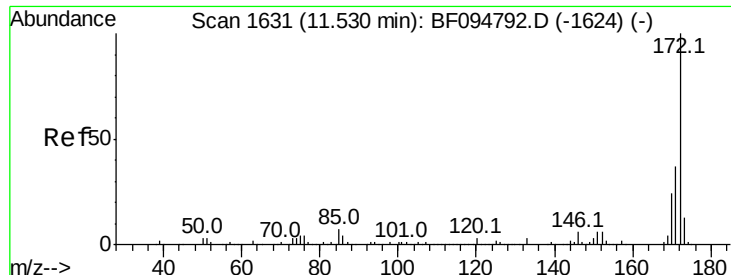
#41
 2,4,6-Tribromophenol
 Concen: 25.50 ng
 RT: 13.88 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF094827.D
 Acq: 3 May 2017 10:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.3	76.6	115.0
141	37.9	31.4	47.2



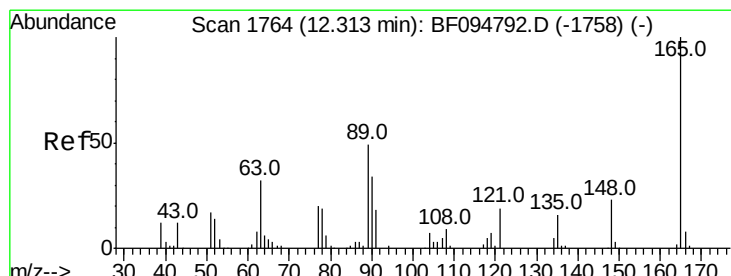
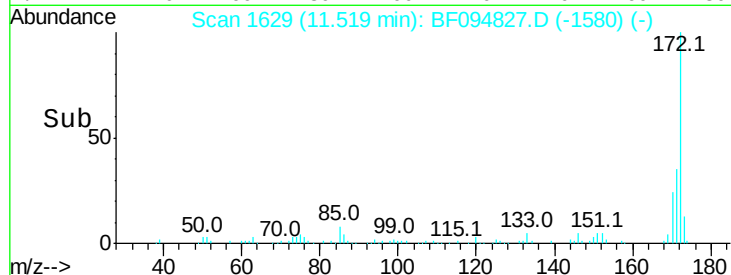
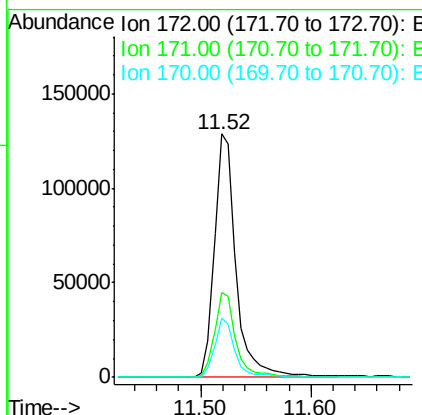
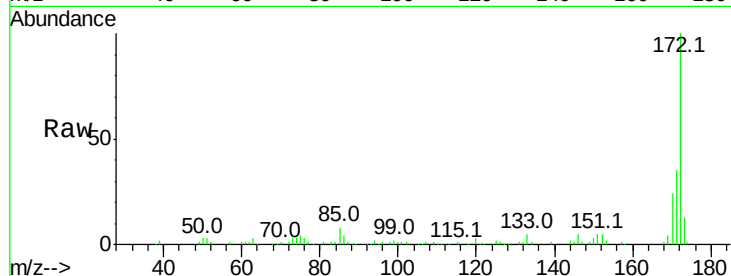
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





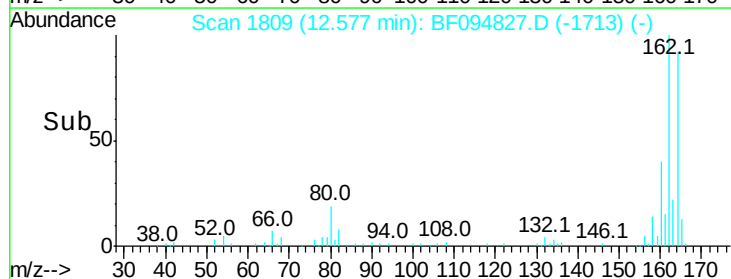
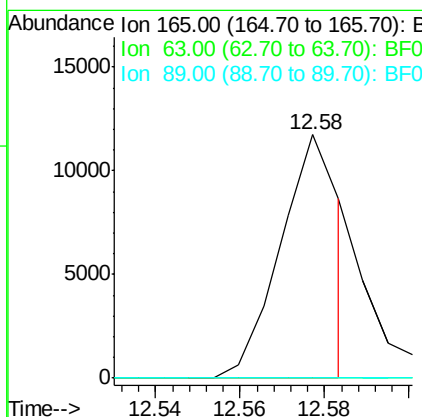
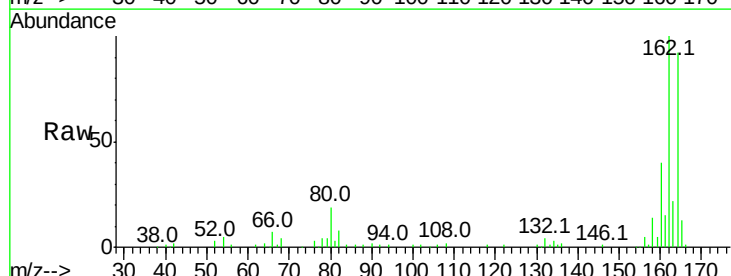
#44
 2-Fluorobiphenyl
 Concen: 22.50 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094827.D
 Acq: 3 May 2017 10:28

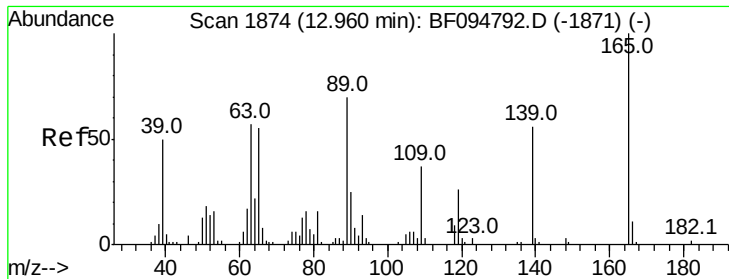
Tot Ion:	172	Resp:	174869
Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	24.3	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 6.10 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. 0.26 min
 Lab File: BF094827.D
 Acq: 3 May 2017 10:28

Tgt Ion:	165	Resp:	11419
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#





#55

4-Nitrophenol

Concen: 2.15 ng

RT: 12.93 min Scan# 1869

Delta R.T. -0.03 min

Lab File: BF094827.D

Acq: 3 May 2017 10:28

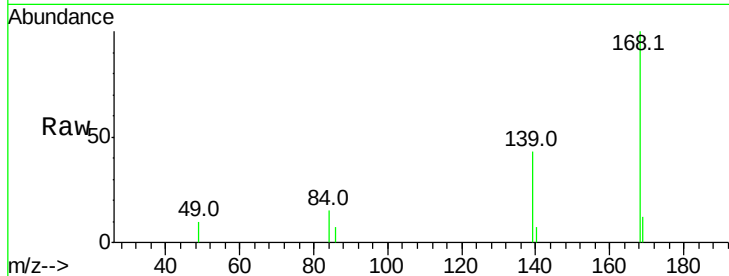
Tot Ion:139 Resp: 2595

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

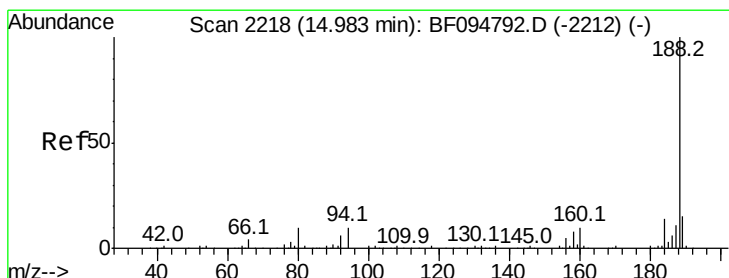
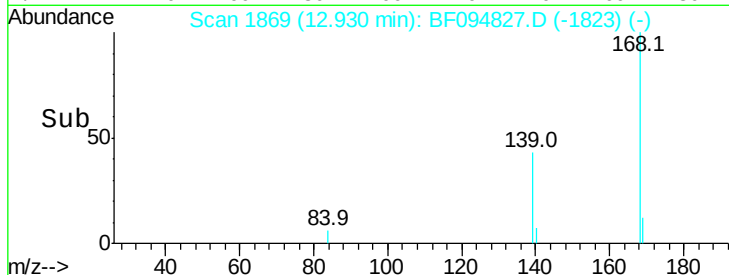
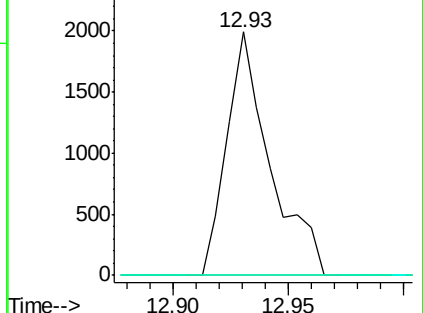
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.98 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF094827.D

Acq: 3 May 2017 10:28

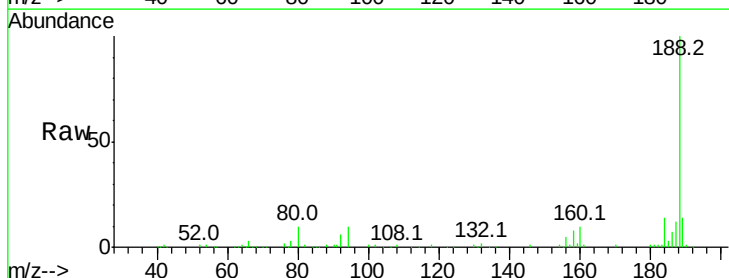
Tgt Ion:188 Resp: 178079

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.2

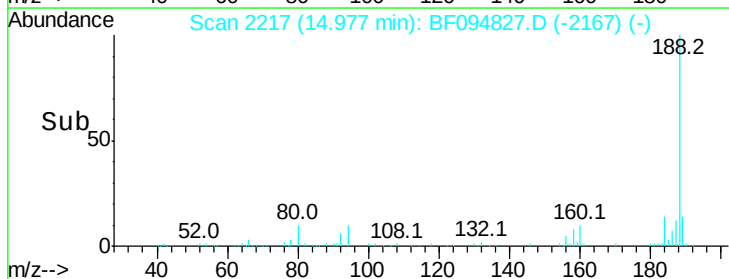
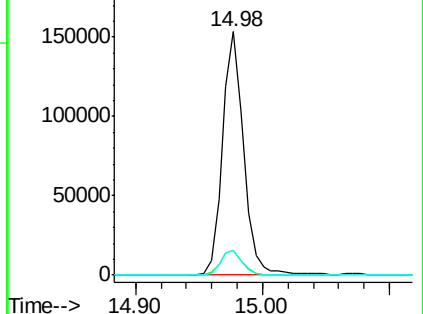
80 10.3 10.2 15.2

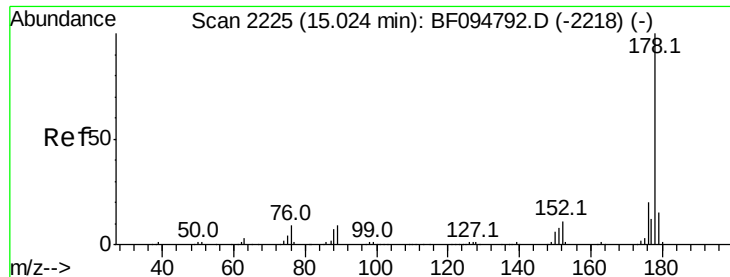


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

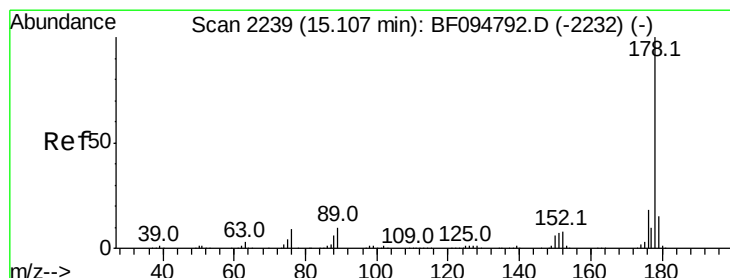
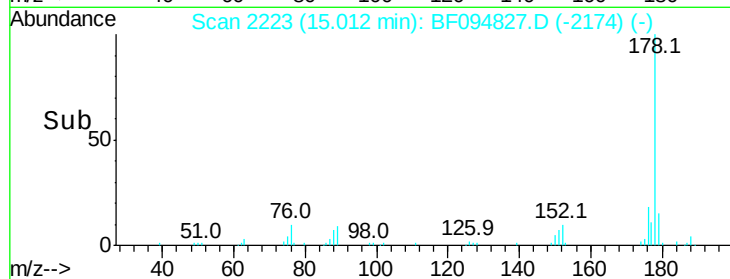
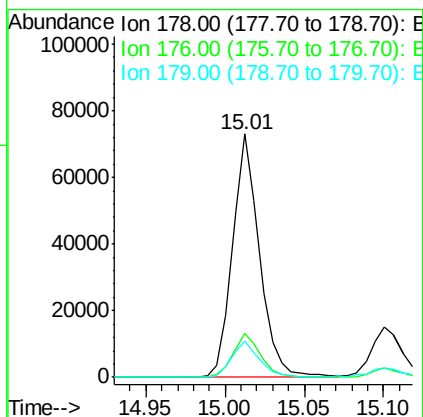
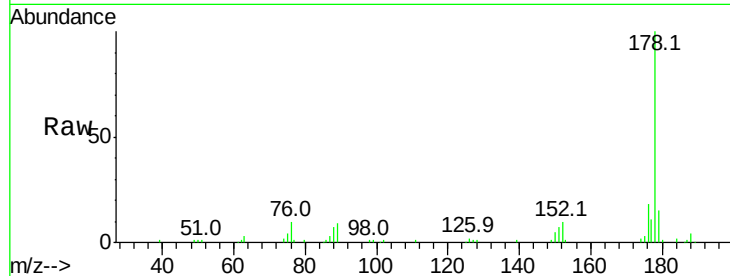
Ion 80.00 (79.70 to 80.70): BF0





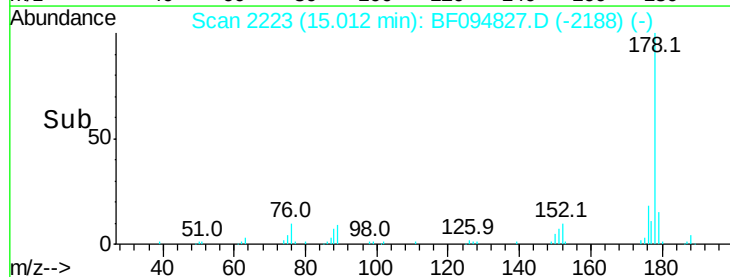
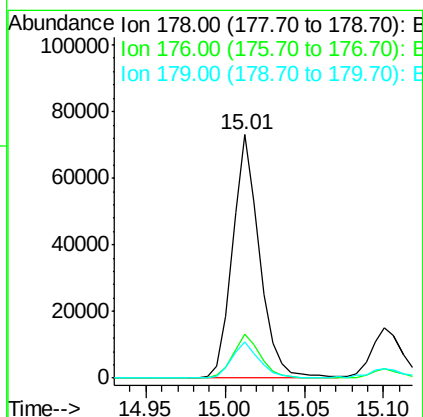
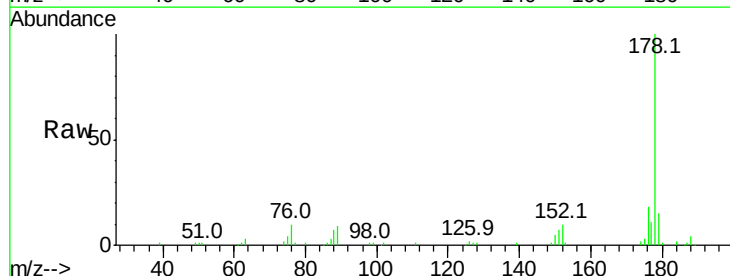
#70
Phenanthrene
Concen: 8.47 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

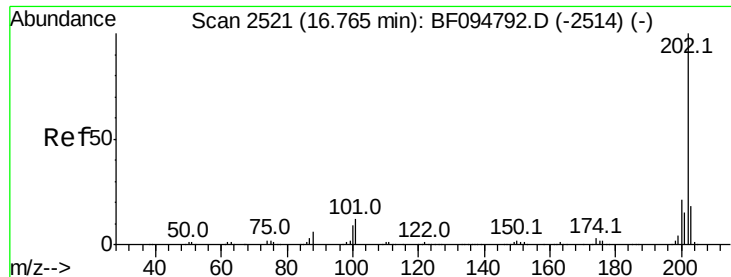
Tot Ion:178 Resp: 86614
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 15.1 12.6 19.0



#71
Anthracene
Concen: 8.29 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.09 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

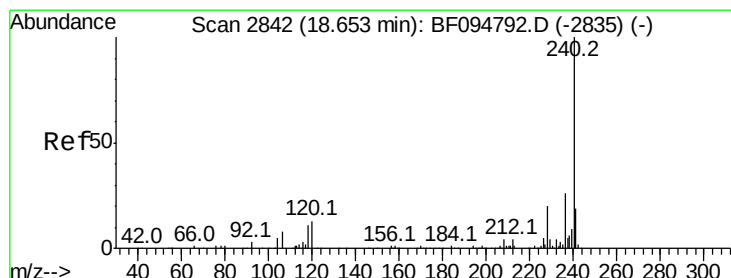
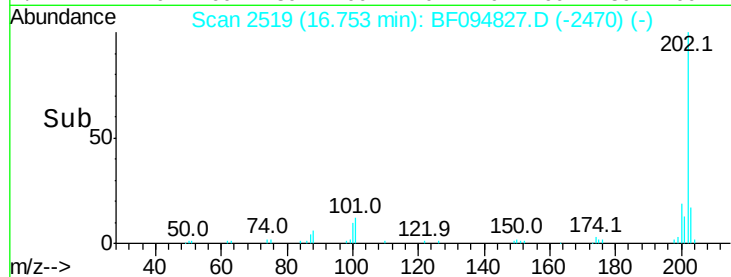
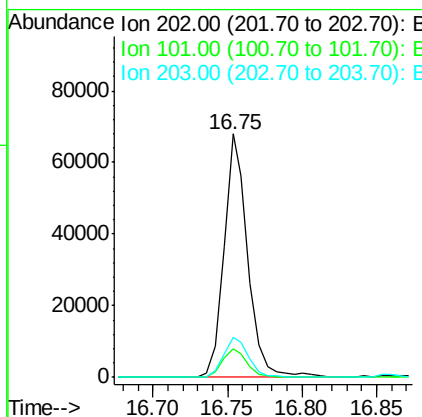
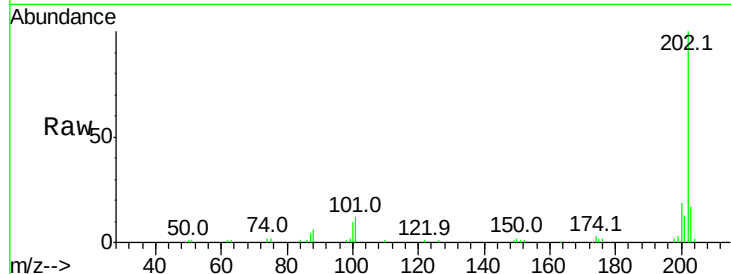
Tgt Ion:178 Resp: 86614
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 15.1 12.7 19.1





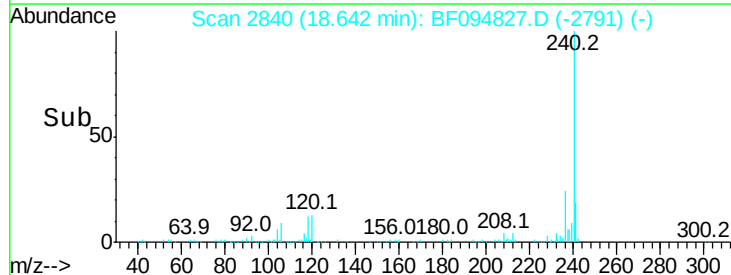
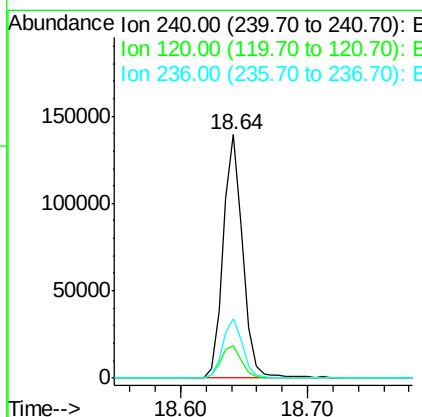
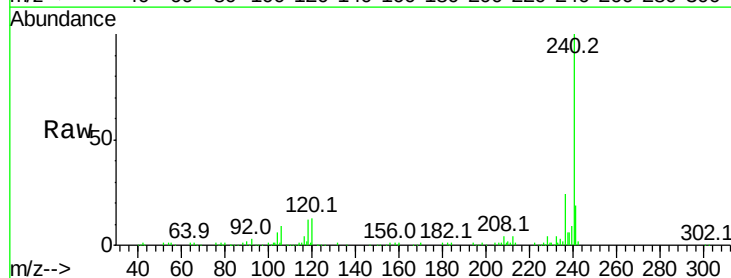
#74
 Fluoranthene
 Concen: 7.24 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094827.D
 Acq: 3 May 2017 10:28

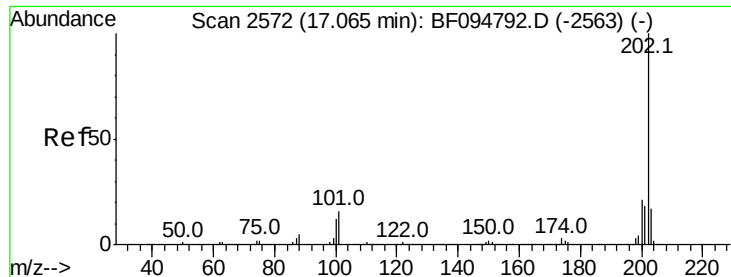
Tot Ion:	202	Resp:	75976
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	16.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094827.D
 Acq: 3 May 2017 10:28

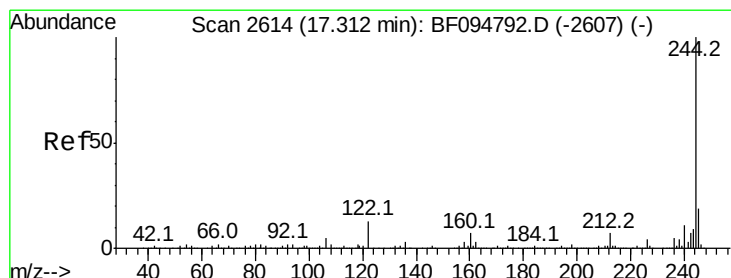
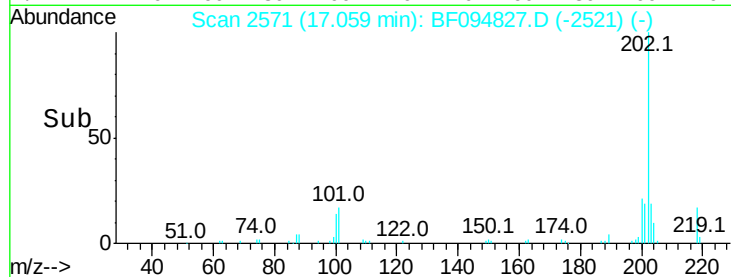
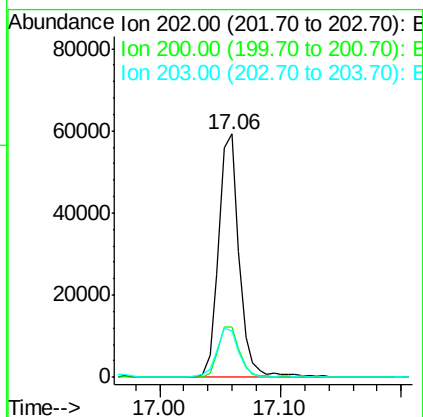
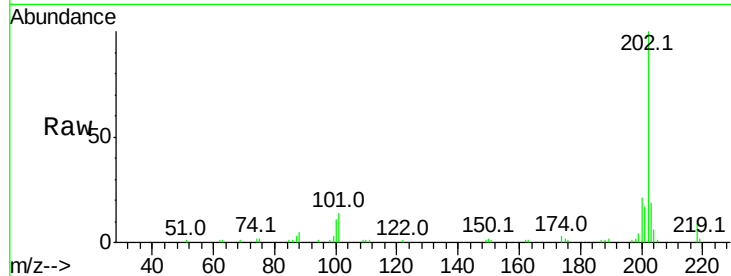
Tgt Ion:	240	Resp:	148406
Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	24.4	20.5	30.7





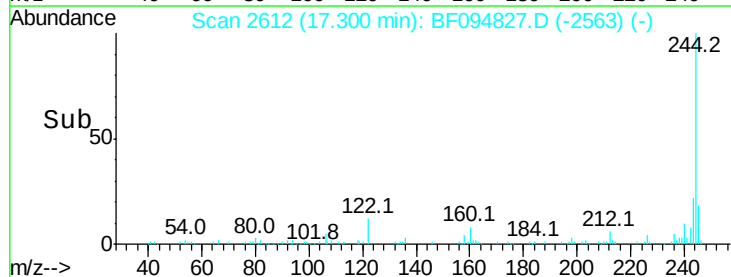
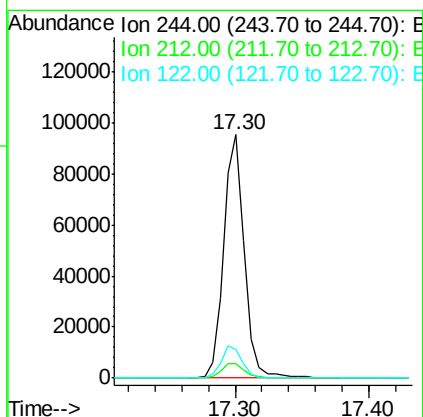
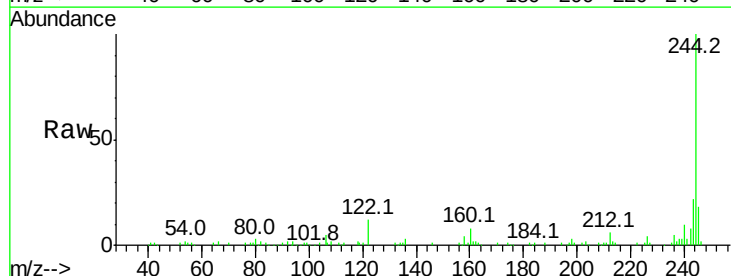
#77
Pvrene
Concen: 6.27 ng
RT: 17.06 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

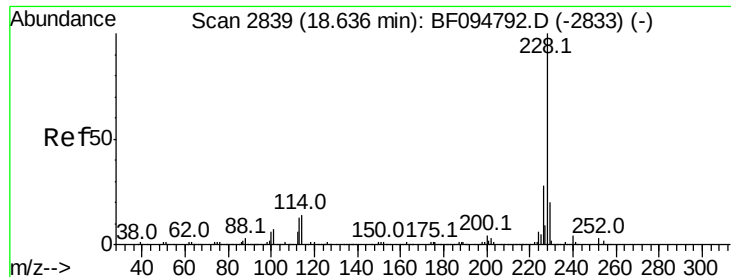
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.3	14.4	21.6



#78
Terphenyl-d14
Concen: 15.38 ng
RT: 17.30 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

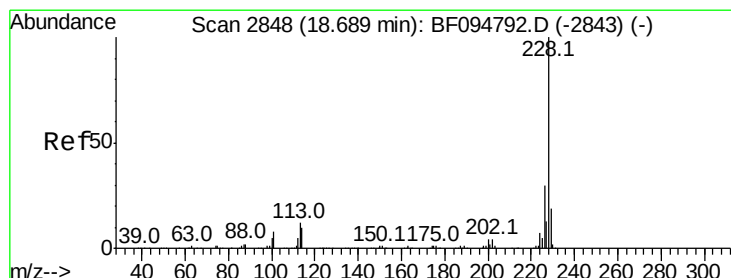
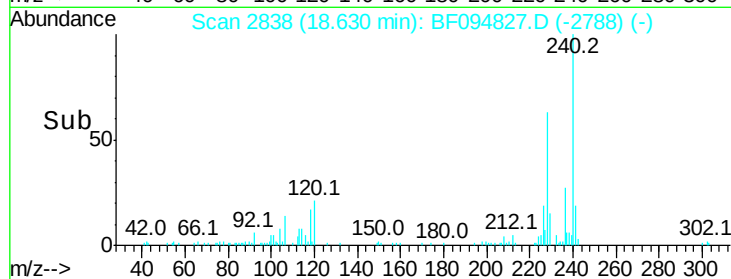
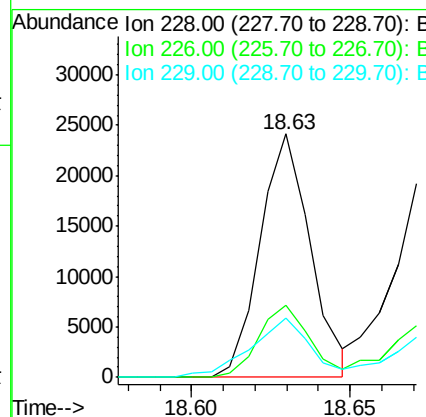
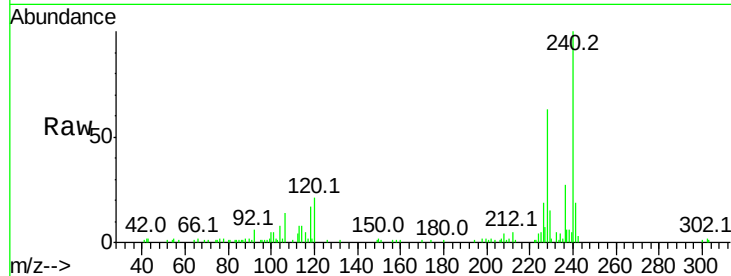
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.0	9.0
122	11.9	10.3	15.5





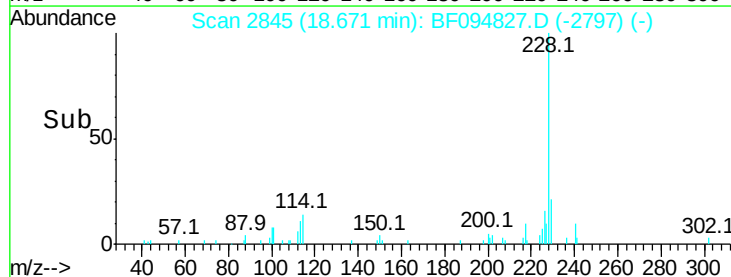
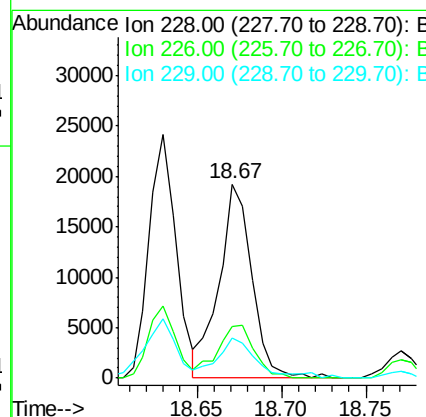
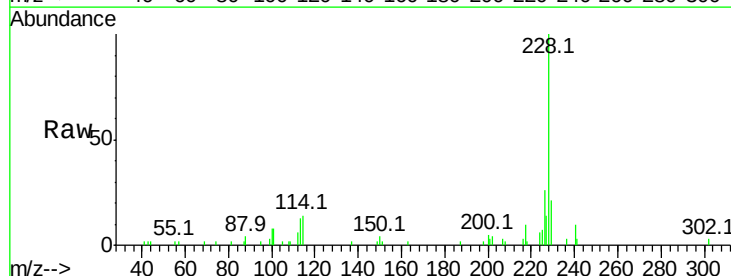
#80
Benzo(a)anthracene
Concen: 3.08 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

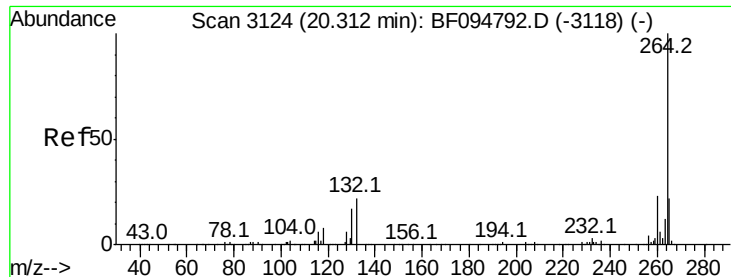
Tot Ion:228 Resp: 26622
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 24.3 16.3 24.5



#82
Chrysene
Concen: 3.14 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

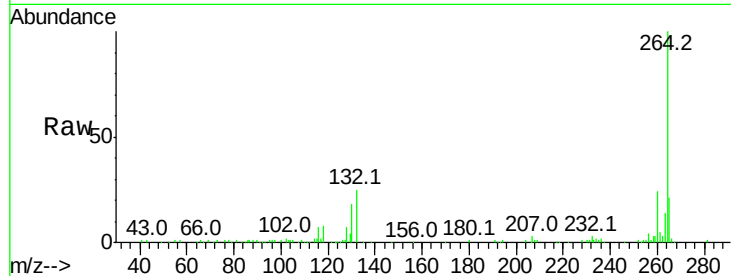
Tgt Ion:228 Resp: 26200
Ion Ratio Lower Upper
228 100
226 26.4 24.9 37.3
229 20.5 15.8 23.6



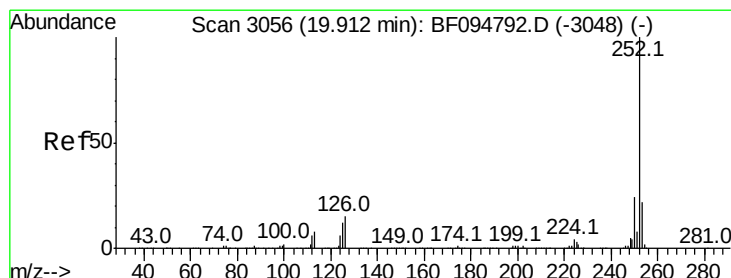
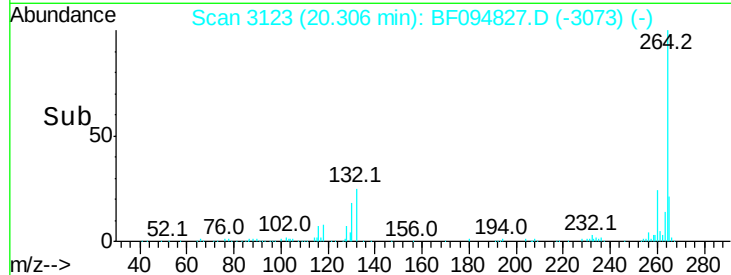
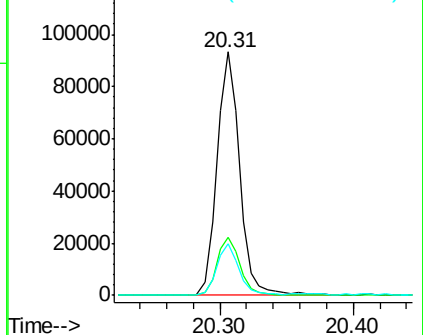


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.1	17.2	25.8

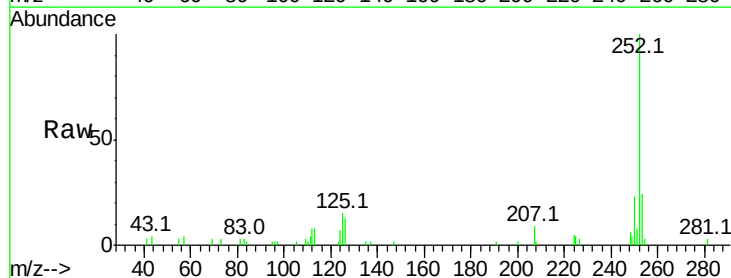


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

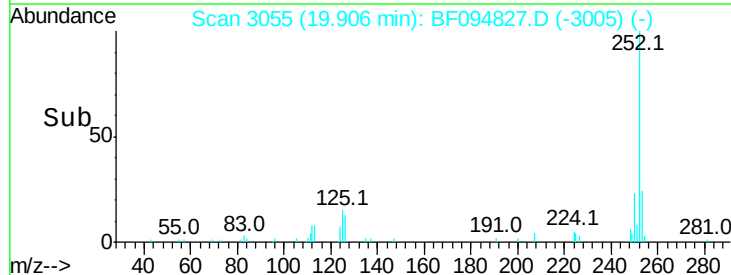
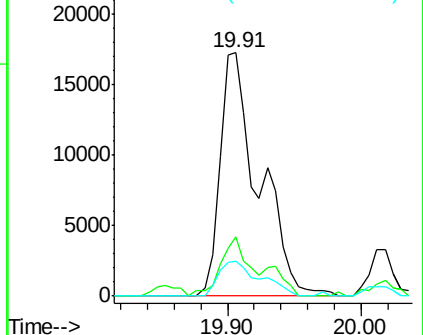


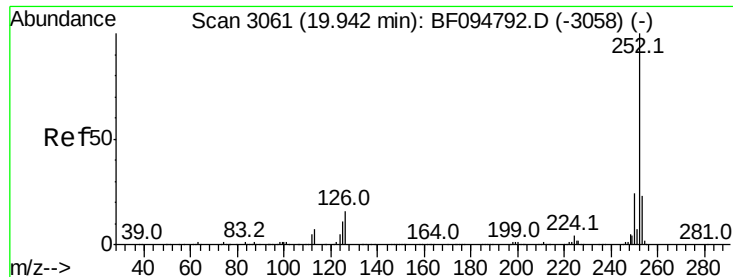
#87
Benzo(b)fluoranthene
Concen: 5.07 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	14.6	9.8	14.8



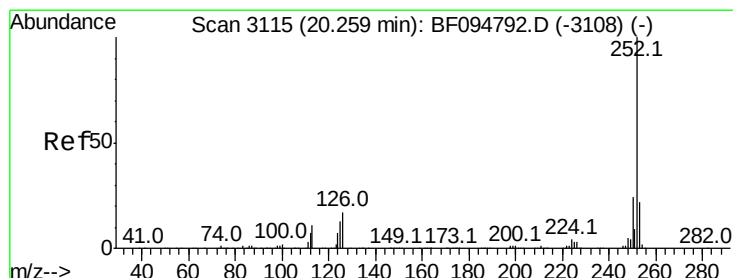
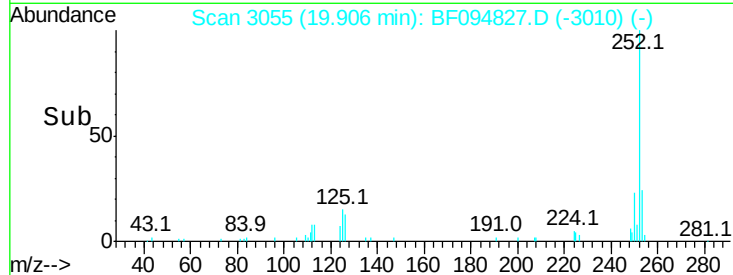
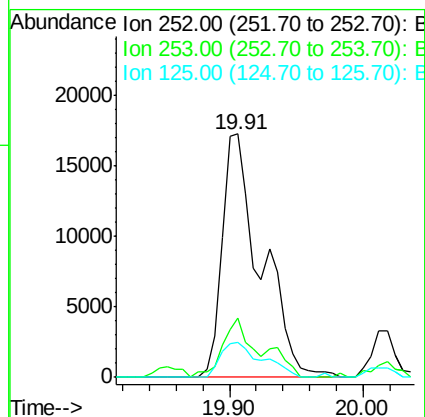
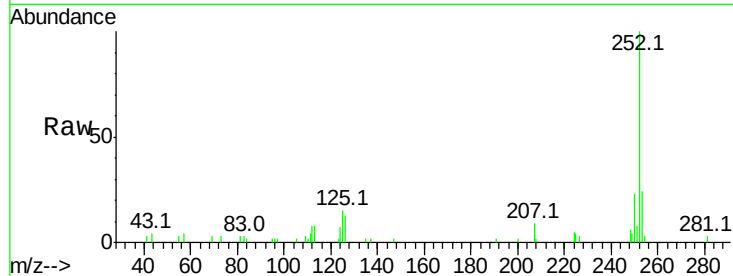
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88
Benzo(k)fluoranthene
Concen: 5.26 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tot Ion:252 Resp: 35074
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 14.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094827.D
Acq: 3 May 2017 10:28

Tgt Ion:252 Resp: 18995
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 15.4 11.0 16.4

