

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
 Data File : BF095490.D
 Acq On : 27 May 2017 8:11
 Operator : SJ/MA
 Sample : I3339-03 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

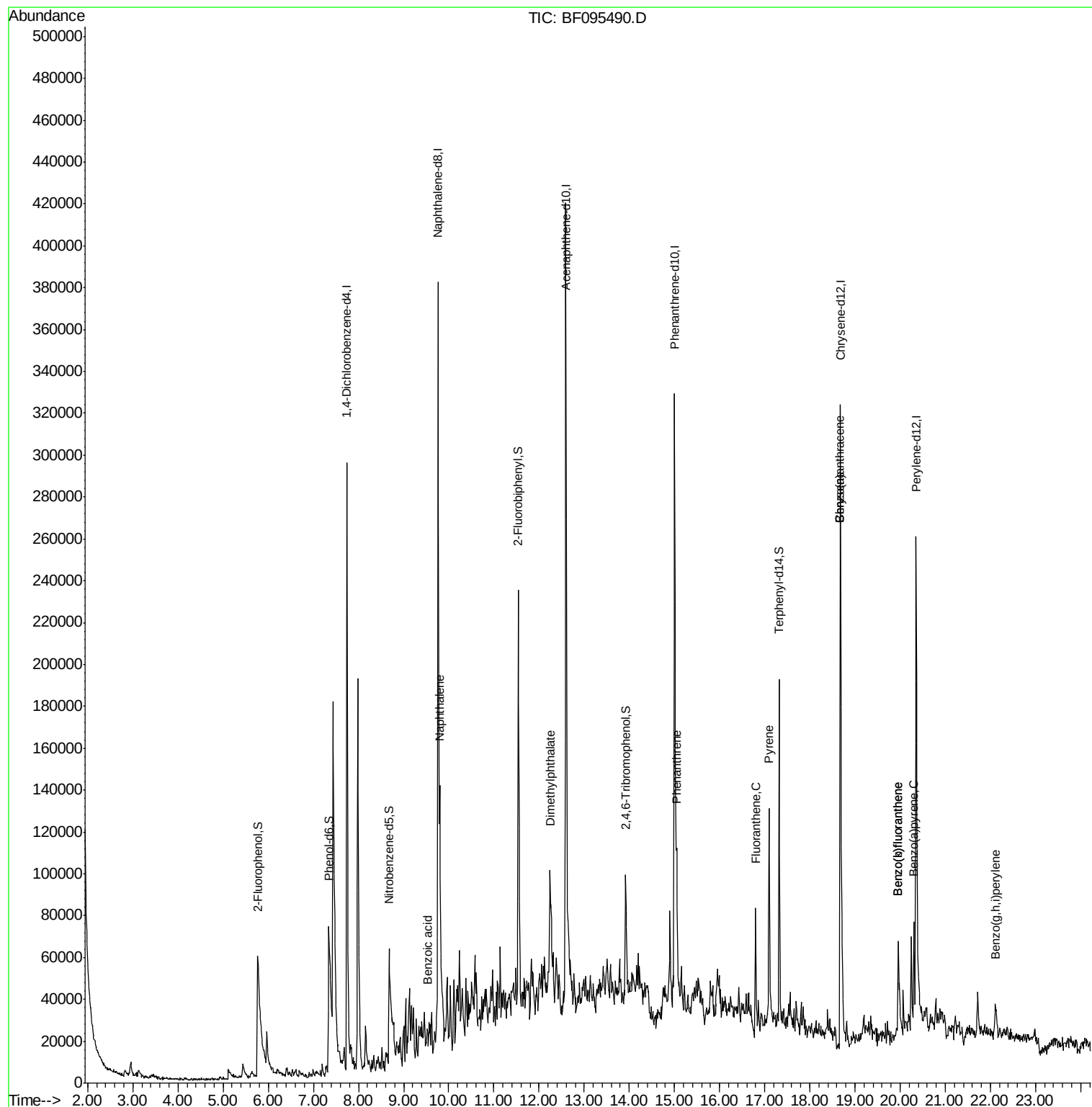
Quant Time: May 28 23:03:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

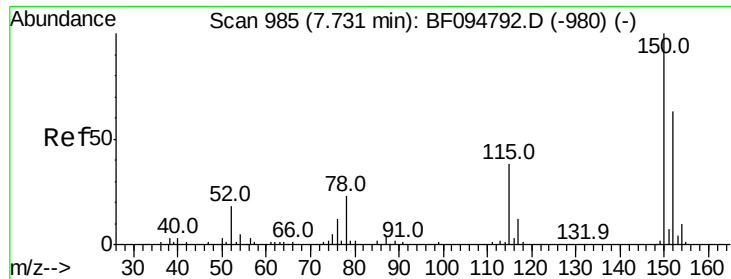
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	82137	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	323844	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	133197	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	196755	20.00	ng	0.00
75) Chrysene-d12	18.68	240	160662	20.00	ng	0.00
86) Perylene-d12	20.36	264	136668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	104313	21.17	ng	0.06
7) Phenol-d6	7.34	99	119888	20.28	ng	0.05
23) Nitrobenzene-d5	8.68	82	73966	14.40	ng	0.02
41) 2,4,6-Tribromophenol	13.92	330	17571	16.11	ng	0.02
44) 2-Fluorobiphenyl	11.54	172	131284	14.19	ng	0.00
78) Terphenyl-d14	17.32	244	73208	10.04	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.80	128	80773	4.96	ng	97
32) Benzoic acid	9.53	122	381	5.19	ng	95
49) Dimethylphthalate	12.24	163	60693	5.55	ng	96
70) Phenanthrene	15.05	178	41961	3.71	ng	98
74) Fluoranthene	16.79	202	40548	3.50	ng	96
77) Pyrene	17.09	202	63510	5.29	ng	96
80) Benzo(a)anthracene	18.67	228	19308	2.06	ng	98
82) Chrysene	18.67	228	19308	2.14	ng	96
87) Benzo(b)fluoranthene	19.96	252	36443	4.32	ng	# 94
88) Benzo(k)fluoranthene	19.96	252	36443	4.47	ng	99
89) Benzo(a)pyrene	20.31	252	24649	3.16	ng	97
91) Benzo(a,h,i)perylene	22.11	276	17136	2.71	ng	94

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

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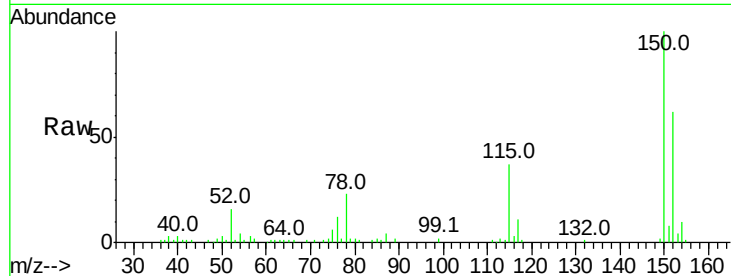




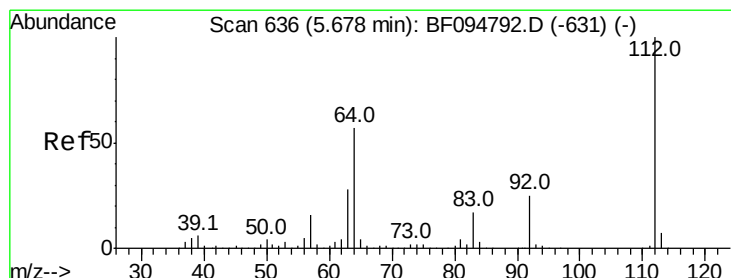
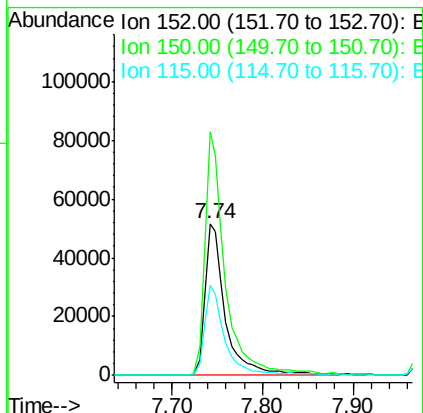
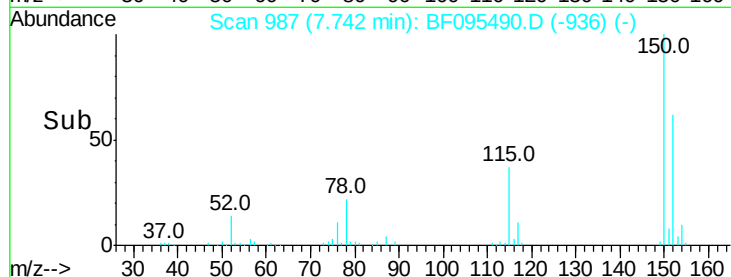
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.00 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	126.2	189.2
115	59.0	52.2	78.2



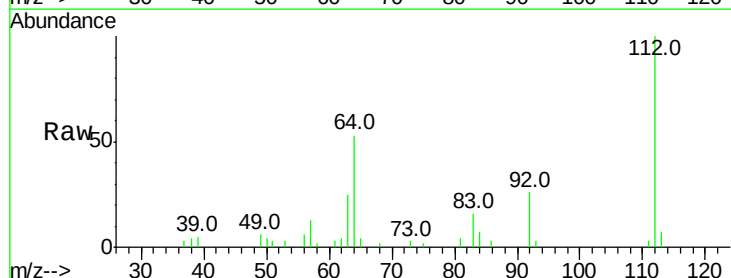
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



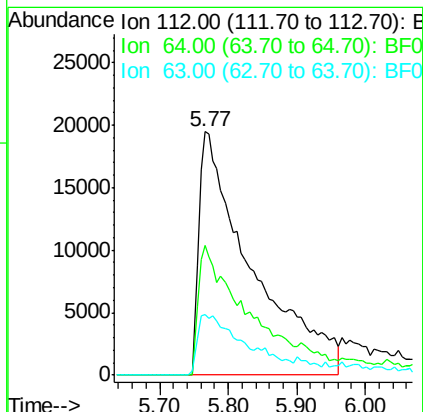
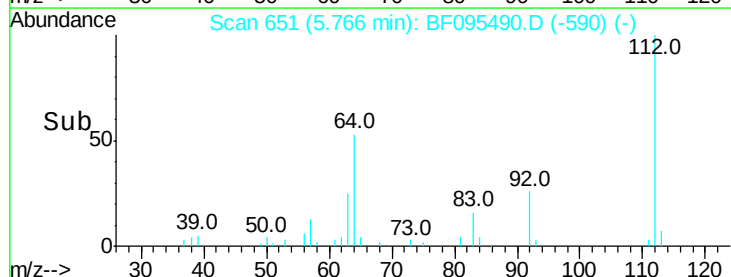
#5

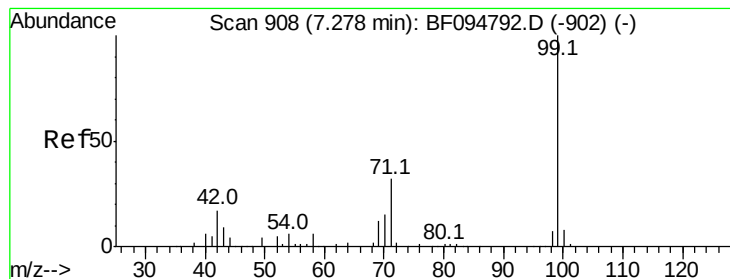
2-Fluorophenol
Concen: 21.17 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.06 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.0	69.0
63	24.7	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: 20.28 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.05 min

Lab File: BF095490.D

Acq: 27 May 2017 8:11

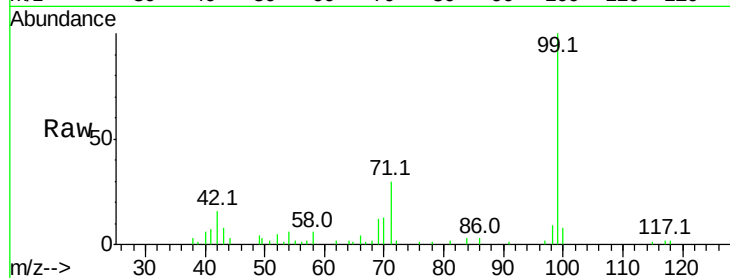
Tot Ion: 99 Resp: 119888

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

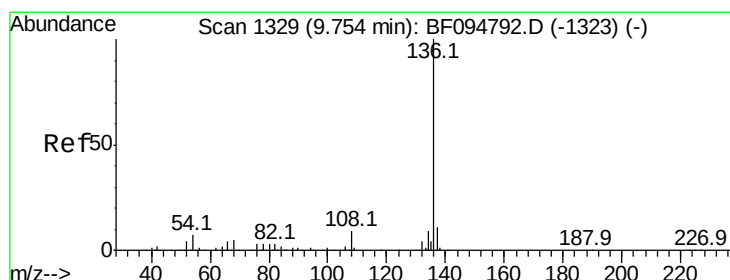
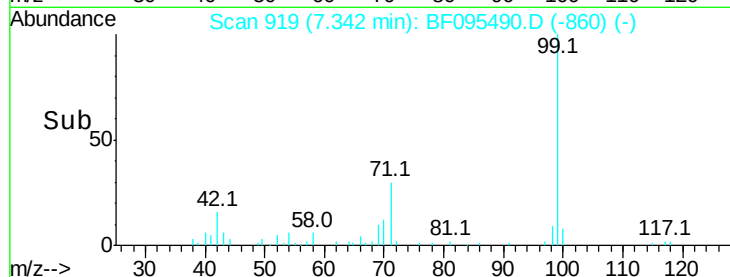
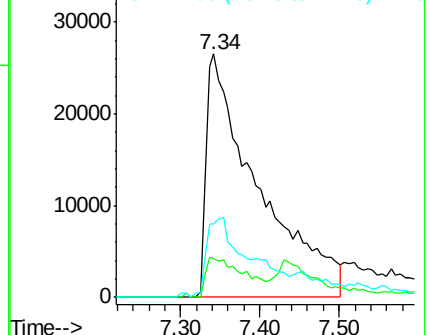
71 30.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF095490.D

Acq: 27 May 2017 8:11

Tgt Ion: 136 Resp: 323844

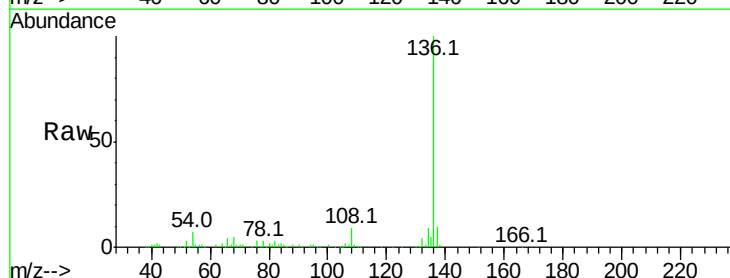
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.7 4.9 7.3

68 5.5 4.1 6.1

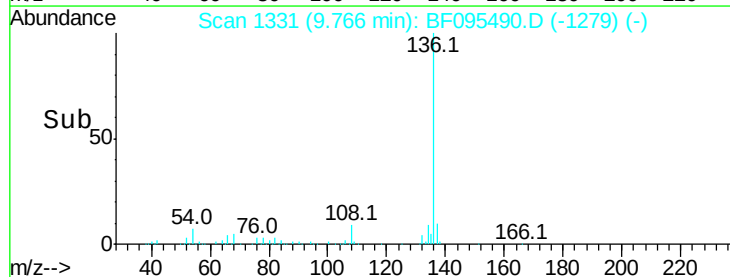
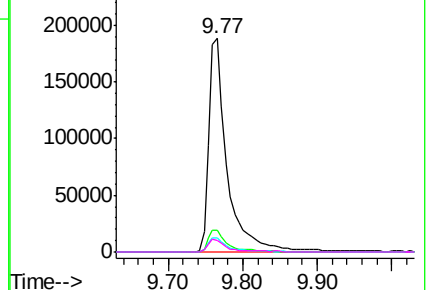


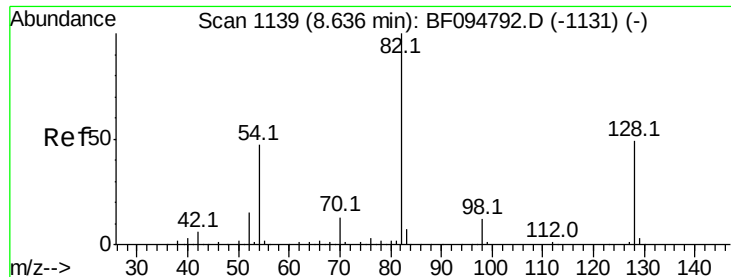
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 14.40 ng

RT: 8.68 min Scan# 1146

Delta R.T. 0.02 min

Lab File: BF095490.D

Acq: 27 May 2017 8:11

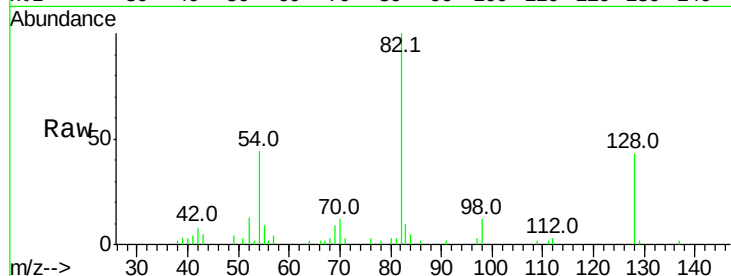
Tot Ion: 82 Resp: 73966

Ion Ratio Lower Upper

82 100

128 43.4 34.0 51.0

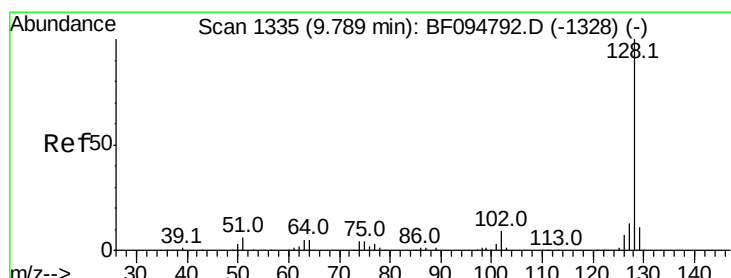
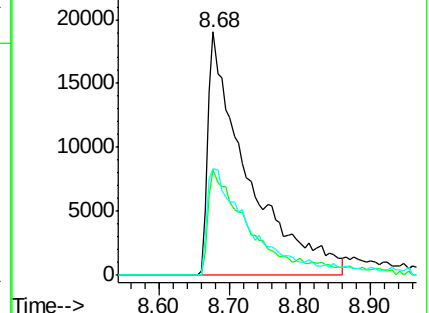
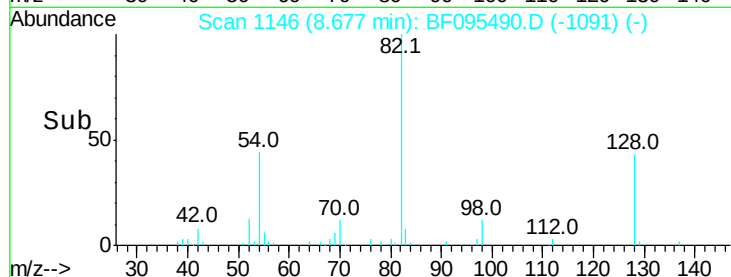
54 43.8 42.2 63.2



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



#31

Naphthalene

Concen: 4.96 ng

RT: 9.80 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BF095490.D

Acq: 27 May 2017 8:11

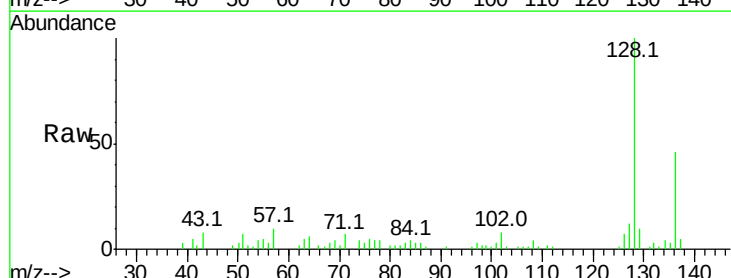
Tgt Ion: 128 Resp: 80773

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

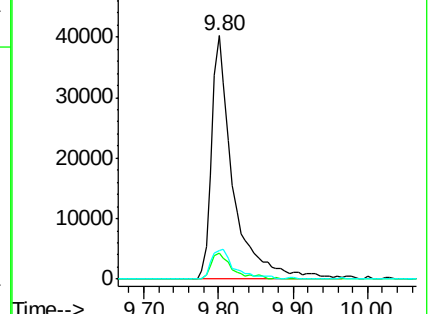
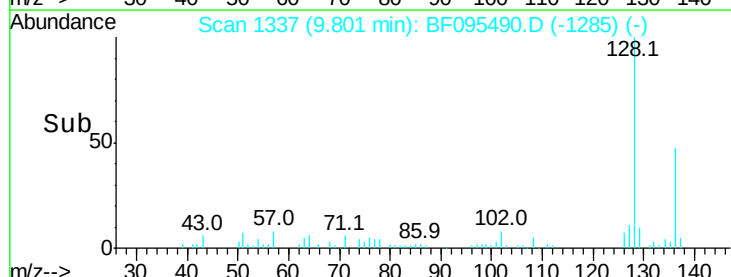
127 11.7 10.8 16.2

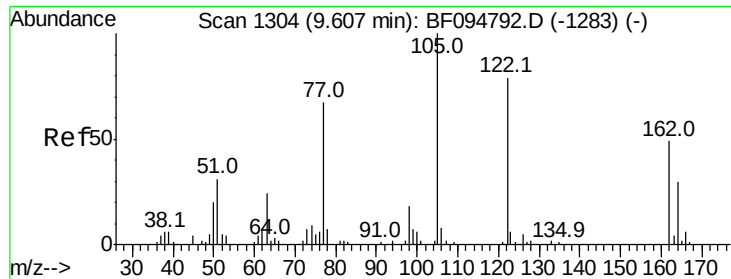


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 5.19 ng

RT: 9.53 min Scan# 1291

Delta R.T. -0.15 min

Lab File: BF095490.D

Acq: 27 May 2017 8:11

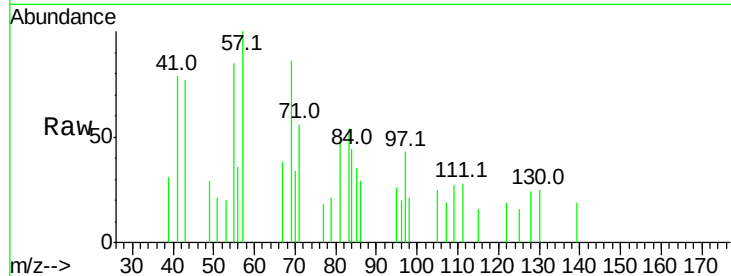
Tot Ion:122 Resp: 381

Ion Ratio Lower Upper

122 100

105 131.2 103.3 143.3

77 91.9 73.7 113.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

600

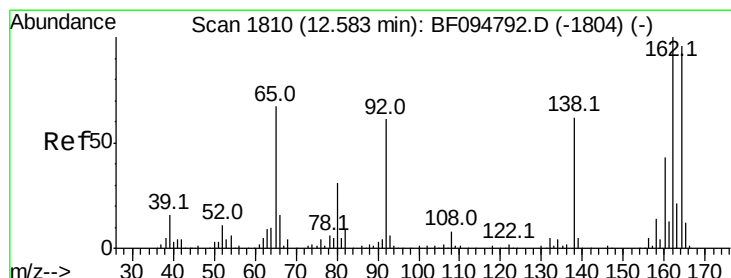
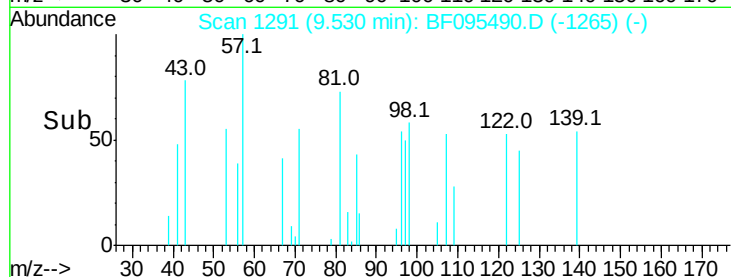
400

200

0

9.52 9.53 9.54 9.55 9.56

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095490.D

Acq: 27 May 2017 8:11

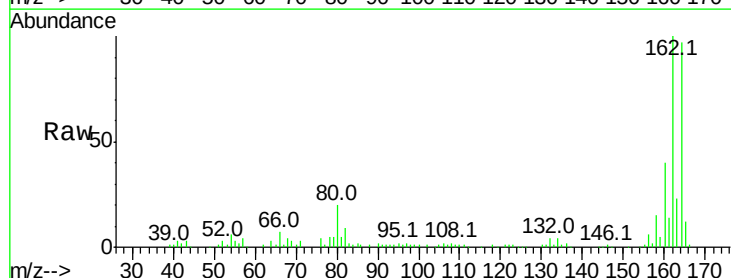
Tgt Ion:164 Resp: 133197

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

160 41.8 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

120000

100000

80000

60000

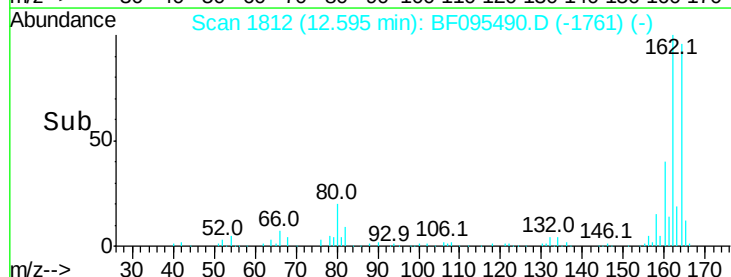
40000

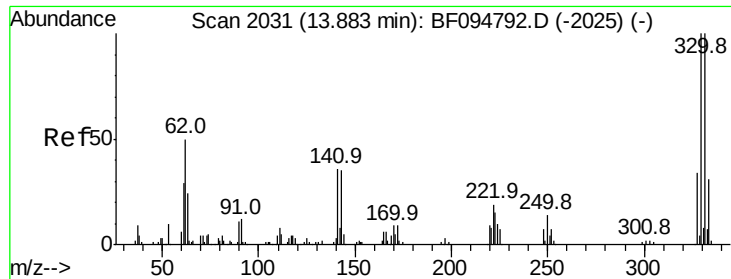
20000

0

12.55 12.59 12.63 12.67 12.71

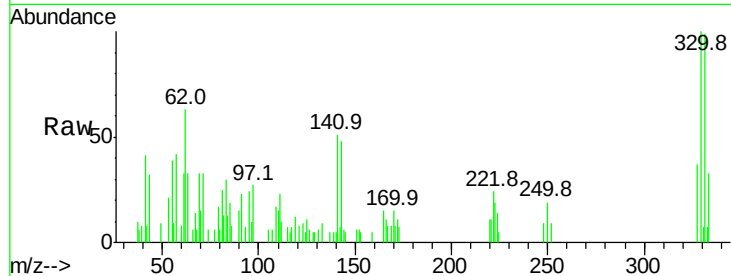
Time-->



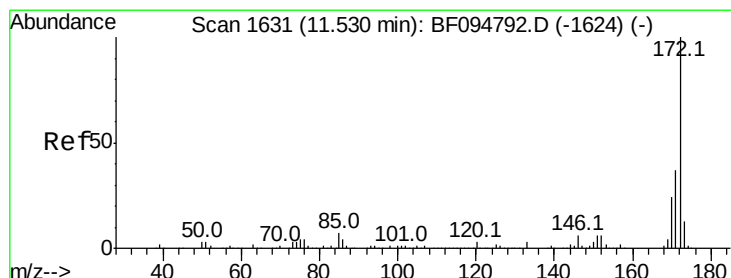
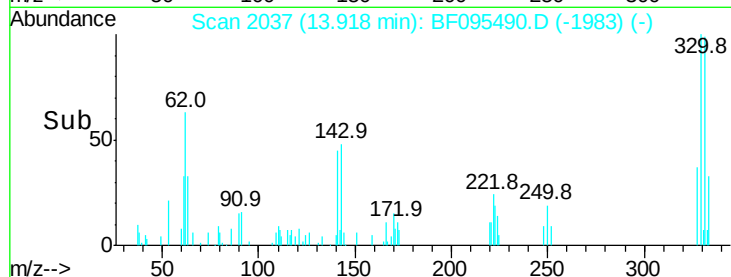
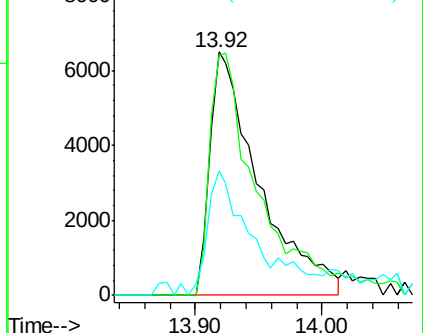


#41
 2,4,6-Tribromophenol
 Concen: 16.11 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

Tot Ion:330 Resp: 17571
 Ion Ratio Lower Upper
 330 100
 332 103.1 76.6 115.0
 141 39.2 31.4 47.2

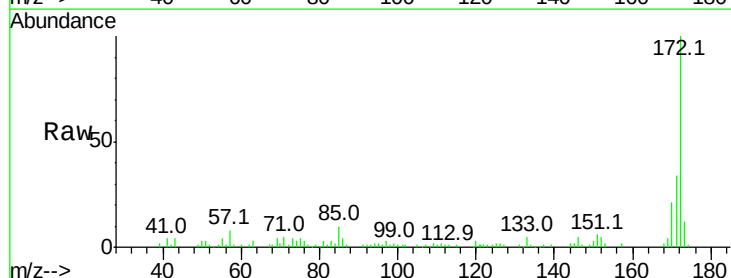


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

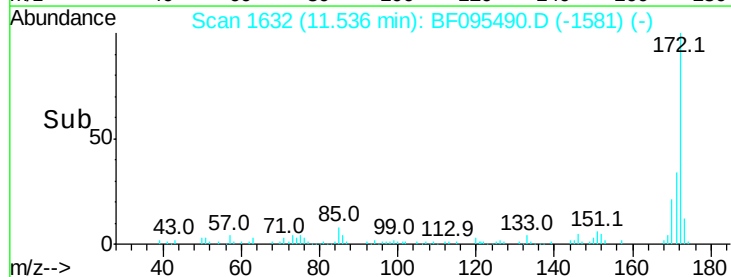
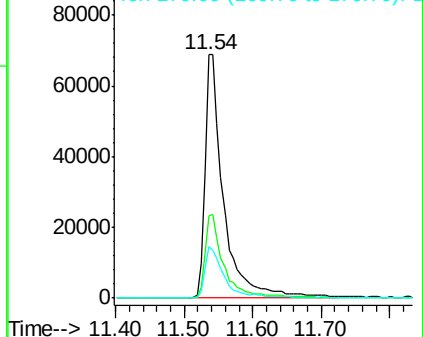


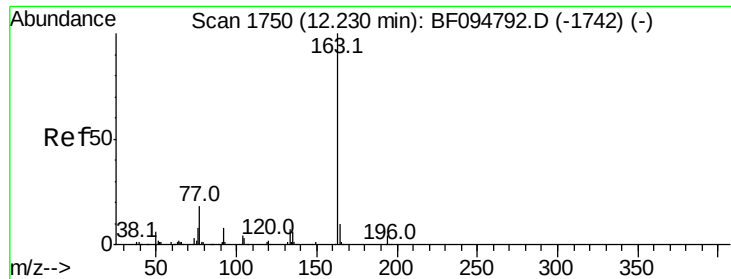
#44
 2-Fluorobiphenyl
 Concen: 14.19 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

Tgt Ion:172 Resp: 131284
 Ion Ratio Lower Upper
 172 100
 171 33.6 29.6 44.4
 170 21.1 19.8 29.8



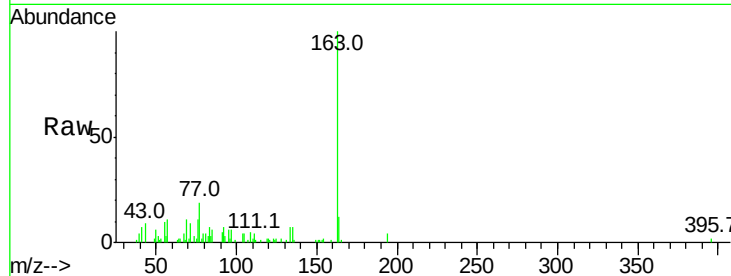
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



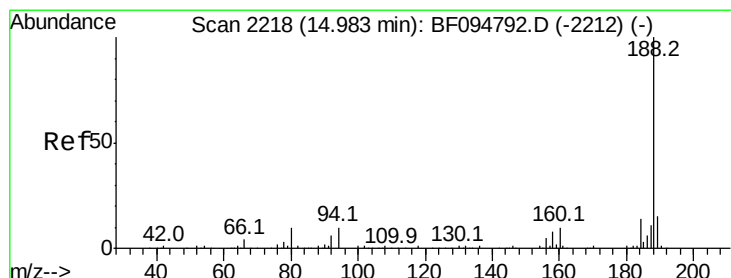
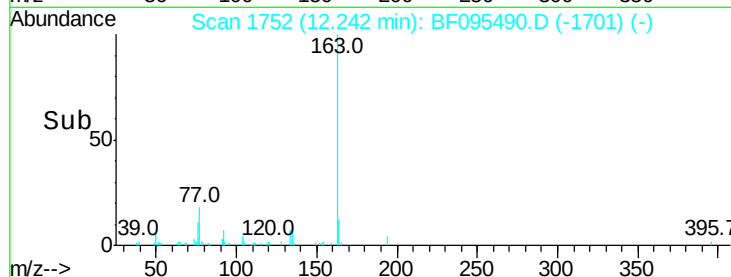
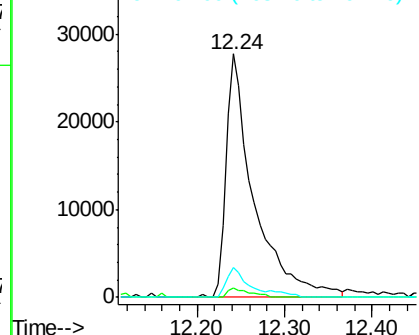


#49
Dimethylphthalate
Concen: 5.55 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	12.4	8.4	12.6

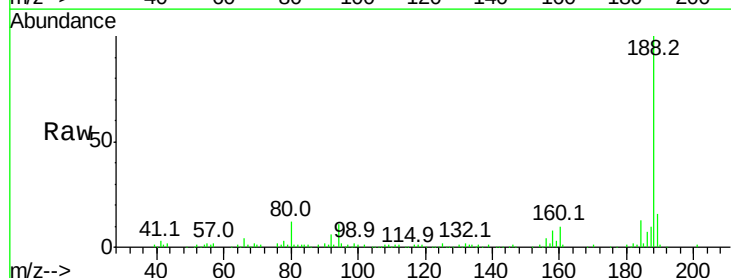


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

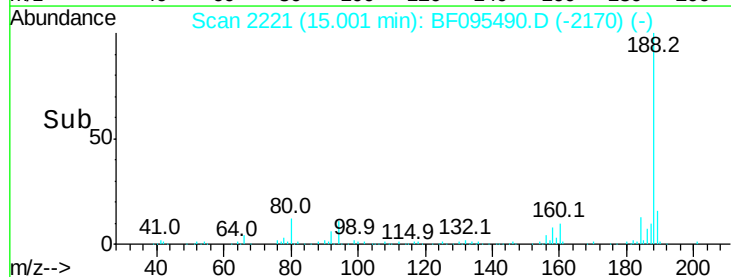
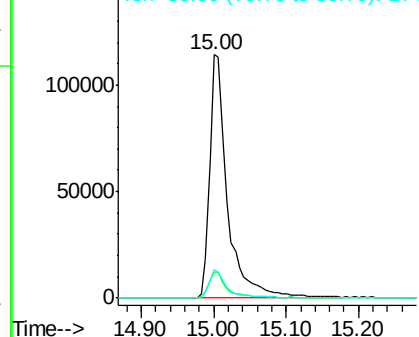


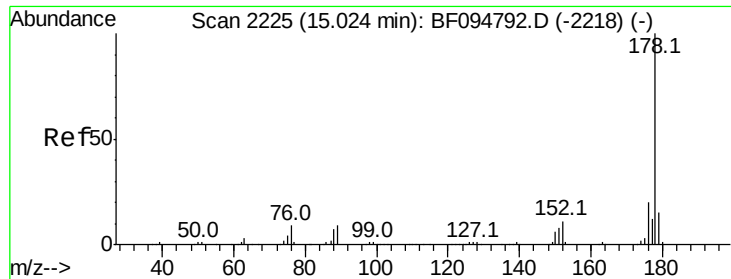
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.5	10.2	15.2



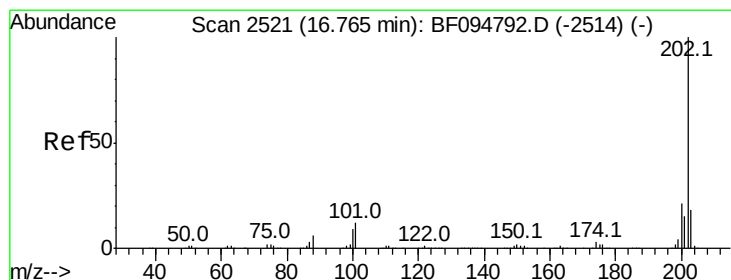
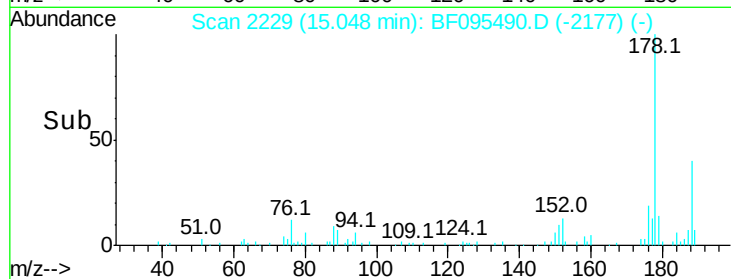
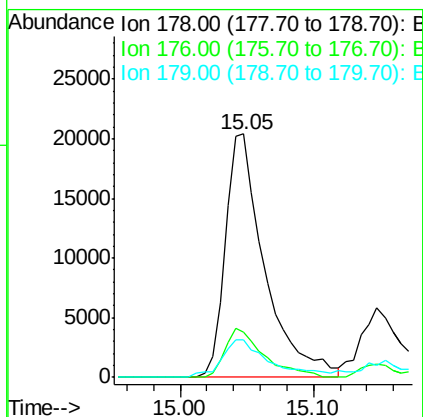
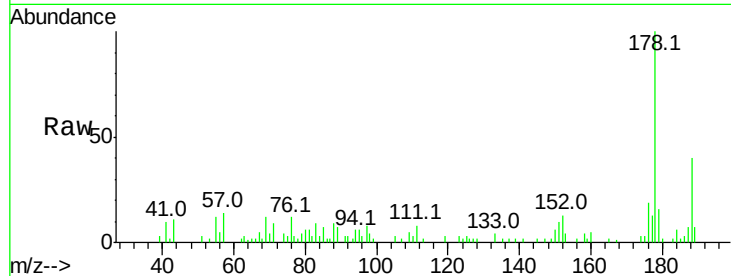
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





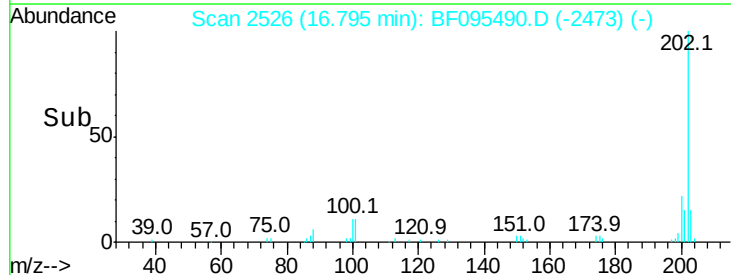
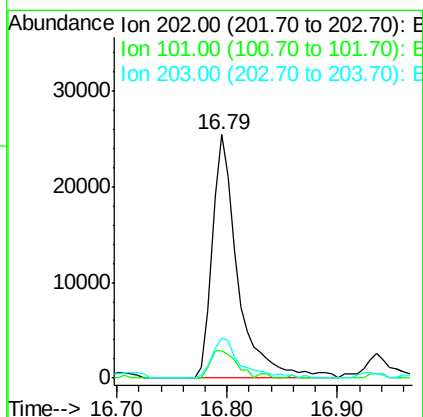
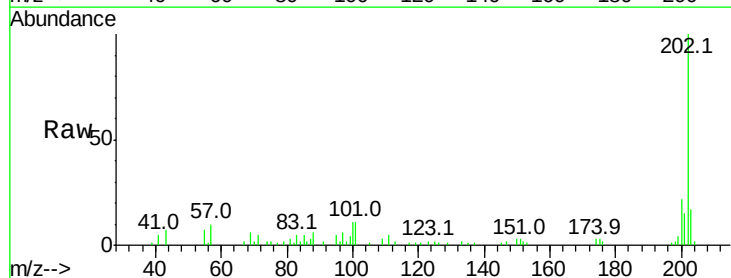
#70
 Phenanthrene
 Concen: 3.71 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. 0.01 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

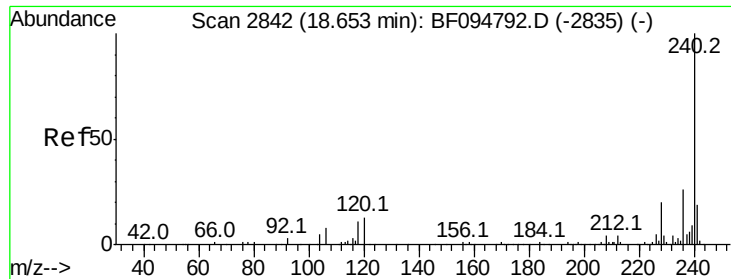
Tot Ion:178 Resp: 41961
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 15.5 12.6 19.0



#74
 Fluoranthene
 Concen: 3.50 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. 0.01 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

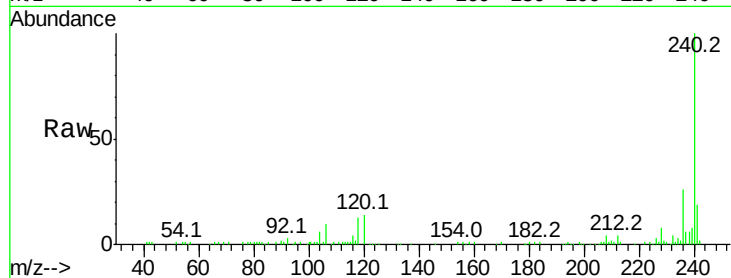
Tgt Ion:202 Resp: 40548
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.2
 203 16.6 0.0 38.1



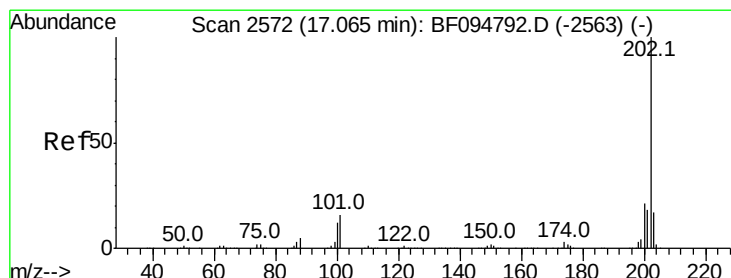
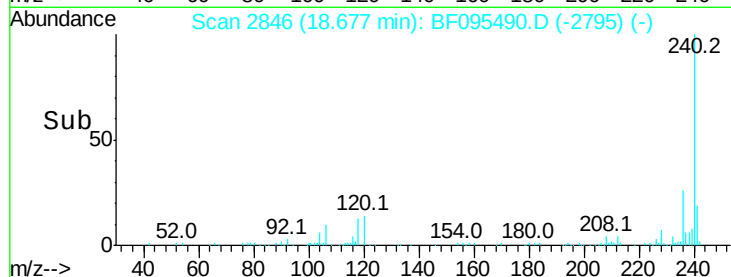
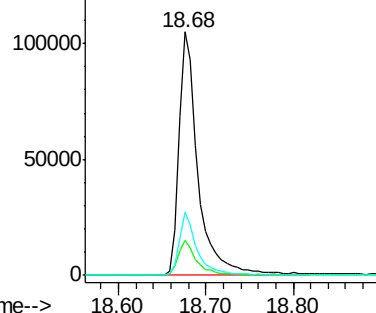


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

Tot Ion:240 Resp: 160662
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 25.9 20.5 30.7

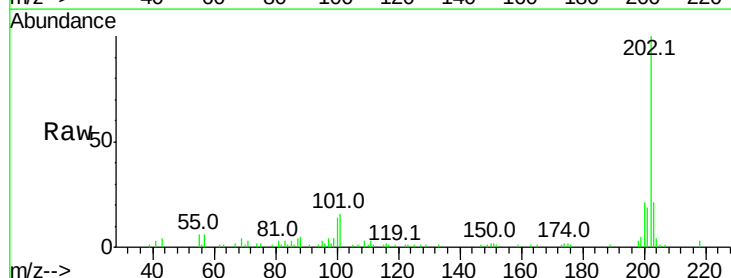


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

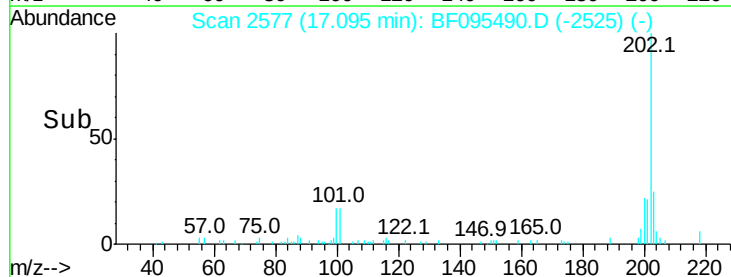
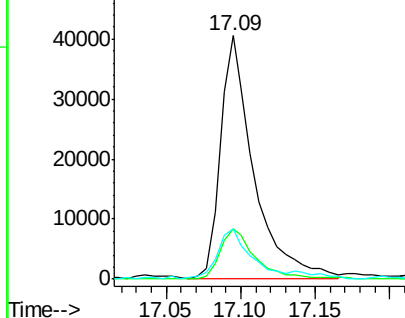


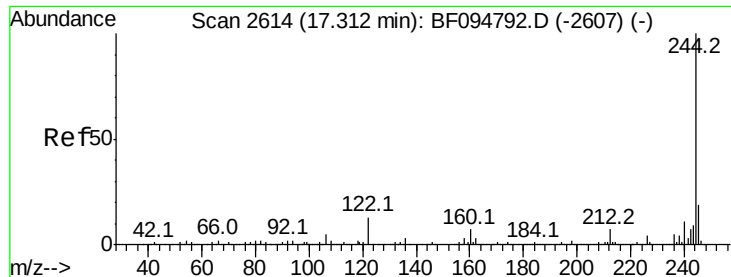
#77
 Pyrene
 Concen: 5.29 ng
 RT: 17.09 min Scan# 2577
 Delta R.T. 0.01 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

Tgt Ion:202 Resp: 63510
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.6 26.4
 203 20.7 14.4 21.6



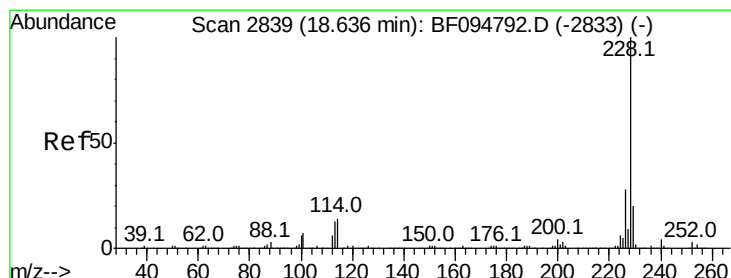
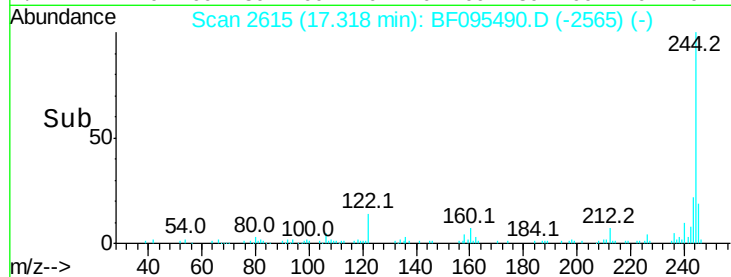
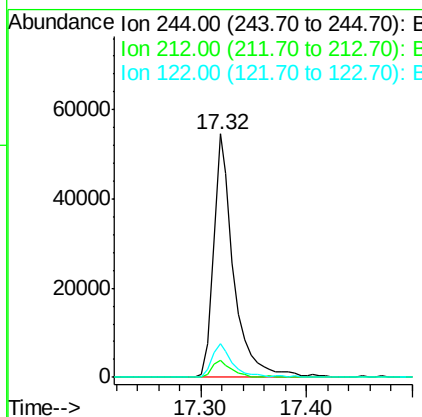
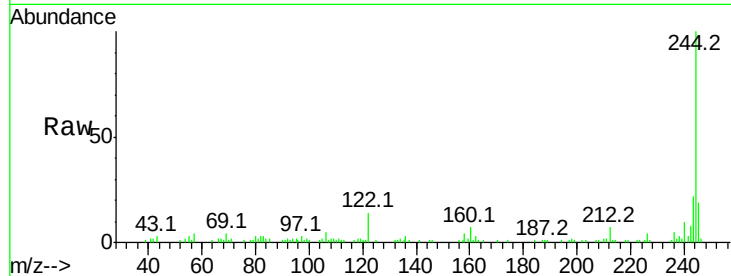
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





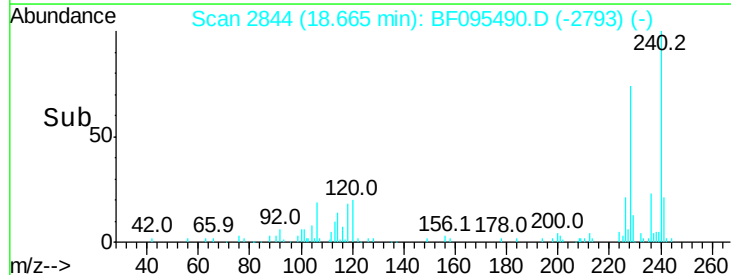
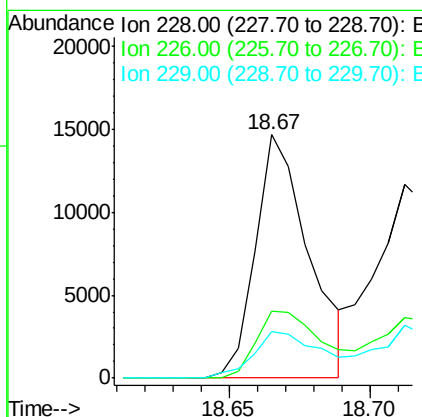
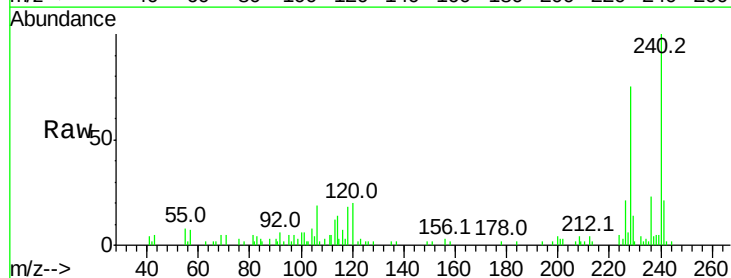
#78
 Terphenyl-d14
 Concen: 10.04 ng
 RT: 17.32 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

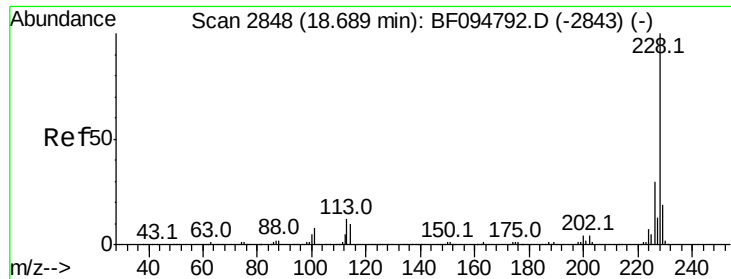
Tot Ion:244 Resp: 73208
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.06 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BF095490.D
 Acq: 27 May 2017 8:11

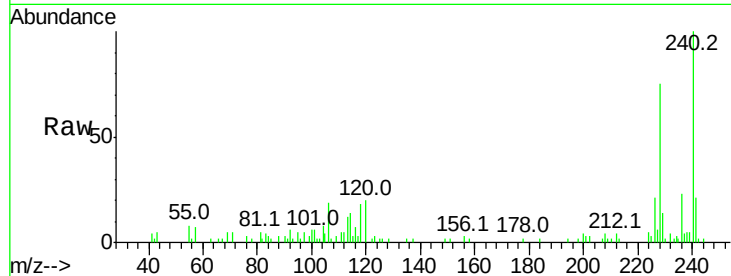
Tgt Ion:228 Resp: 19308
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 19.2 16.3 24.5



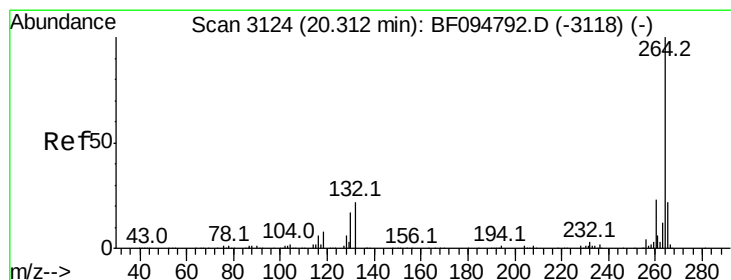
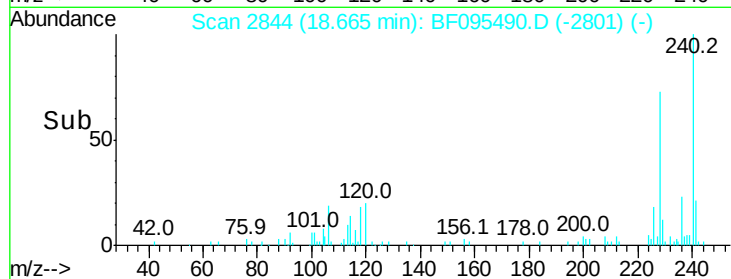
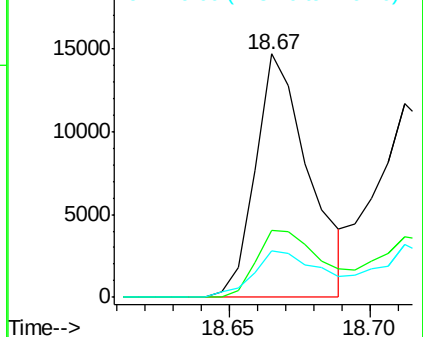


#82
Chrysene
Concen: 2.14 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.05 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.9	37.3
229	19.2	15.8	23.6

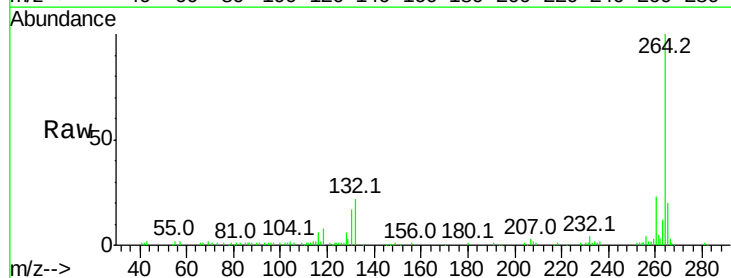


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

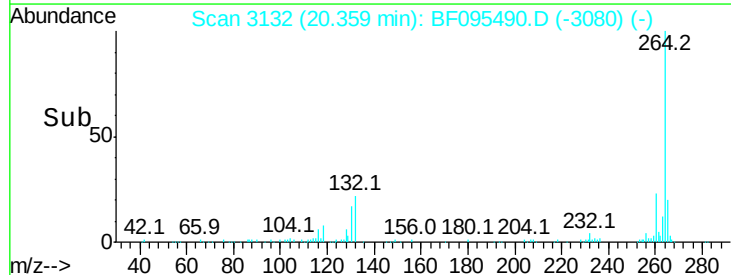
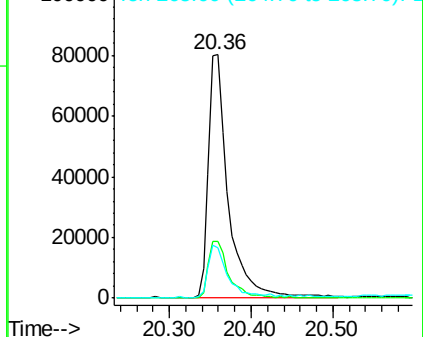


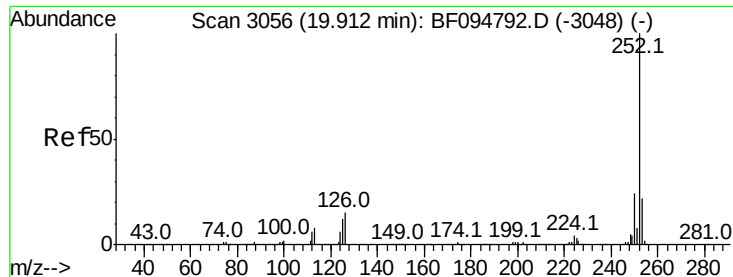
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.36 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.5	17.2	25.8



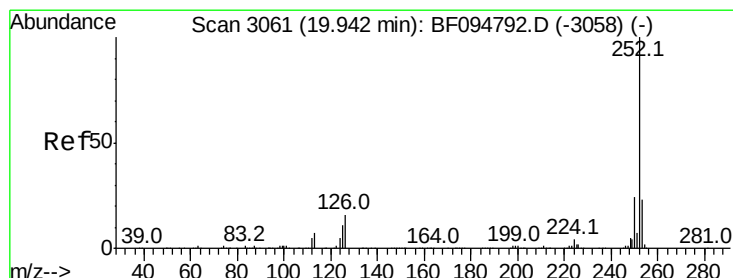
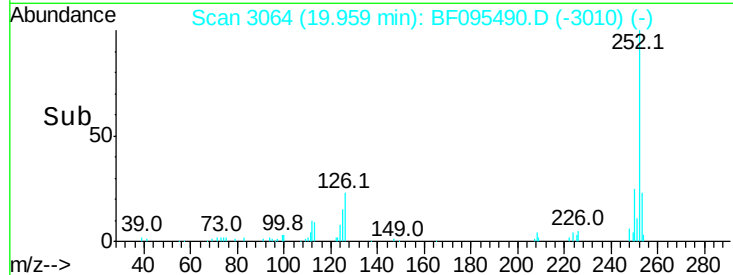
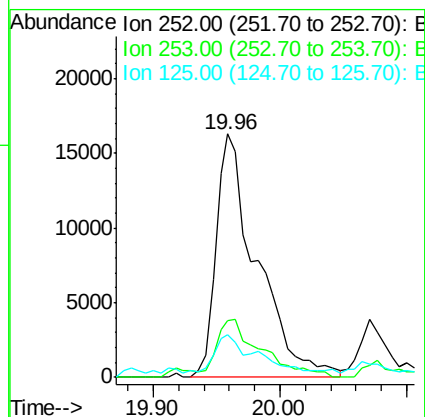
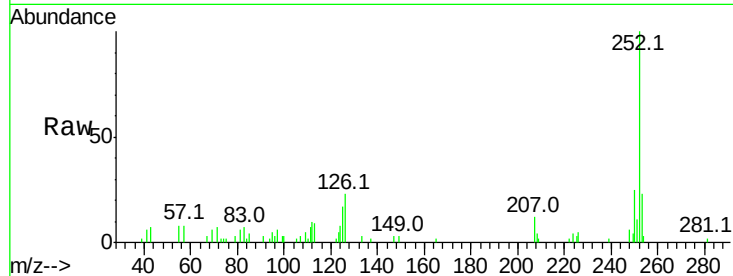
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





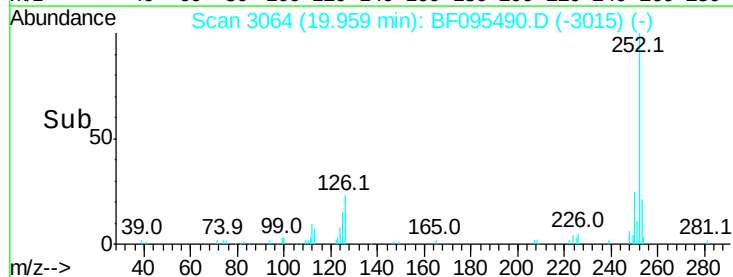
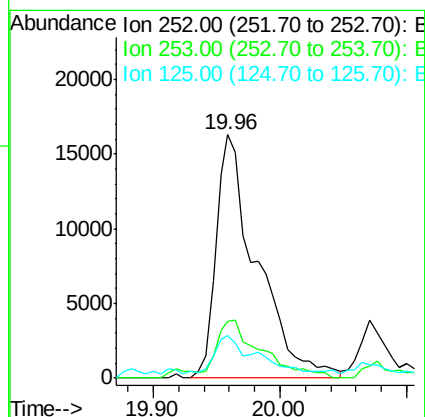
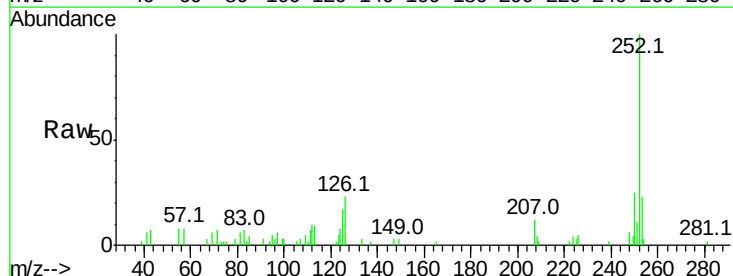
#87
Benzo(b)fluoranthene
Concen: 4.32 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.02 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

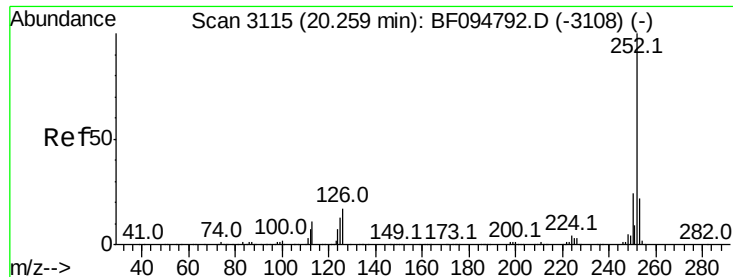
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	17.4	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 4.47 ng
RT: 19.96 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

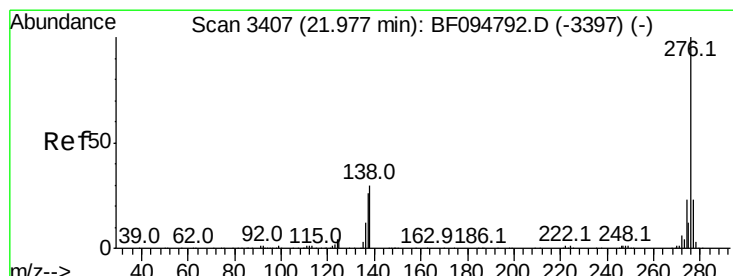
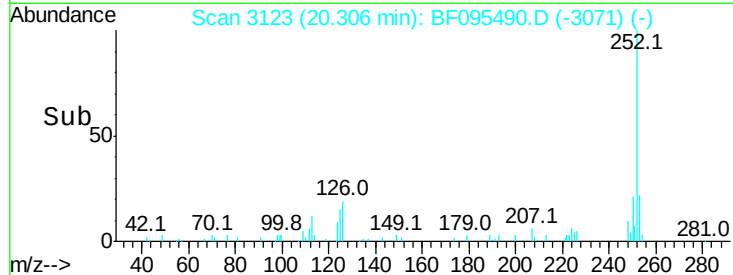
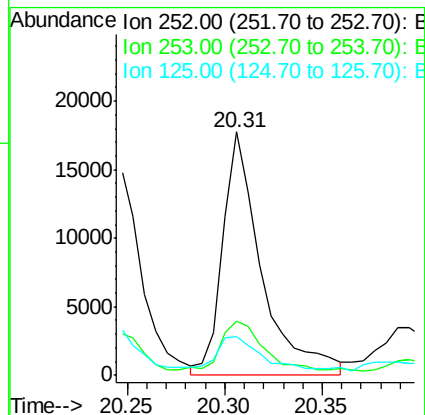
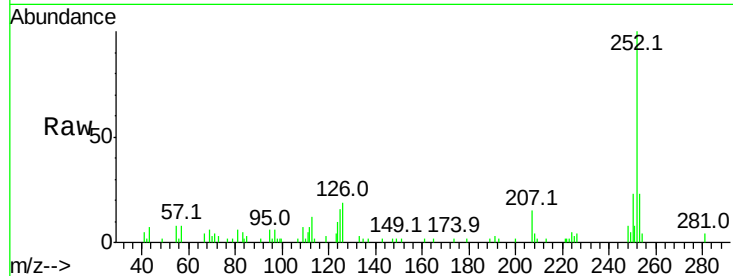
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	17.4	13.1	19.7





#89
Benzo(a)pyrene
Concen: 3.16 ng
RT: 20.31 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tot	Ion:252	Resp:	24649
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.8	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.71 ng
RT: 22.11 min Scan# 3429
Delta R.T. 0.04 min
Lab File: BF095490.D
Acq: 27 May 2017 8:11

Tgt	Ion:276	Resp:	17136
Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.6	28.0
138	36.7	25.4	38.0

