

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050217\
 Data File : BF094812.D
 Acq On : 3 May 2017 1:12
 Operator : SJ/MA
 Sample : I2919-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 03 03:56:04 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	98158	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	377564	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	178438	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	300200	20.00	ng	0.00
75) Chrysene-d12	18.64	240	216154	20.00	ng	-0.01
86) Perylene-d12	20.31	264	207960	20.00	ng	0.00

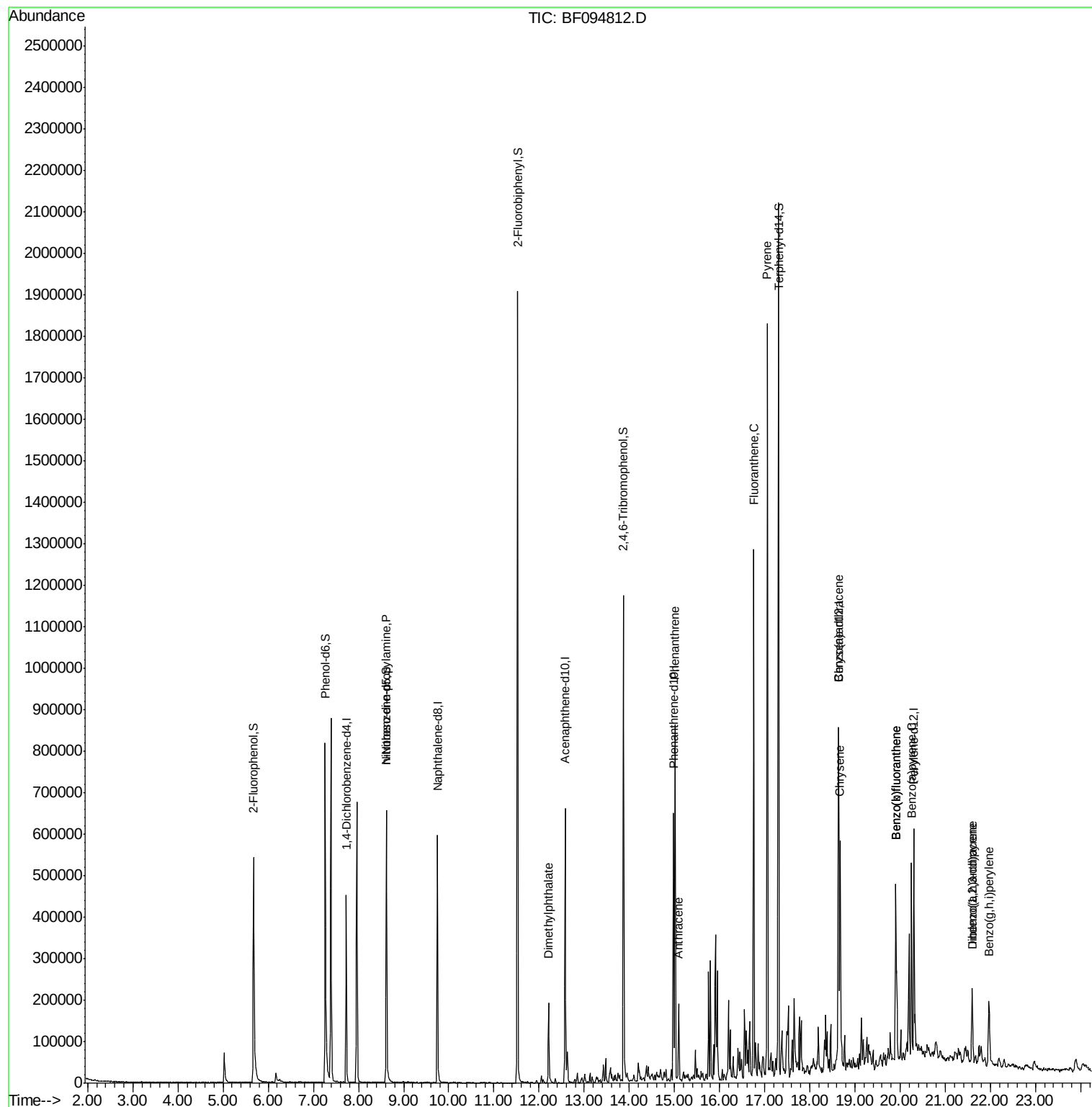
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	294722	50.06	ng	0.00
7) Phenol-d6	7.26	99	449197	63.59	ng	-0.02
23) Nitrobenzene-d5	8.62	82	289659	48.38	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	180211	123.32	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	798096	64.38	ng	0.00
78) Terphenyl-d14	17.31	244	781586	79.64	ng	0.00

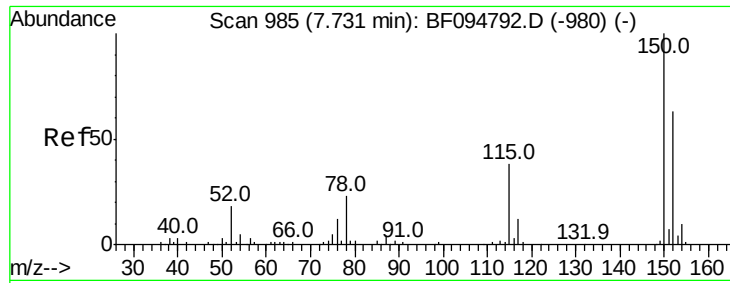
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	8.62	70	36665	7.67	ng	# 75
49) Dimethylphthalate	12.21	163	117004	7.99	ng	99
70) Phenanthrene	15.01	178	420595	24.38	ng	97
71) Anthracene	15.09	178	97416	5.53	ng	97
74) Fluoranthene	16.76	202	661467	37.38	ng	97
77) Pyrene	17.06	202	836893	51.77	ng	97
80) Benzo(a)anthracene	18.63	228	260161	20.68	ng	98
82) Chrysene	18.67	228	253808	20.87	ng	99
85) Indeno(1,2,3-cd)pyrene	21.59	276	104160	10.54	ng	93
87) Benzo(b)fluoranthene	19.90	252	302448	23.54	ng	96
88) Benzo(k)fluoranthene	19.90	252	302448	24.40	ng	96
89) Benzo(a)pyrene	20.25	252	199316	16.81	ng	98
90) Dibenzo(a,h)anthracene	21.61	278	27635	2.82	ng	99
91) Benzo(g,h,i)perylene	21.97	276	106648	11.10	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: BF094812.D

Acq: 3 May 2017 1:12

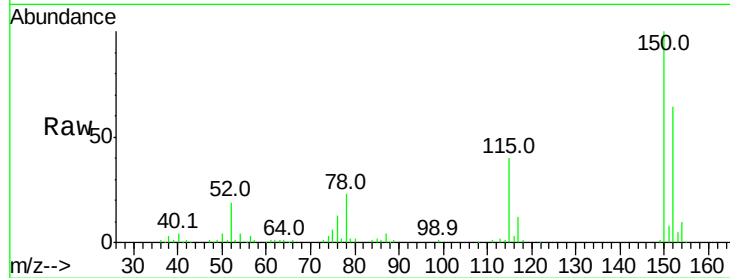
Tot Ion:152 Resp: 98158

Ion Ratio Lower Upper

152 100

150 155.3 126.2 189.2

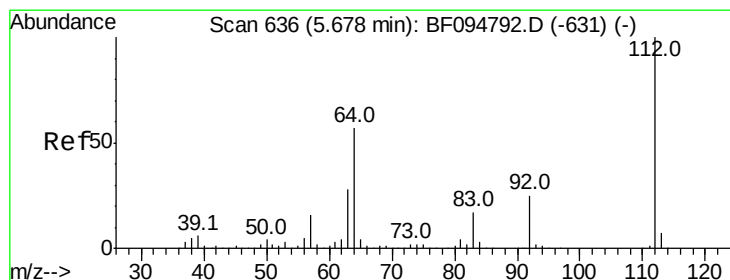
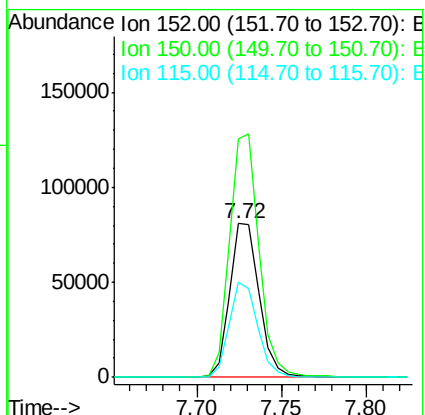
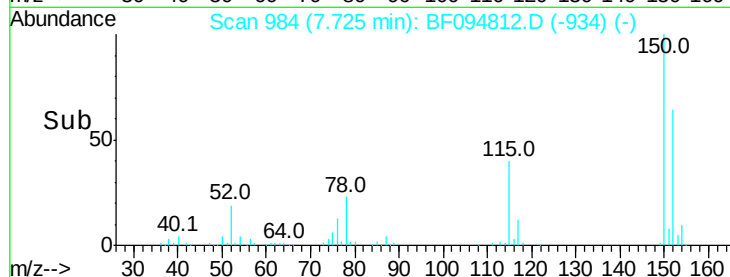
115 62.0 52.2 78.2



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: 50.06 ng

RT: 5.68 min Scan# 636

Delta R.T. -0.00 min

Lab File: BF094812.D

Acq: 3 May 2017 1:12

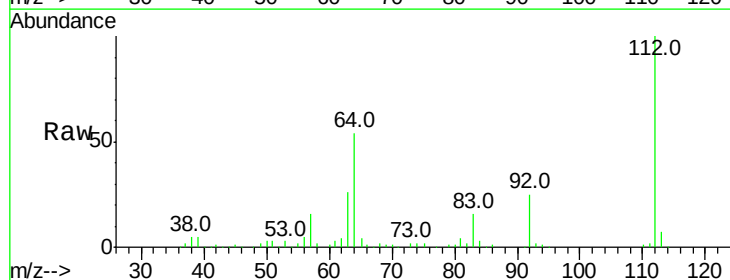
Tgt Ion:112 Resp: 294722

Ion Ratio Lower Upper

112 100

64 53.8 46.0 69.0

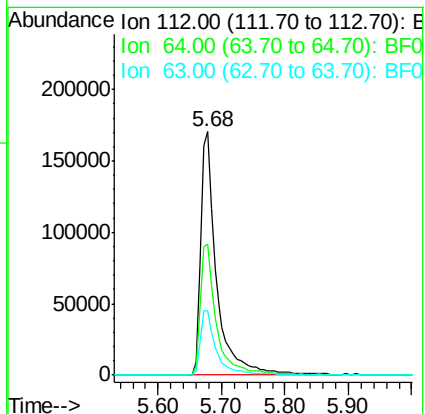
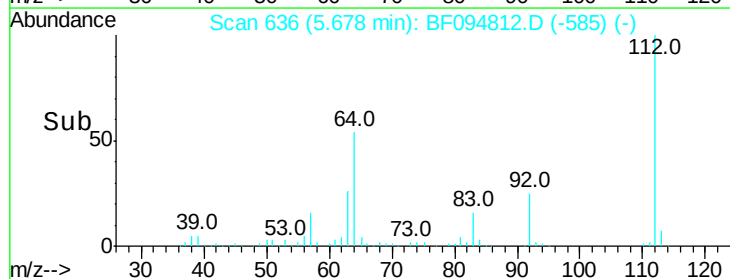
63 26.3 23.4 35.0

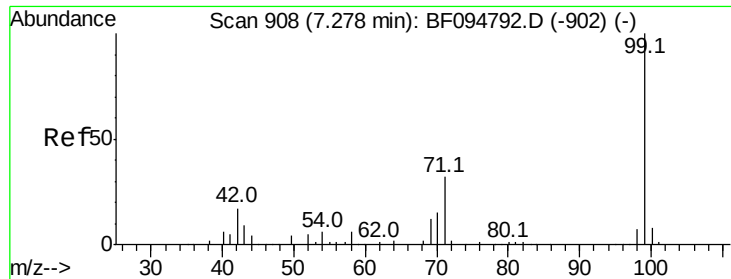


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 63.59 ng

RT: 7.26 min Scan# 905

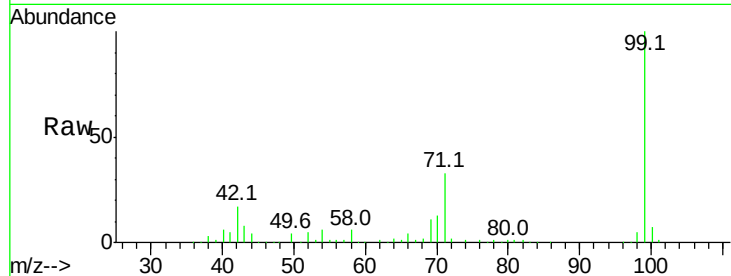
Delta R.T. -0.02 min

Lab File: BF094812.D

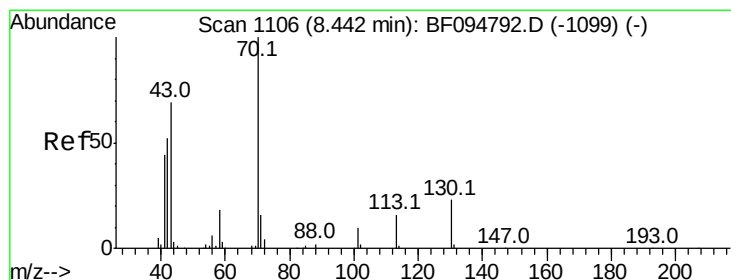
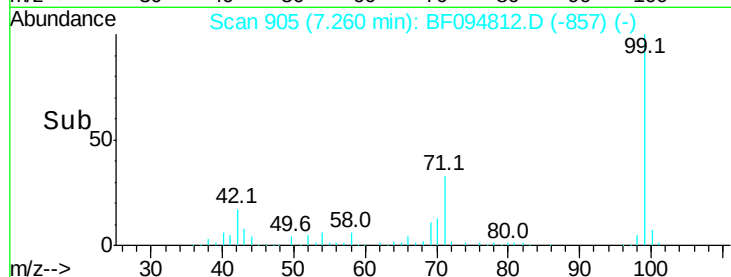
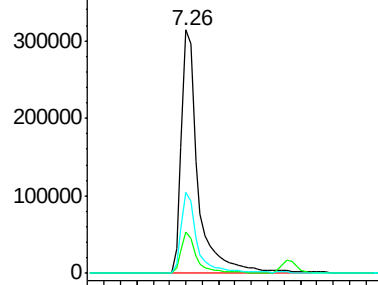
Acq: 3 May 2017 1:12

Tot Ion: 99 Resp: 449197

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.5	20.3
71	33.2	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: 7.67 ng

RT: 8.62 min Scan# 1136

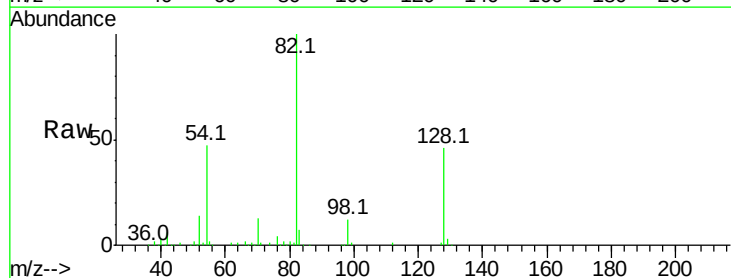
Delta R.T. 0.18 min

Lab File: BF094812.D

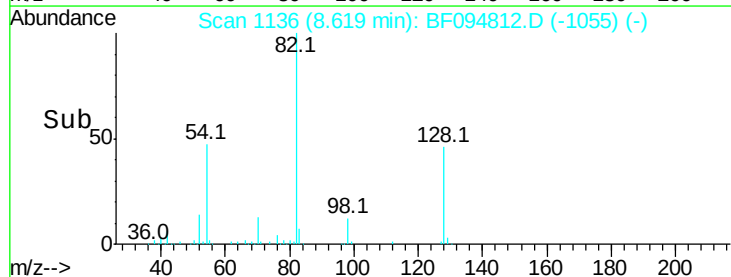
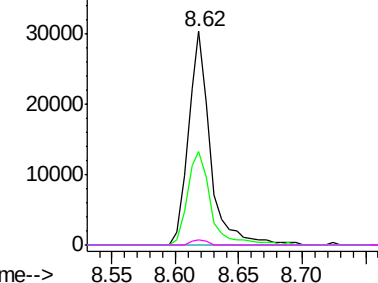
Acq: 3 May 2017 1:12

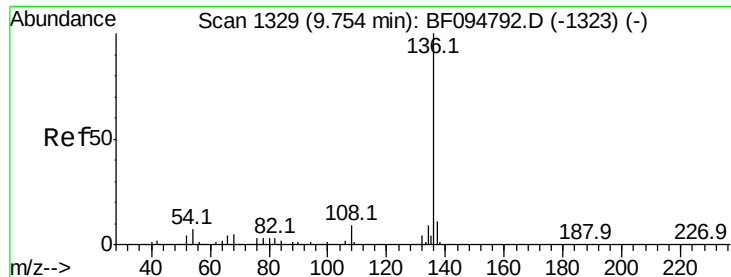
Tgt Ion: 70 Resp: 36665

Ion	Ratio	Lower	Upper
70	100		
42	43.6	47.2	70.8#
101	0.0	7.2	10.8#
130	2.6	15.9	23.9#



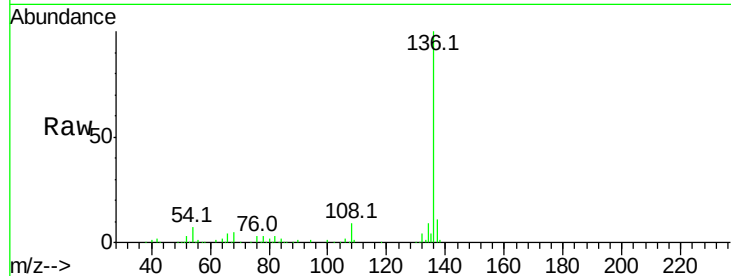
Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0



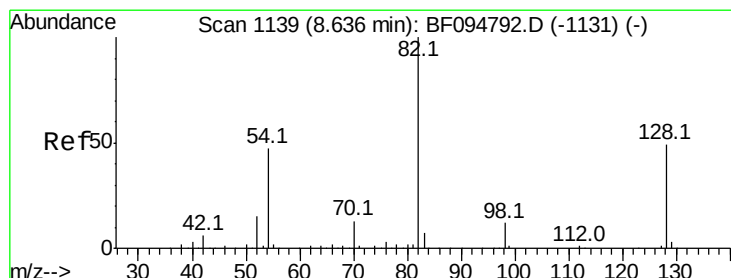
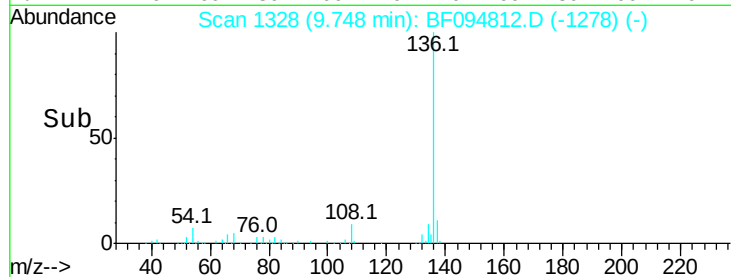
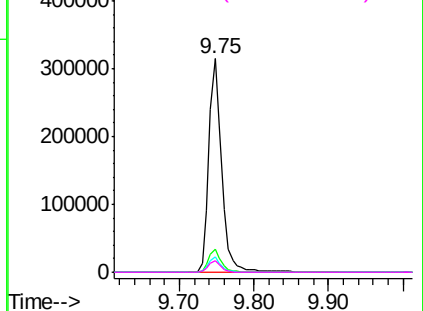


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tot Ion:136	Resp:	377564
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.5	12.7
54 7.0	4.9	7.3
68 5.3	4.1	6.1

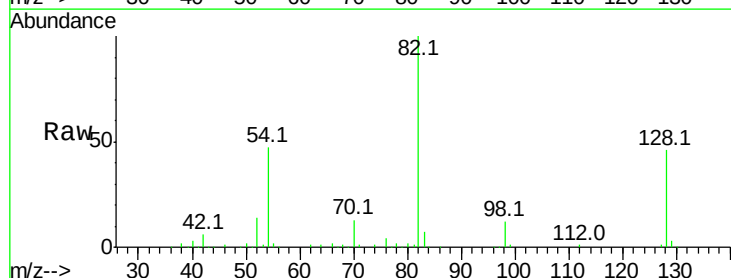


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

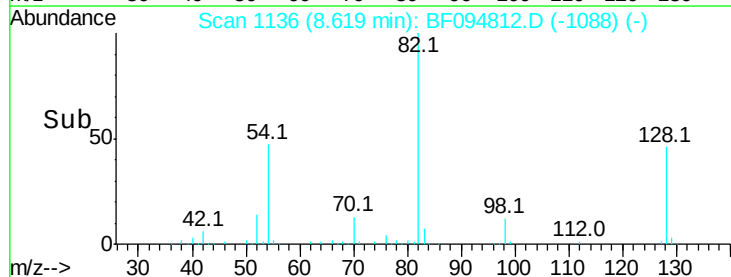
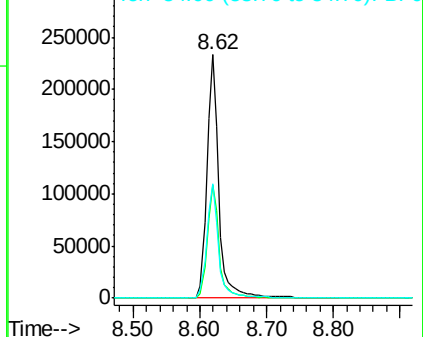


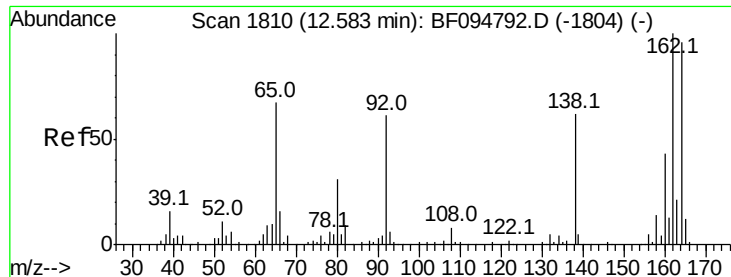
#23
Nitrobenzene-d5
Concen: 48.38 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tgt	Ion: 82	Resp:	289659
Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	47.0	42.2	63.2



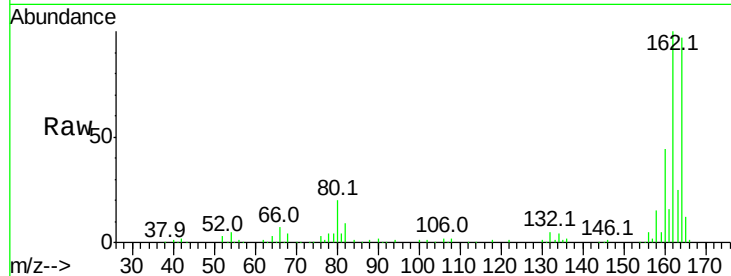
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



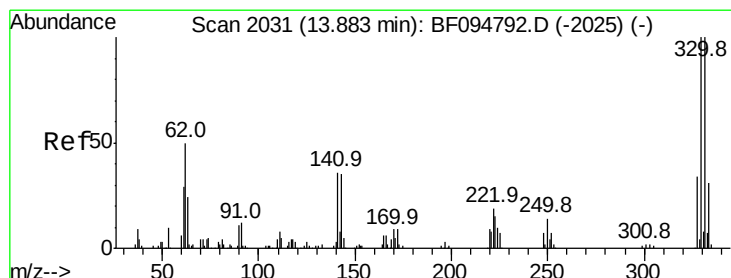
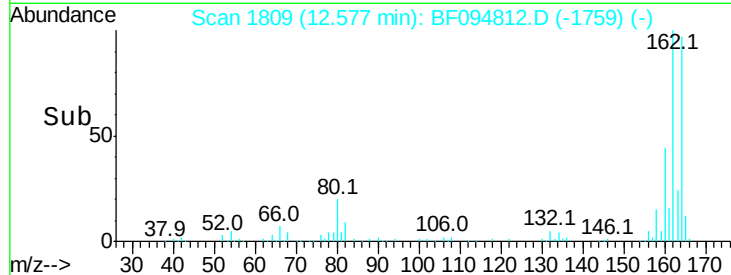
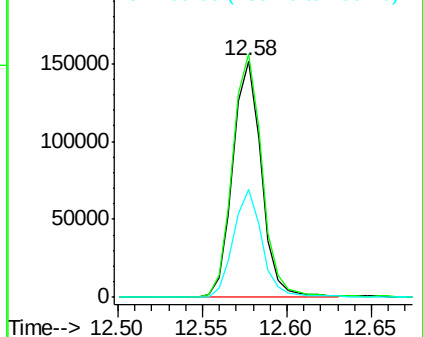


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.9	36.2	54.2

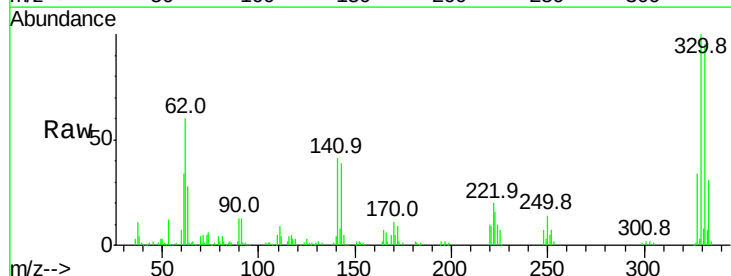


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

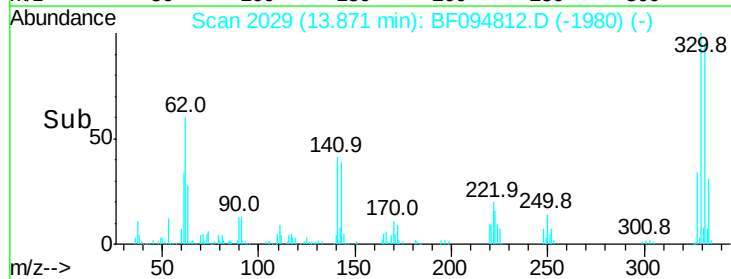
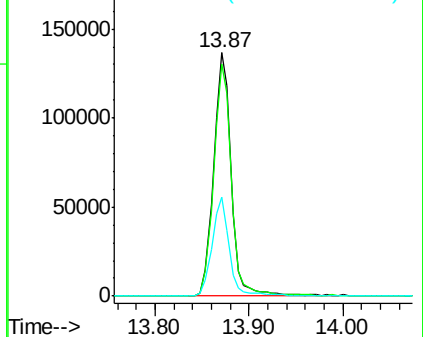


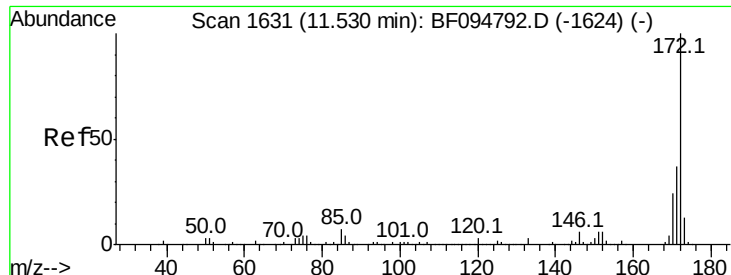
#41
2,4,6-Tribromophenol
Concen: 123.32 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	40.1	31.4	47.2



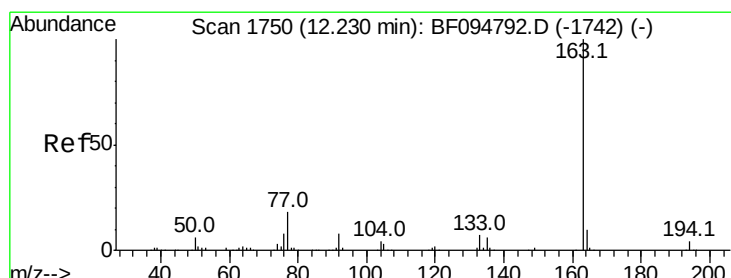
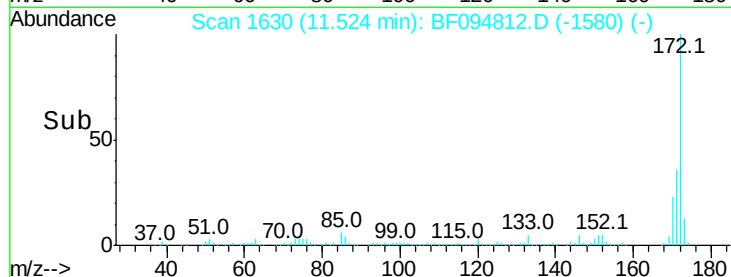
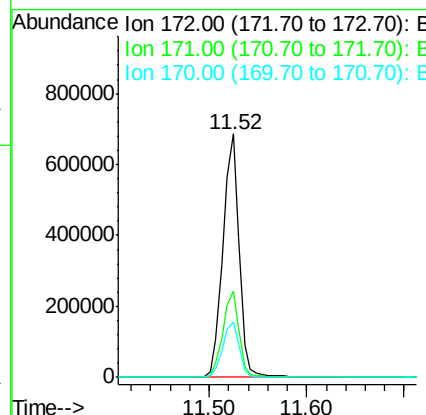
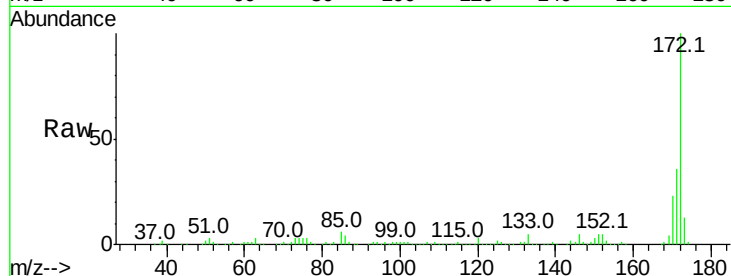
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





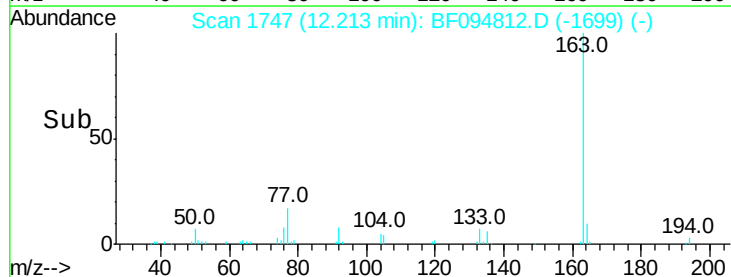
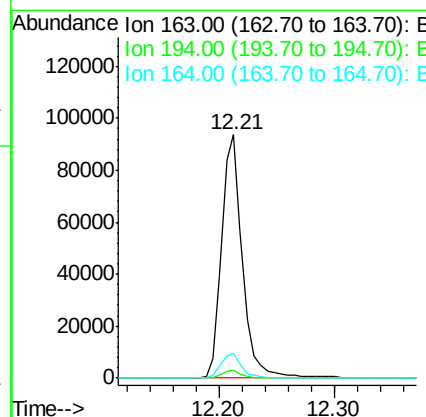
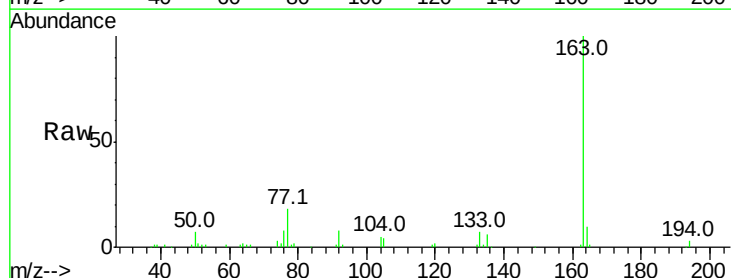
#44
2-Fluorobiphenyl
Concen: 64.38 ng
RT: 11.52 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

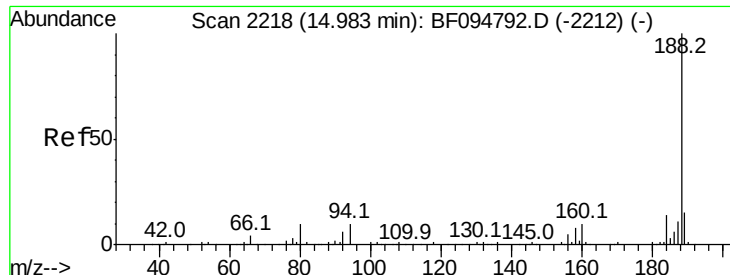
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.0	19.8	29.8



#49
Dimethylphthalate
Concen: 7.99 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

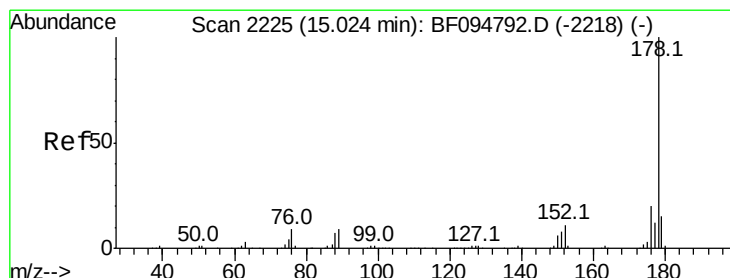
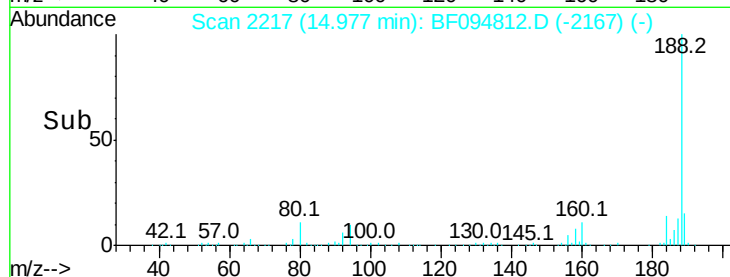
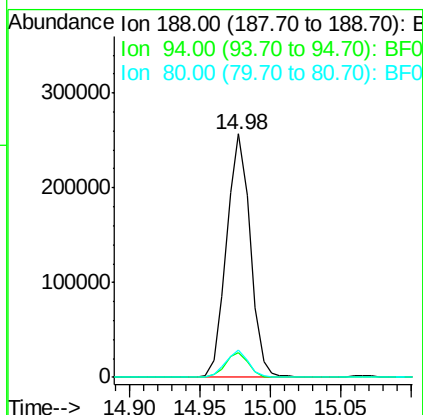
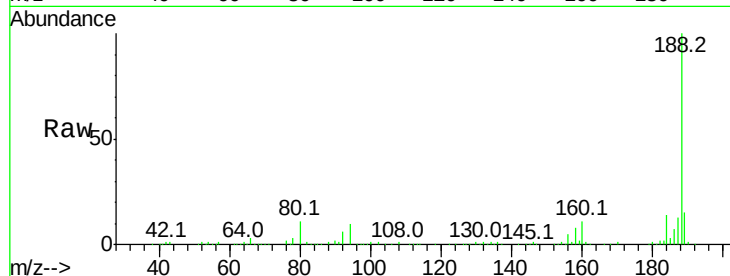
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6





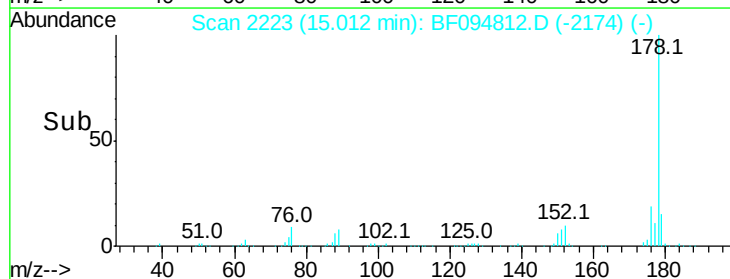
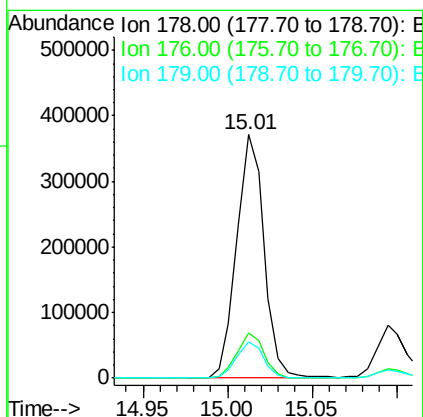
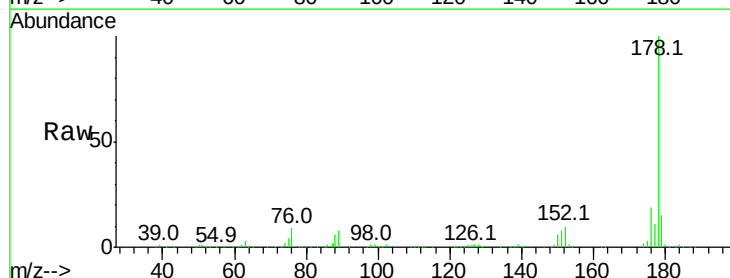
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.98 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF094812.D
 Acq: 3 May 2017 1:12

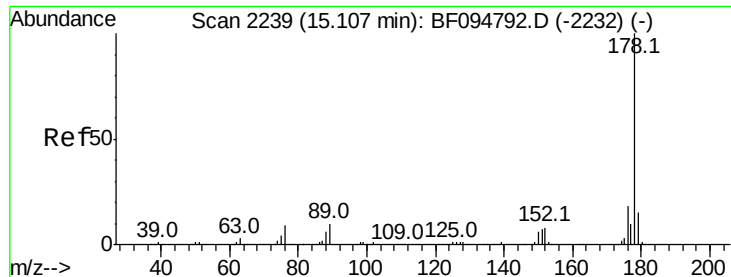
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	11.3	10.2	15.2



#70
 Phenanthrene
 Concen: 24.38 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF094812.D
 Acq: 3 May 2017 1:12

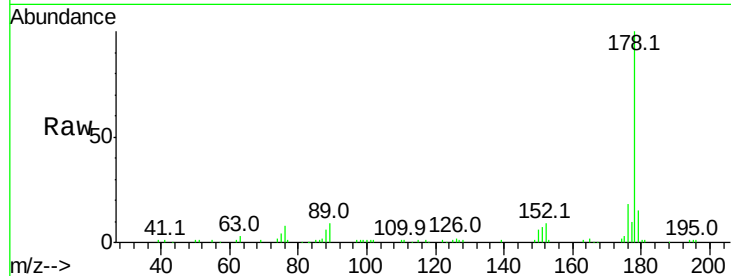
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.1	12.6	19.0



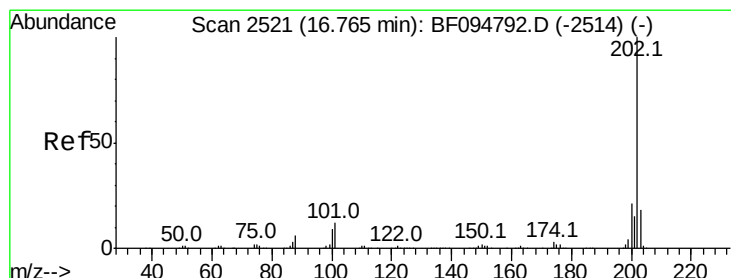
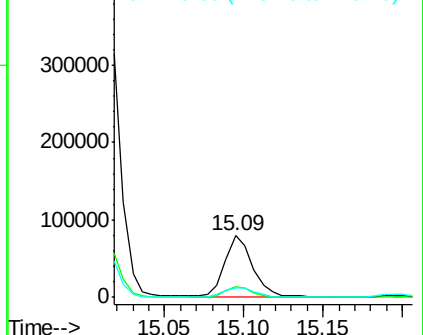
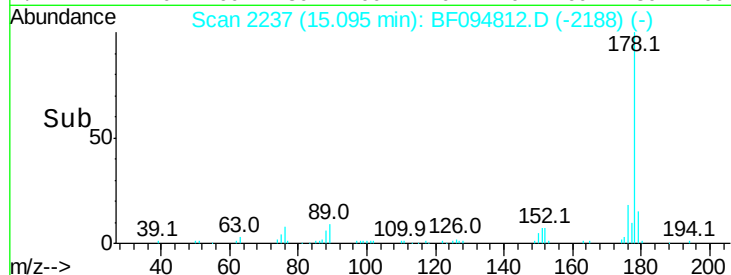


#71
 Anthracene
 Concen: 5.53 ng
 RT: 15.09 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF094812.D
 Acq: 3 May 2017 1:12

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.2	12.7	19.1

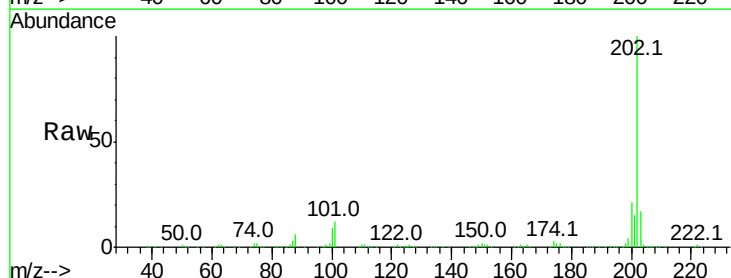


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

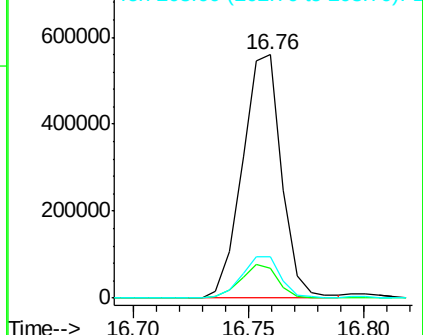
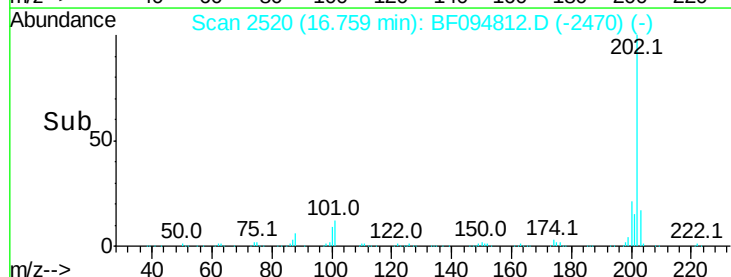


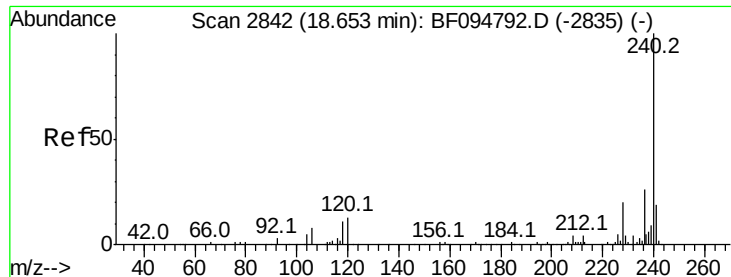
#74
 Fluoranthene
 Concen: 37.38 ng
 RT: 16.76 min Scan# 2520
 Delta R.T. -0.01 min
 Lab File: BF094812.D
 Acq: 3 May 2017 1:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	16.8	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

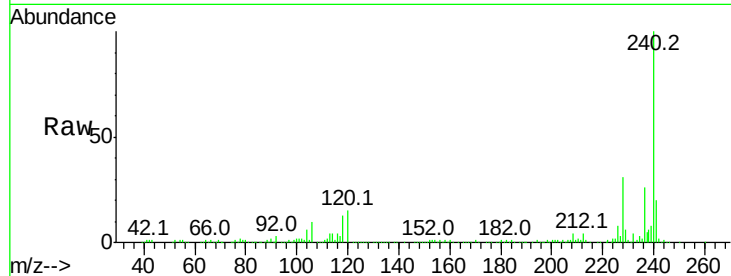
Delta R.T. -0.01 min

Lab File: BF094812.D

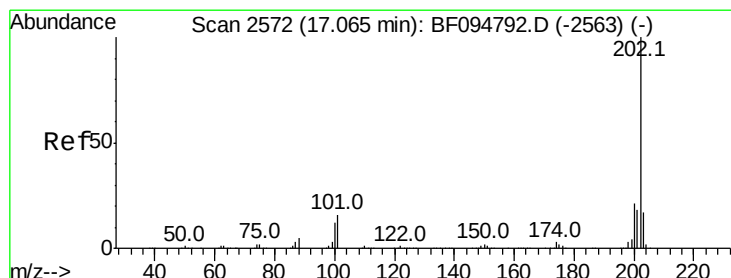
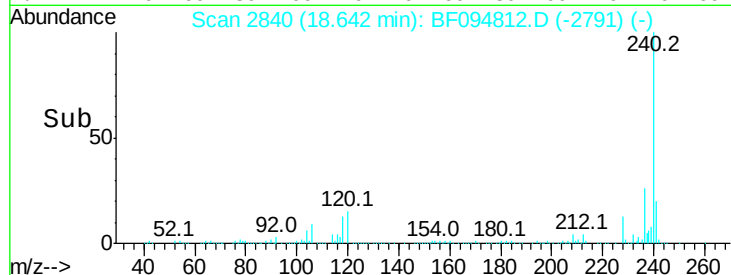
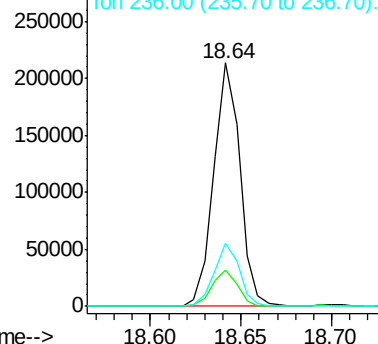
Acq: 3 May 2017 1:12

Tot Ion:240 Resp: 216154

Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	26.1	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



#77

Pyrene

Concen: 51.77 ng

RT: 17.06 min Scan# 2571

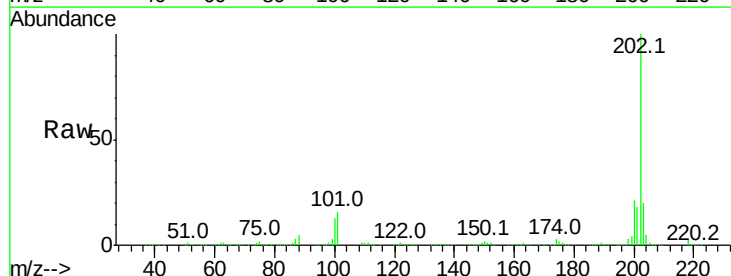
Delta R.T. -0.01 min

Lab File: BF094812.D

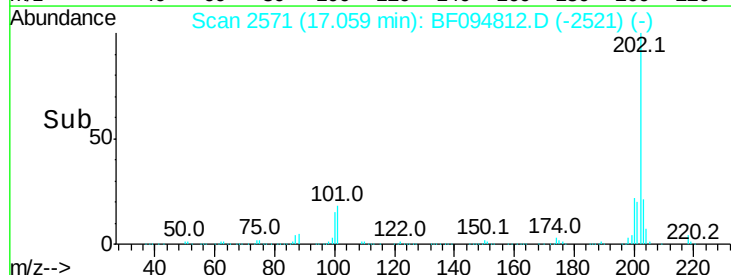
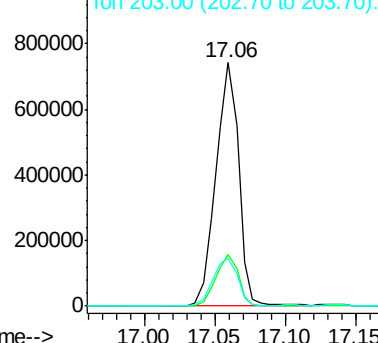
Acq: 3 May 2017 1:12

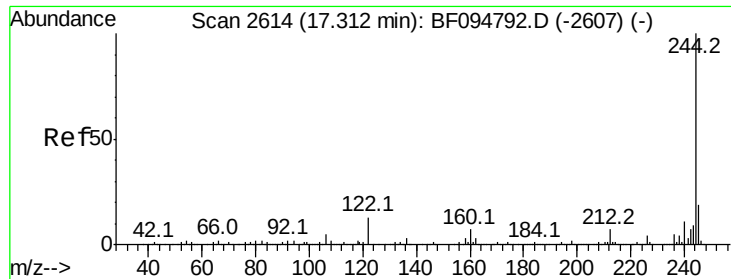
Tgt Ion:202 Resp: 836893

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	19.7	14.4	21.6



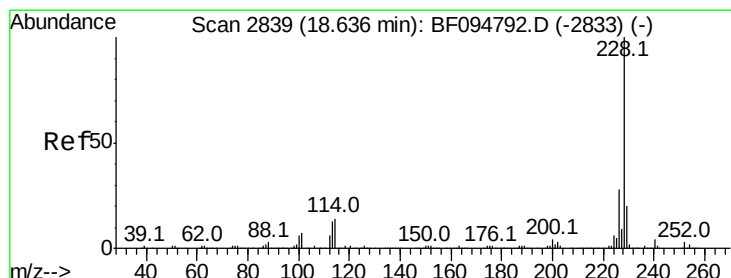
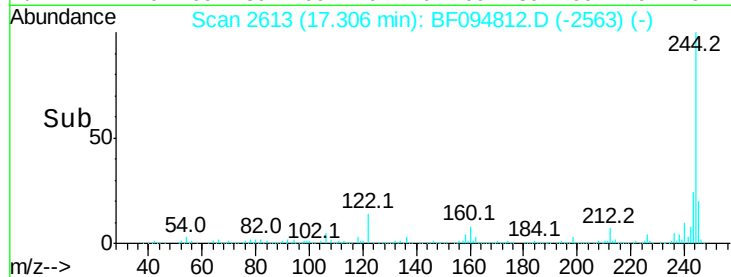
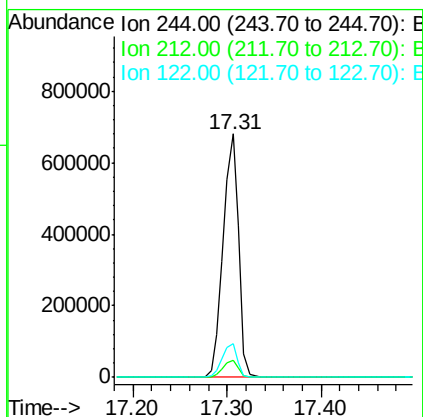
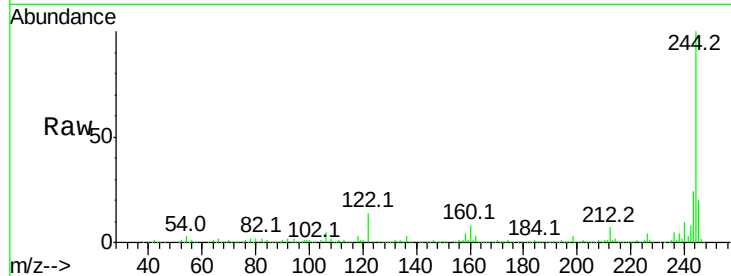
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





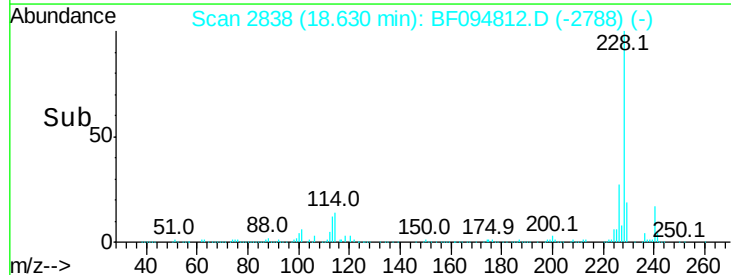
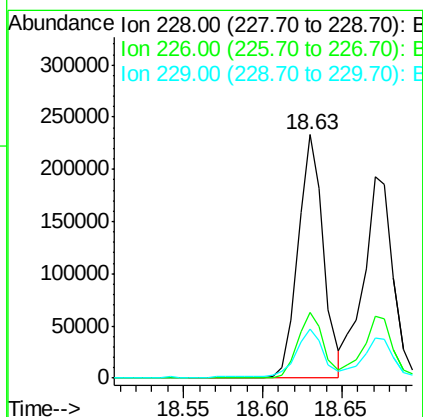
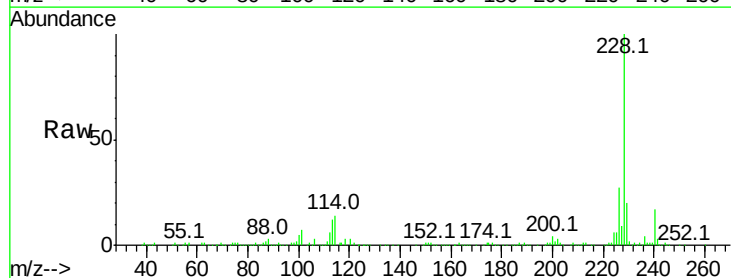
#78
 Terphenyl-d14
 Concen: 79.64 ng
 RT: 17.31 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BF094812.D
 Acq: 3 May 2017 1:12

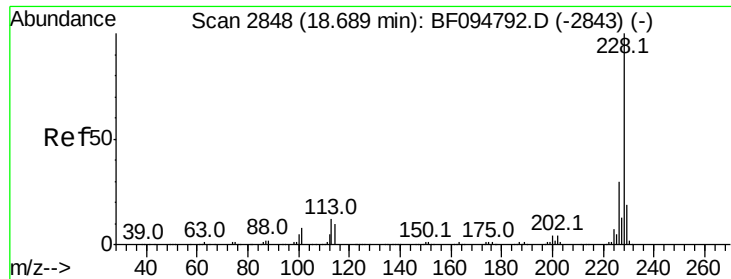
Tot Ion:244 Resp: 781586
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 20.68 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.01 min
 Lab File: BF094812.D
 Acq: 3 May 2017 1:12

Tgt Ion:228 Resp: 260161
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.6 33.8
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 20.87 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF094812.D

Acq: 3 May 2017 1:12

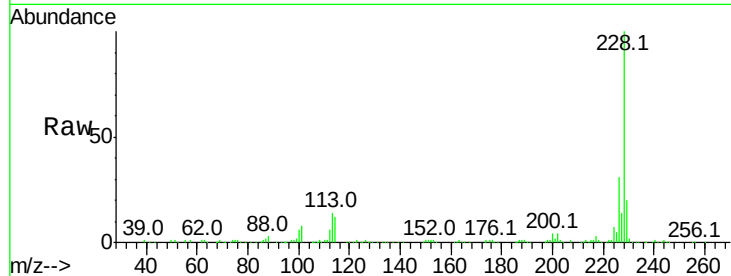
Tot Ion:228 Resp: 253808

Ion Ratio Lower Upper

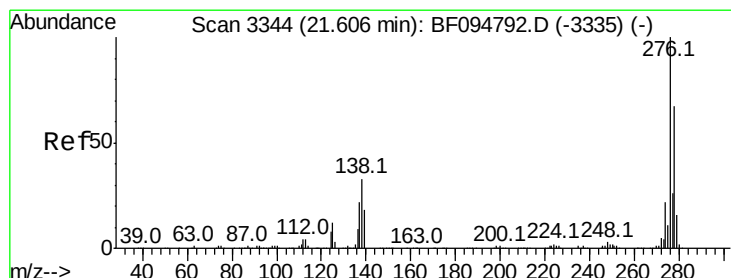
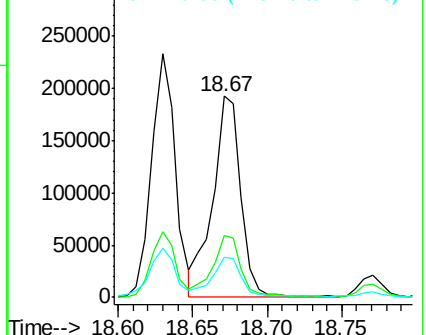
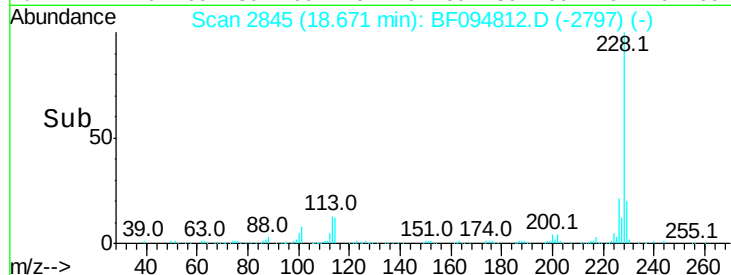
228 100

226 30.5 24.9 37.3

229 20.1 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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.54 ng

RT: 21.59 min Scan# 3342

Delta R.T. -0.01 min

Lab File: BF094812.D

Acq: 3 May 2017 1:12

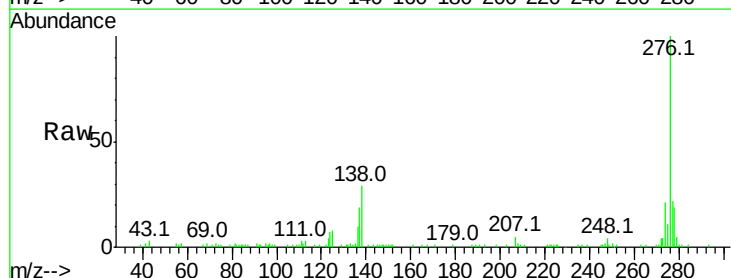
Tgt Ion:276 Resp: 104160

Ion Ratio Lower Upper

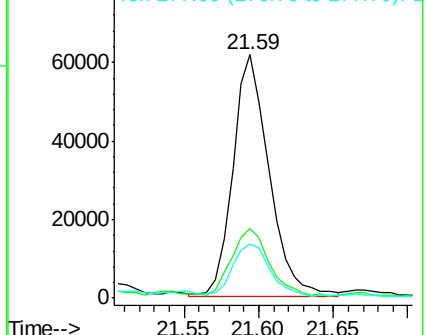
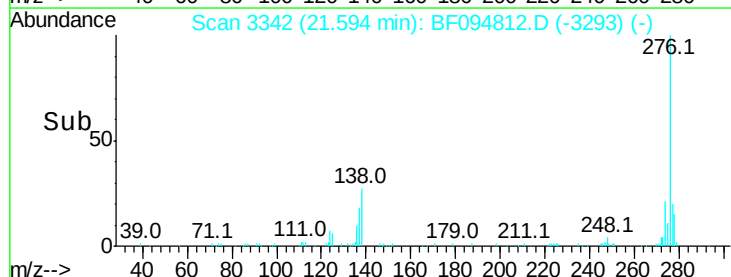
276 100

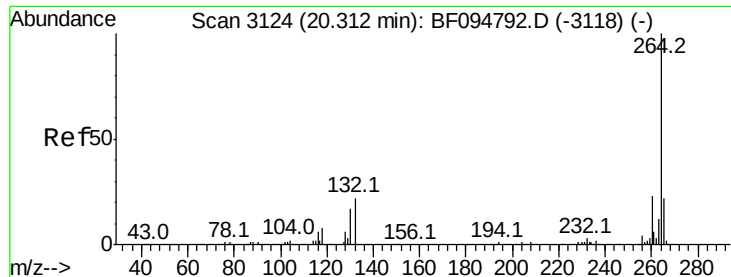
138 30.0 27.8 41.6

277 22.5 20.2 30.4



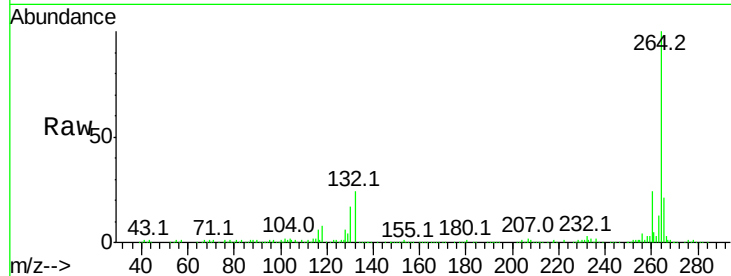
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



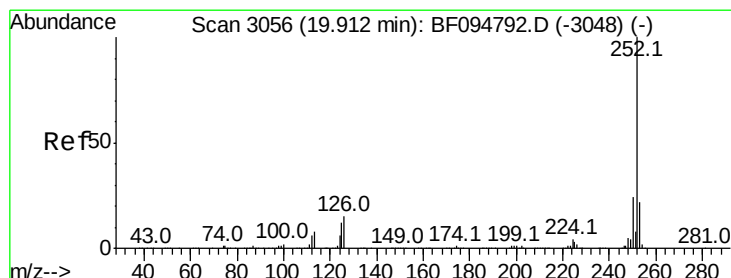
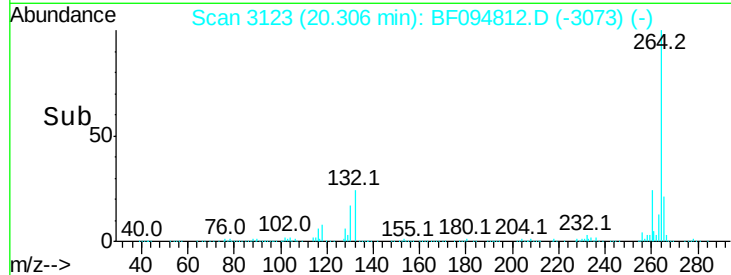
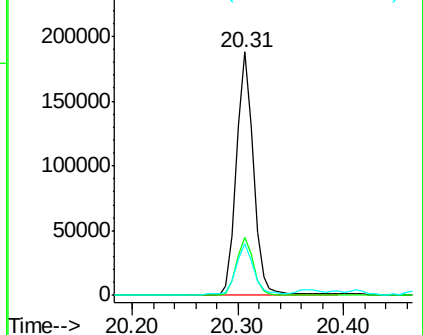


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.0	17.2	25.8

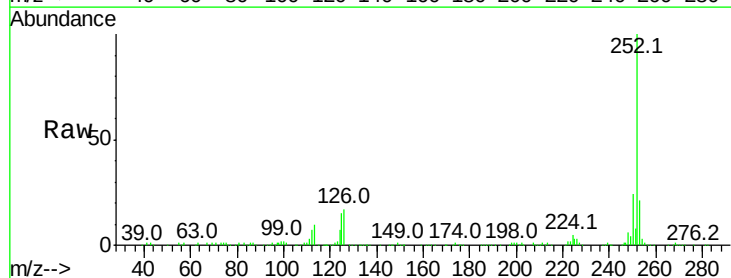


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

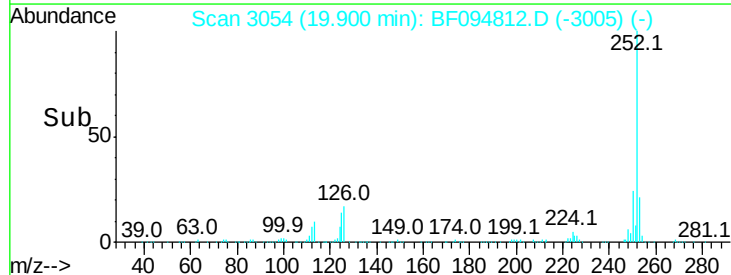
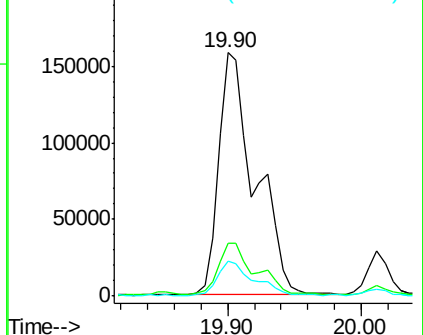


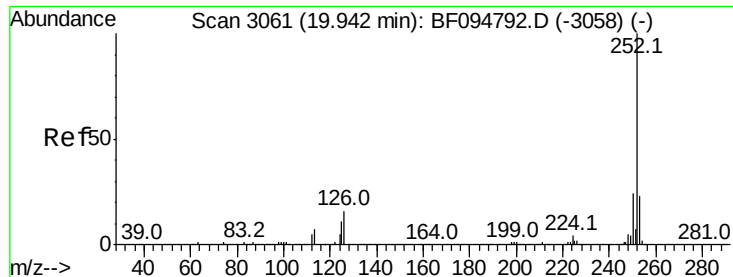
#87
Benzo(b)fluoranthene
Concen: 23.54 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	14.6	9.8	14.8



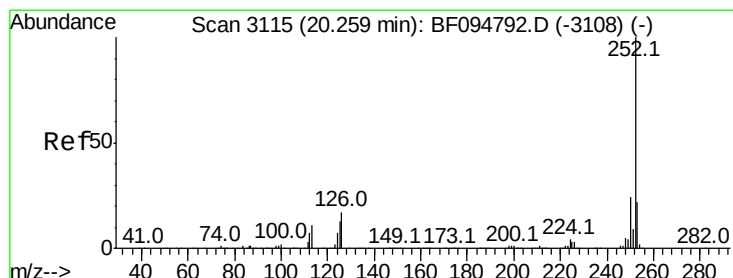
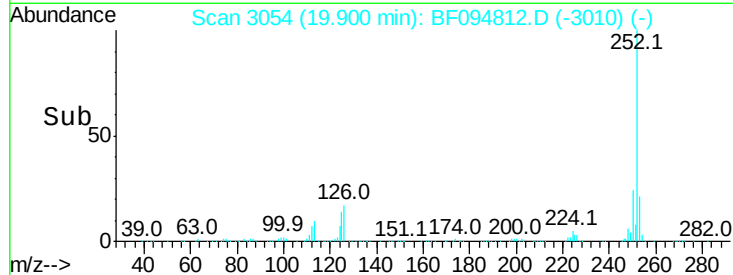
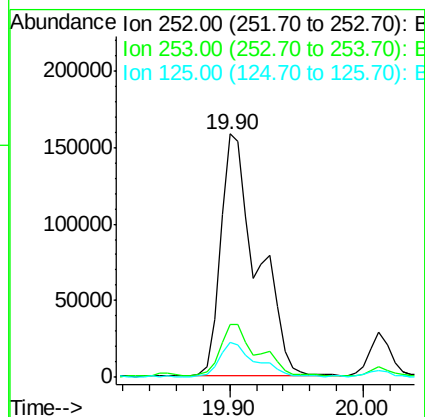
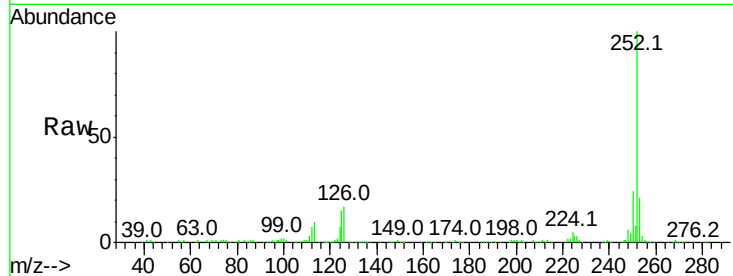
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





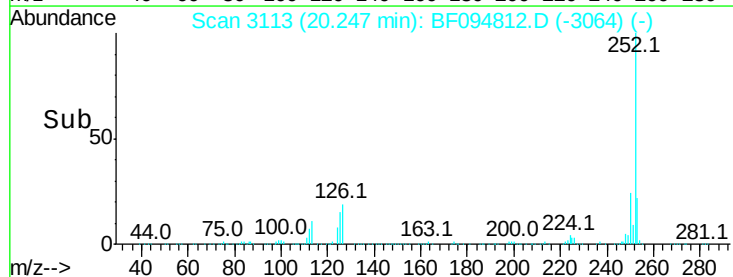
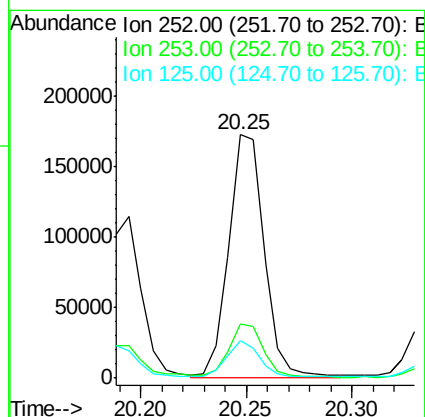
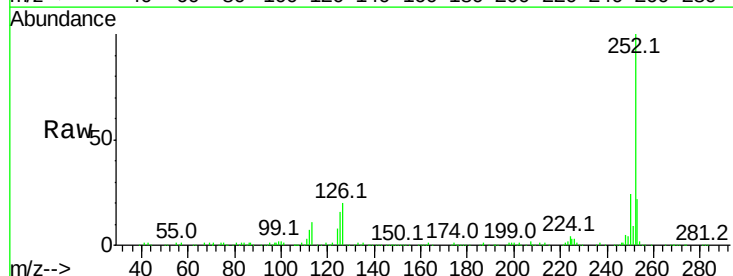
#88
Benzo(k)fluoranthene
Concen: 24.40 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

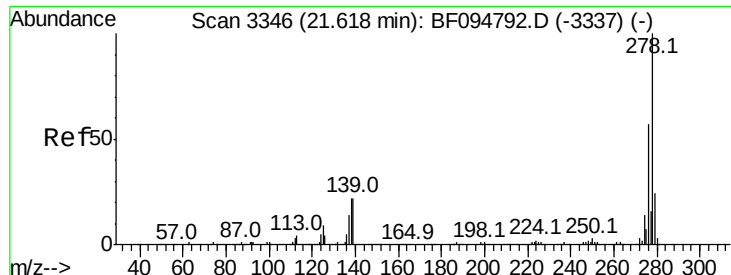
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	14.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 16.81 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094812.D
Acq: 3 May 2017 1:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	15.7	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.82 ng

RT: 21.61 min Scan# 3344

Delta R.T. -0.01 min

Lab File: BF094812.D

Acq: 3 May 2017 1:12

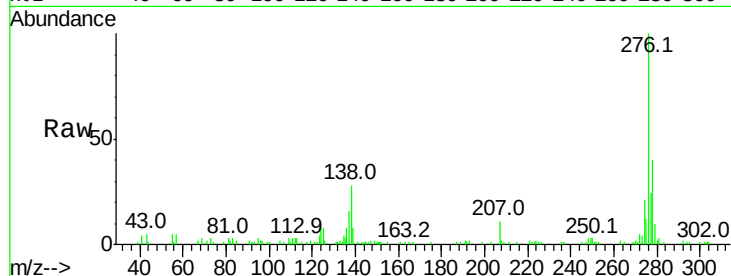
Tot Ion:278 Resp: 27635

Ion Ratio Lower Upper

278 100

139 20.2 16.6 24.8

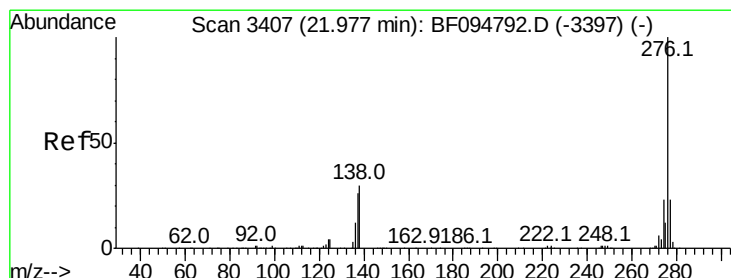
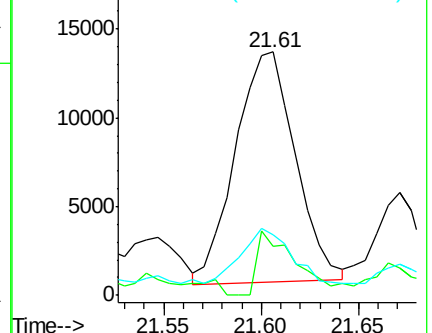
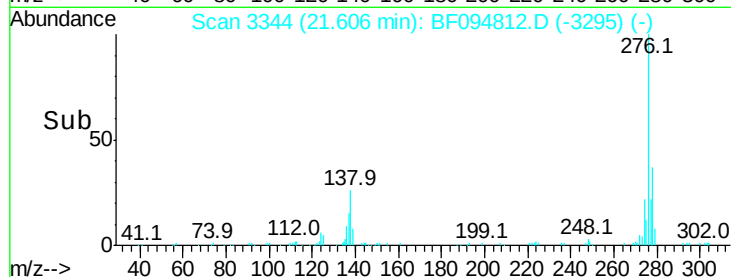
279 24.8 19.3 28.9



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



#91

Benzo(g,h,i)perylene

Concen: 11.10 ng

RT: 21.97 min Scan# 3406

Delta R.T. -0.01 min

Lab File: BF094812.D

Acq: 3 May 2017 1:12

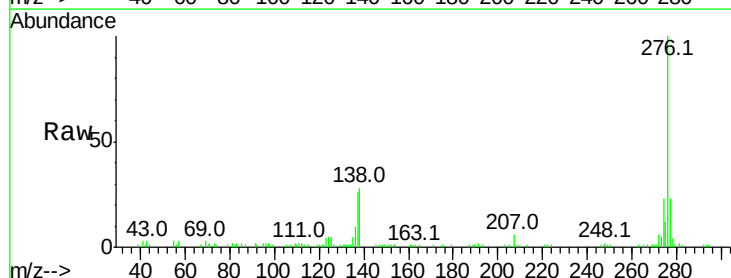
Tgt Ion:276 Resp: 106648

Ion Ratio Lower Upper

276 100

277 23.4 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

