

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094813.D
 Acq On : 3 May 2017 1:44
 Operator : SJ/MA
 Sample : I2925-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

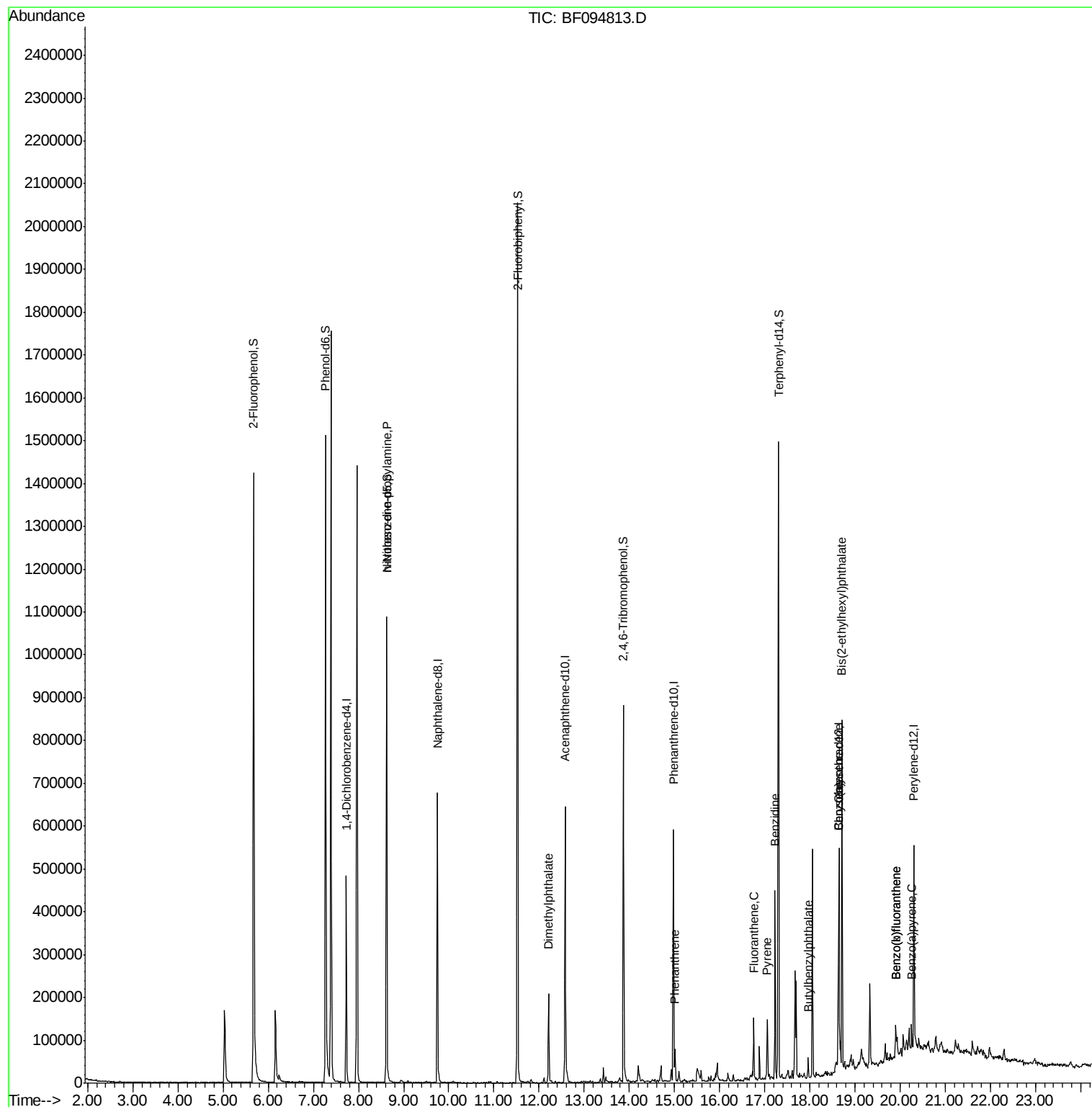
Quant Time: May 03 03:56:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

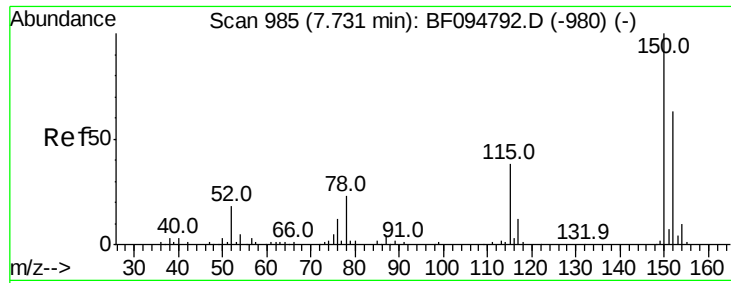
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	101295	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	412615	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	183237	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	283108	20.00	ng	0.00
75) Chrysene-d12	18.64	240	199668	20.00	ng	-0.01
86) Perylene-d12	20.31	264	187912	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	622286	102.42	ng	0.00
7) Phenol-d6	7.27	99	765495	105.01	ng	0.00
23) Nitrobenzene-d5	8.62	82	464013	70.91	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	138481	92.28	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	876713	68.87	ng	0.00
78) Terphenyl-d14	17.31	244	563869	62.20	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	59954	12.16	ng	# 75
49) Dimethylphthalate	12.21	163	123805	8.23	ng	99
70) Phenanthrene	15.01	178	40046	2.46	ng	98
74) Fluoranthene	16.75	202	67805	4.06	ng	97
76) Benzidine	17.23	184	967	6.74	ng	# 1
77) Pyrene	17.06	202	62196	4.17	ng	# 96
79) Butylbenzylphthalate	17.97	149	14092	2.03	ng	91
80) Benzo(a)anthracene	18.63	228	30519	2.63	ng	97
82) Chrysene	18.63	228	30519	2.72	ng	97
83) Bis(2-ethylhexyl)phthalate	18.71	149	270598	27.34	ng	# 98
87) Benzo(b)fluoranthene	19.91	252	52988	4.56	ng	# 93
88) Benzo(k)fluoranthene	19.91	252	52988	4.73	ng	97
89) Benzo(a)pyrene	20.25	252	24790	2.31	ng	94

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
Data File : BF094813.D
Acq On : 3 May 2017 1:44
Operator : SJ/MA
Sample : I2925-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 03 03:56:17 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

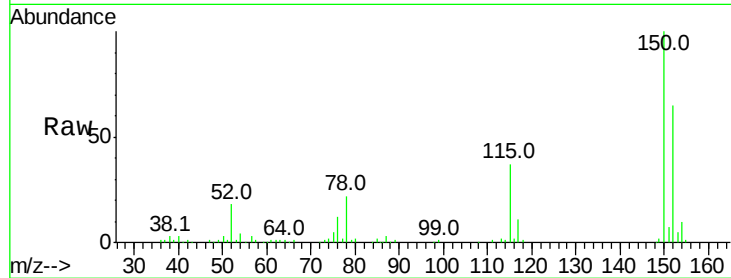




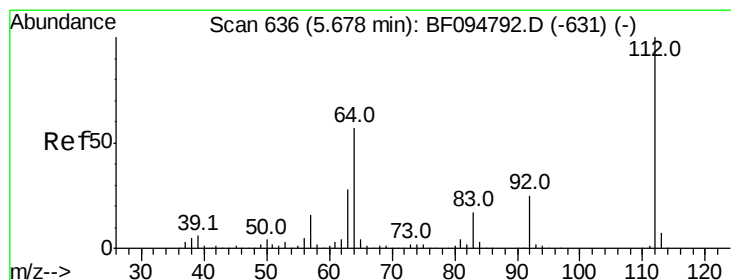
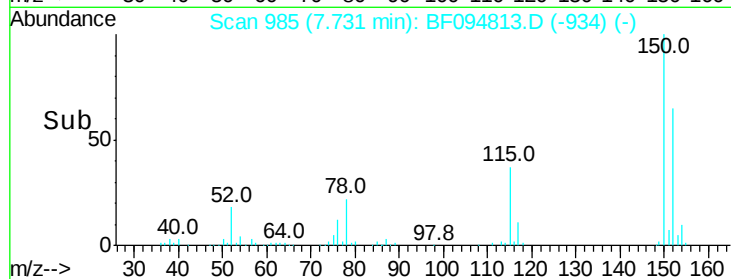
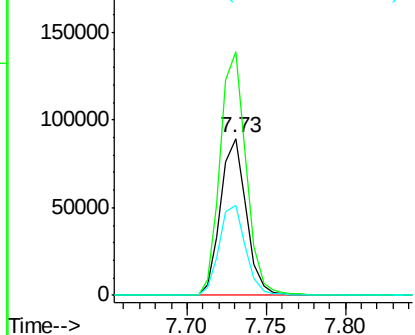
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.73 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	56.9	52.2	78.2



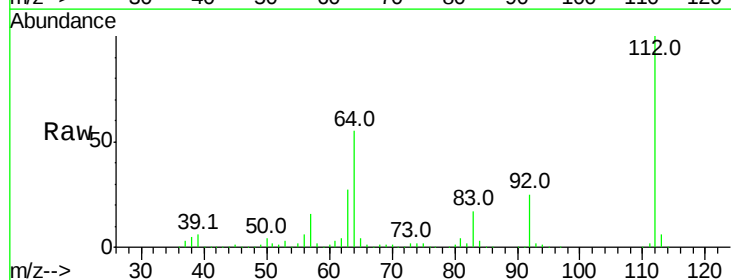
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



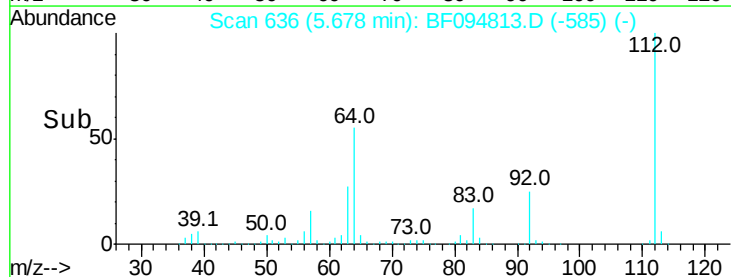
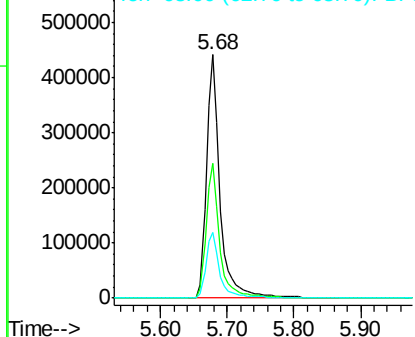
#5

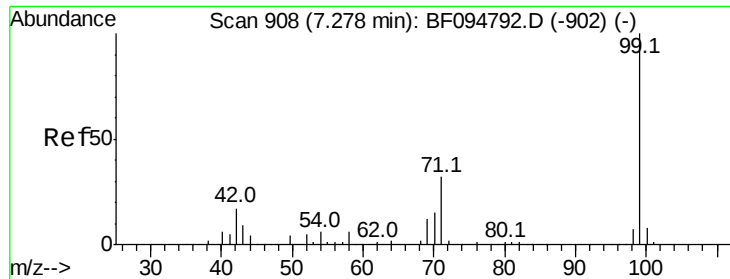
2-Fluorophenol
Concen: 102.42 ng
RT: 5.68 min Scan# 636
Delta R.T. -0.00 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	27.0	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: 105.01 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

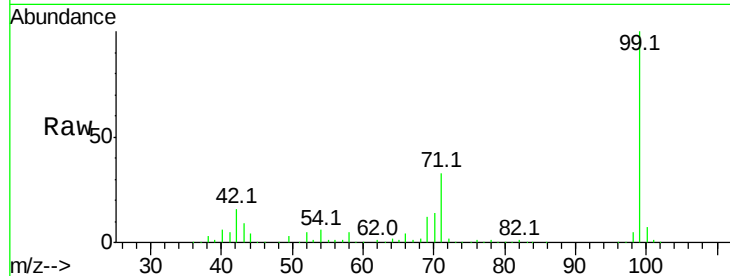
Tot Ion: 99 Resp: 765495

Ion Ratio Lower Upper

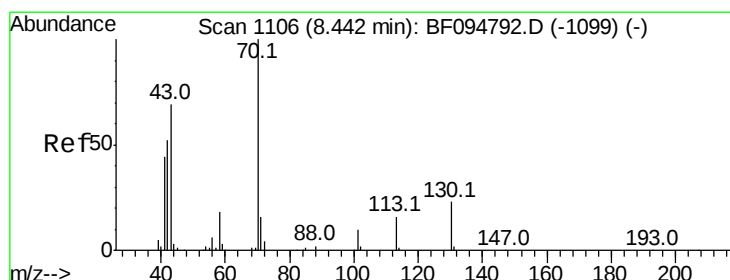
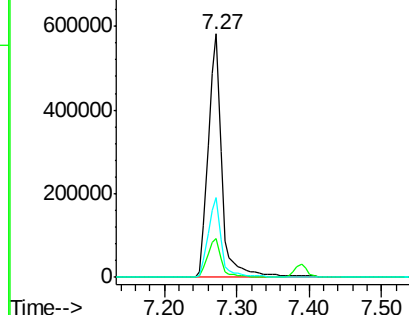
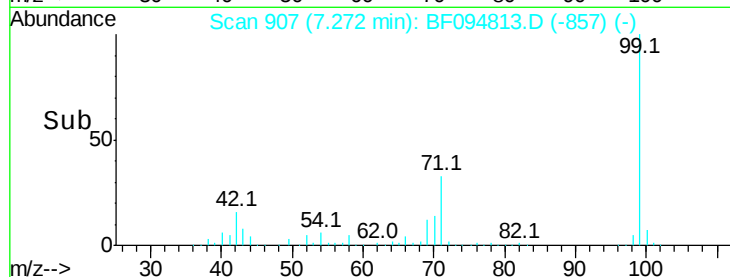
99 100

42 16.1 13.5 20.3

71 32.5 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: 12.16 ng

RT: 8.62 min Scan# 1137

Delta R.T. 0.18 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

Tgt Ion: 70 Resp: 59954

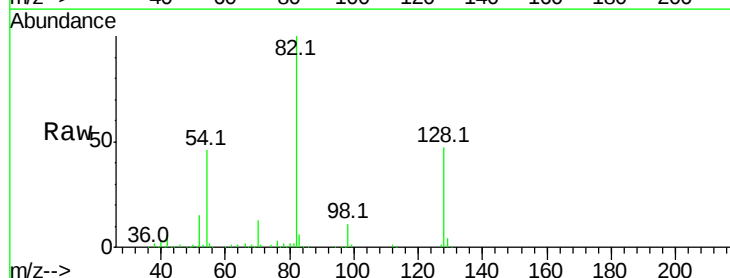
Ion Ratio Lower Upper

70 100

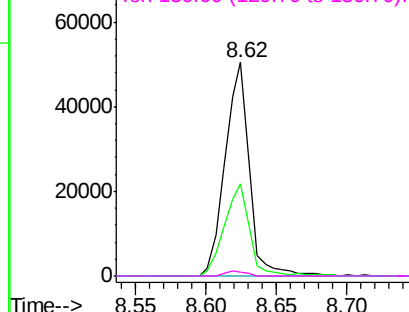
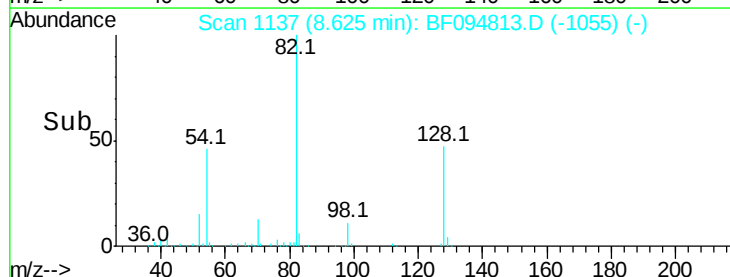
42 43.2 47.2 70.8#

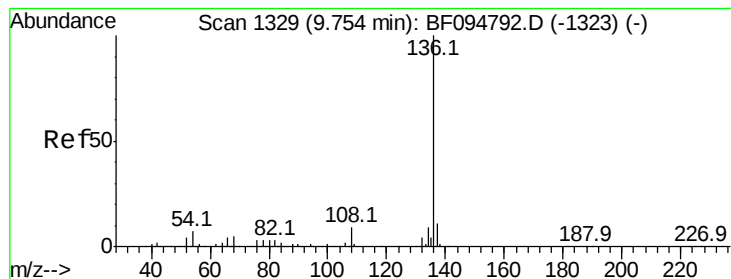
101 0.0 7.2 10.8#

130 2.0 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: BF094813.D

Acq: 3 May 2017 1:44

Tot Ion:136 Resp: 412615

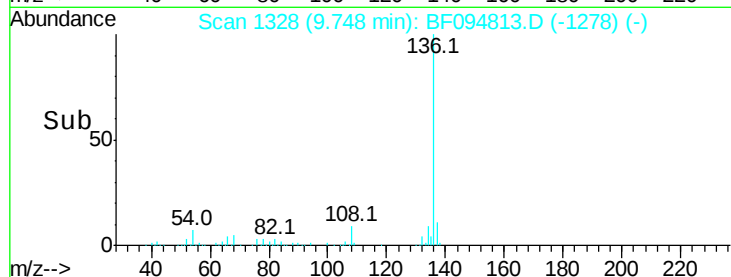
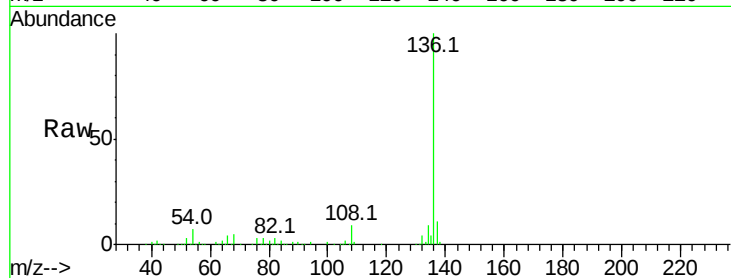
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 5.4 4.1 6.1

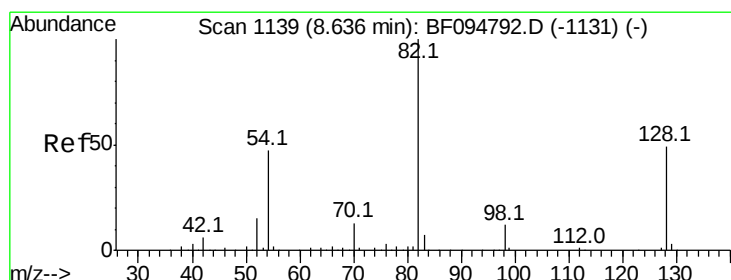
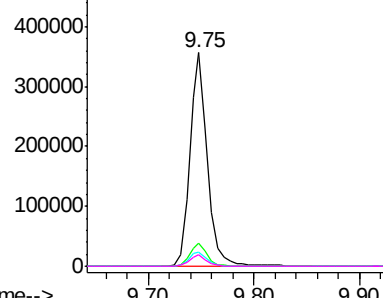


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.91 ng

RT: 8.62 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

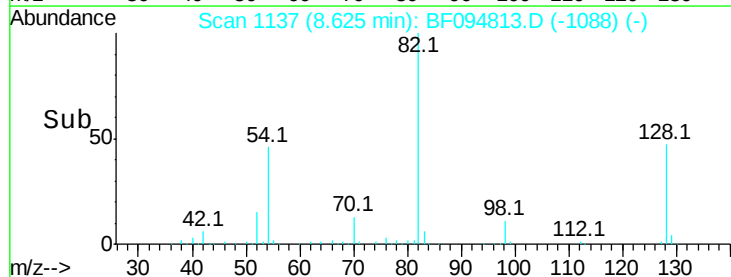
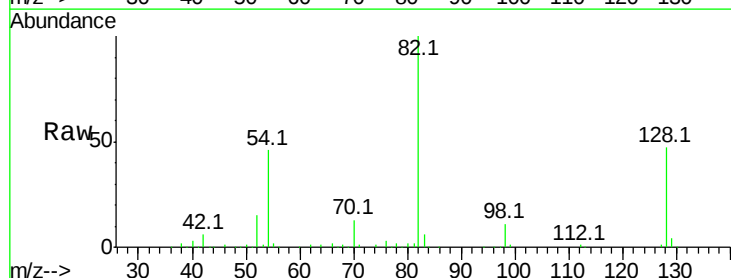
Tgt Ion: 82 Resp: 464013

Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

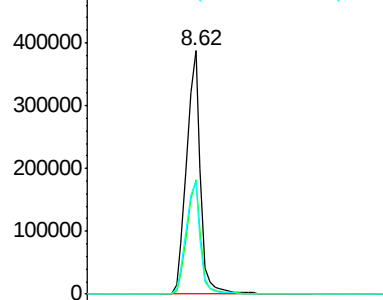
54 46.5 42.2 63.2

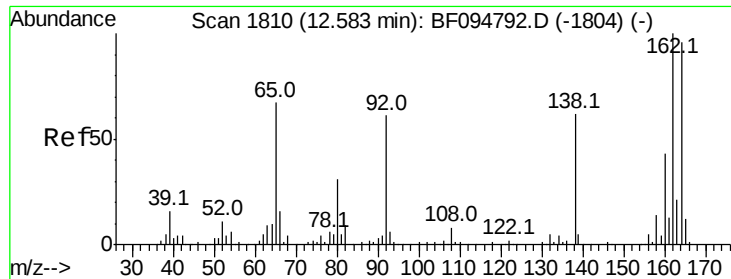


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

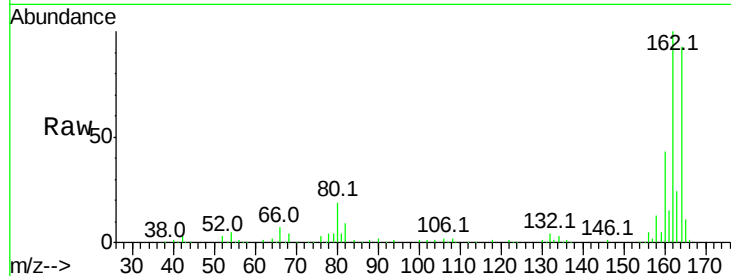
Ion 54.00 (53.70 to 54.70): BF0



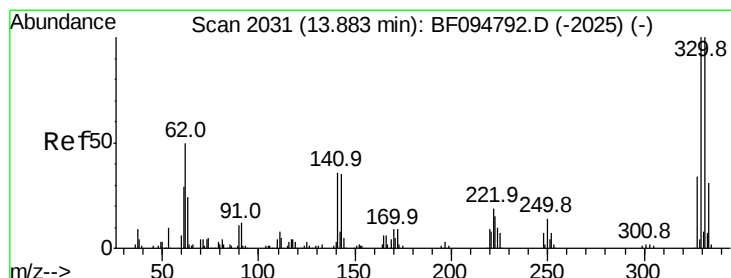
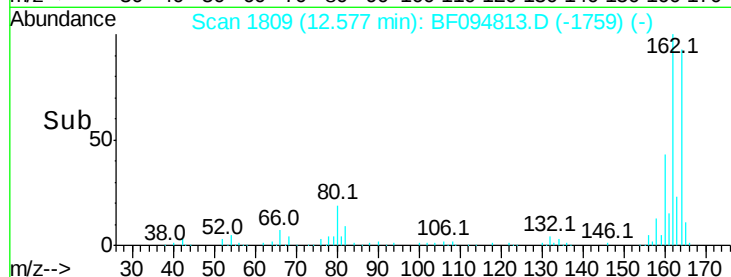
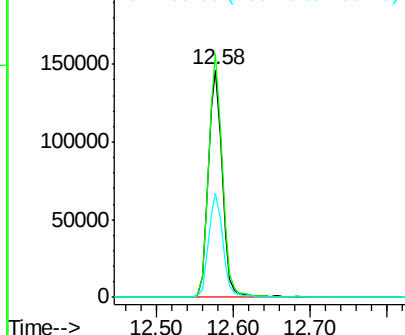


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tot Ion:164 Resp: 183237
Ion Ratio Lower Upper
164 100
162 107.0 82.6 123.8
160 45.5 36.2 54.2

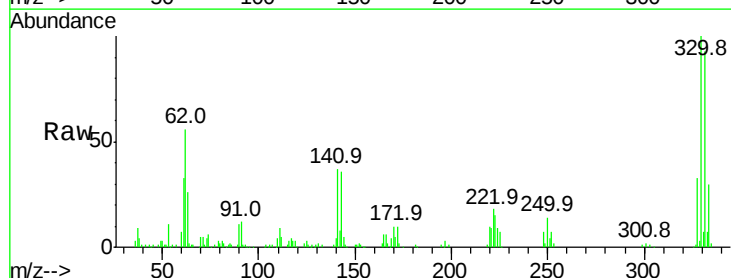


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

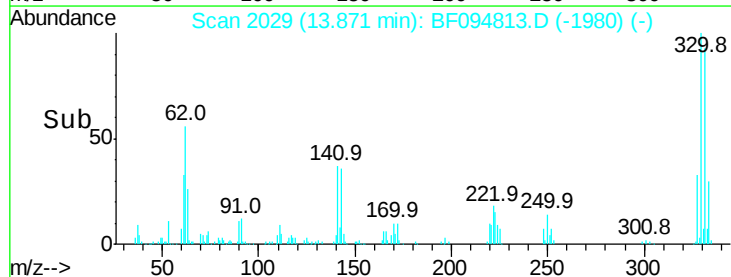
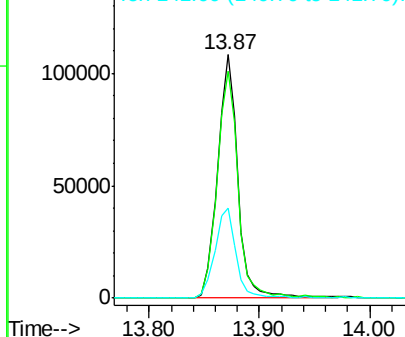


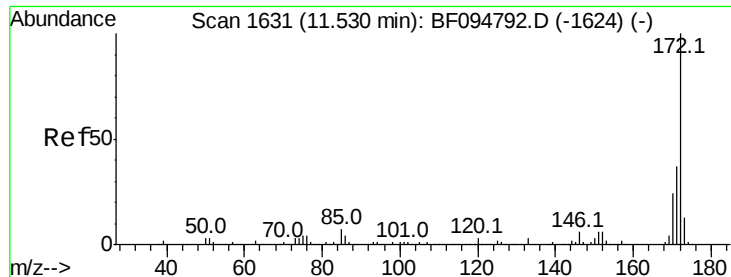
#41
2,4,6-Tribromophenol
Concen: 92.28 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tgt Ion:330 Resp: 138481
Ion Ratio Lower Upper
330 100
332 95.0 76.6 115.0
141 38.1 31.4 47.2



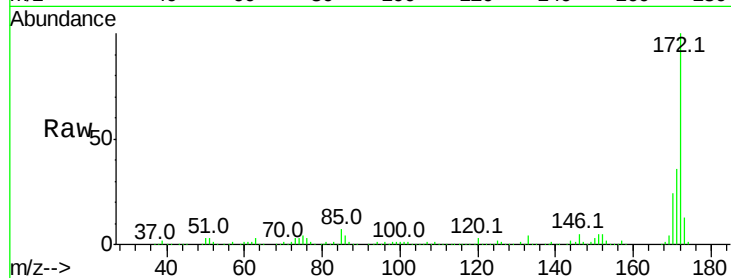
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



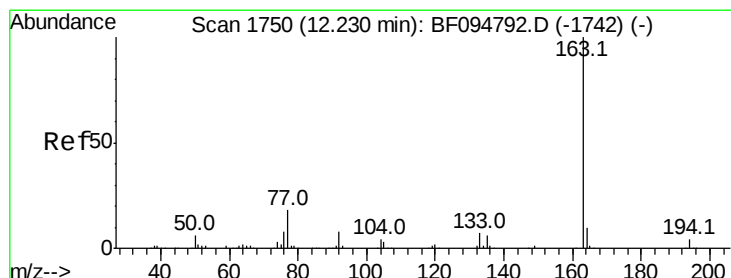
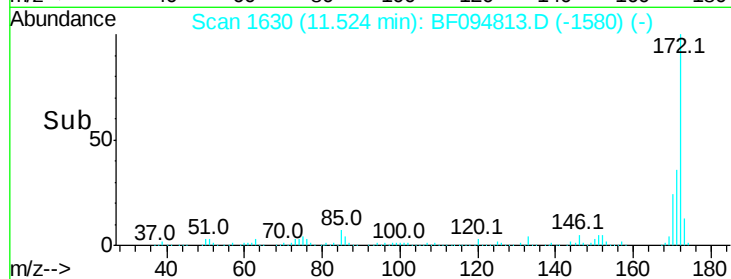
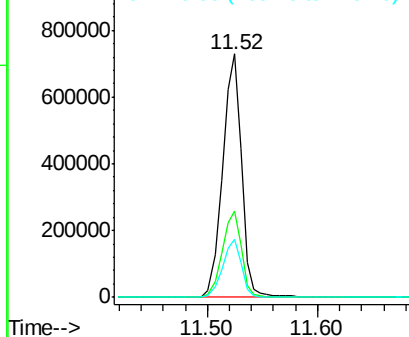


#44
2-Fluorobiphenyl
Concen: 68.87 ng
RT: 11.52 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.6	19.8	29.8

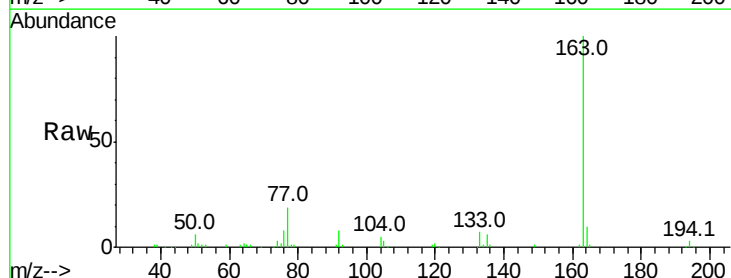


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

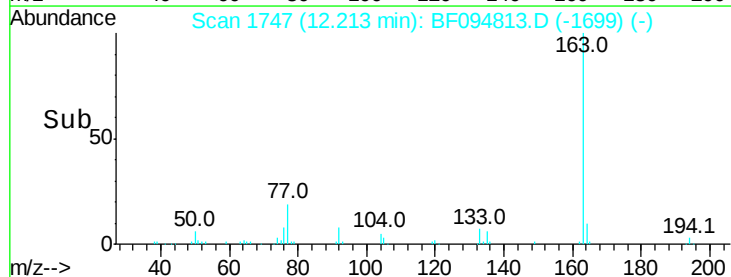
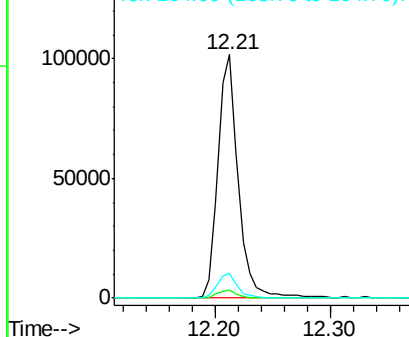


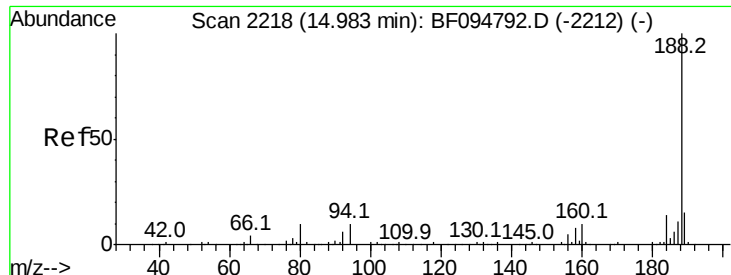
#49
Dimethylphthalate
Concen: 8.23 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.2	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.98 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

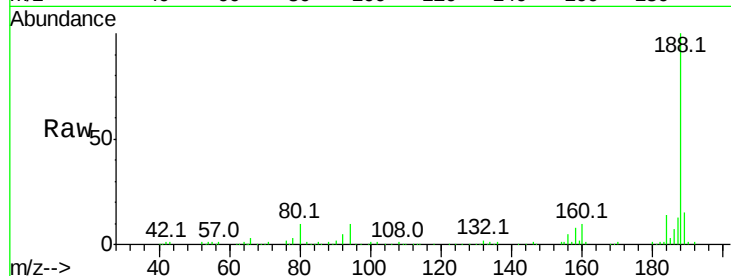
Tot Ion:188 Resp: 283108

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.2

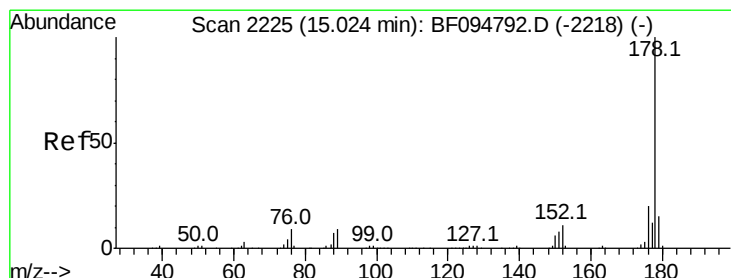
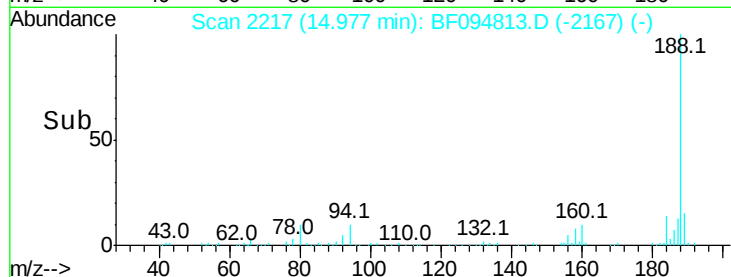
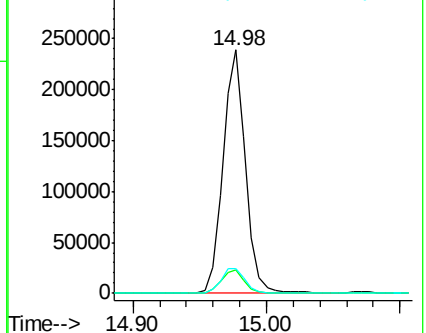
80 10.0 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 2.46 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

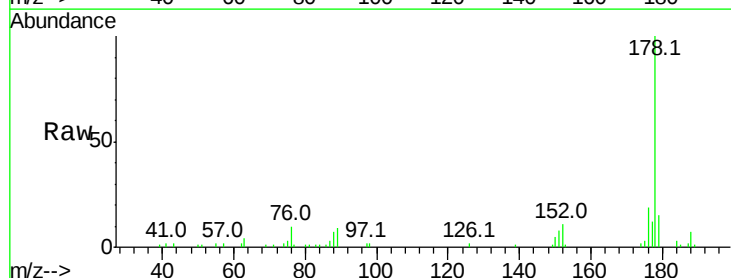
Tgt Ion:178 Resp: 40046

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

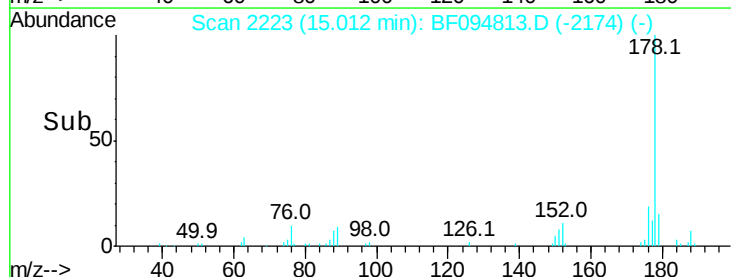
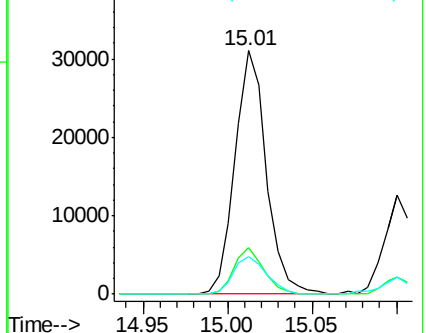
179 15.4 12.6 19.0

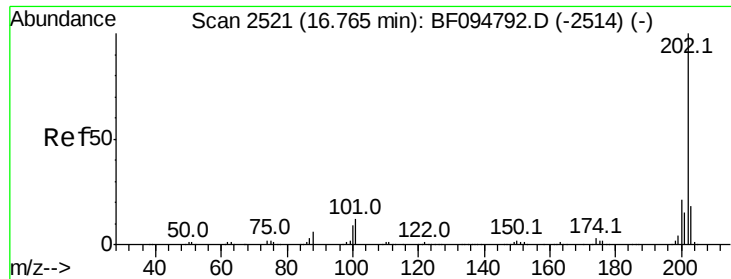


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

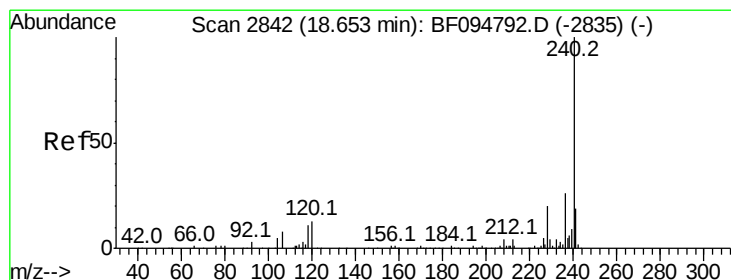
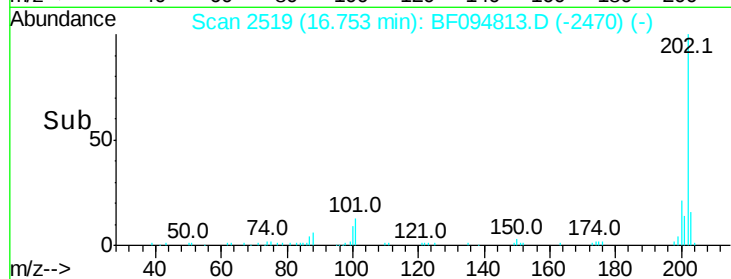
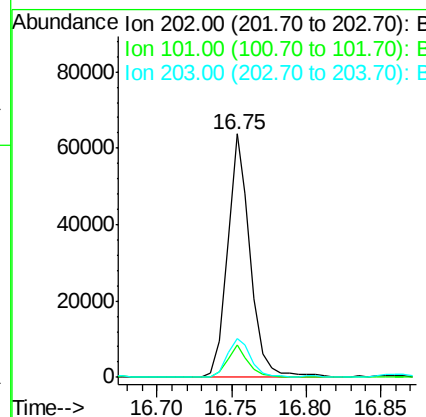
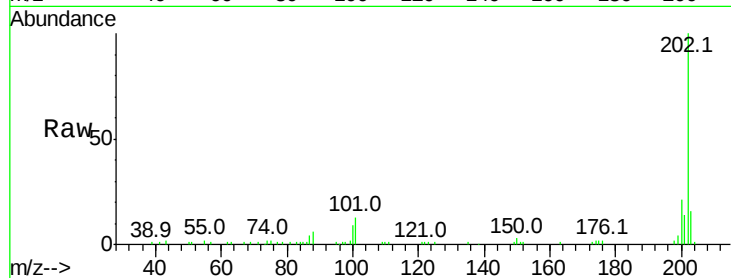
Ion 179.00 (178.70 to 179.70): E





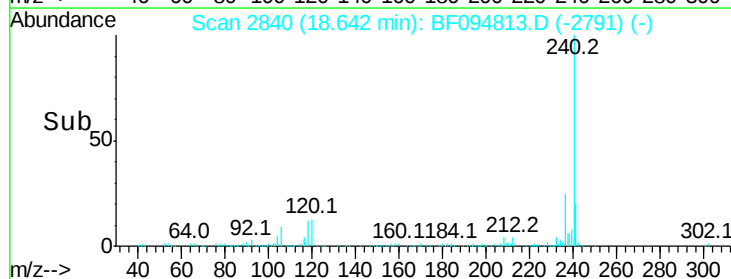
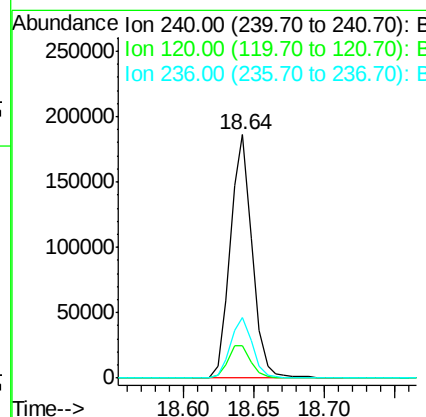
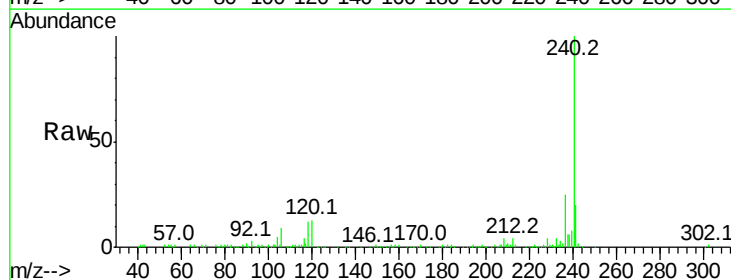
#74
 Fluoranthene
 Concen: 4.06 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

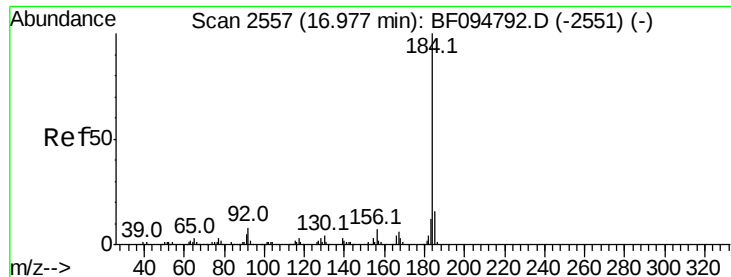
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.2	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	24.8	20.5	30.7





#76

Benzidine

Concen: 6.74 ng

RT: 17.23 min Scan# 2600

Delta R.T. 0.25 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

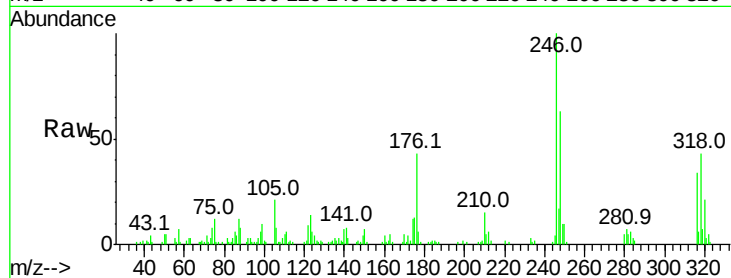
Tot Ion:184 Resp: 967

Ion Ratio Lower Upper

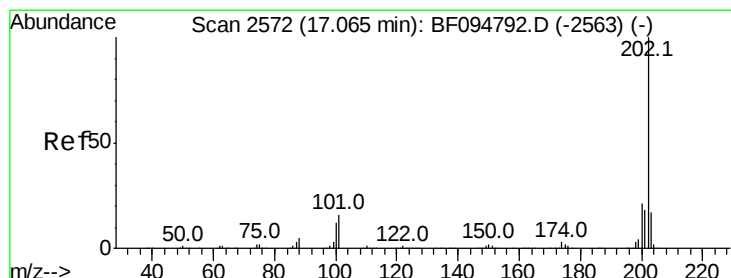
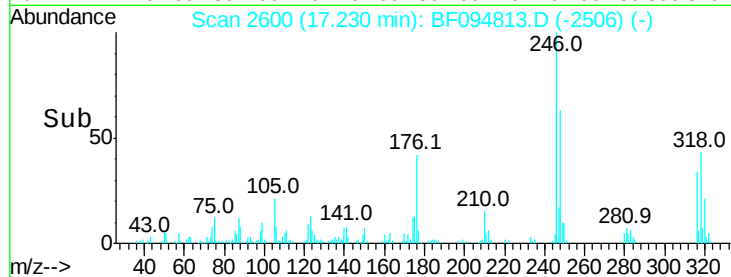
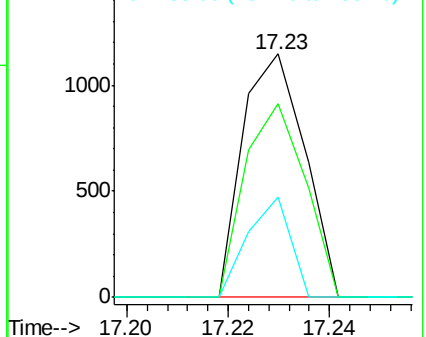
184 100

185 79.7 15.5 23.3#

183 41.4 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: 4.17 ng

RT: 17.06 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

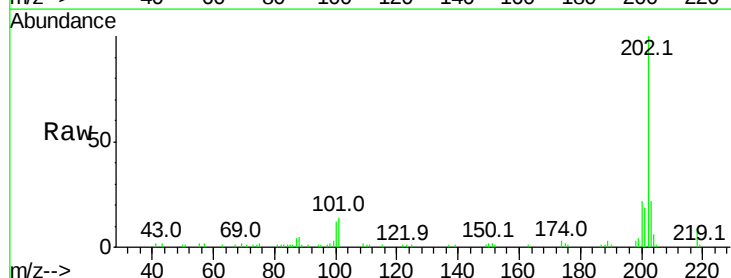
Tgt Ion:202 Resp: 62196

Ion Ratio Lower Upper

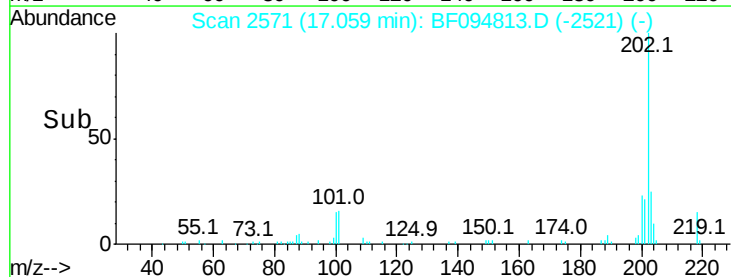
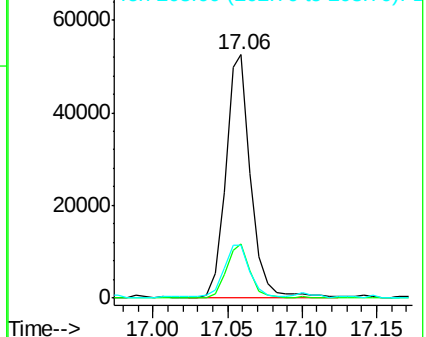
202 100

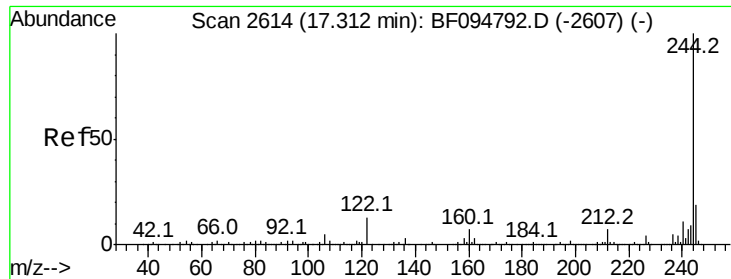
200 22.3 17.6 26.4

203 21.9 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

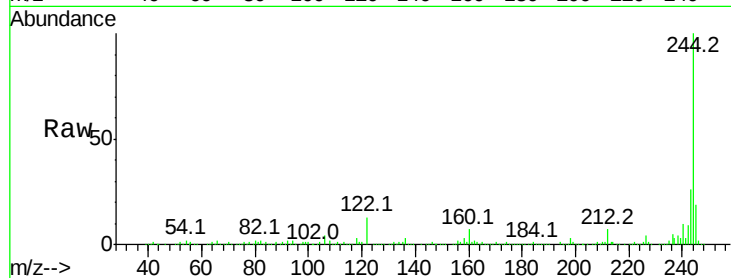




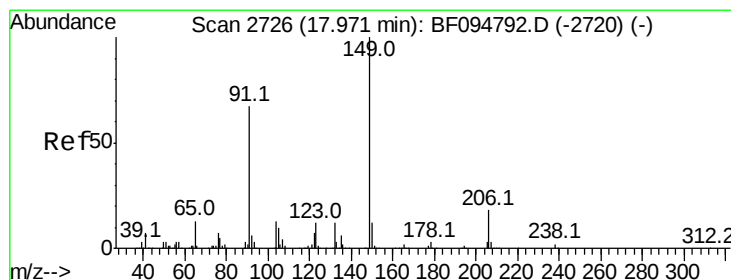
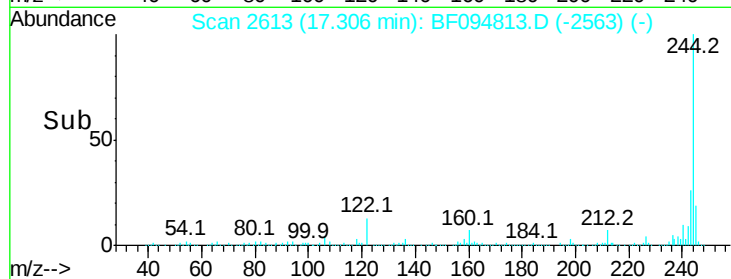
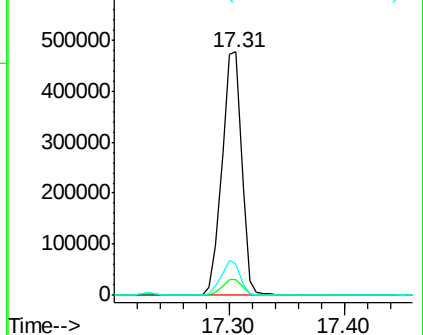
#78
 Terphenyl-d14
 Concen: 62.20 ng
 RT: 17.31 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

Tot Ion:244 Resp: 563869

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	12.6	10.3	15.5



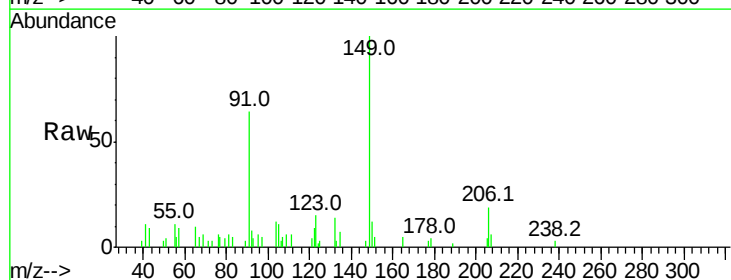
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



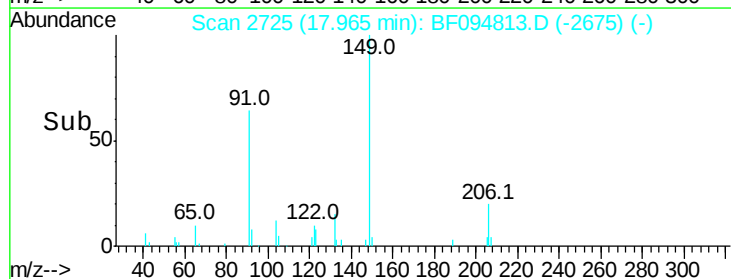
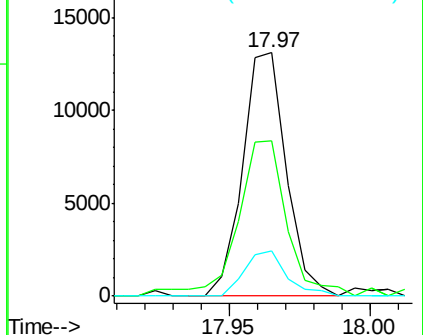
#79
 Butylbenzylphthalate
 Concen: 2.03 ng
 RT: 17.97 min Scan# 2725
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

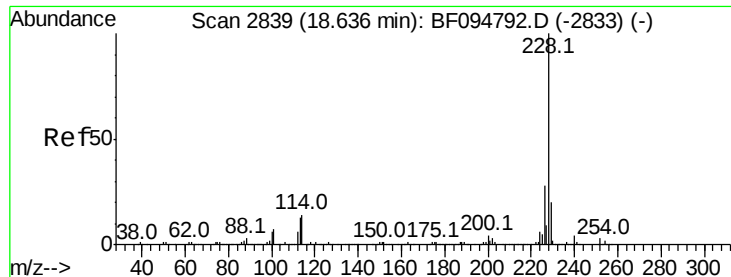
Tgt Ion:149 Resp: 14092

Ion	Ratio	Lower	Upper
149	100		
91	64.0	45.0	67.4
206	18.8	17.0	25.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.63 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

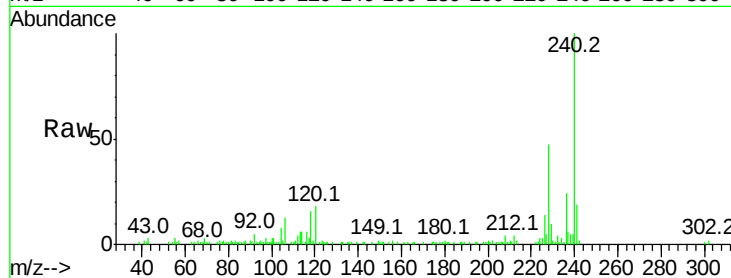
Tot Ion:228 Resp: 30519

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

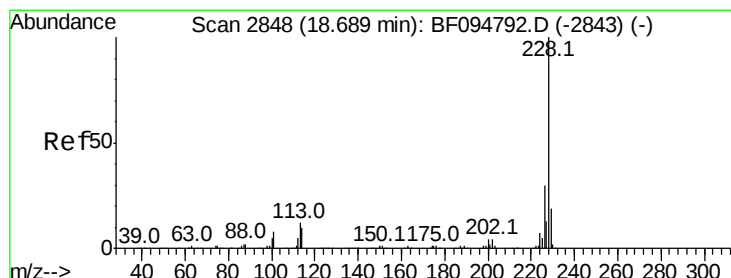
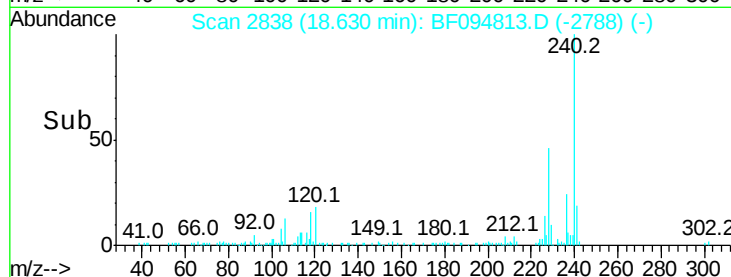
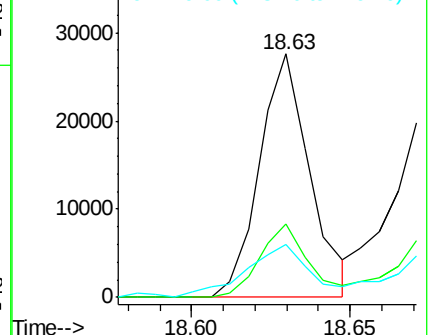
229 21.6 16.3 24.5



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: 2.72 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.06 min

Lab File: BF094813.D

Acq: 3 May 2017 1:44

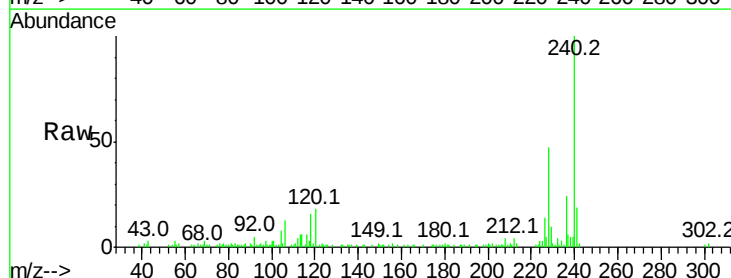
Tgt Ion:228 Resp: 30519

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

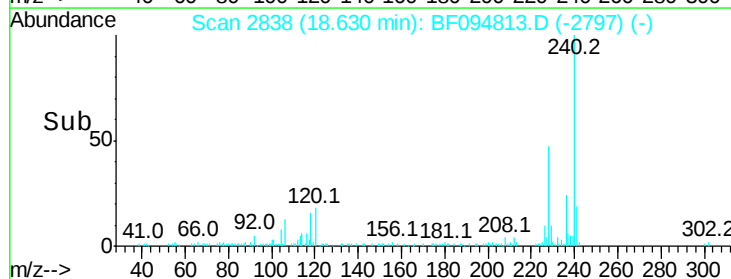
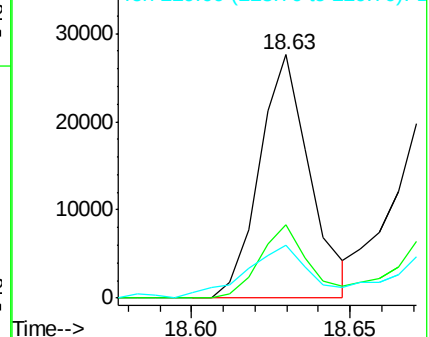
229 21.6 15.8 23.6

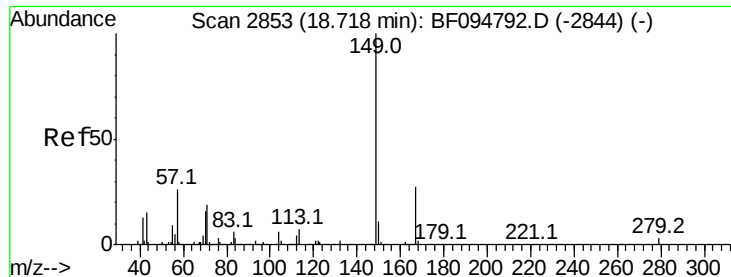


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

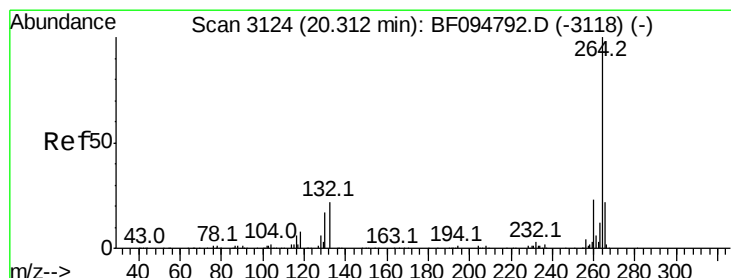
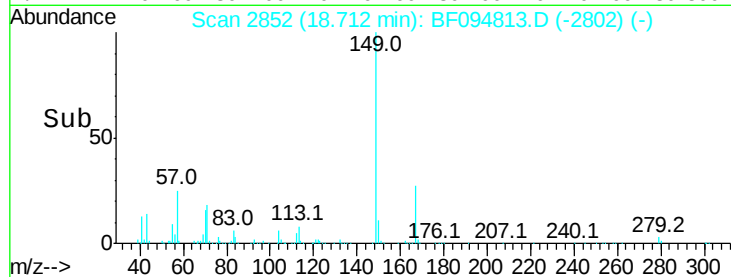
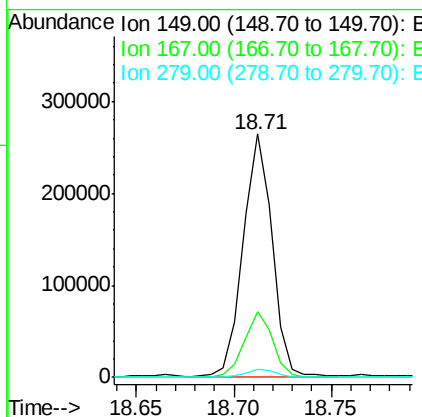
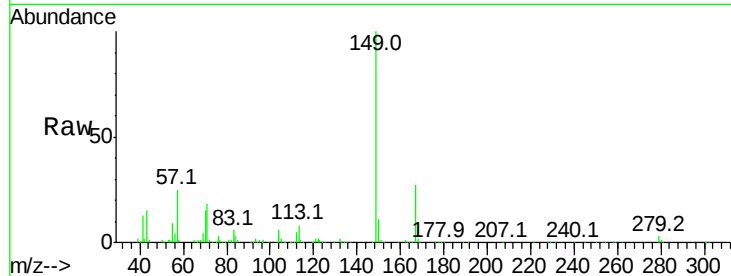
Ion 229.00 (228.70 to 229.70): E





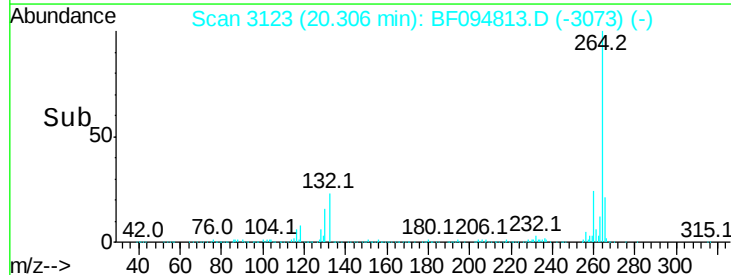
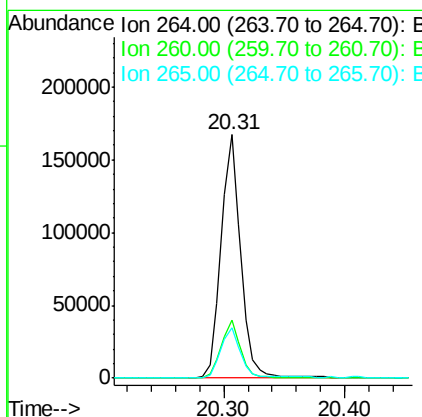
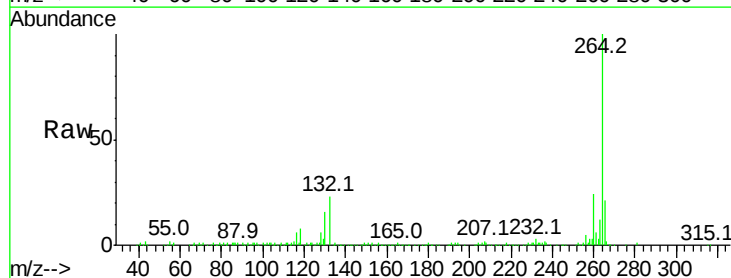
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 27.34 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

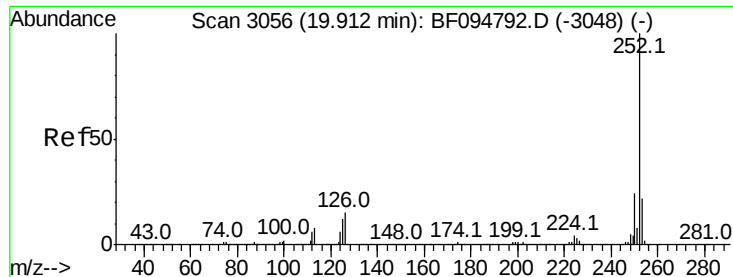
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.0	31.4
279	3.2	1.9	2.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

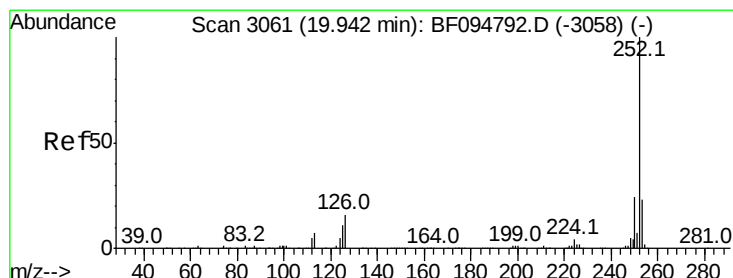
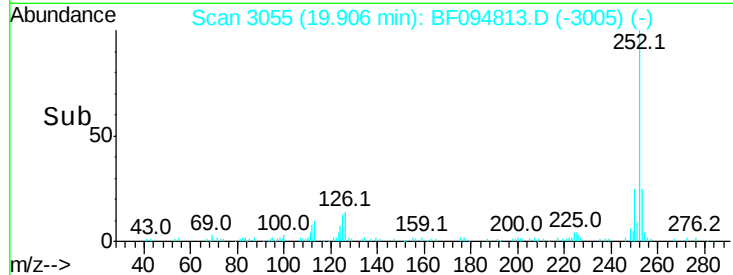
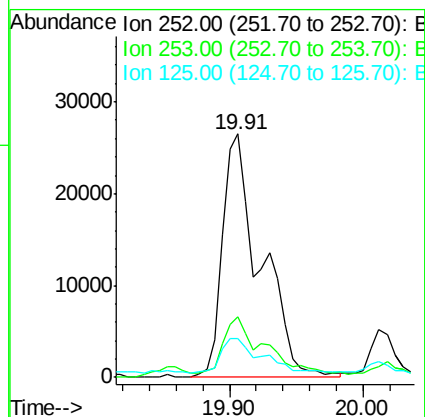
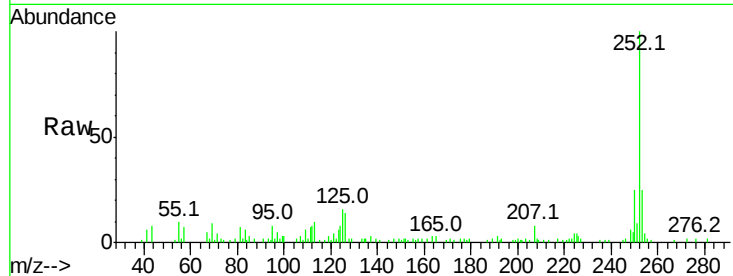
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	20.9	17.2	25.8





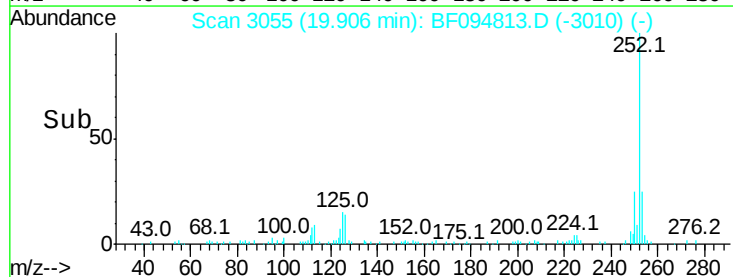
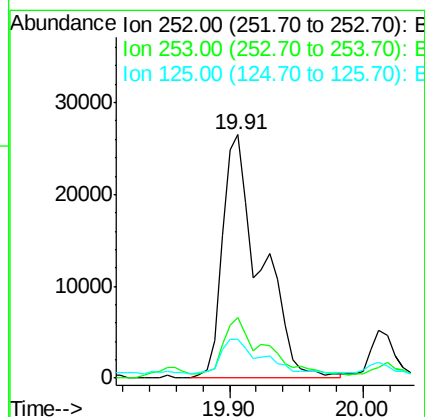
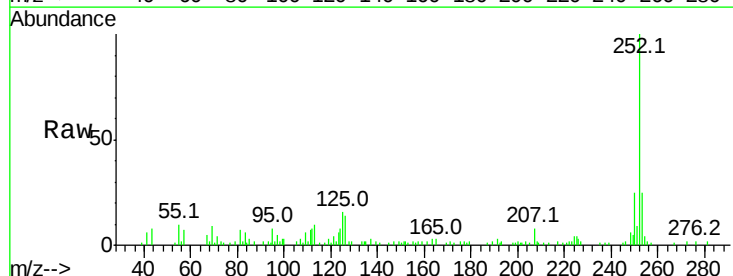
#87
Benzo(b)fluoranthene
Concen: 4.56 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

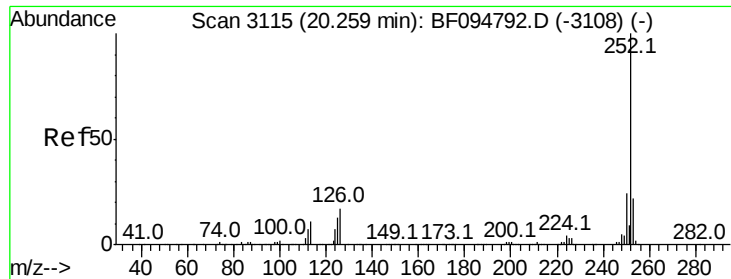
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	16.2	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 4.73 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF094813.D
Acq: 3 May 2017 1:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	16.2	13.1	19.7





#89
 Benzo(a)pyrene
 Concen: 2.31 ng
 RT: 20.25 min Scan# 3114
 Delta R.T. -0.01 min
 Lab File: BF094813.D
 Acq: 3 May 2017 1:44

Tot Ion:	252	Resp:	24790
Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	15.9	11.0	16.4

