

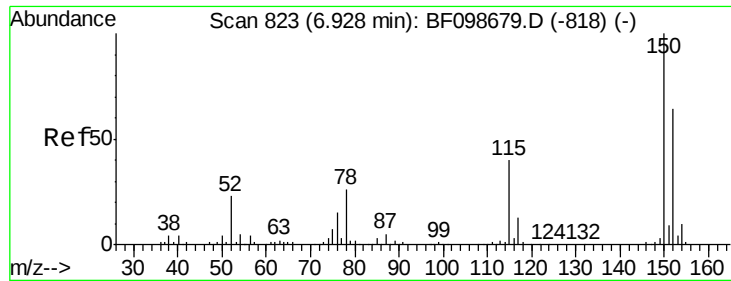
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098922.D
 Acq On : 28 Sep 2017 22:28
 Operator : SJ/JU
 Sample : I5440-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:46:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	146717	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	576910	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	227421	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	327415	20.00	ng	0.00
75) Chrysene-d12	14.09	240	229217	20.00	ng	0.00
86) Perylene-d12	15.58	264	255875	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1050184	113.95	ng	0.00
7) Phenol-d6	6.55	99	1259203	110.75	ng	0.00
23) Nitrobenzene-d5	7.48	82	776294	86.29	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	188973	101.55	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1126109	82.66	ng	0.00
78) Terphenyl-d14	13.03	244	733275	72.75	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.56	94	35775	2.81	ng	98
19) n-Nitroso-di-n-propylamine	7.48	70	102687	14.15	ng	# 76
25) Isophorone	7.48	82	771723	41.49	ng	# 64
49) Dimethylphthalate	9.66	163	243749	14.20	ng	99
56) 2,4-Dinitrotoluene	9.95	165	28925	5.96	ng	# 23
66) 4-Bromophenyl-phenylether	10.75	248	12944	4.04	ng	# 1
70) Phenanthrene	11.46	178	59116	3.37	ng	97
74) Fluoranthene	12.65	202	116236	6.55	ng	99
77) Pyrene	12.89	202	107087	6.13	ng	99
80) Benzo(a)anthracene	14.11	228	52309	3.77	ng	96
82) Chrysene	14.11	228	52309	3.96	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	27000	2.55	ng	97
87) Benzo(b)fluoranthene	15.14	252	99806	6.34	ng	# 94
88) Benzo(k)fluoranthene	15.14	252	99806	6.42	ng	# 96
89) Benzo(a)pyrene	15.52	252	46490	3.22	ng	# 90

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

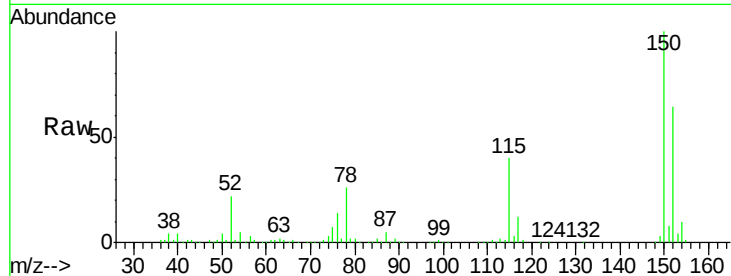


#1

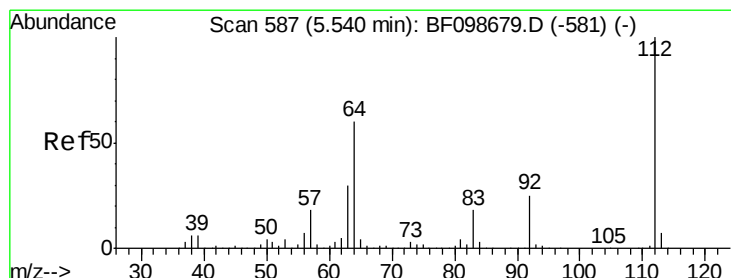
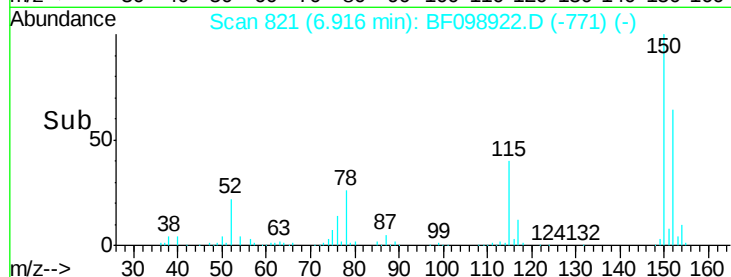
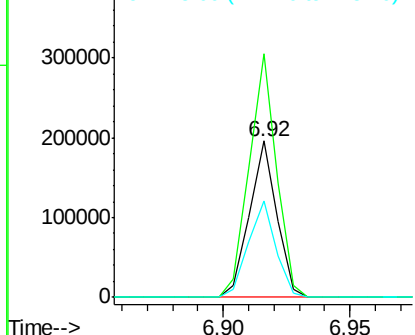
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146717
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 61.9 50.1 75.1



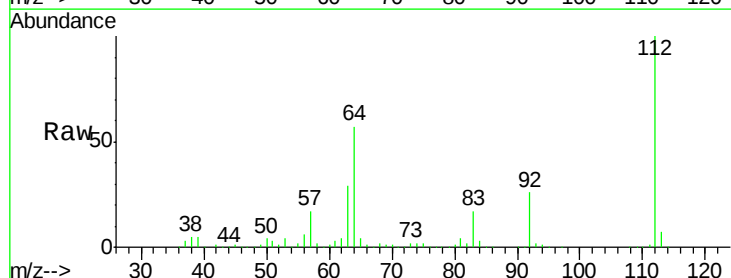
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



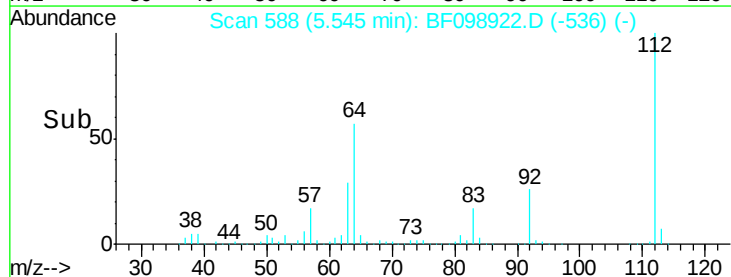
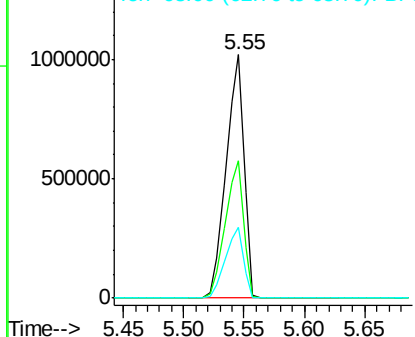
#5

2-Fluorophenol
Concen: 113.95 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion:112 Resp: 1050184
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 29.1 23.7 35.5



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: 110.75 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampled :

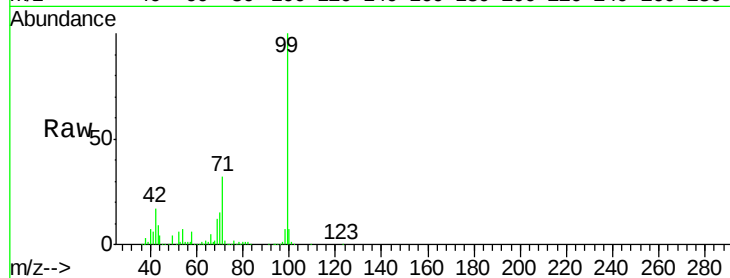
Tot Ion: 99 Resp: 1259203

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

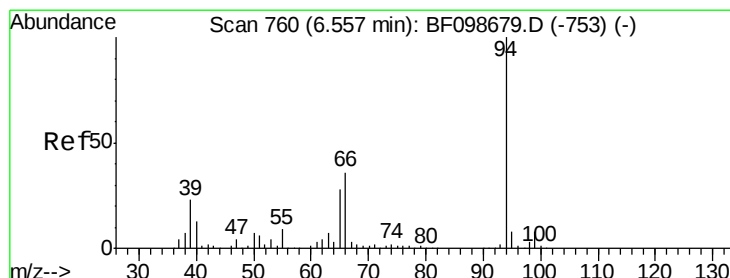
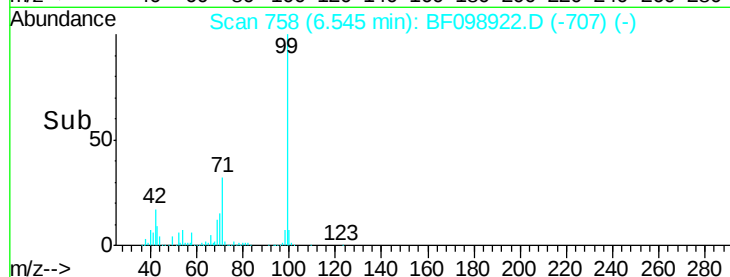
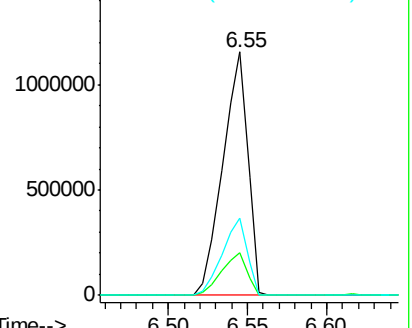
71 32.0 25.4 38.0



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



#10

Phenol

Concen: 2.81 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

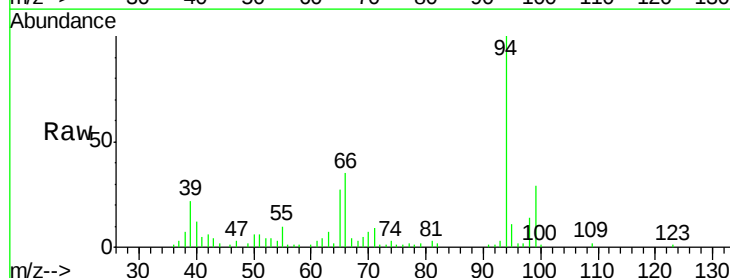
Tgt Ion: 94 Resp: 35775

Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

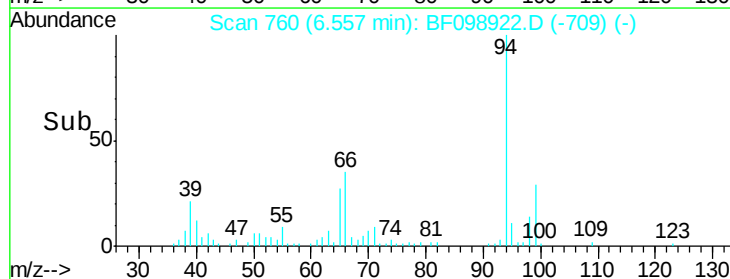
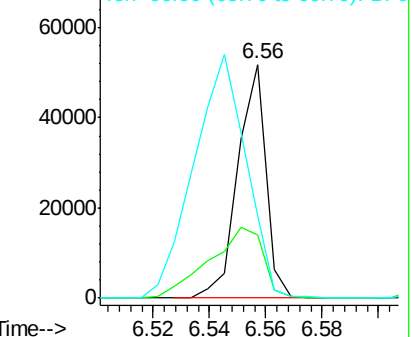
66 35.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

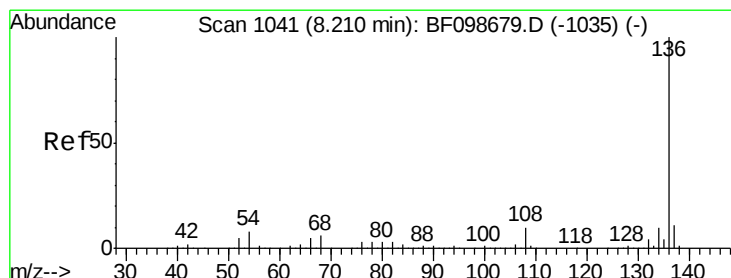
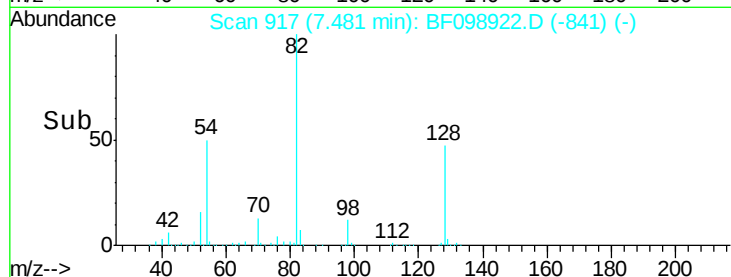
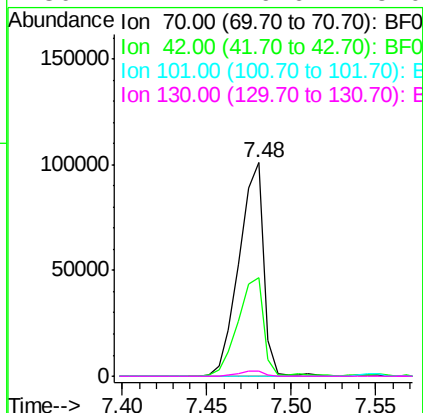
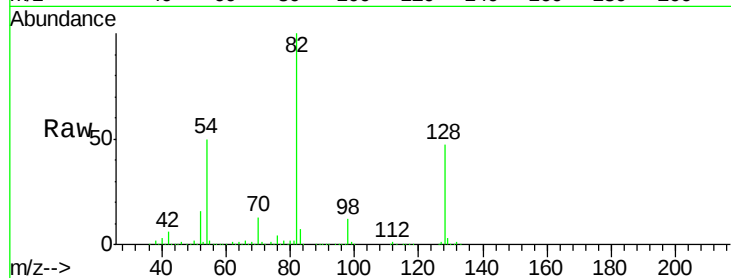




#19
n-Nitroso-di-n-propylamine
Concen: 14.15 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.15 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

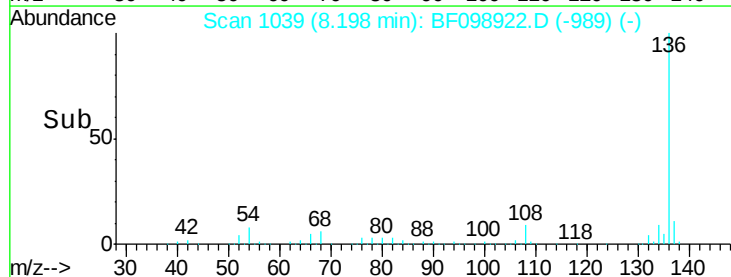
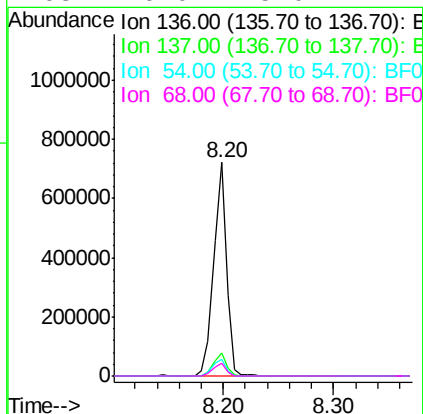
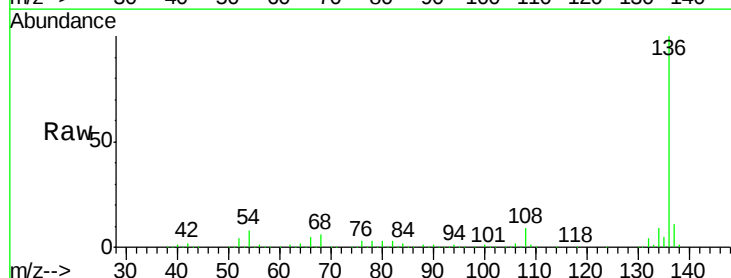
Instrument :
BNA_F
ClientSampleId :

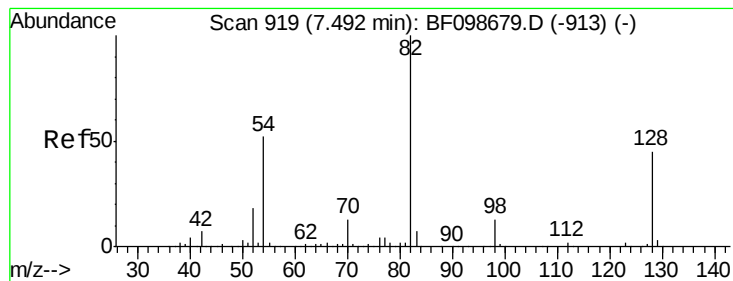
Tot Ion: 70 Resp: 102687
Ion Ratio Lower Upper
70 100
42 45.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion: 136 Resp: 576910
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.5 6.6 9.8
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 86.29 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

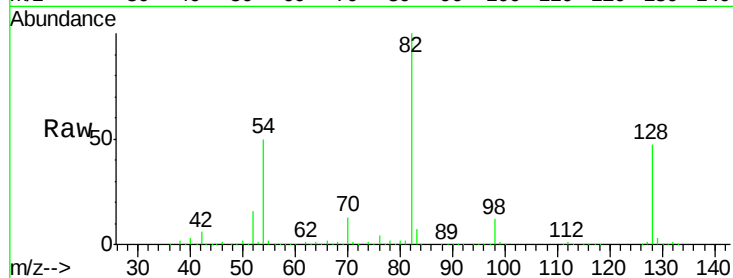
Tot Ion: 82 Resp: 776294

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

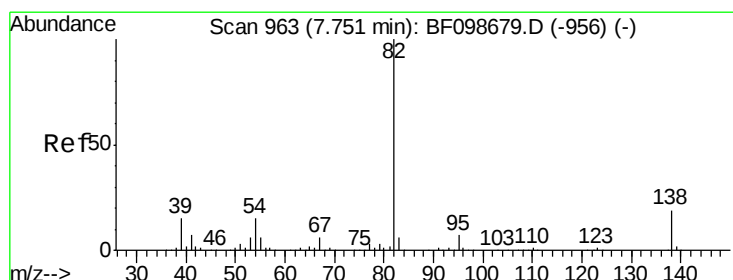
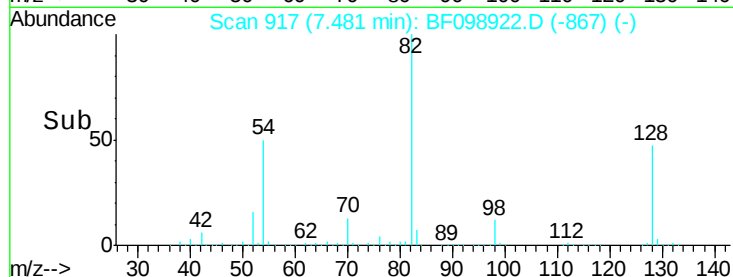
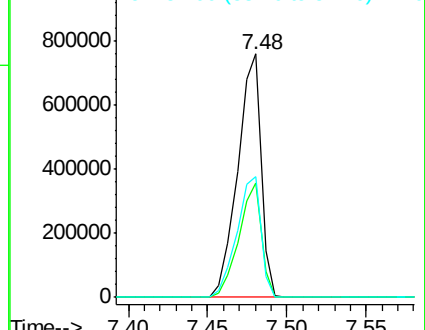
54 49.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 41.49 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

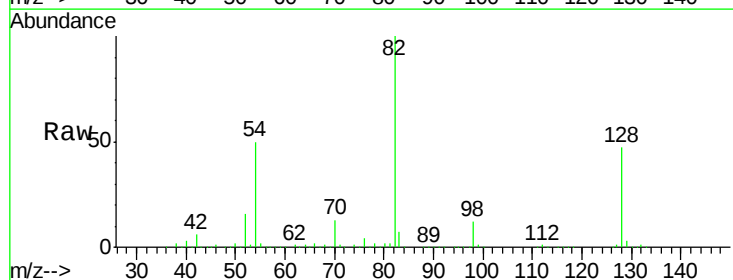
Tgt Ion: 82 Resp: 771723

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

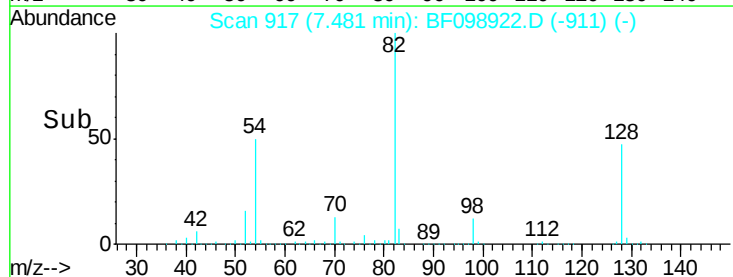
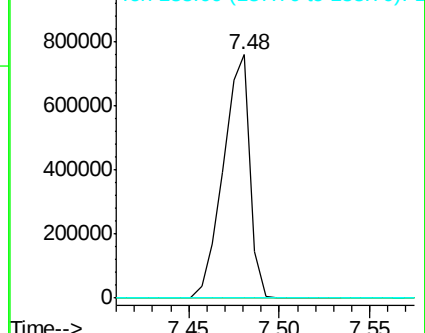
138 0.0 14.9 22.3#

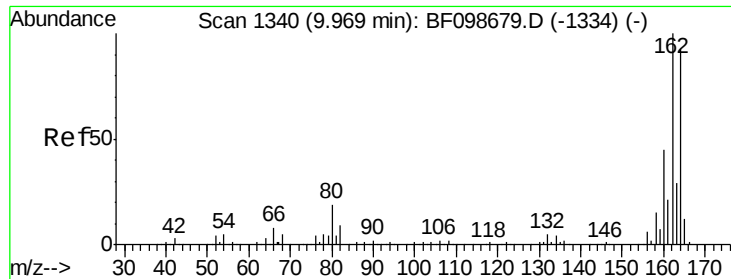


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

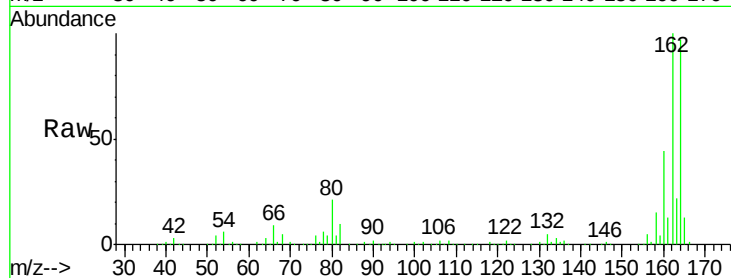
Tot Ion:164 Resp: 227421

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

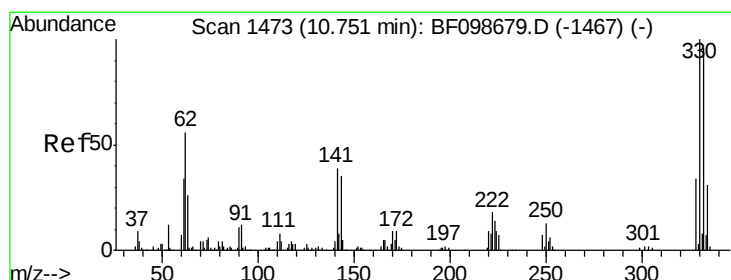
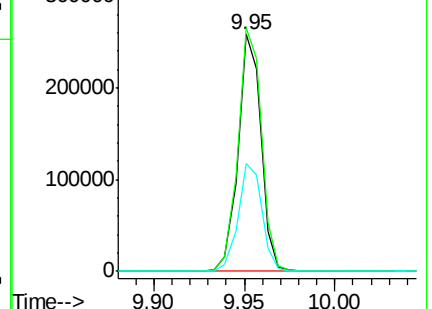
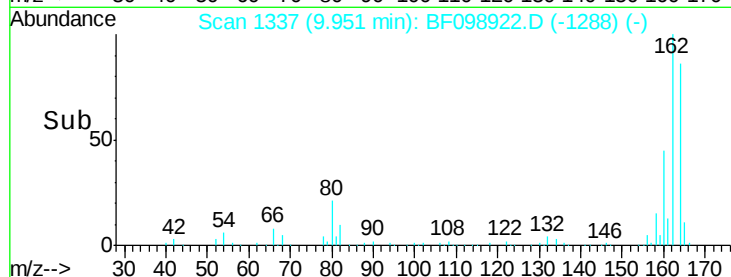
160 45.6 38.3 57.5



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: 101.55 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

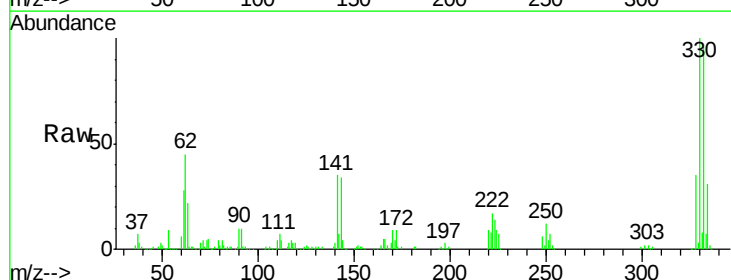
Tgt Ion:330 Resp: 188973

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

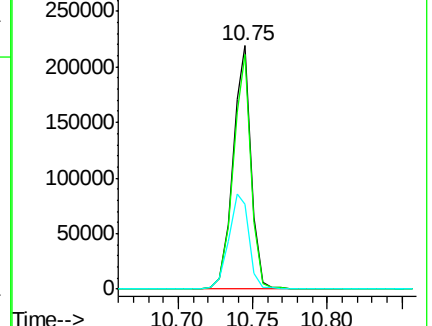
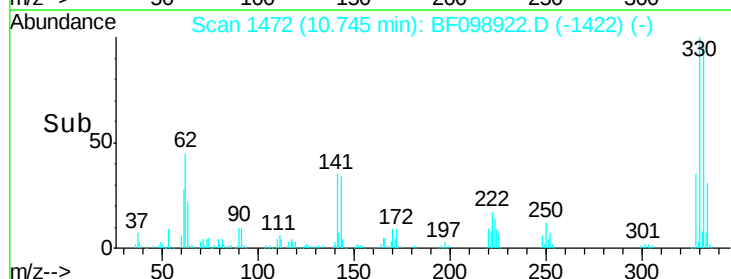
141 44.1 29.9 44.9

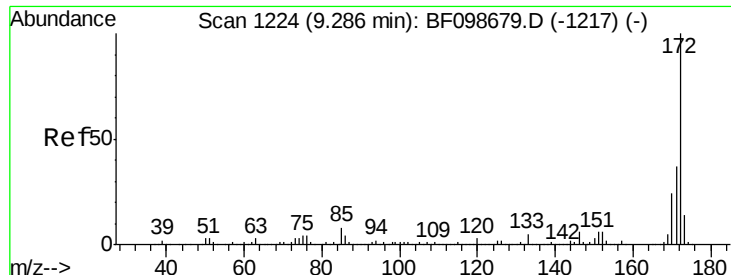


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

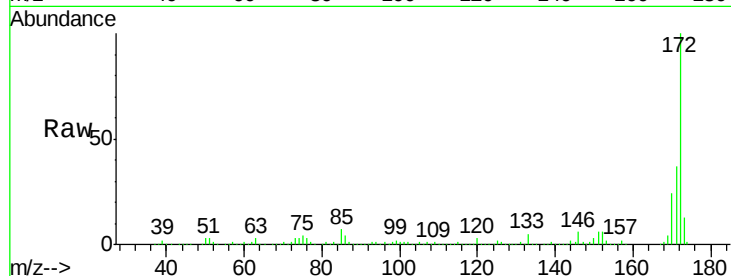




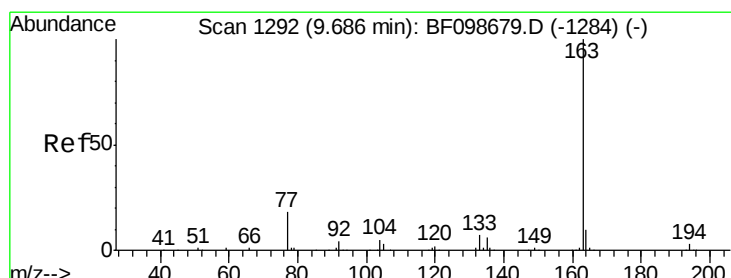
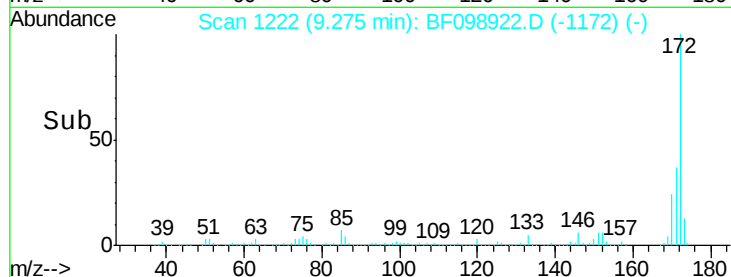
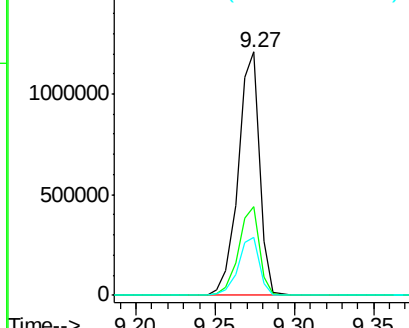
#44
2-Fluorobiphenyl
Concen: 82.66 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1126109
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.0 19.6 29.4

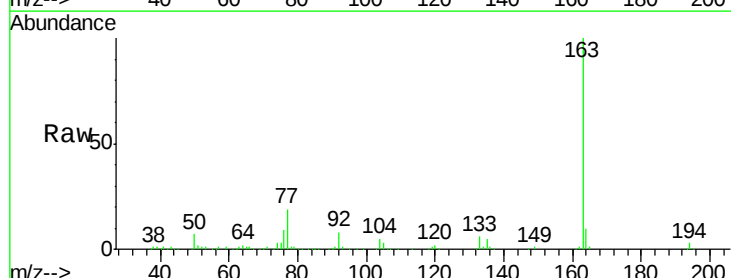


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

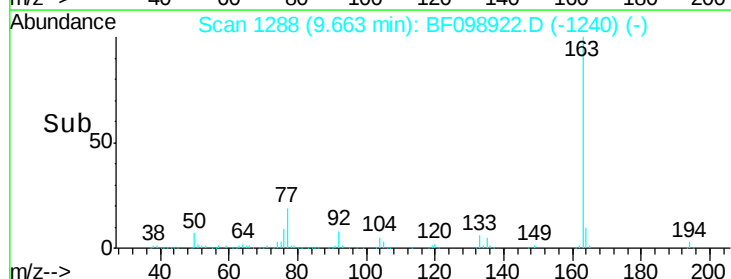
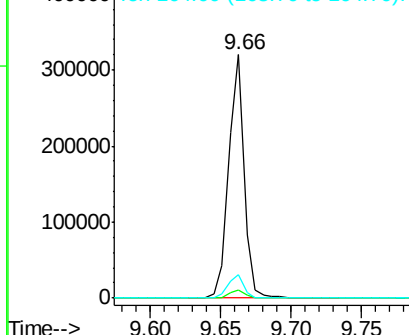


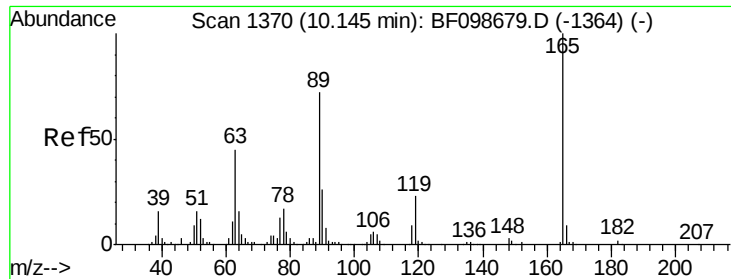
#49
Dimethylphthalate
Concen: 14.20 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion:163 Resp: 243749
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2



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

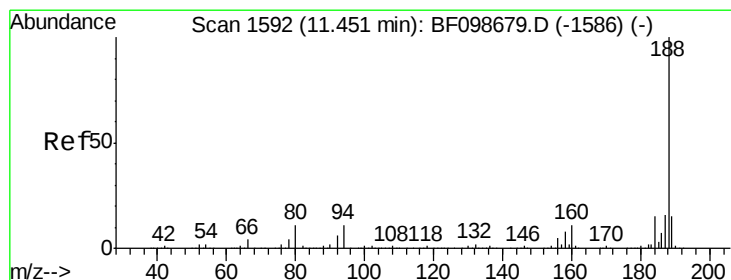
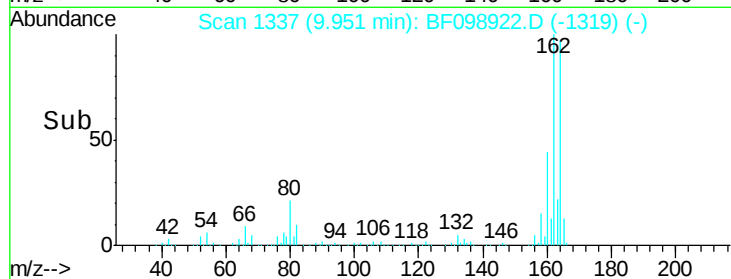
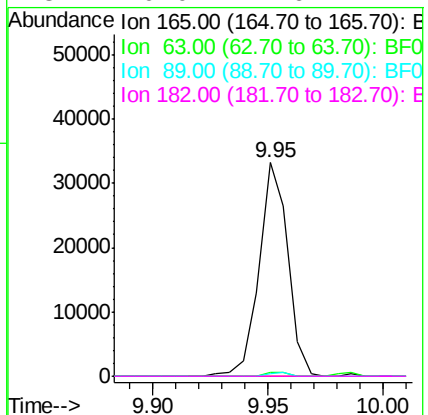
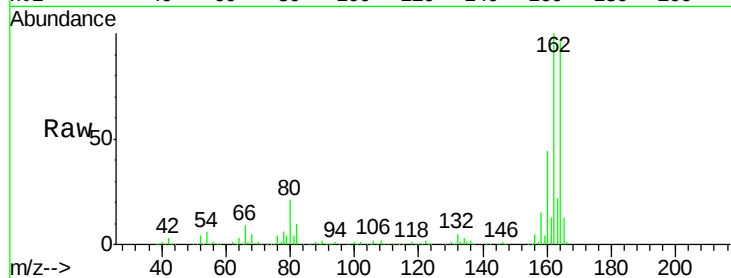




#56
 2,4-Dinitrotoluene
 Concen: 5.96 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098922.D
 Acq: 28 Sep 2017 22:28

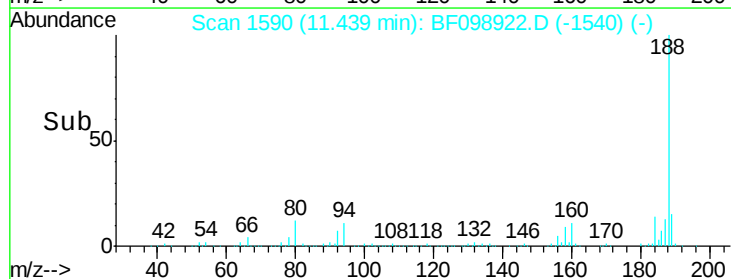
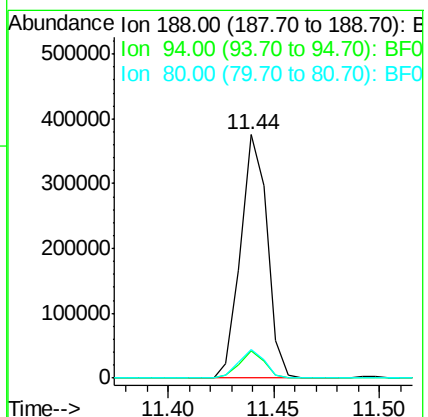
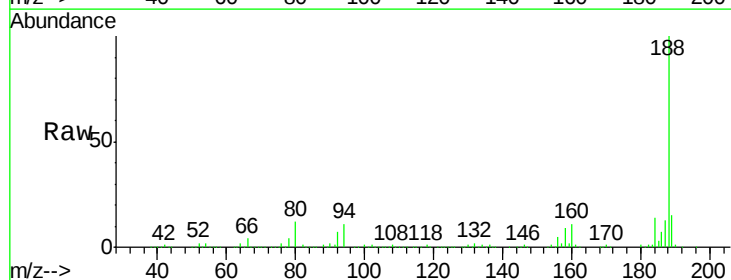
Instrument :
 BNA_F
 ClientSampleId :

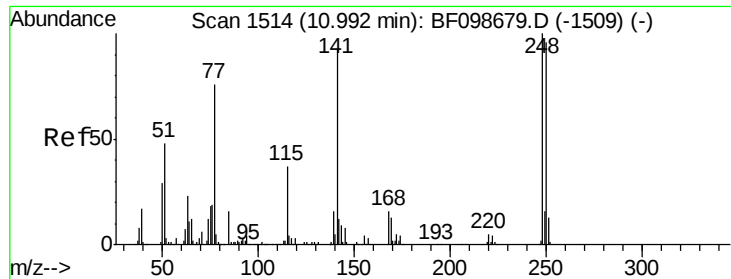
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098922.D
 Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	11.6	9.2	13.8

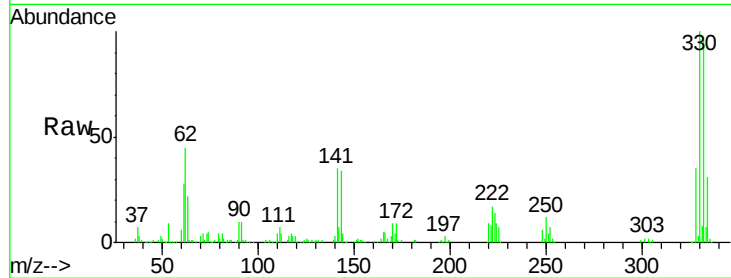




#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.6	76.9	115.3#
141	559.2	74.4	111.6#

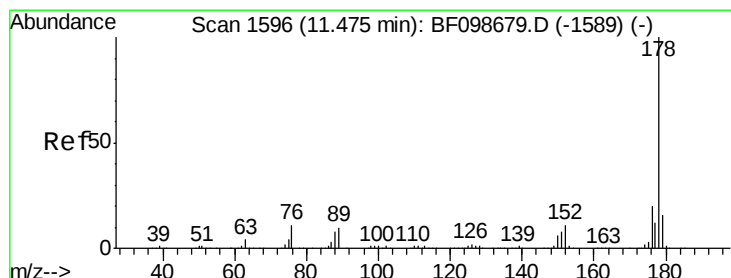
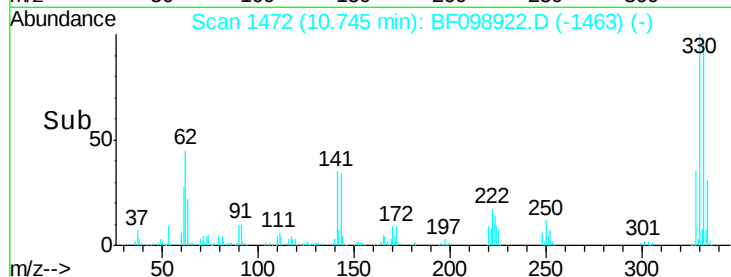
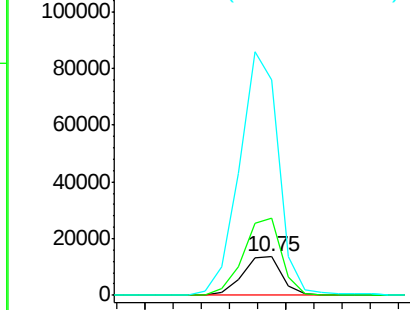


Abundance

Ion 248.00 (247.70 to 248.70): E

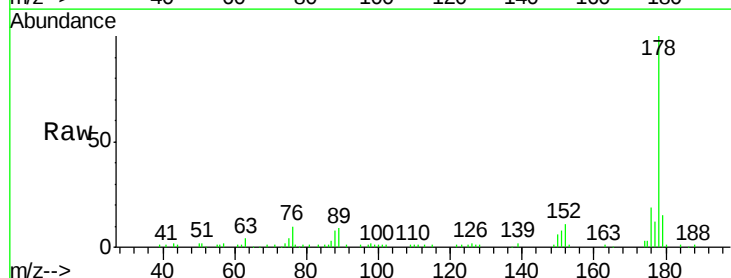
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
Phenanthrene
Concen: 3.37 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.2	13.0	19.6

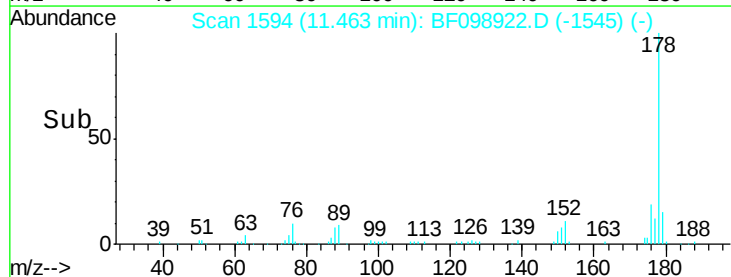
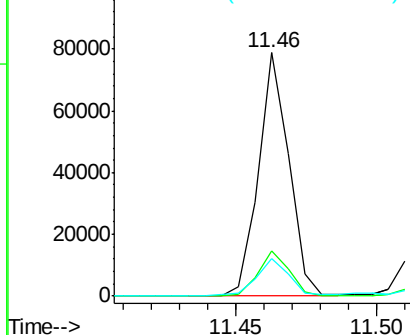


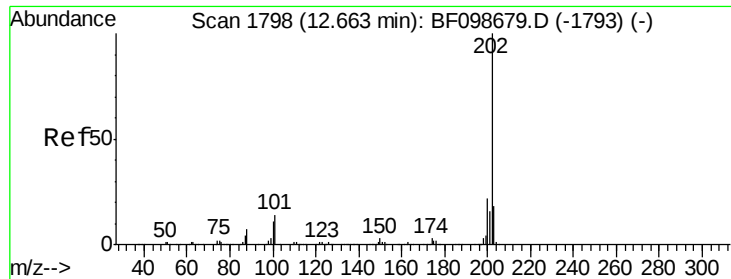
Abundance

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: 6.55 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098922.D

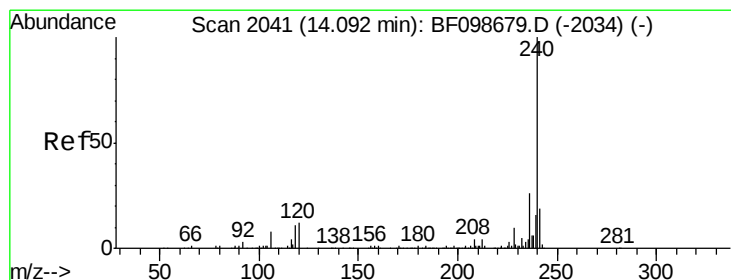
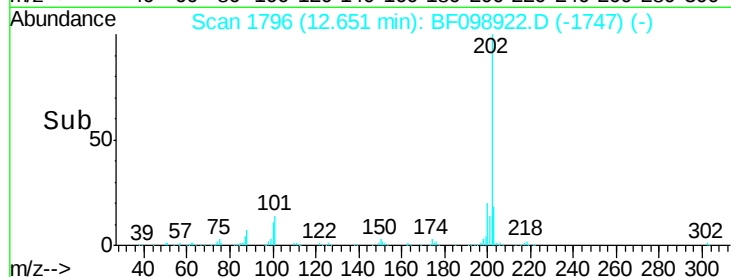
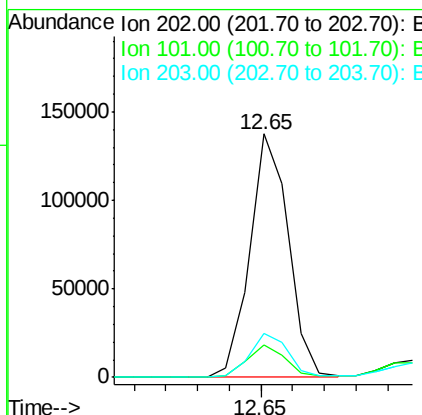
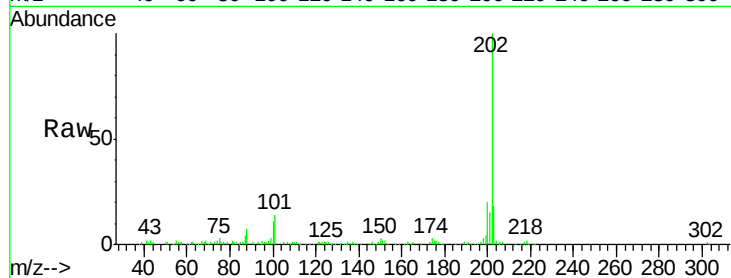
Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	116236
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.3	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

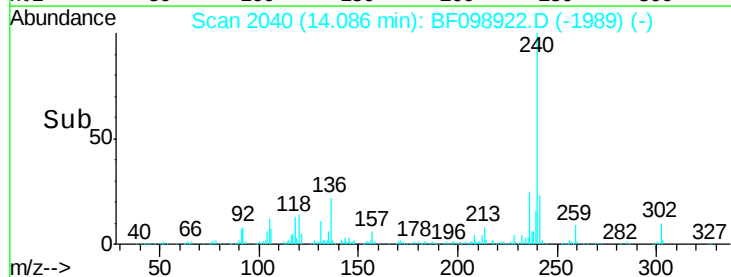
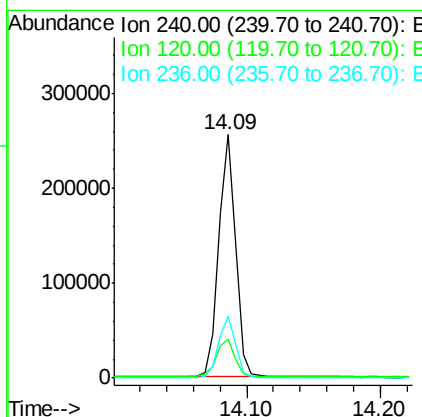
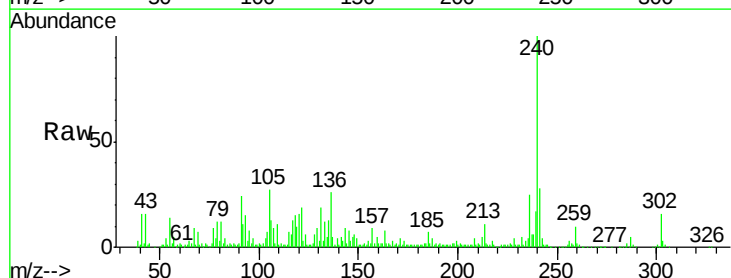
RT: 14.09 min Scan# 2040

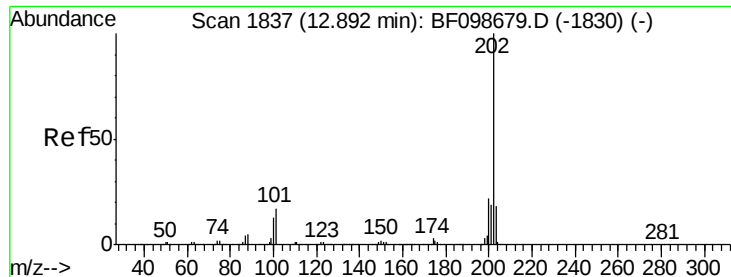
Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Tgt Ion:	240	Resp:	229217
Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	25.3	20.7	31.1





#77

Pvrene

Concen: 6.13 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

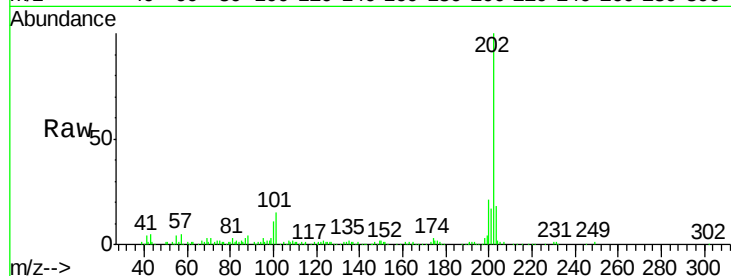
Tot Ion:202 Resp: 107087

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

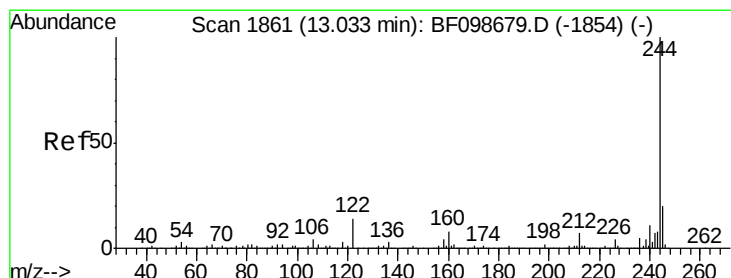
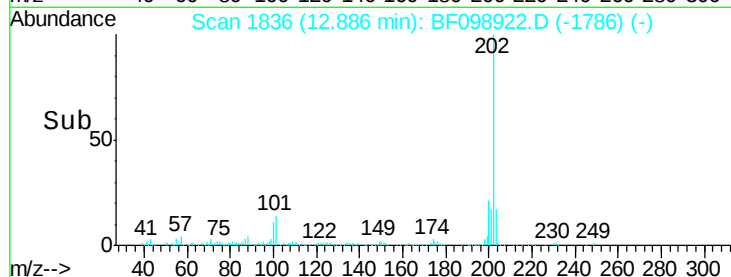
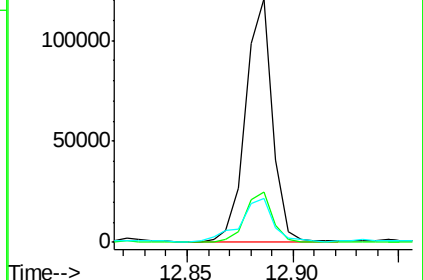
203 17.8 14.3 21.5



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: 72.75 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

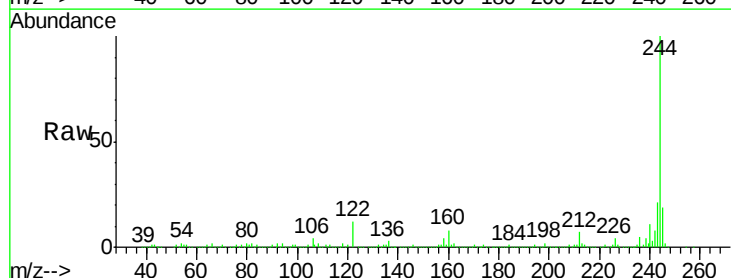
Tgt Ion:244 Resp: 733275

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

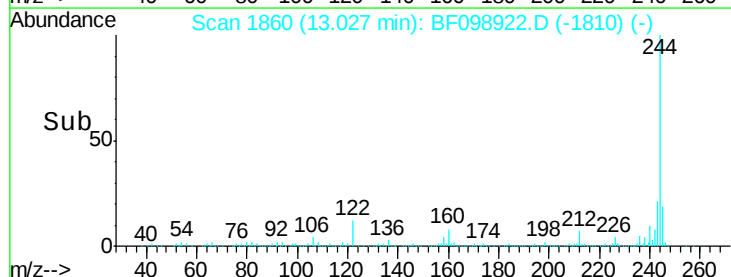
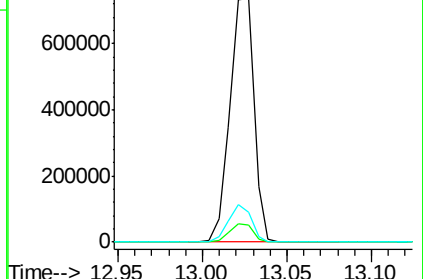
122 12.4 11.0 16.4

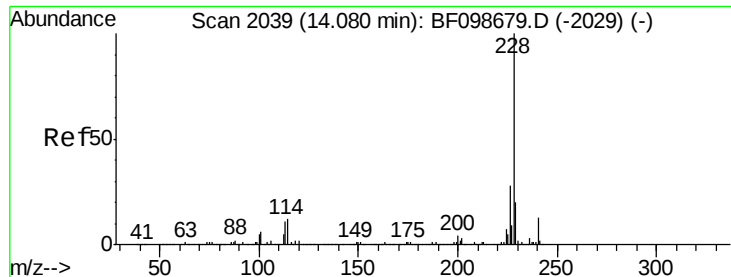


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

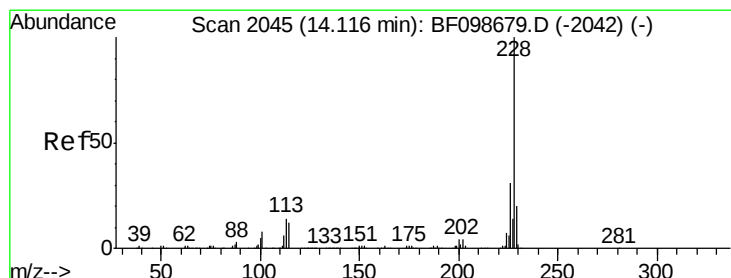
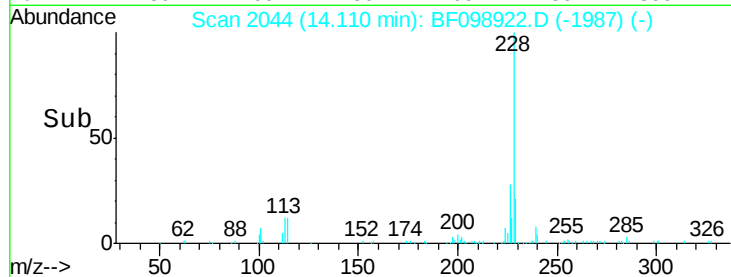
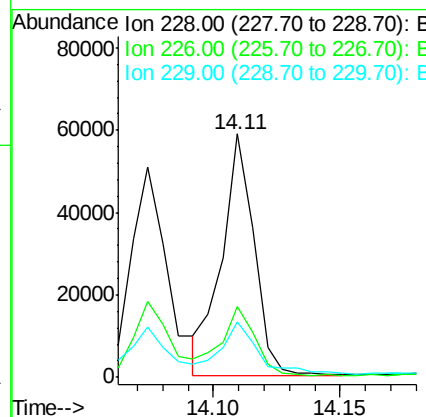
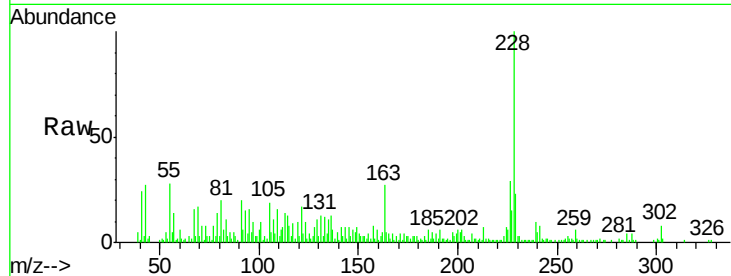




#80
Benzo(a)anthracene
Concen: 3.77 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.04 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

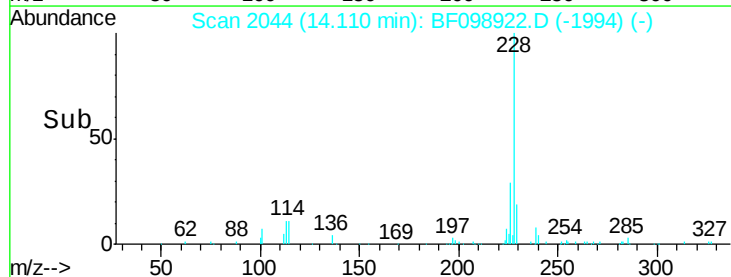
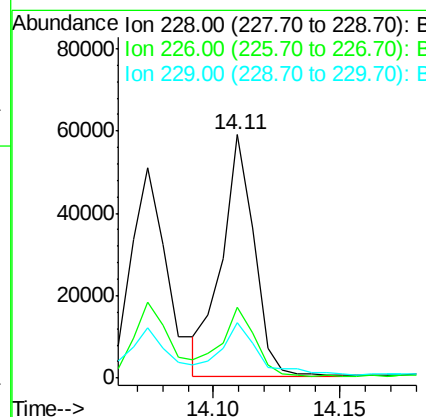
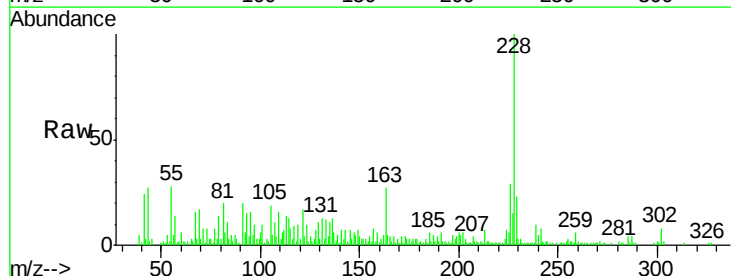
Instrument :
BNA_F
ClientSampleId :

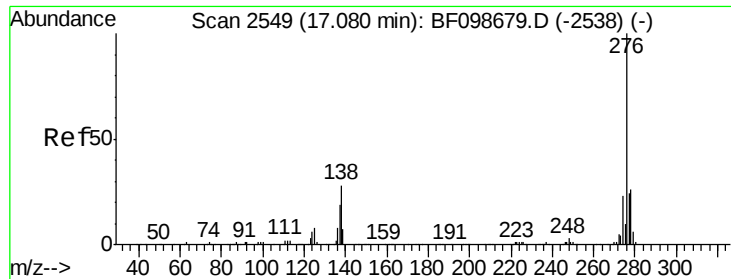
Tot Ion:228 Resp: 52309
Ion Ratio Lower Upper
228 100
226 29.0 22.6 33.8
229 22.6 15.8 23.6



#82
Chrysene
Concen: 3.96 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion:228 Resp: 52309
Ion Ratio Lower Upper
228 100
226 29.0 25.0 37.6
229 22.6 16.2 24.4

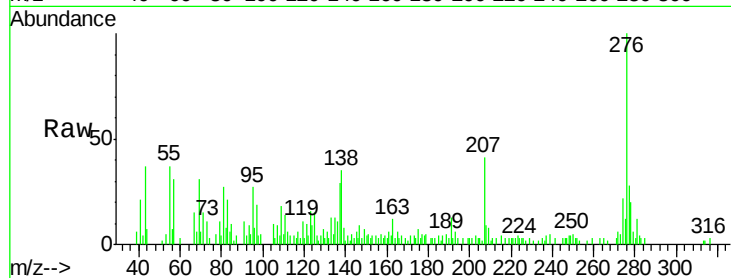




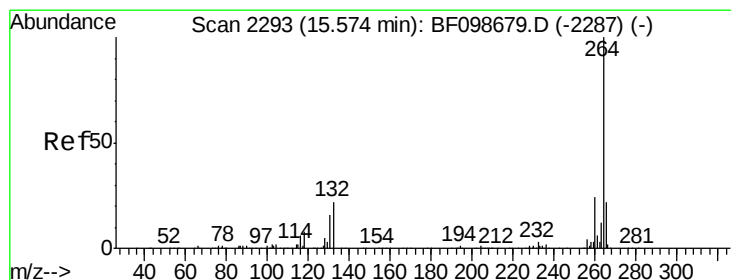
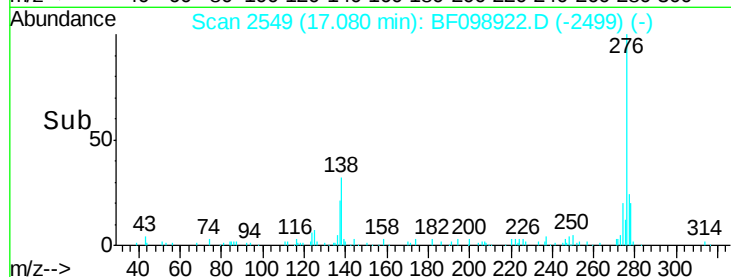
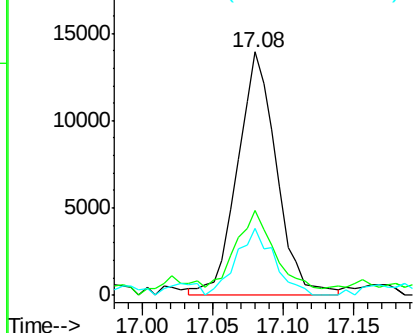
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.55 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF098922.D
 Acq: 28 Sep 2017 22:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	25.0	37.6
277	26.8	20.1	30.1

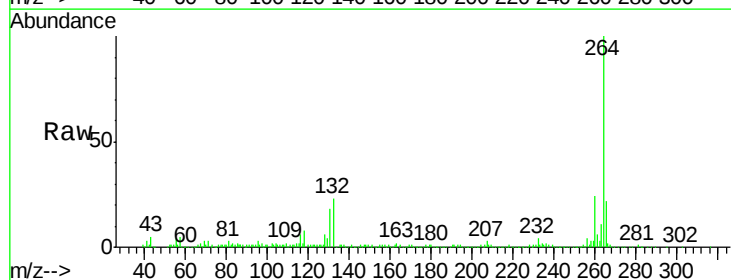


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

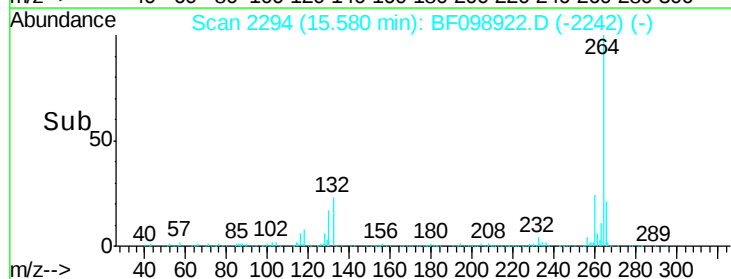
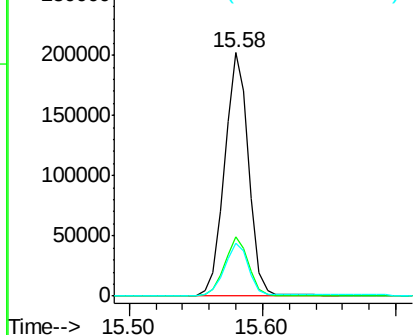


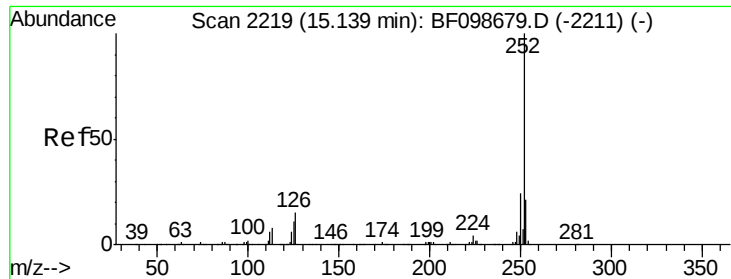
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098922.D
 Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3



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

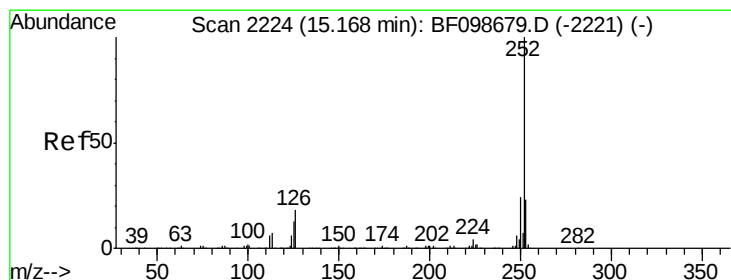
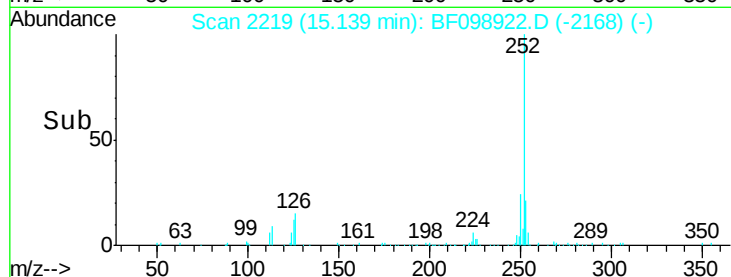
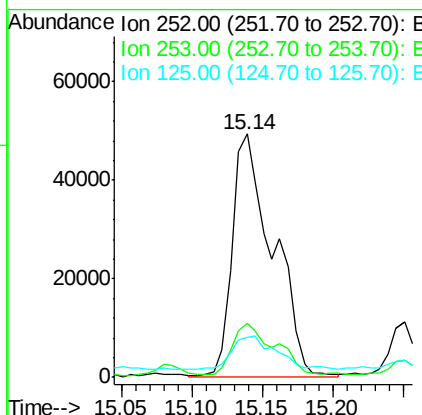
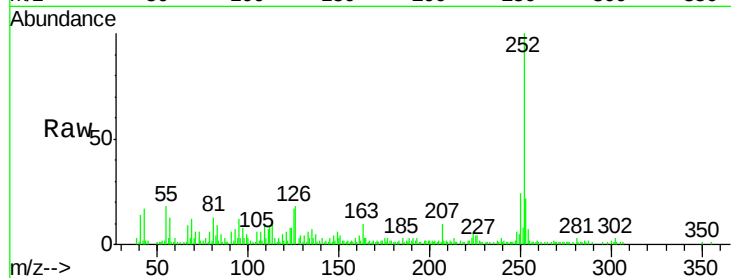




#87
Benzo(b)fluoranthene
Concen: 6.34 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

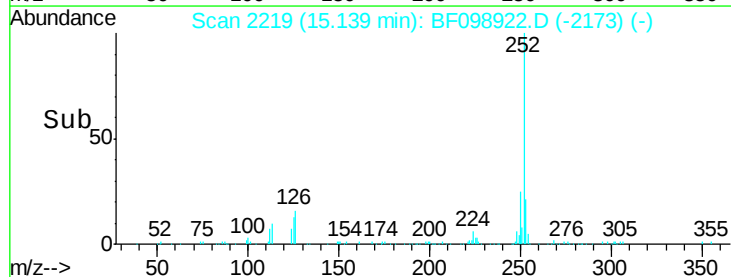
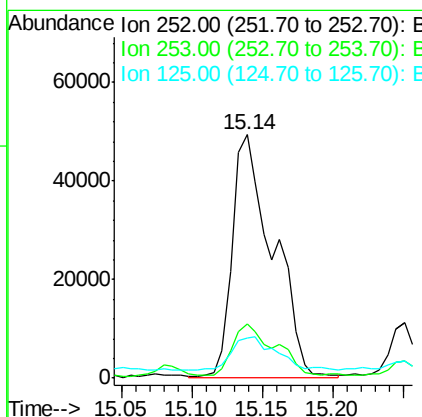
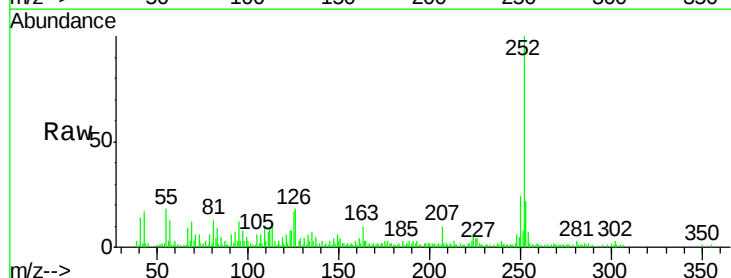
Instrument :
BNA_F
ClientSampleId :

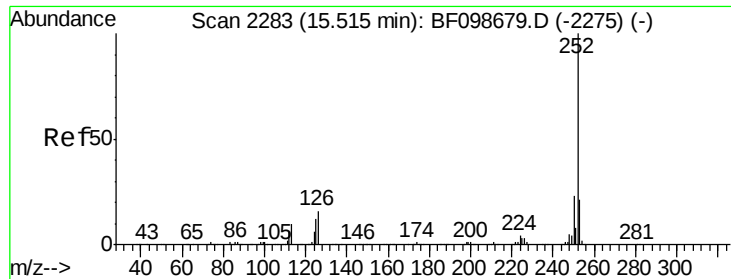
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	16.6	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 6.42 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	16.6	10.2	15.2





#89

Benzo(a)pyrene

Concen: 3.22 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 46490

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

125 18.0 9.8 14.6#

