

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094817.D
 Acq On : 3 May 2017 3:51
 Operator : SJ/MA
 Sample : I2920-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

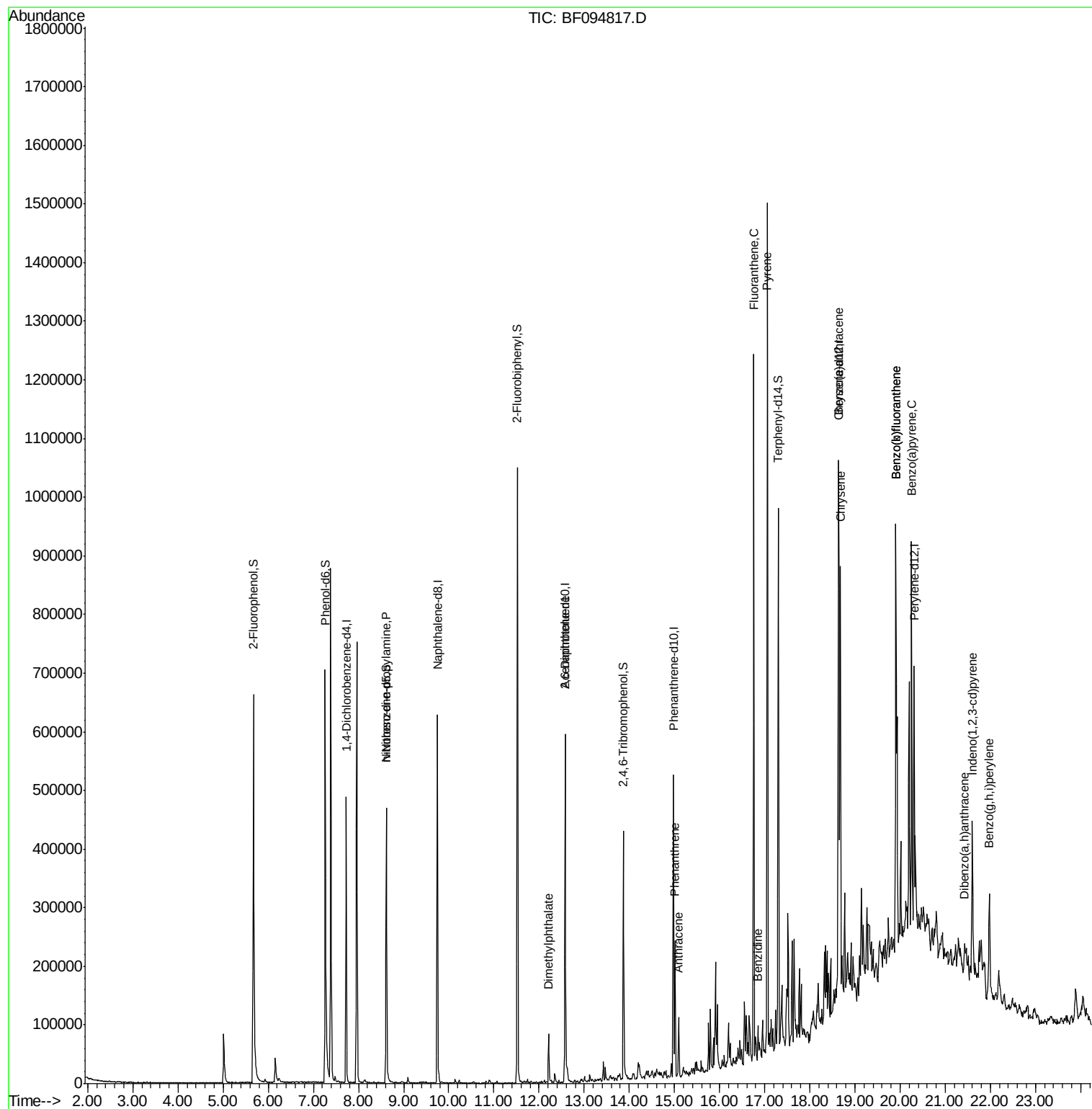
Quant Time: May 03 05:03:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

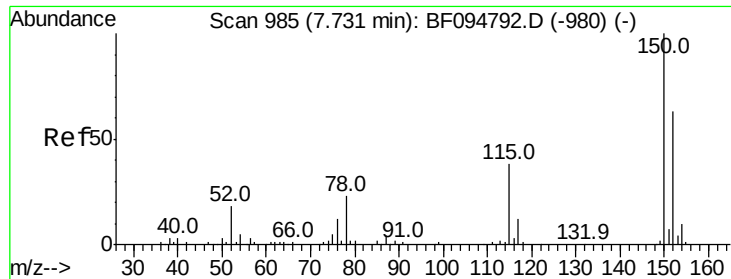
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	97869	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	386142	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	165630	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	234239	20.00	ng	0.00
75) Chrysene-d12	18.65	240	217952	20.00	ng	0.00
86) Perylene-d12	20.31	264	177436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	330155	56.24	ng	0.00
7) Phenol-d6	7.26	99	403109	57.23	ng	-0.02
23) Nitrobenzene-d5	8.62	82	212167	34.65	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	66744	49.20	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	449432	39.06	ng	-0.01
78) Terphenyl-d14	17.30	244	321487	32.49	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	27422	5.76	ng	# 76
49) Dimethylphthalate	12.21	163	49617	3.65	ng	99
50) 2,6-Dinitrotoluene	12.58	165	18295	6.60	ng	# 33
70) Phenanthrene	15.01	178	112567	8.36	ng	98
71) Anthracene	15.09	178	50592	3.68	ng	97
74) Fluoranthene	16.76	202	584444	42.33	ng	98
76) Benzydine	16.85	184	108	6.60	ng	# 62
77) Pyrene	17.06	202	635553	38.99	ng	97
80) Benzo(a)anthracene	18.64	228	361253	28.48	ng	99
82) Chrysene	18.68	228	311340	25.38	ng	97
85) Indeno(1,2,3-cd)pyrene	21.60	276	141095	14.17	ng	95
87) Benzo(b)fluoranthene	19.91	252	533691	48.68	ng	# 97
88) Benzo(k)fluoranthene	19.91	252	533691	50.46	ng	98
89) Benzo(a)pyrene	20.25	252	290347	28.70	ng	98
90) Dibenzo(a,h)anthracene	21.44	278	24497	2.93	ng	95
91) Benzo(g,h,i)perylene	21.98	276	121612	14.83	ng	94

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

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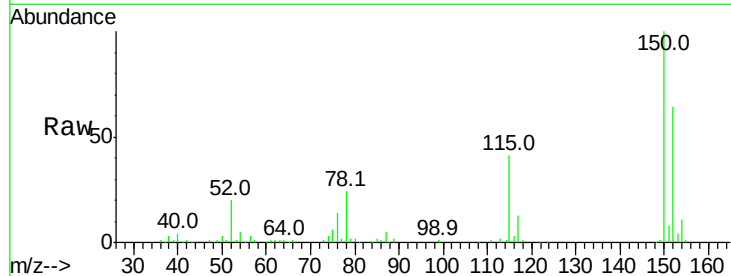




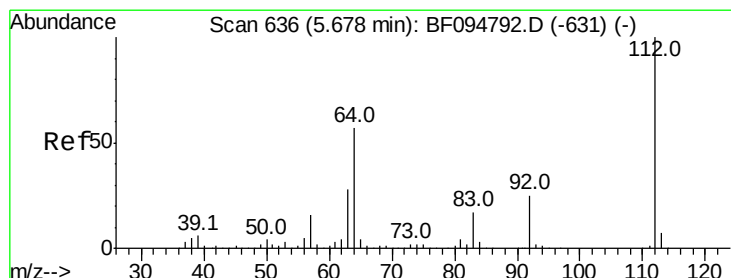
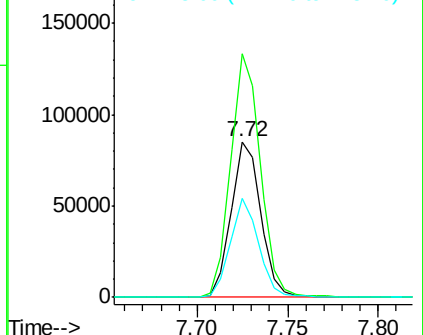
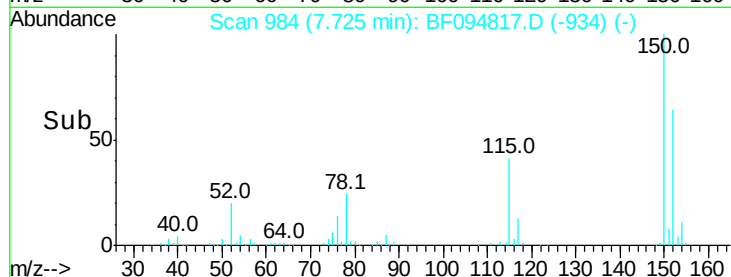
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tot Ion:152 Resp: 97869
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 63.8 52.2 78.2



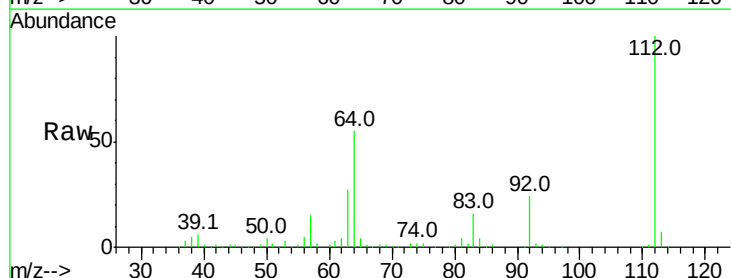
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



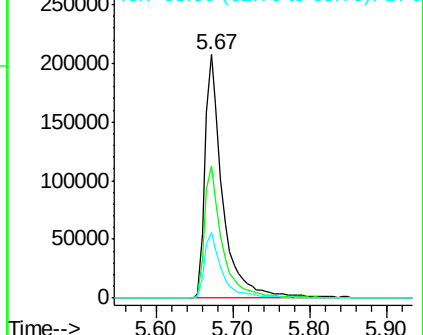
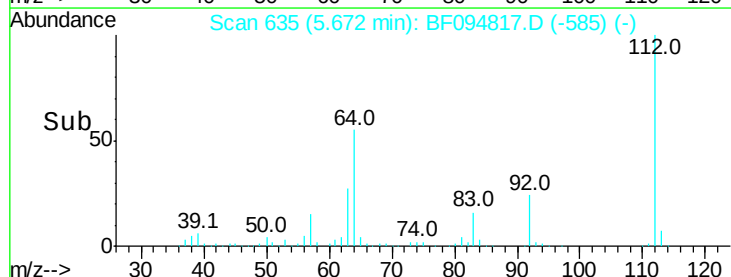
#5

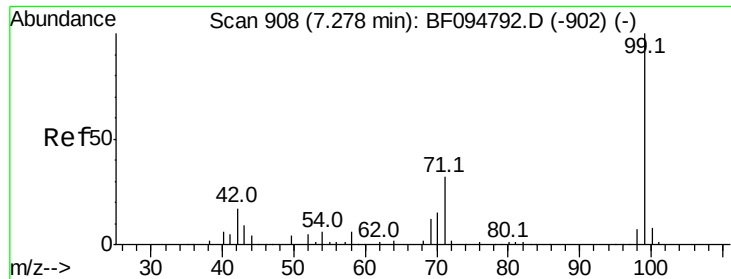
2-Fluorophenol
Concen: 56.24 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tgt Ion:112 Resp: 330155
Ion Ratio Lower Upper
112 100
64 54.6 46.0 69.0
63 26.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.23 ng

RT: 7.26 min Scan# 905

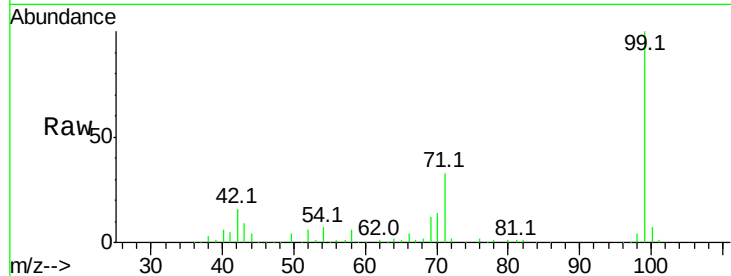
Delta R.T. -0.02 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

Tot Ion: 99 Resp: 403109

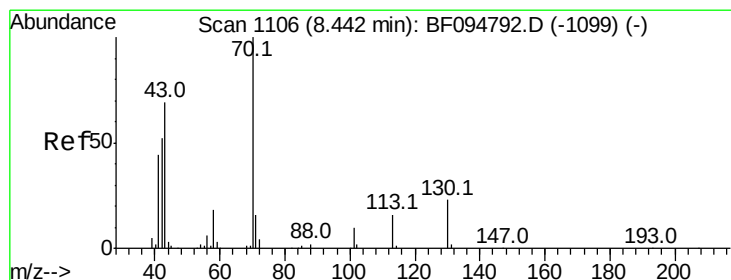
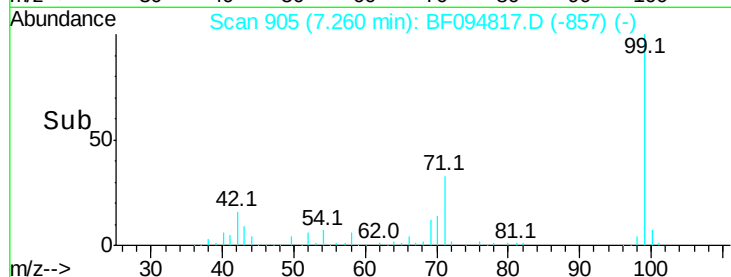
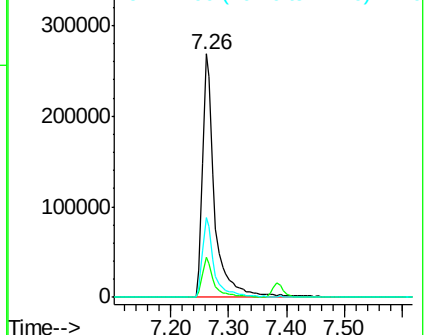
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	32.8	24.5	36.7



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: 5.76 ng

RT: 8.62 min Scan# 1136

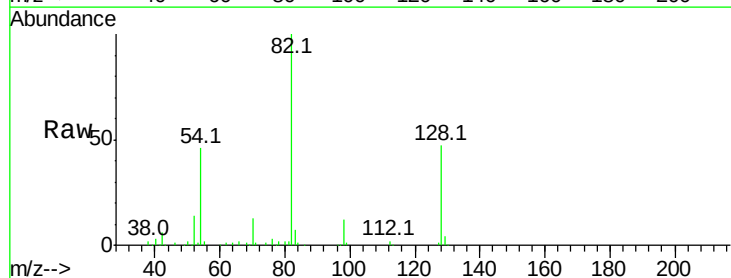
Delta R.T. 0.18 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

Tgt Ion: 70 Resp: 27422

Ion	Ratio	Lower	Upper
70	100		
42	44.9	47.2	70.8#
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#

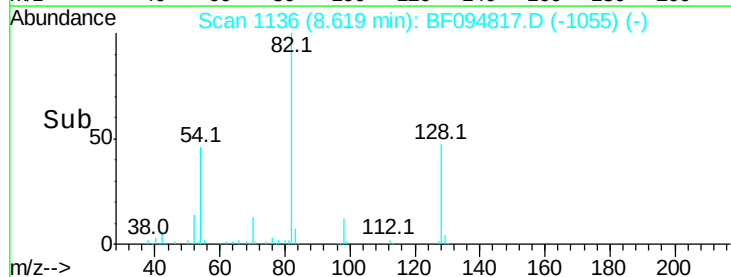
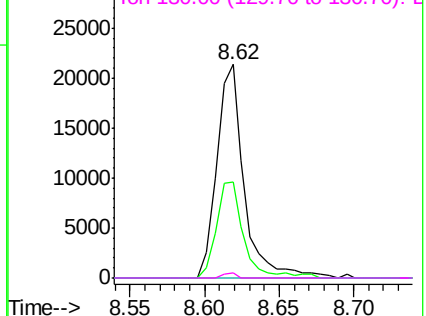


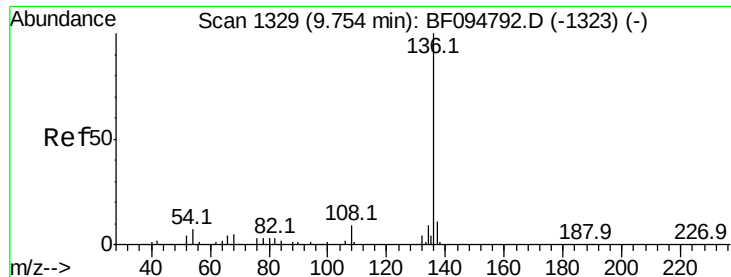
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

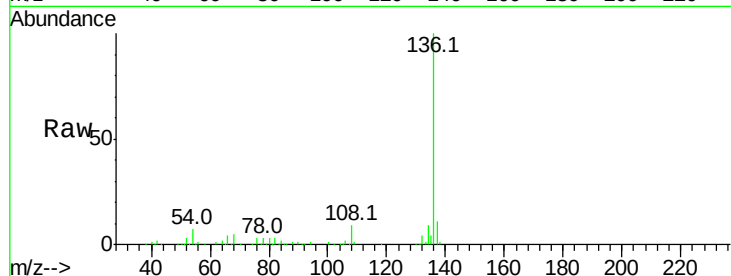
Ion 130.00 (129.70 to 130.70): BF0



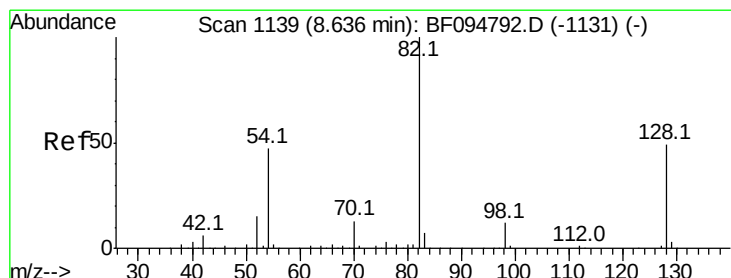
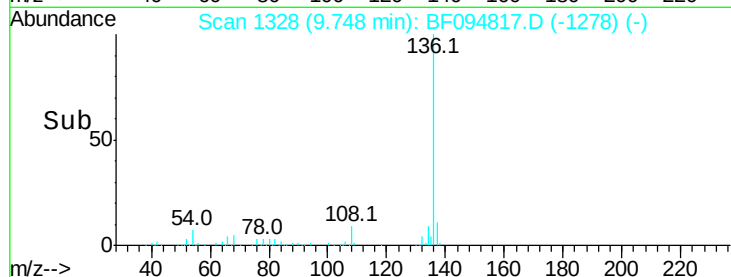
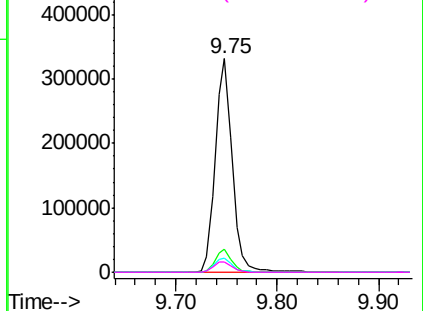


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tot Ion:136	Resp:	386142
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.5	12.7
54 6.7	4.9	7.3
68 4.9	4.1	6.1

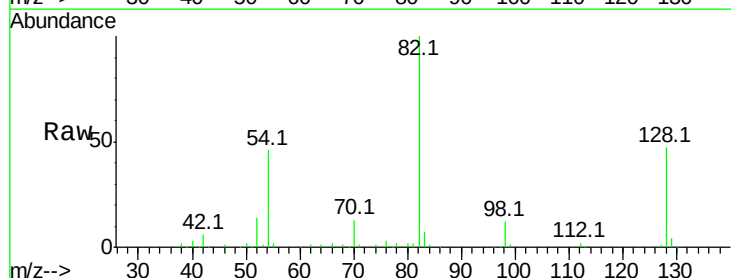


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

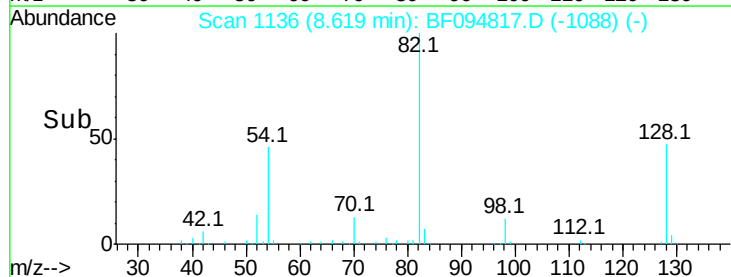
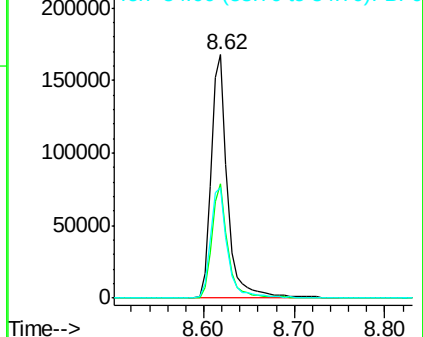


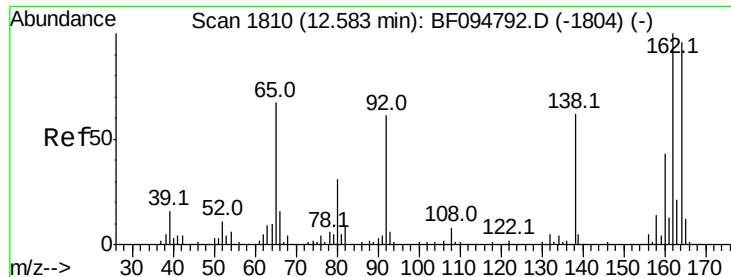
#23
Nitrobenzene-d5
Concen: 34.65 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tgt	Ion: 82	Resp:	212167
Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.0	51.0
54	45.6	42.2	63.2



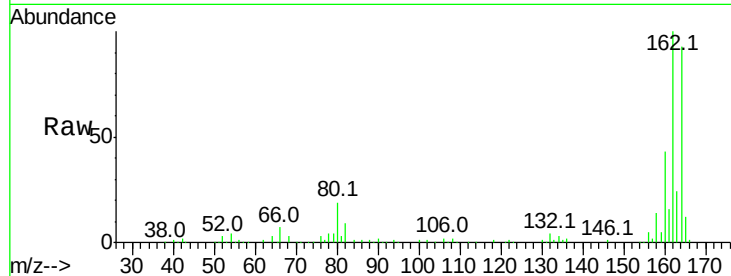
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



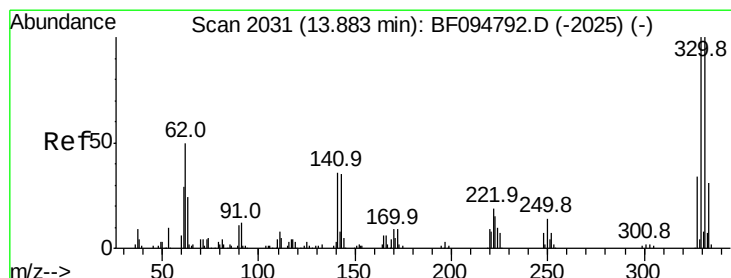
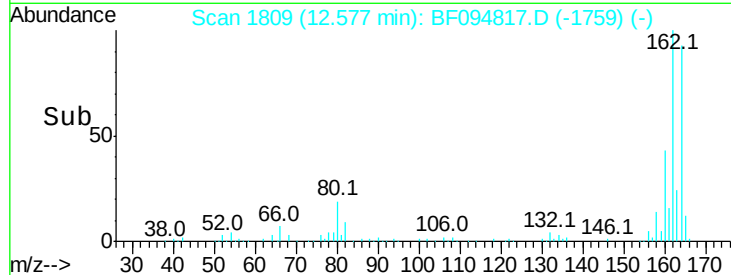
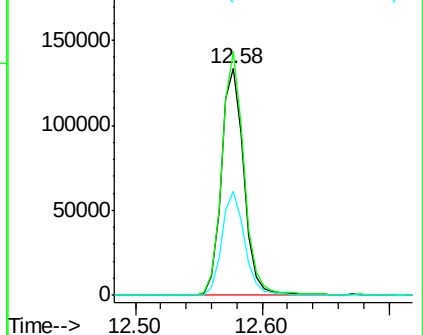


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tot Ion:164 Resp: 165630
Ion Ratio Lower Upper
164 100
162 107.5 82.6 123.8
160 45.8 36.2 54.2

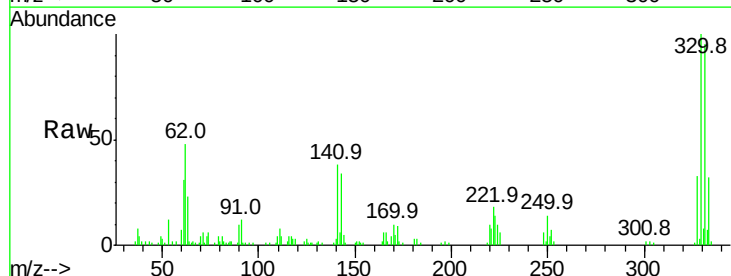


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

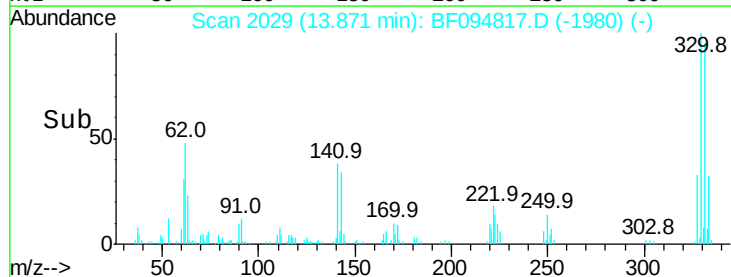
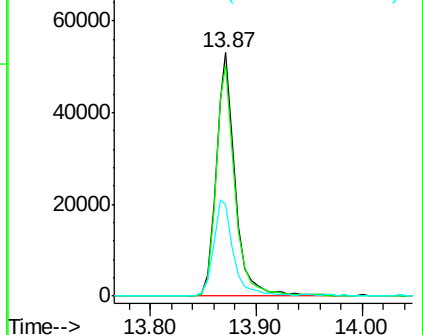


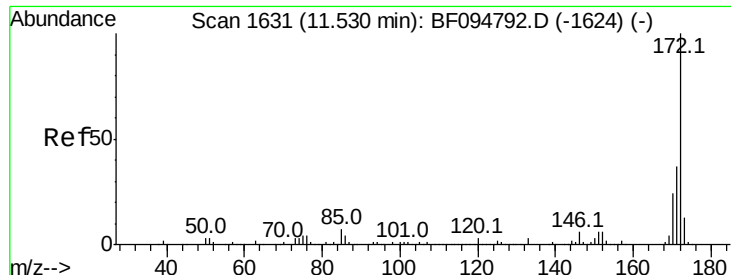
#41
2,4,6-Tribromophenol
Concen: 49.20 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tgt Ion:330 Resp: 66744
Ion Ratio Lower Upper
330 100
332 95.4 76.6 115.0
141 41.7 31.4 47.2



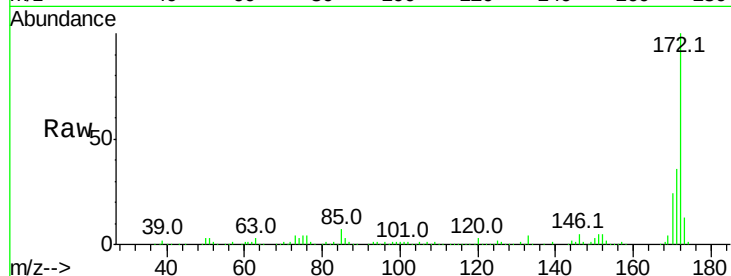
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



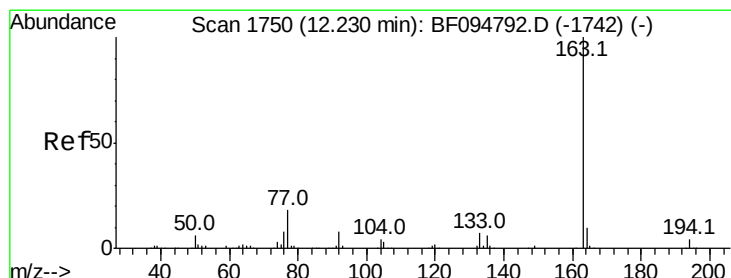
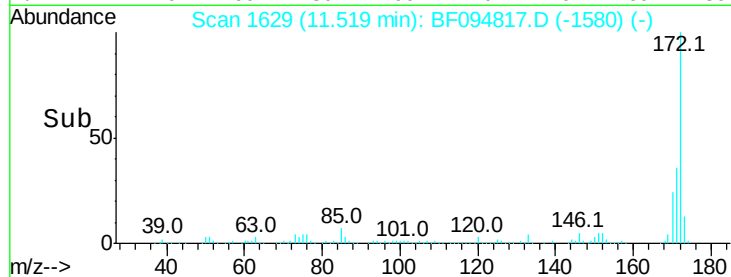
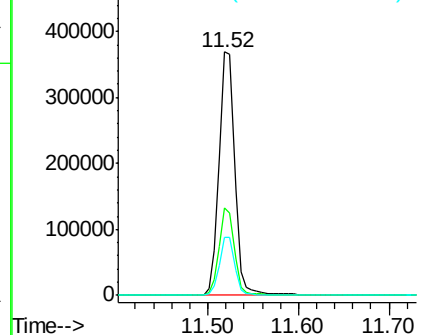


#44
 2-Fluorobiphenyl
 Concen: 39.06 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094817.D
 Acq: 3 May 2017 3:51

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.8	19.8	29.8

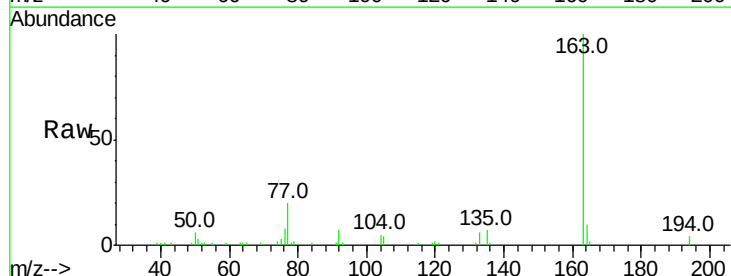


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

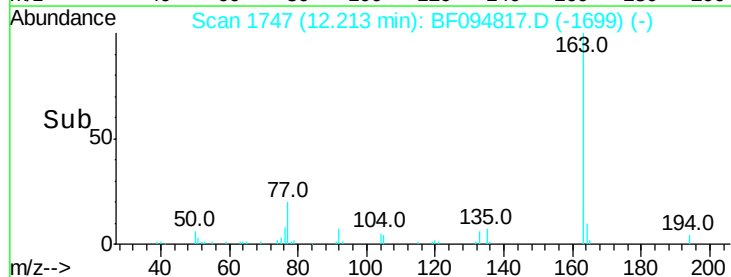
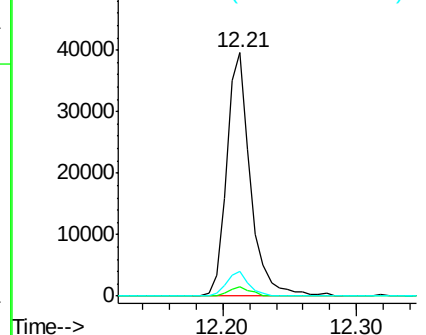


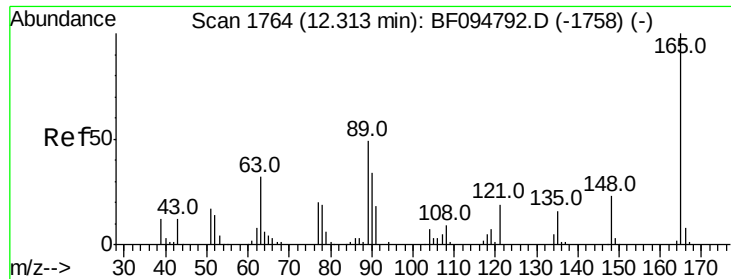
#49
 Dimethylphthalate
 Concen: 3.65 ng
 RT: 12.21 min Scan# 1747
 Delta R.T. -0.02 min
 Lab File: BF094817.D
 Acq: 3 May 2017 3:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.0	8.4	12.6



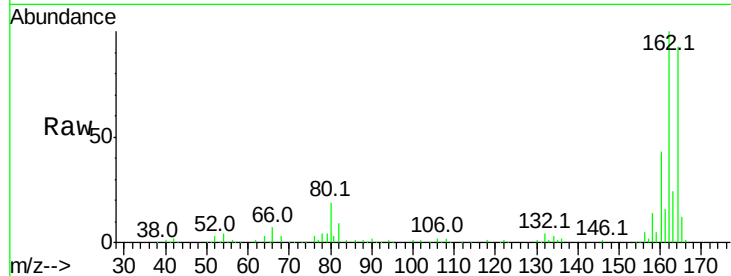
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50
 2,6-Dinitrotoluene
 Concen: 6.60 ng
 RT: 12.58 min Scan# 1809
 Delta R.T. 0.26 min
 Lab File: BF094817.D
 Acq: 3 May 2017 3:51

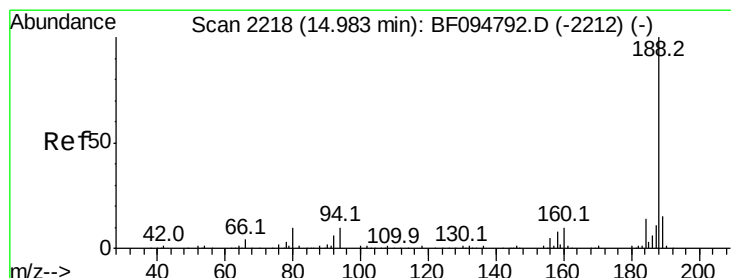
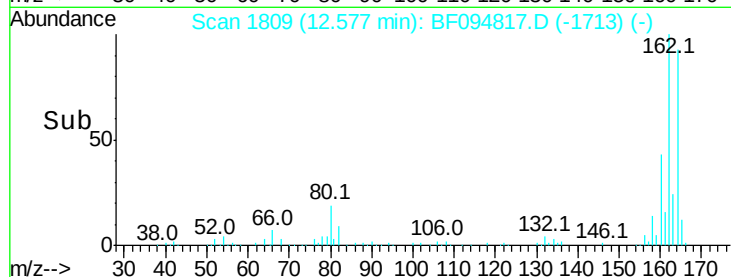
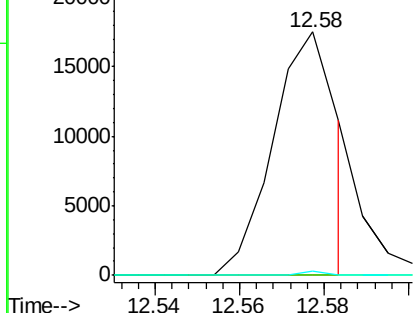
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	1.8	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

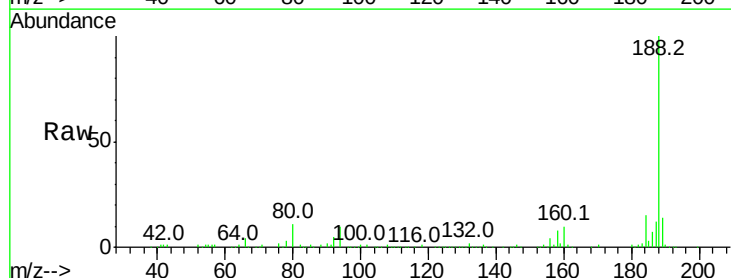
Ion 63.00 (62.70 to 63.70): BF0

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: BF094817.D
 Acq: 3 May 2017 3:51

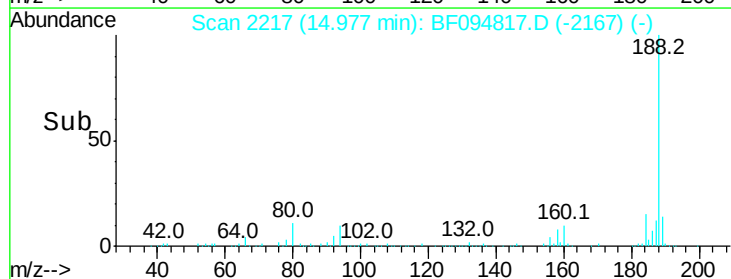
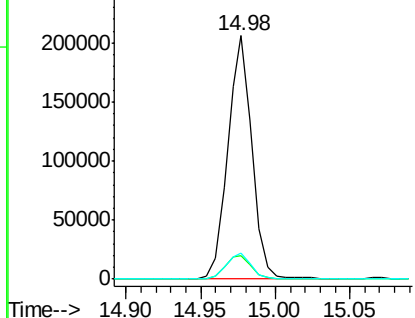
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.7	10.2	15.2

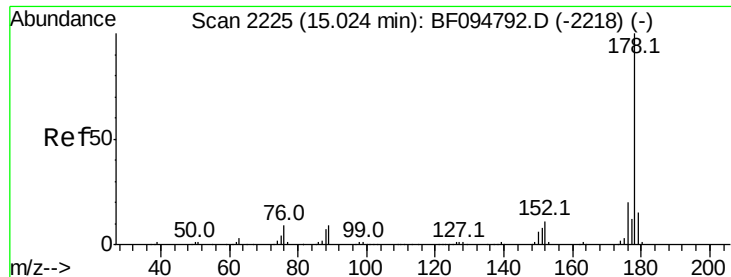


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

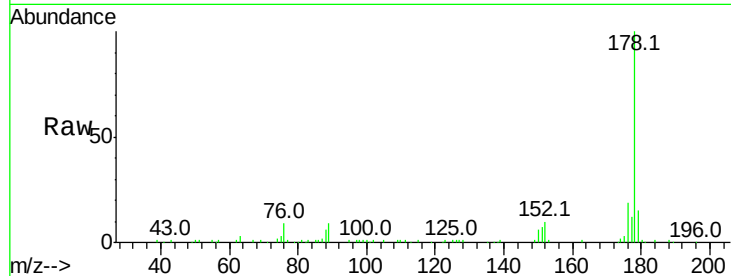
Ion 80.00 (79.70 to 80.70): BF0



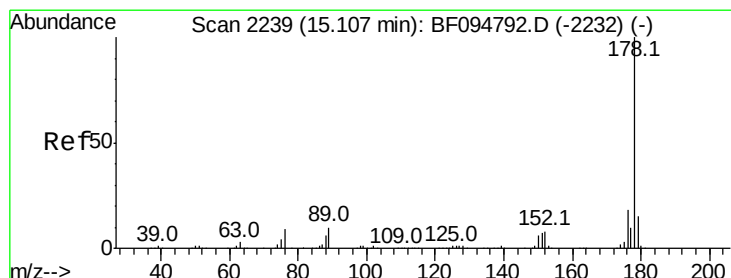
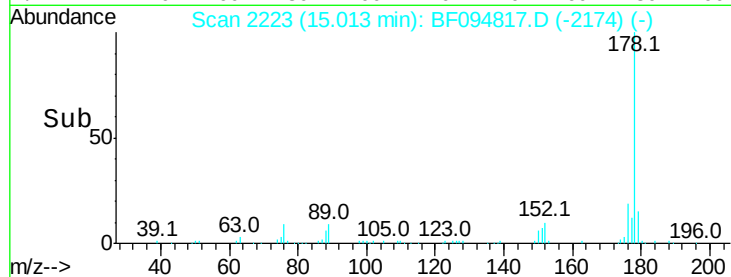
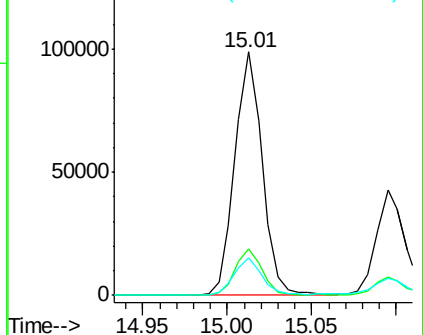


#70
Phenanthrene
Concen: 8.36 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.3	12.6	19.0

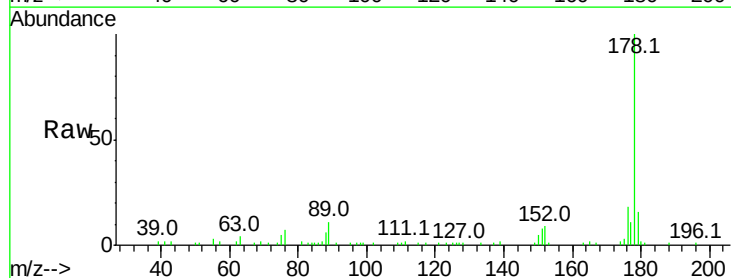


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

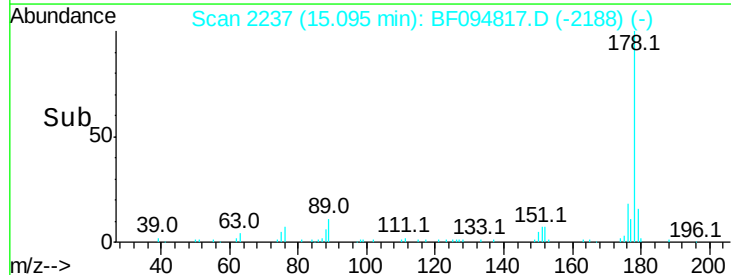
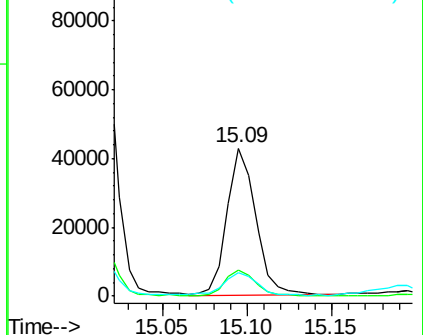


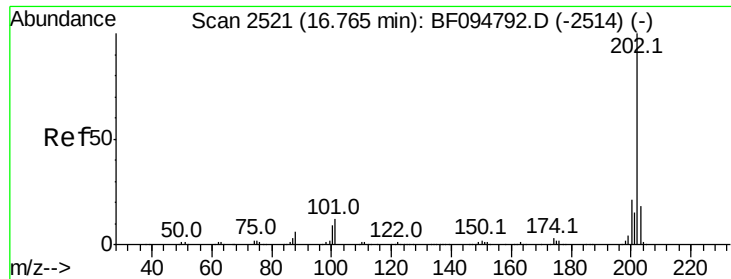
#71
Anthracene
Concen: 3.68 ng
RT: 15.09 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	16.2	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: 42.33 ng

RT: 16.76 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

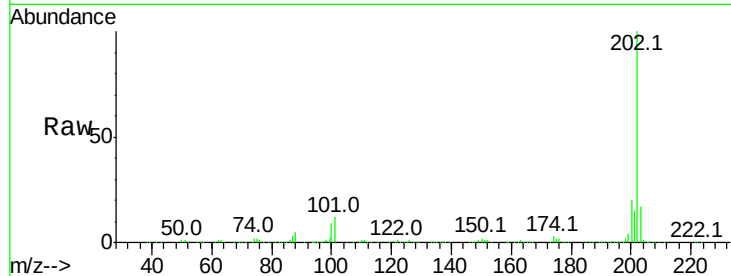
Tot Ion:202 Resp: 584444

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.2

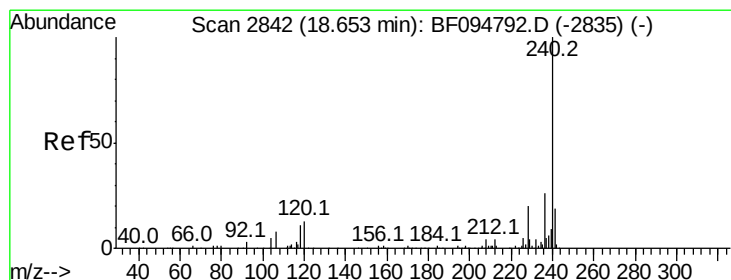
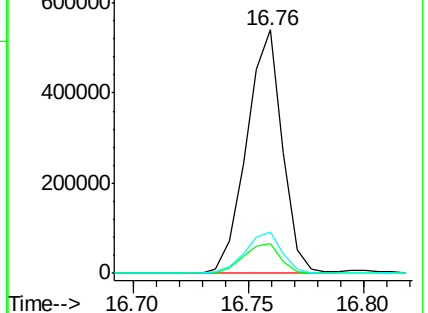
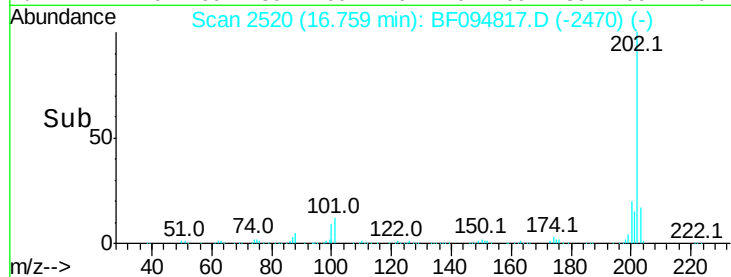
203 17.2 0.0 38.1



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: 18.65 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

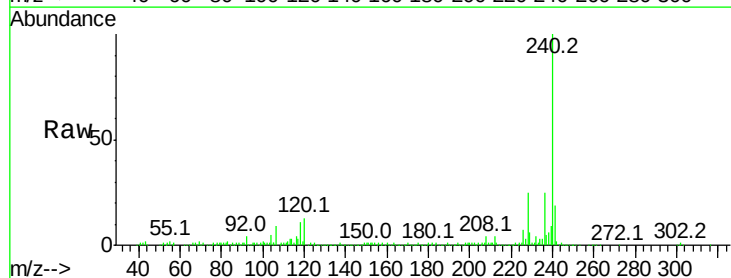
Tgt Ion:240 Resp: 217952

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

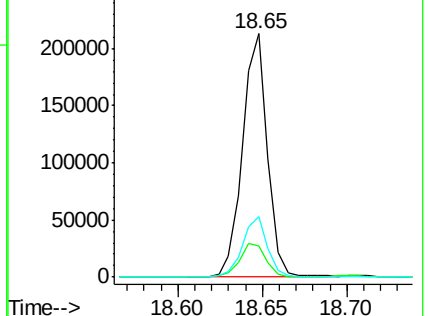
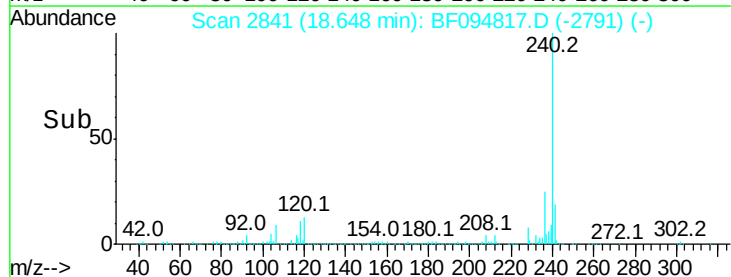
236 25.1 20.5 30.7

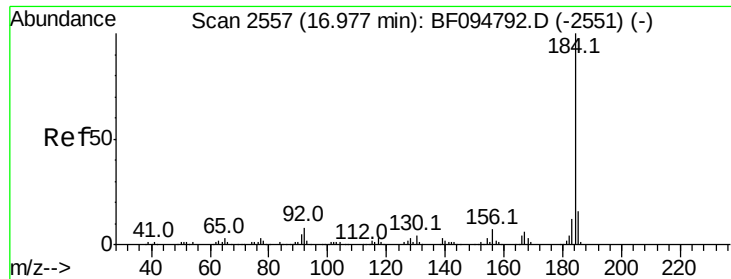


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.60 ng

RT: 16.85 min Scan# 2535

Delta R.T. -0.13 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

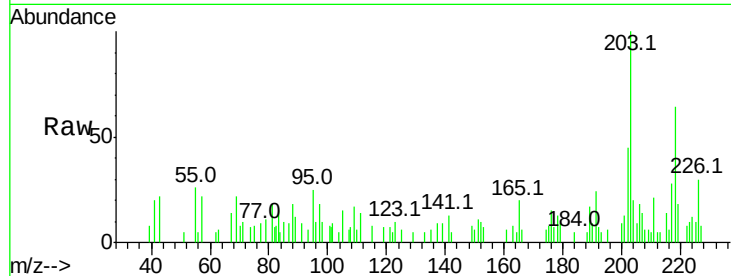
Tot Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

183 0.0 9.8 14.6#

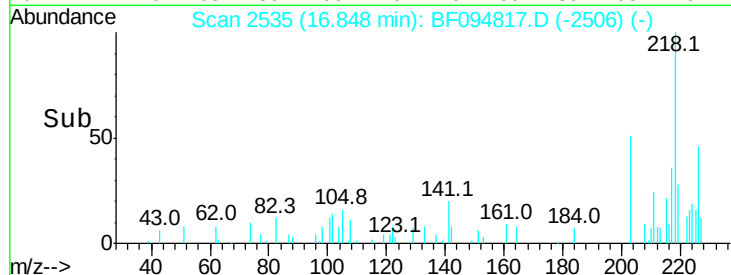


Abundance Ion 184.00 (183.70 to 184.70): E

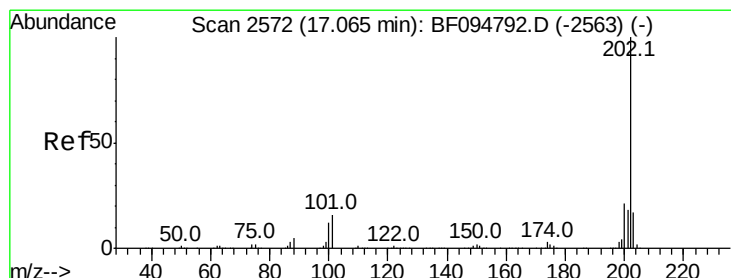
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

16.85



Time-->



#77

Pyrene

Concen: 38.99 ng

RT: 17.06 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

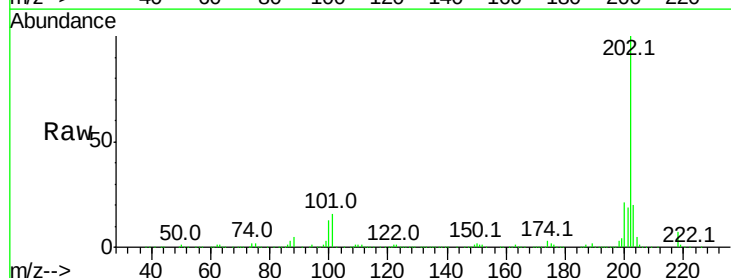
Tgt Ion:202 Resp: 635553

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

203 19.9 14.4 21.6

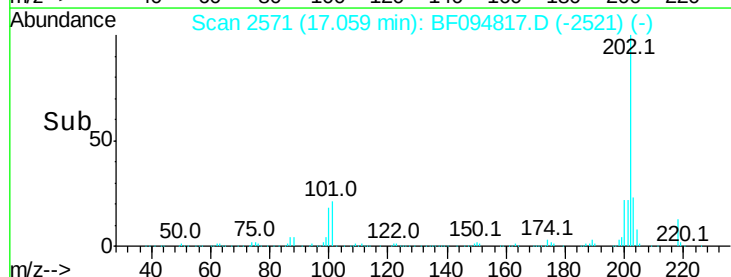


Abundance Ion 202.00 (201.70 to 202.70): E

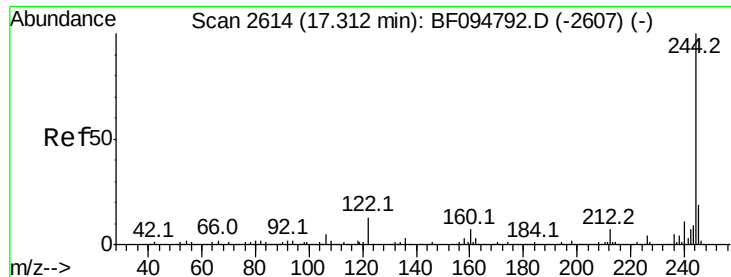
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

17.06



Time-->



#78

Terphenyl-d14

Concen: 32.49 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

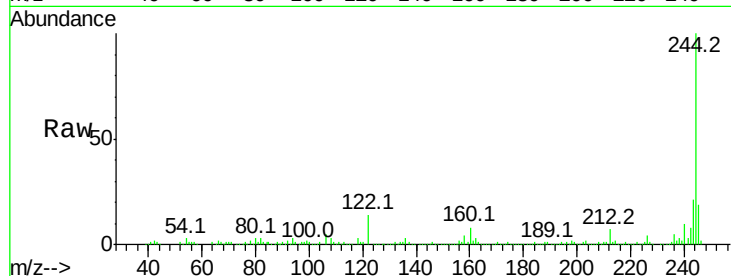
Tot Ion:244 Resp: 321487

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

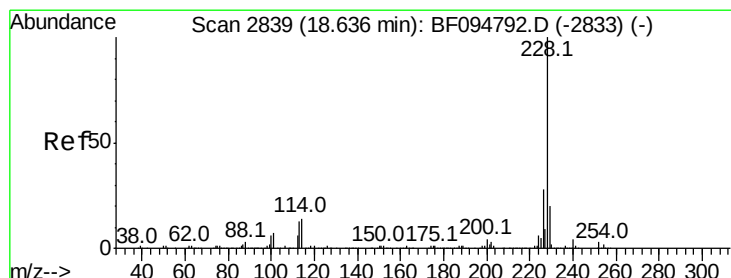
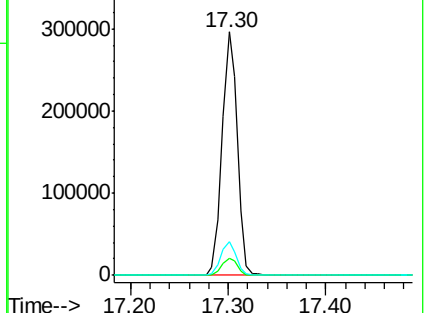
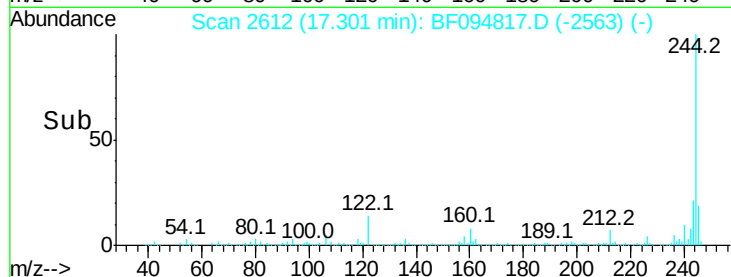
122 14.1 10.3 15.5



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: 28.48 ng

RT: 18.64 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

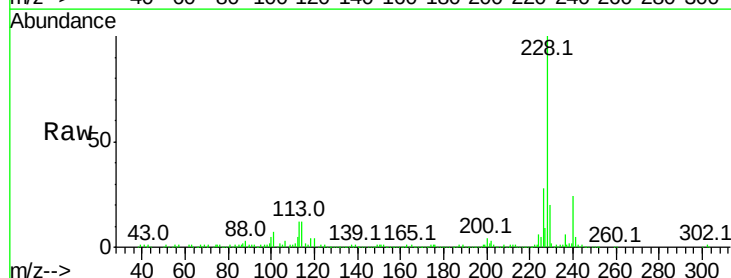
Tgt Ion:228 Resp: 361253

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

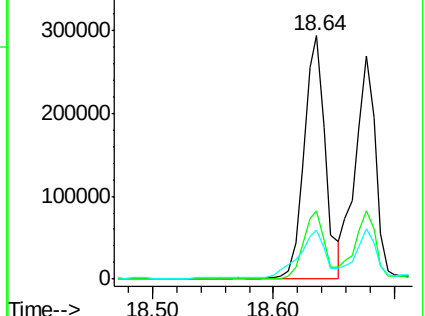
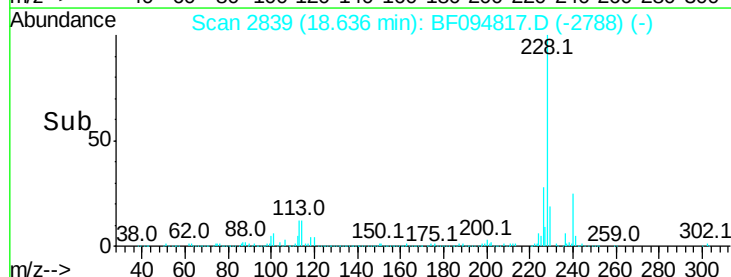
229 20.1 16.3 24.5

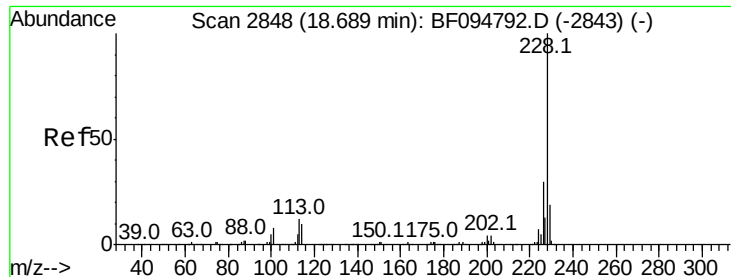


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

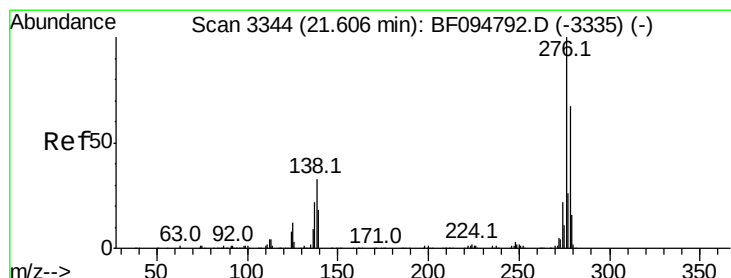
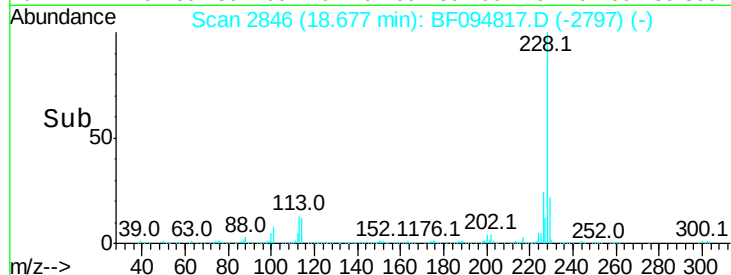
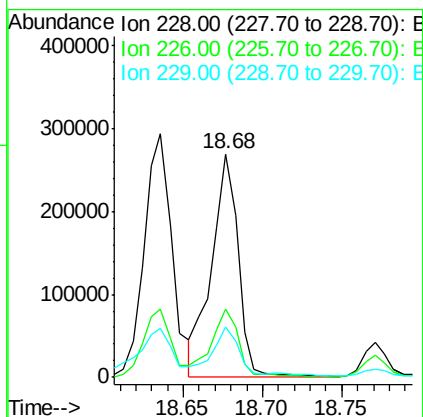
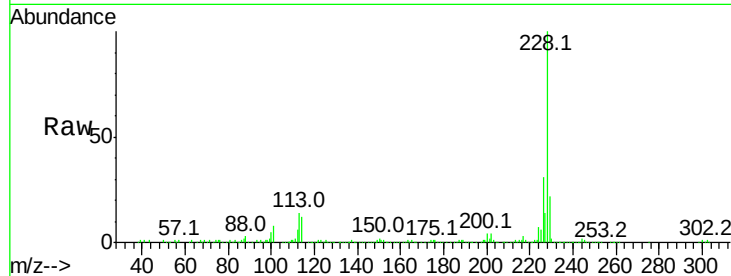
Ion 229.00 (228.70 to 229.70): E





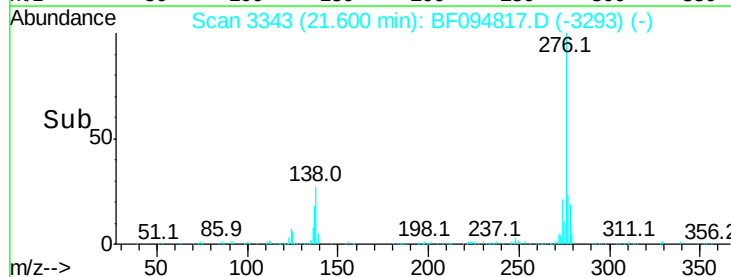
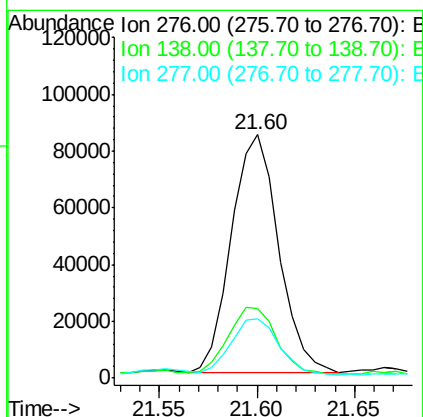
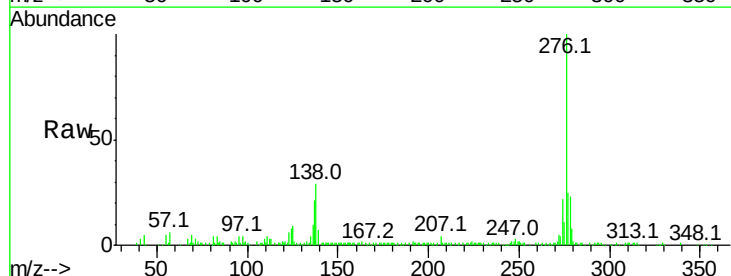
#82
Chrysene
Concen: 25.38 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

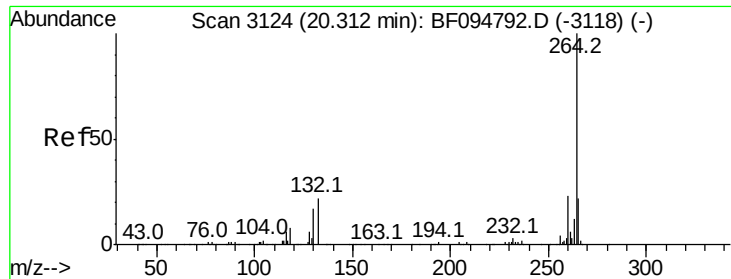
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	22.3	15.8	23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 14.17 ng
RT: 21.60 min Scan# 3343
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

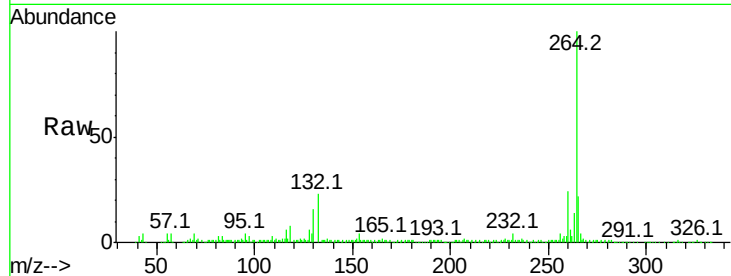
Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.8	41.6
277	24.7	20.2	30.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.00 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.8	17.2	25.8

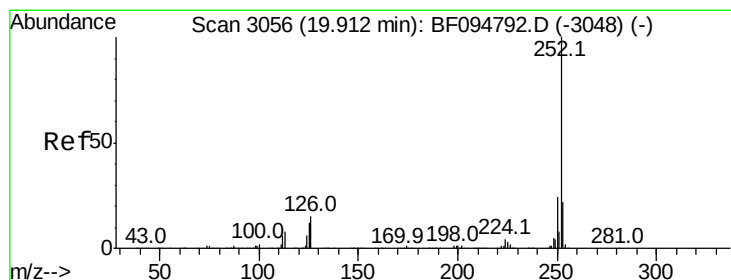
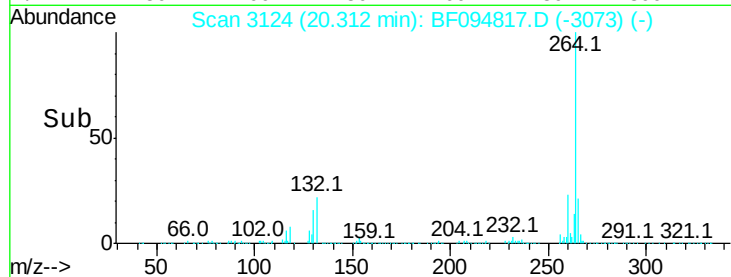
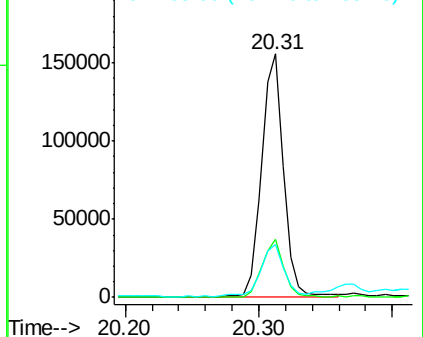


Abundance

Ion 264.00 (263.70 to 264.70): E

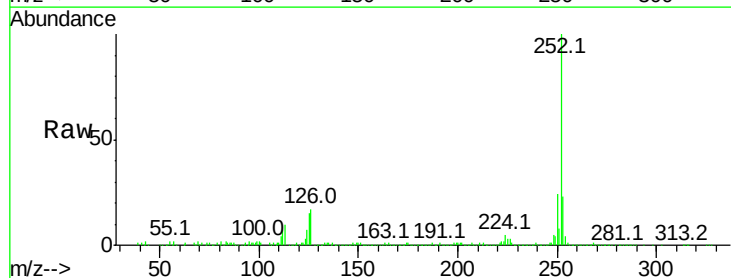
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 48.68 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	14.8	9.8	14.8

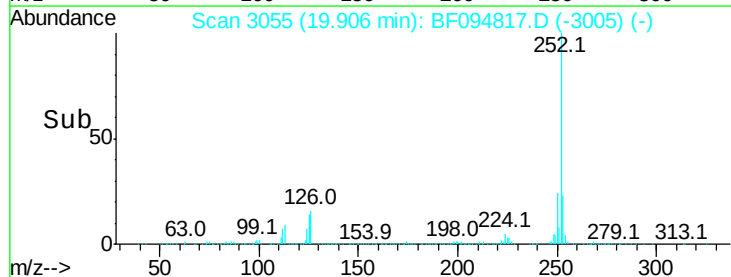
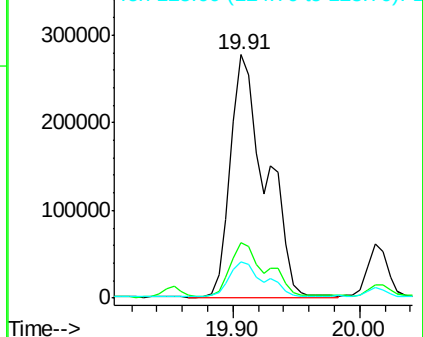


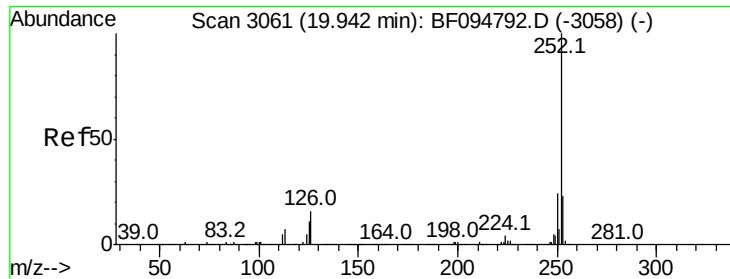
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

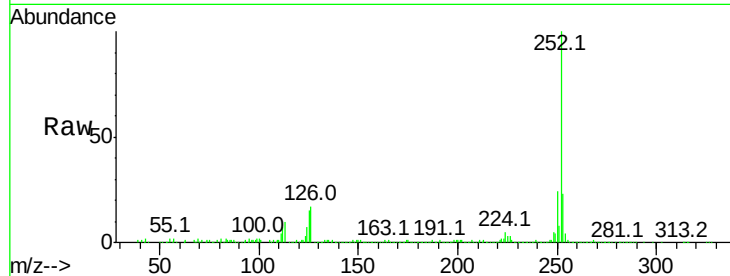
Ion 125.00 (124.70 to 125.70): E



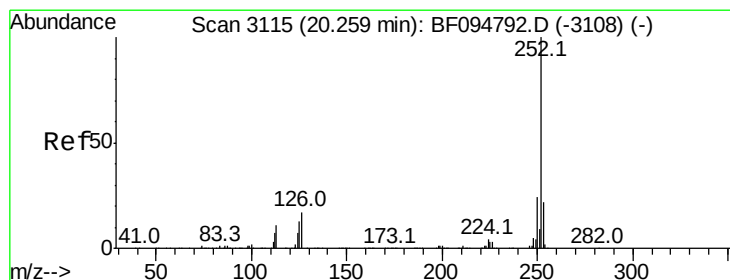
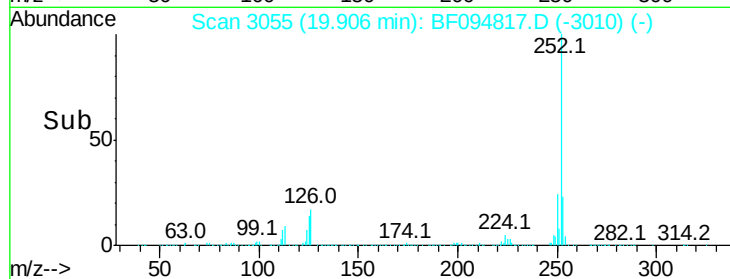
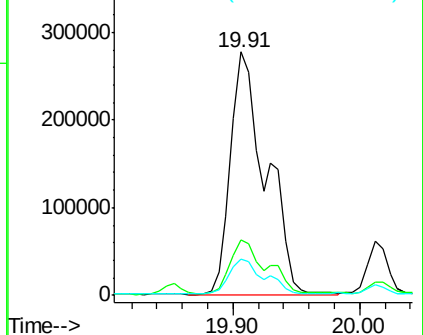


#88
Benzo(k)fluoranthene
Concen: 50.46 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tot Ion:252	Resp:	533691
Ion Ratio	Lower	Upper
252 100		
253 22.9	18.4	27.6
125 14.8	13.1	19.7

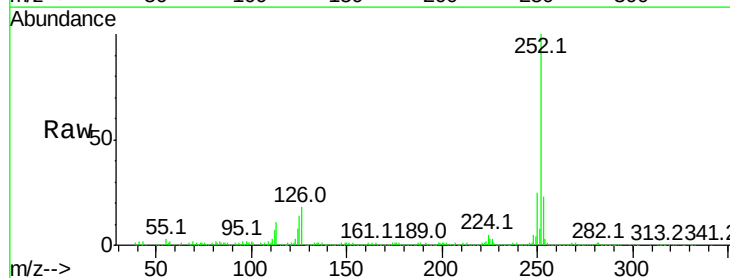


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

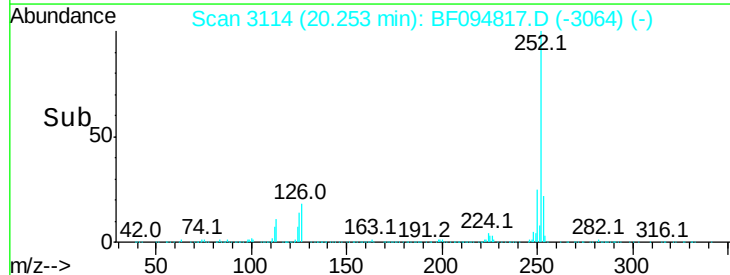
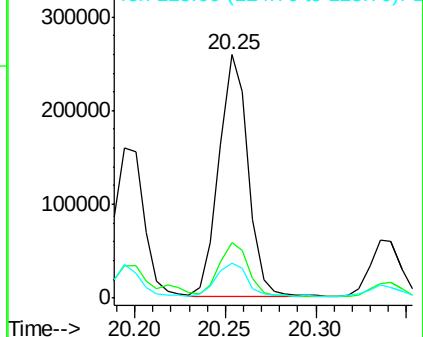


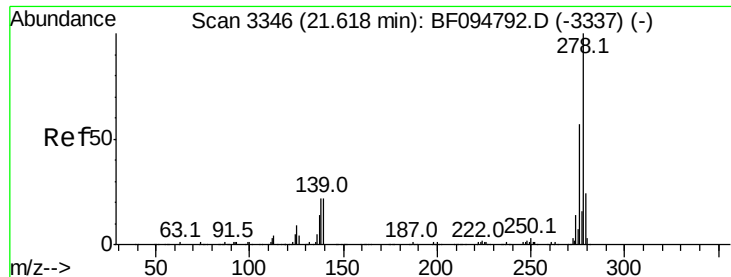
#89
Benzo(a)pyrene
Concen: 28.70 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094817.D
Acq: 3 May 2017 3:51

Tgt Ion:252	Resp:	290347
Ion Ratio	Lower	Upper
252 100		
253 22.8	17.5	26.3
125 14.5	11.0	16.4



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





#90

Dibenzo(a,h)anthracene

Concen: 2.93 ng

RT: 21.44 min Scan# 3315

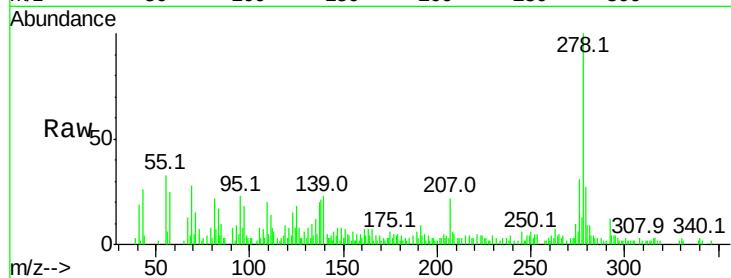
Delta R.T. -0.18 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

Tot Ion:278 Resp: 24497

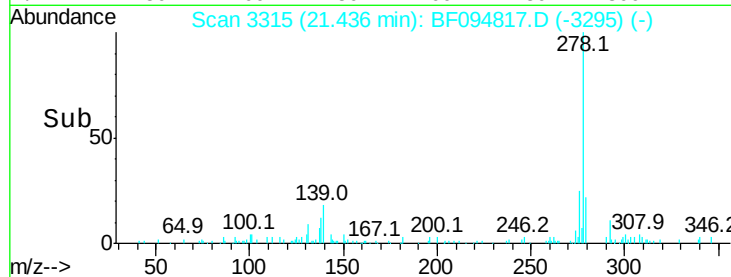
Ion	Ratio	Lower	Upper
278	100		
139	22.6	16.6	24.8
279	26.7	19.3	28.9



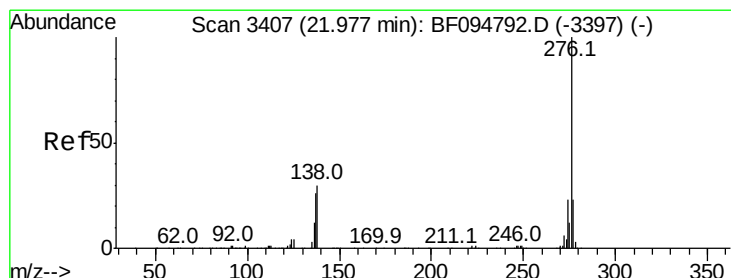
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(g,h,i)perylene

Concen: 14.83 ng

RT: 21.98 min Scan# 3407

Delta R.T. 0.00 min

Lab File: BF094817.D

Acq: 3 May 2017 3:51

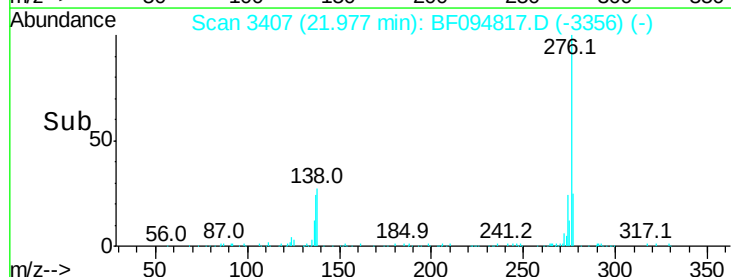
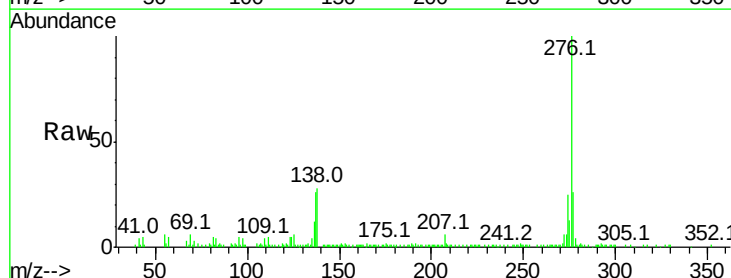
Tgt Ion:276 Resp: 121612

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	28.3	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



Time-->