

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097100.D
 Acq On : 27 Jul 2017 2:47
 Operator : SJ/JU
 Sample : I4391-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 08:22:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

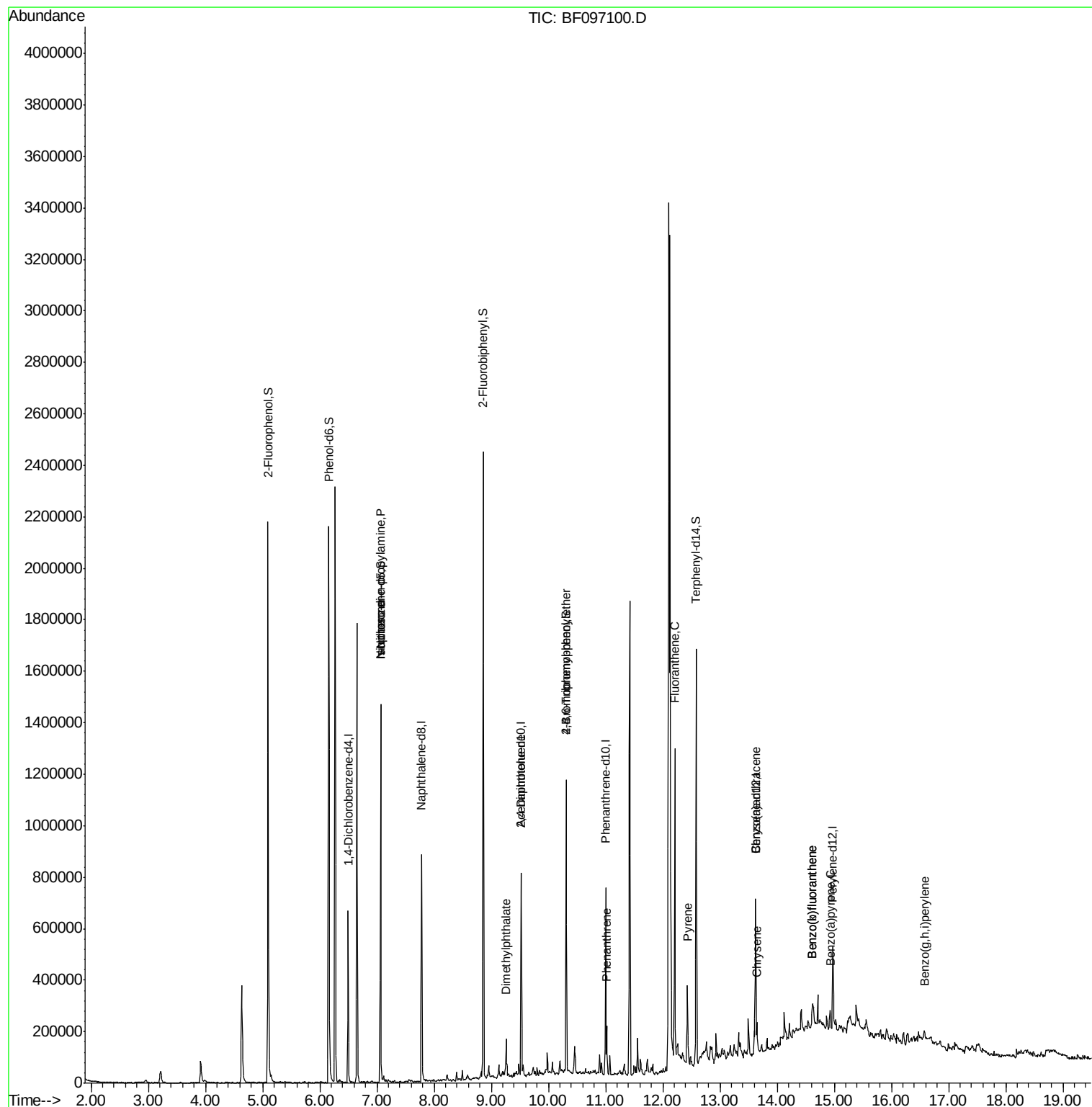
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	97258	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	393300	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	153043	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	231566	20.00	ng	0.00
75) Chrysene-d12	13.63	240	193933	20.00	ng	0.00
86) Perylene-d12	14.97	264	133339	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	645633	100.07	ng	0.00
7) Phenol-d6	6.16	99	749114	101.71	ng	-0.01
23) Nitrobenzene-d5	7.06	82	418043	62.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	112430	92.98	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	746505	82.78	ng	-0.01
78) Terphenyl-d14	12.59	244	477115	50.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	55675	11.484	ng	# 88
25) Isophorone	7.06	82	409780	31.211	ng	# 67
49) Dimethylphthalate	9.26	163	58954	5.073	ng	98
56) 2,4-Dinitrotoluene	9.52	165	20622	7.278	ng	# 34
66) 4-Bromophenyl-phenylether	10.31	248	7189	3.111	ng	# 1
70) Phenanthrene	11.02	178	62715	5.055	ng	96
74) Fluoranthene	12.20	202	110958	9.129	ng	93
77) Pyrene	12.43	202	99210	6.249	ng	99
80) Benzo(a)anthracene	13.62	228	37938	3.023	ng	98
82) Chrysene	13.65	228	41432	3.381	ng	95
87) Benzo(b)fluoranthene	14.62	252	58317	7.276	ng	# 91
88) Benzo(k)fluoranthene	14.62	252	58317	7.635	ng	96
89) Benzo(a)pyrene	14.93	252	27171	3.704	ng	# 92
91) Benzo(a,h,i)perylene	16.57	276	20574	3.261	ng	92

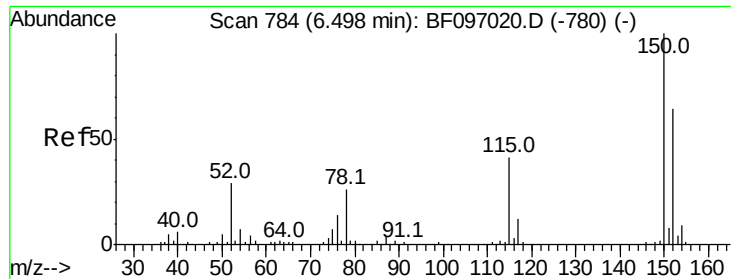
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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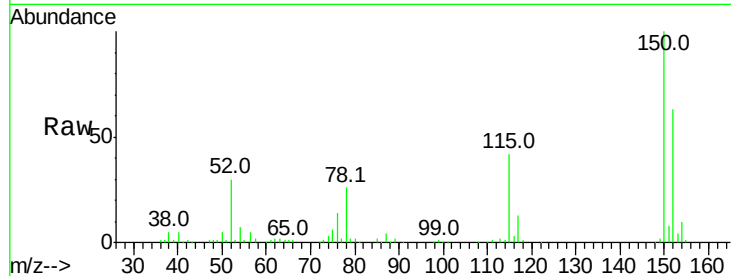


#1

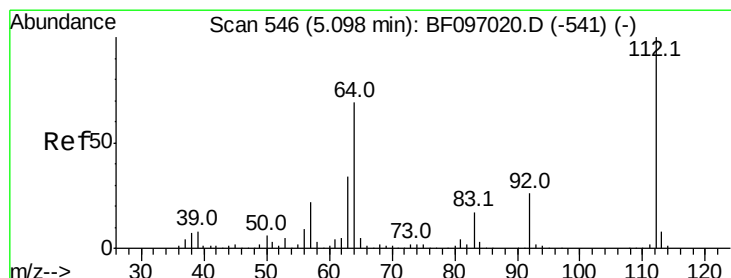
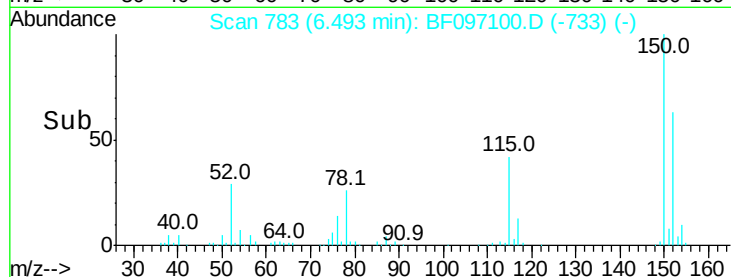
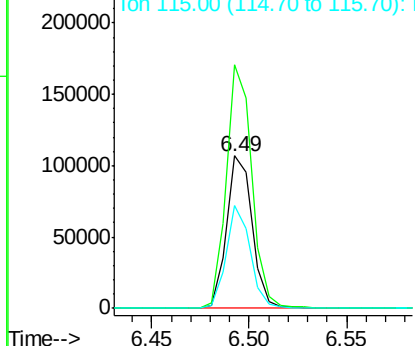
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97258
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 67.0 52.2 78.2



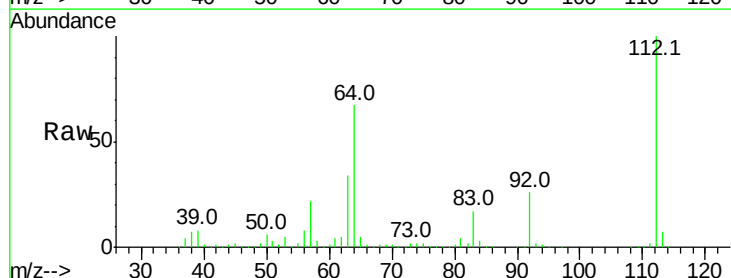
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



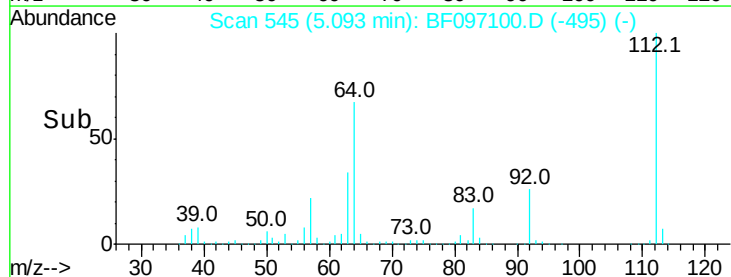
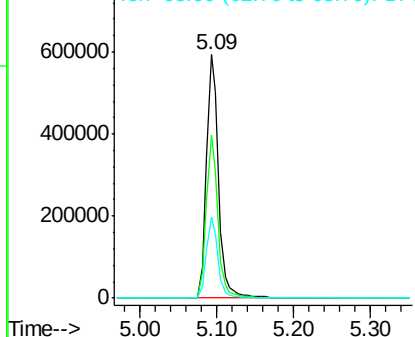
#5

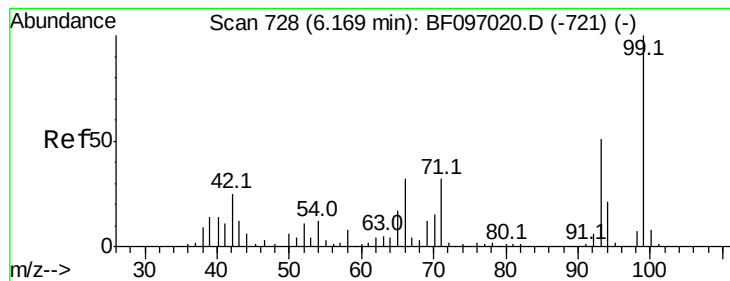
2-Fluorophenol
Concen: 100.072 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:112 Resp: 645633
Ion Ratio Lower Upper
112 100
64 66.9 46.0 69.0
63 33.5 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: 101.708 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

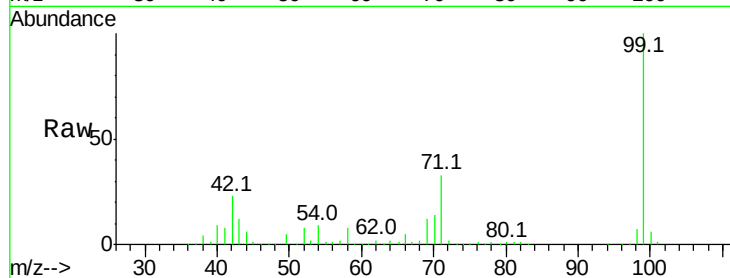
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 749114

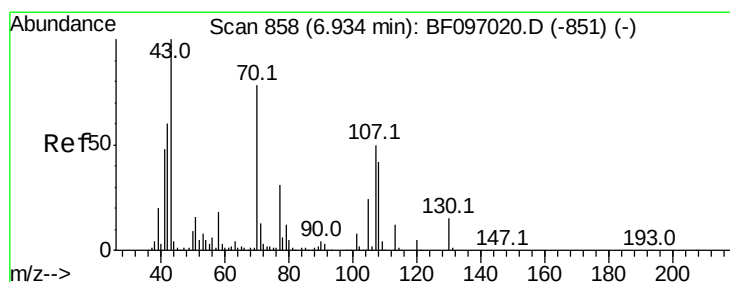
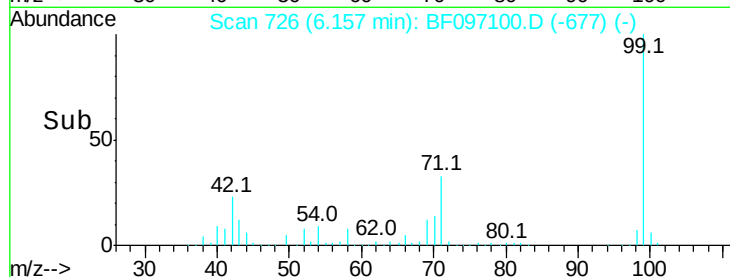
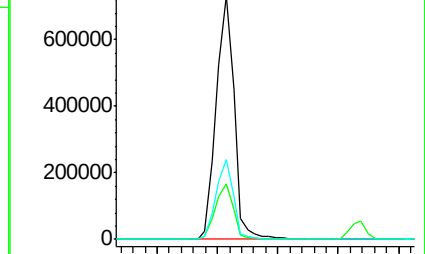
Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	33.0	24.5	36.7



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: 11.484 ng

RT: 7.06 min Scan# 880

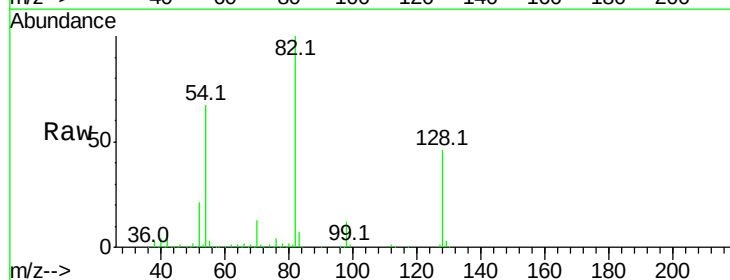
Delta R.T. 0.13 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Tgt Ion: 70 Resp: 55675

Ion	Ratio	Lower	Upper
70	100		
42	59.3	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#

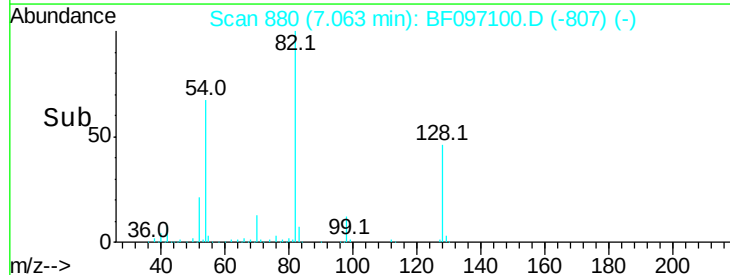
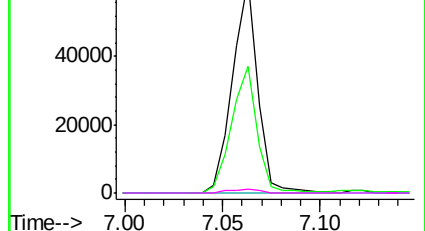


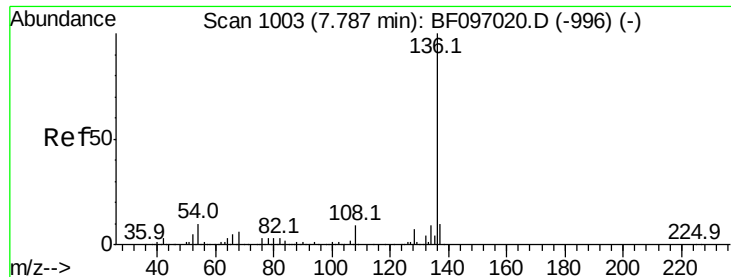
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

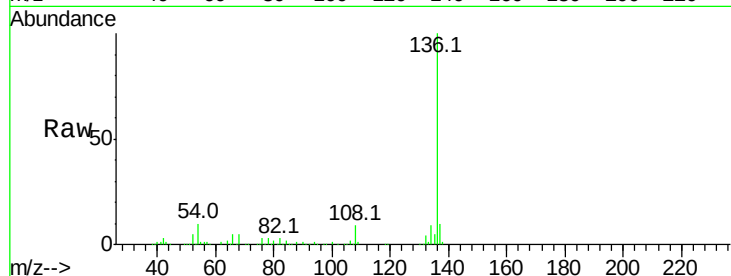




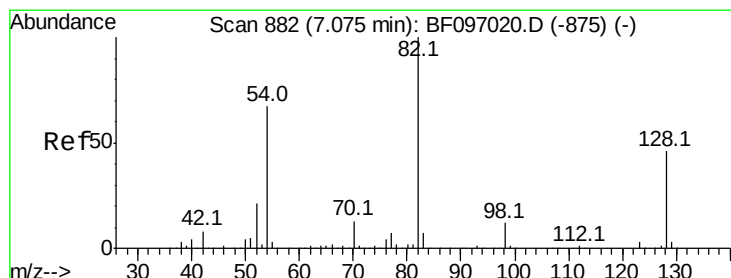
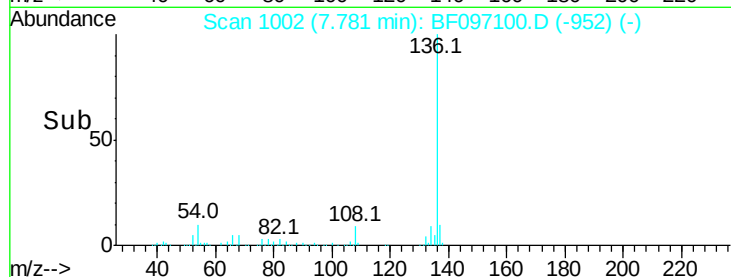
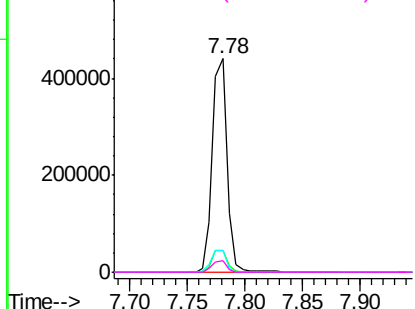
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	393300
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	10.0	4.9	7.3#
68	5.3	4.1	6.1

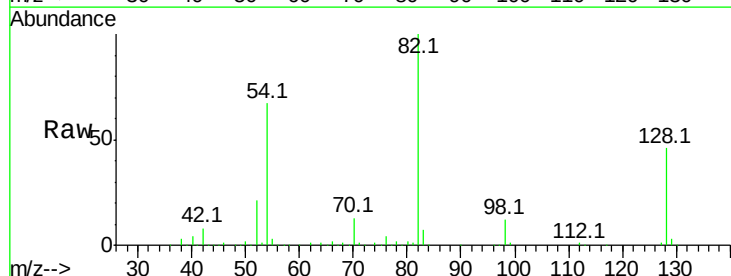


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

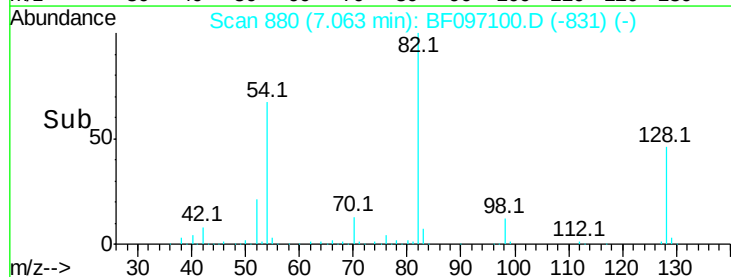
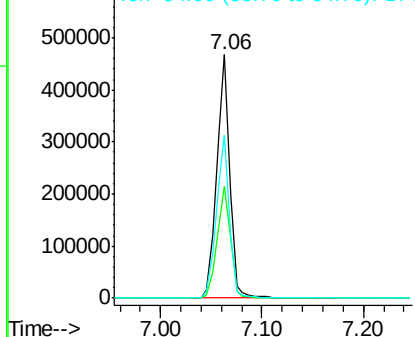


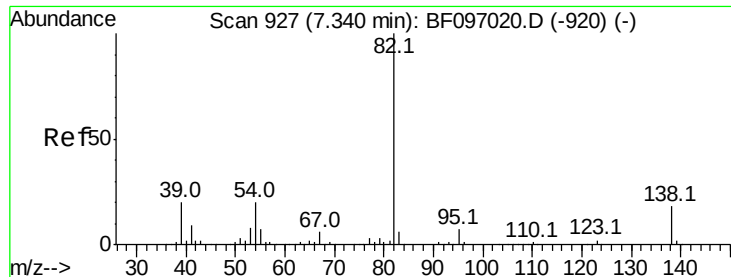
#23
Nitrobenzene-d5
Concen: 62.355 ng
RT: 7.06 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:	82	Resp:	418043
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.0	51.0
54	66.8	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





#25

Isophorone

Concen: 31.211 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

ClientSampleId :

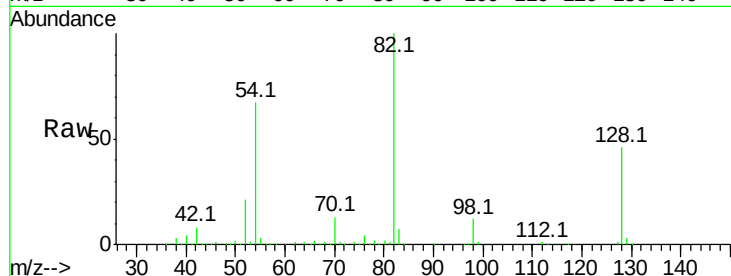
Tot Ion: 82 Resp: 409780

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

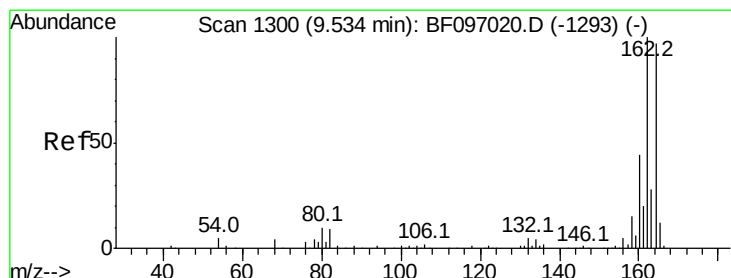
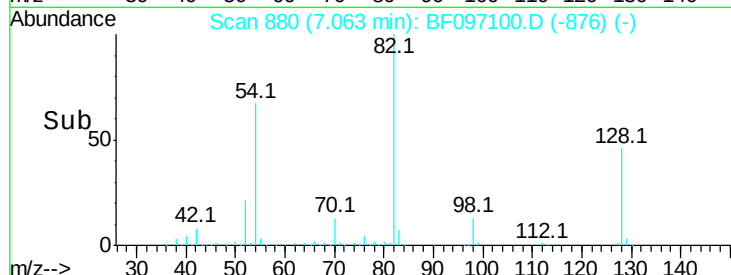
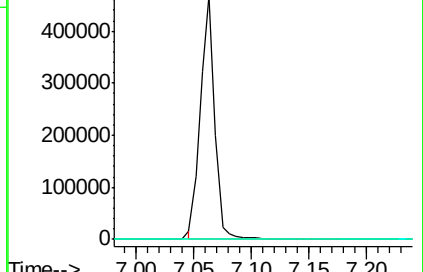
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

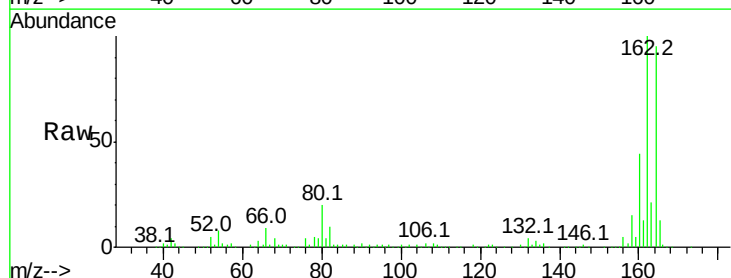
Tgt Ion:164 Resp: 153043

Ion Ratio Lower Upper

164 100

162 105.7 82.6 123.8

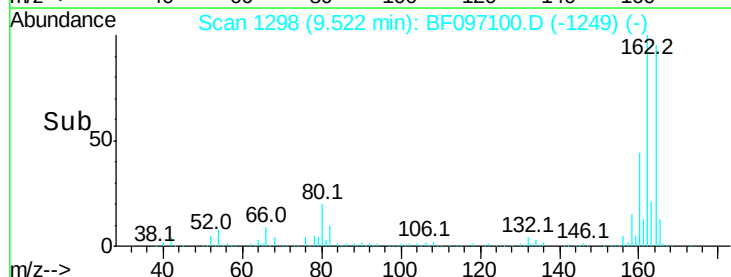
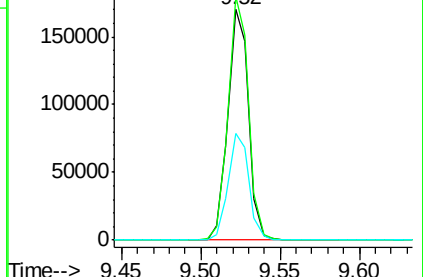
160 46.4 36.2 54.2

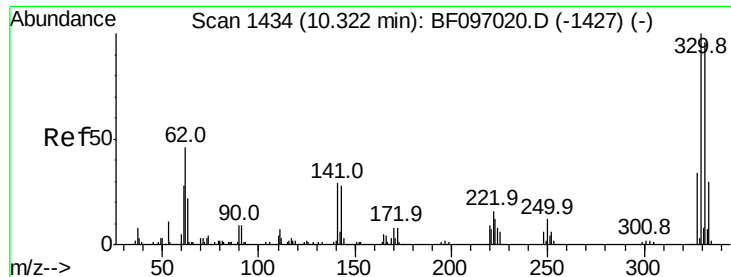


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

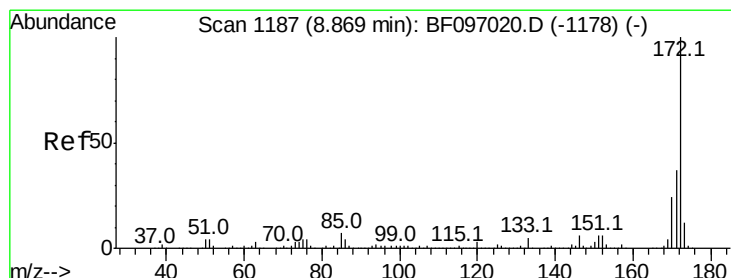
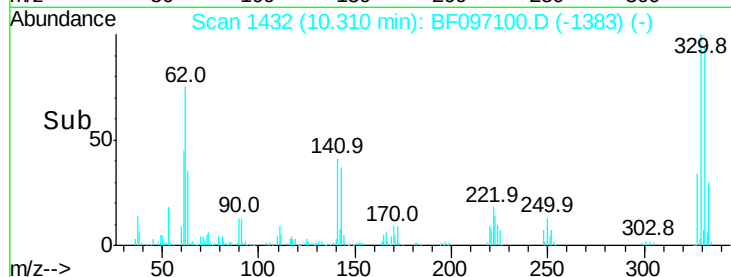
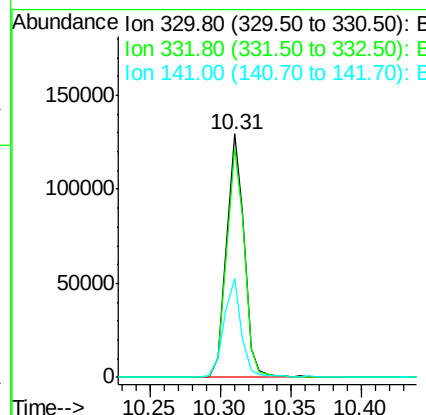
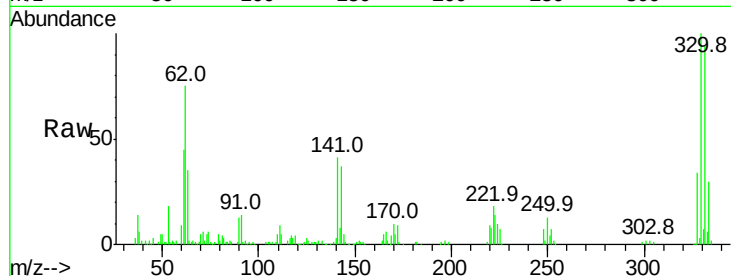




#41
 2,4,6-Tribromophenol
 Concen: 92.980 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF097100.D
 Acq: 27 Jul 2017 2:47

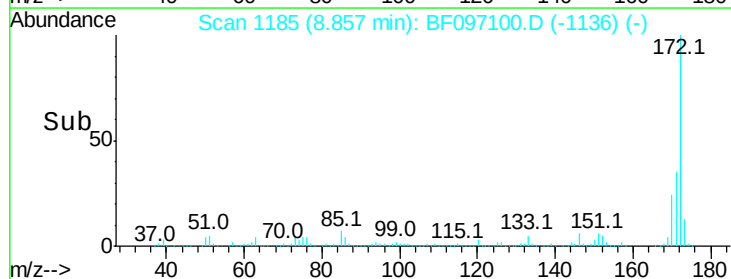
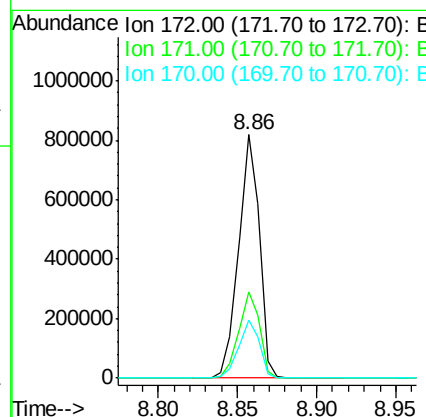
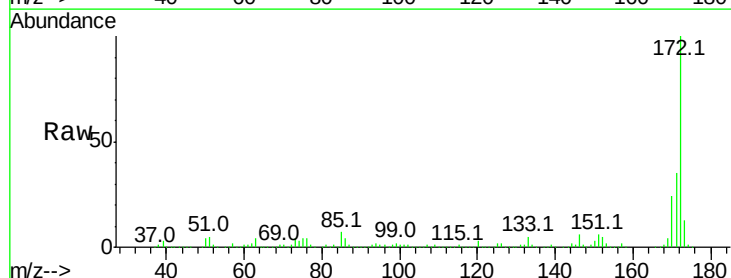
Instrument :
 BNA_F
 ClientSampleId :

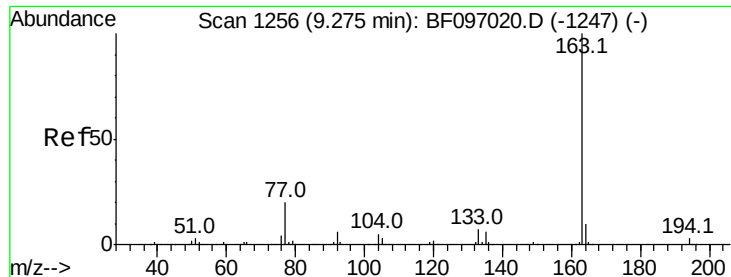
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	41.0	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 82.780 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097100.D
 Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.6	19.8	29.8

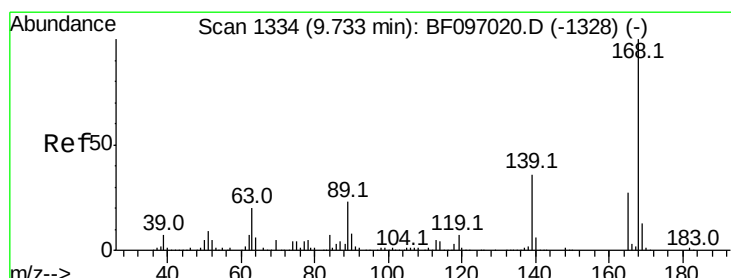
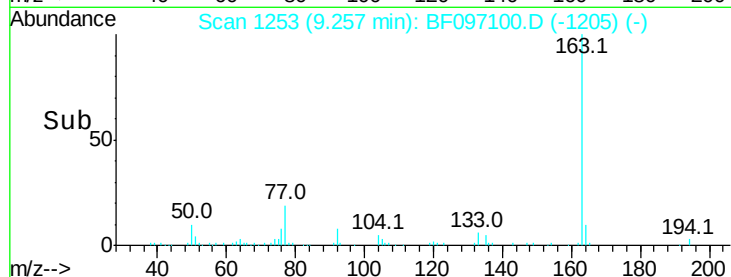
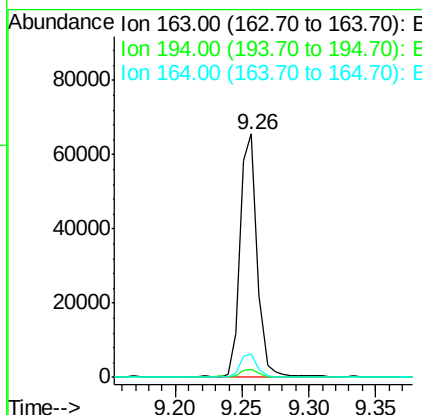
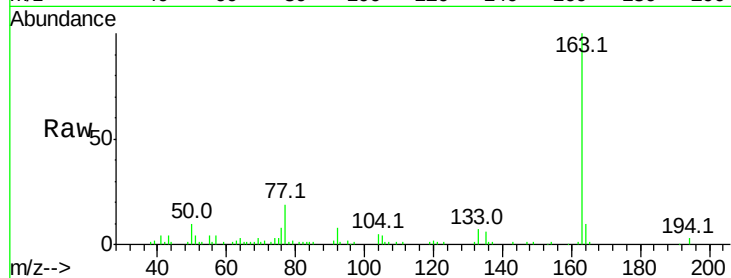




#49
Dimethylphthalate
Concen: 5.073 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

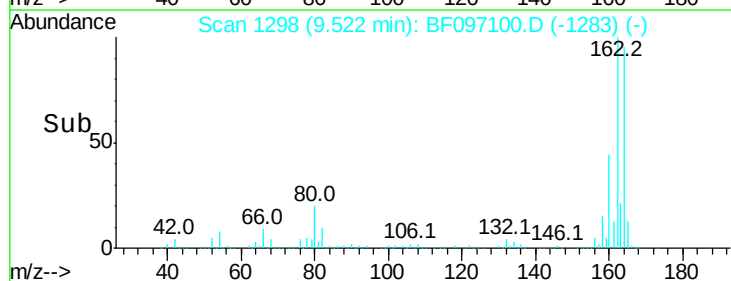
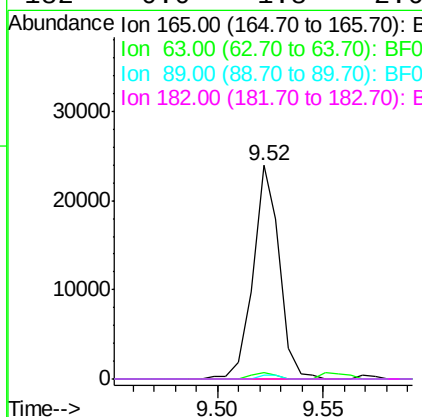
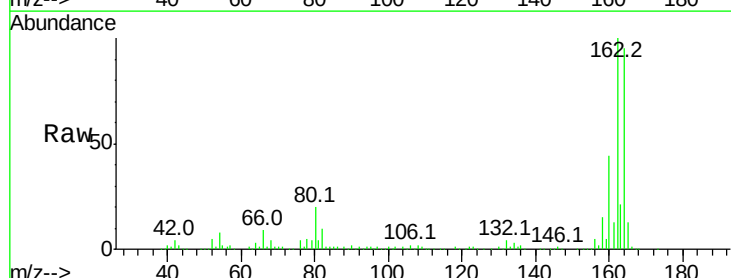
Instrument :
BNA_F
ClientSampleId :

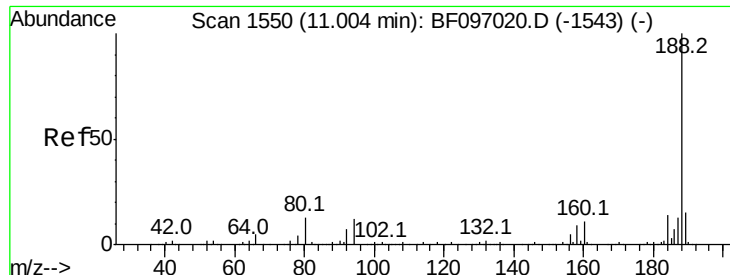
Tot Ion:163 Resp: 58954
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.7 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 7.278 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:165 Resp: 20622
Ion Ratio Lower Upper
165 100
63 2.8 25.4 38.0#
89 1.7 46.4 69.6#
182 0.0 1.8 2.6#

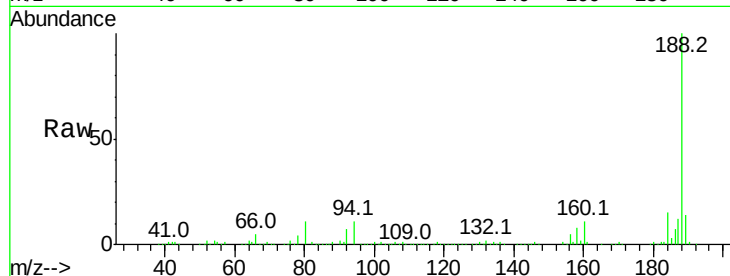




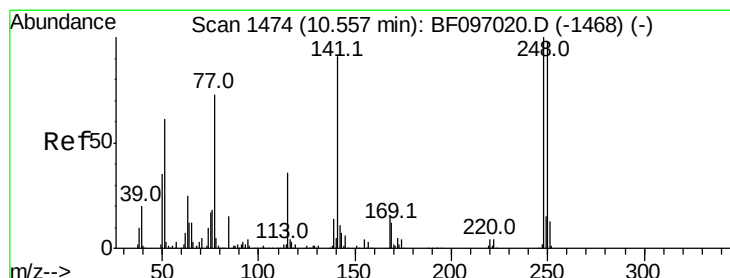
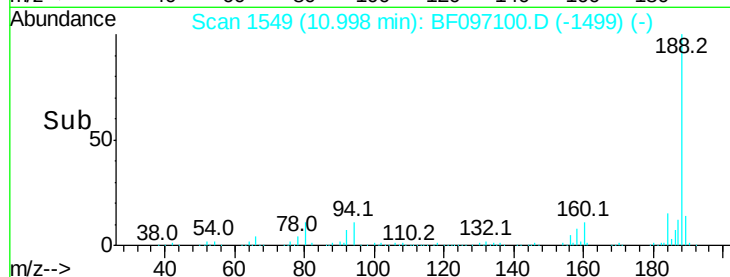
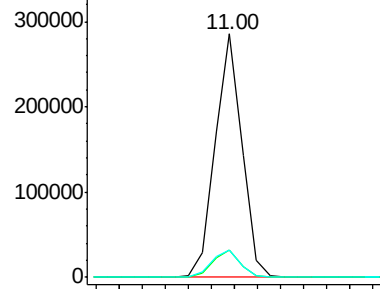
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 231566
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.2 10.2 15.2

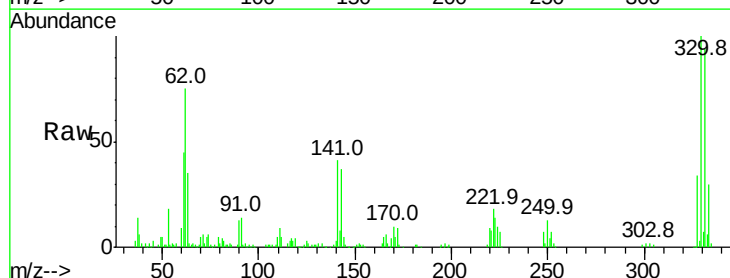


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

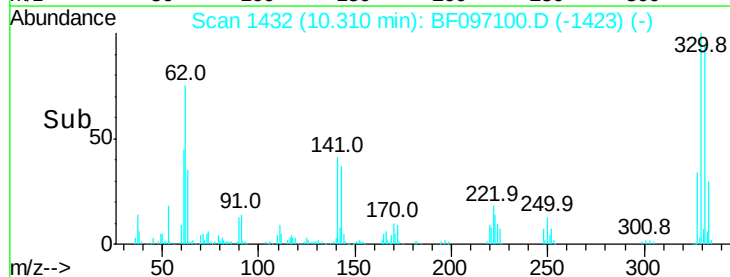
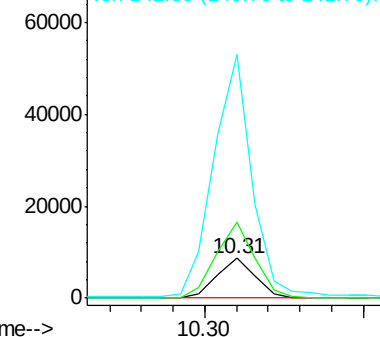


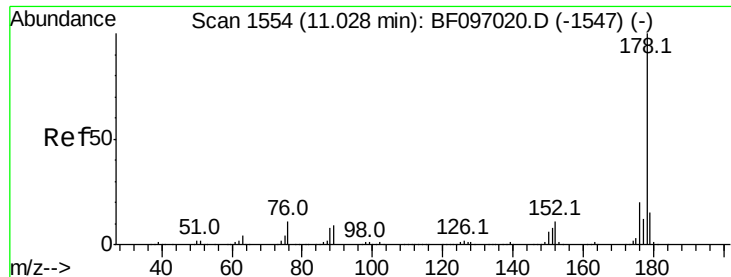
#66
4-Bromophenyl-phenylether
Concen: 3.111 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:248 Resp: 7189
Ion Ratio Lower Upper
248 100
250 193.4 76.8 115.2#
141 615.3 68.6 103.0#



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

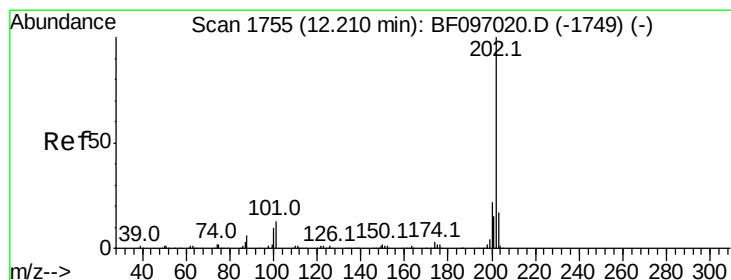
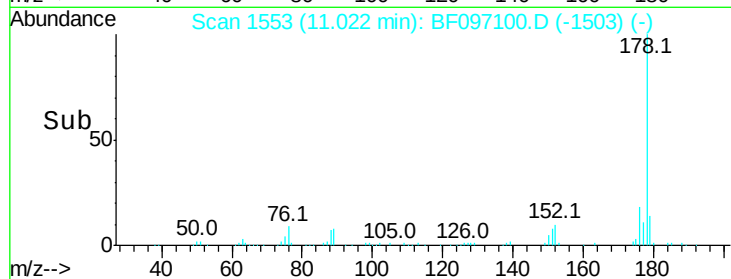
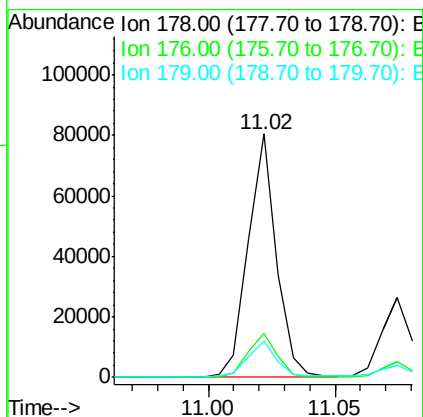
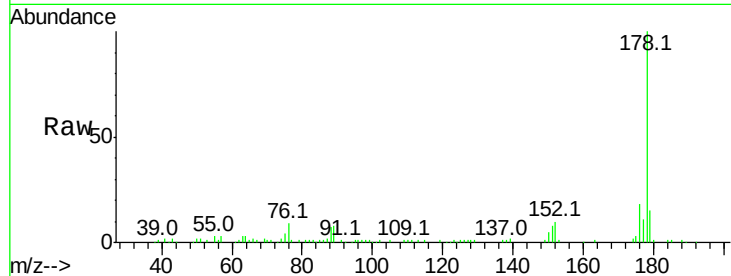




#70
Phenanthrene
Concen: 5.055 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

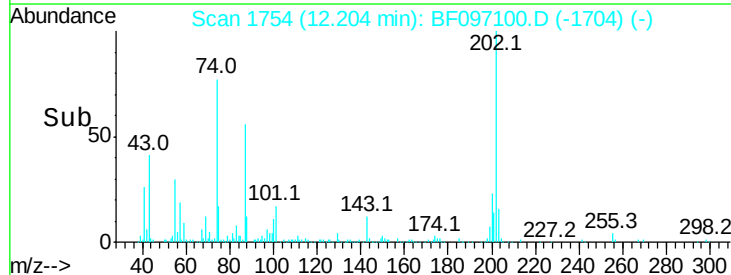
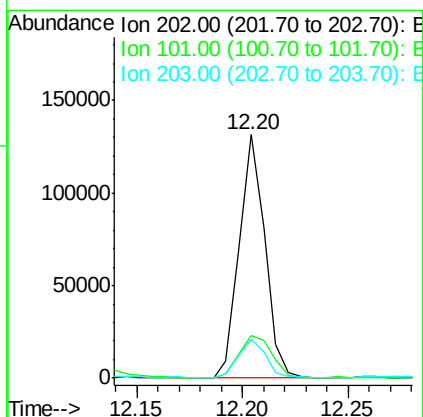
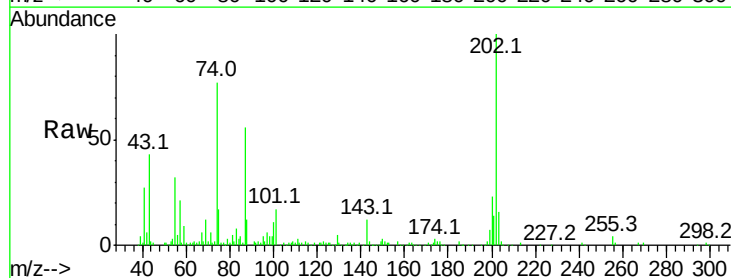
Instrument :
BNA_F
ClientSampleId :

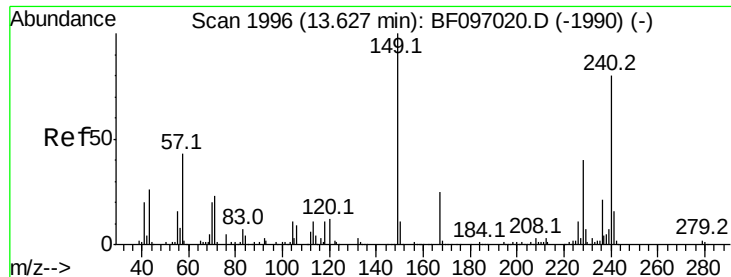
Tot Ion:178 Resp: 62715
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 14.7 12.6 19.0



#74
Fluoranthene
Concen: 9.129 ng
RT: 12.20 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:202 Resp: 110958
Ion Ratio Lower Upper
202 100
101 17.5 0.0 33.2
203 15.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

ClientSampled :

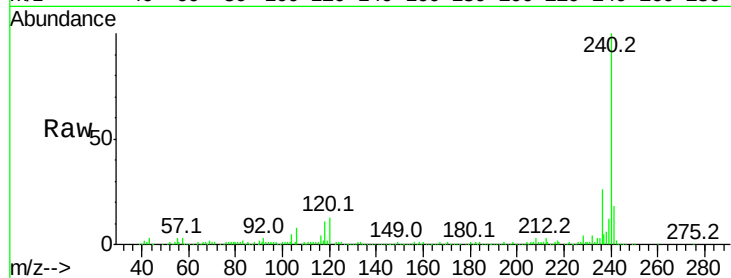
Tot Ion:240 Resp: 193933

Ion Ratio Lower Upper

240 100

120 13.0 5.8 8.8#

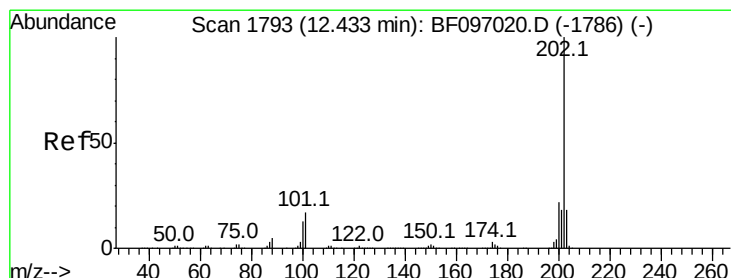
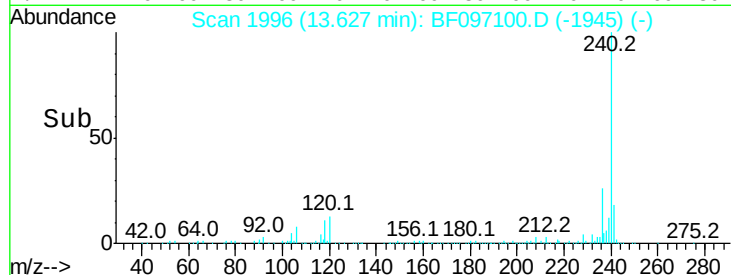
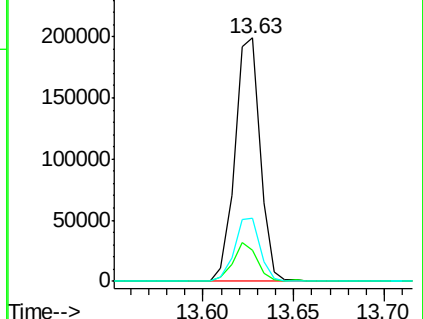
236 26.0 20.5 30.7



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: 6.249 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

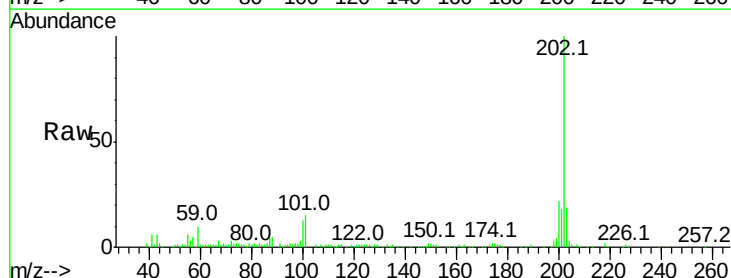
Tgt Ion:202 Resp: 99210

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

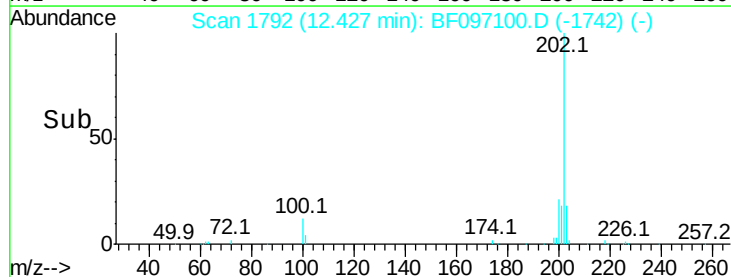
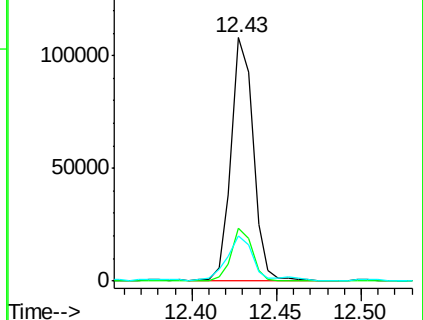
203 18.5 14.4 21.6

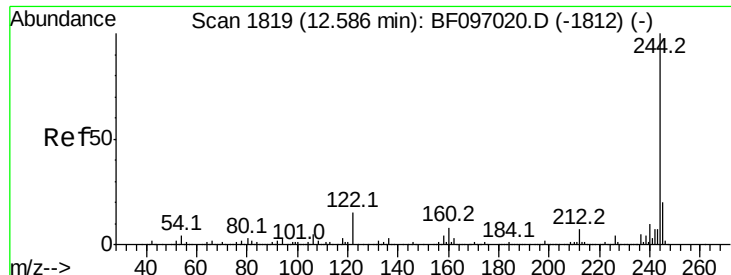


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.160 ng

RT: 12.59 min Scan# 1819

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

ClientSampleId :

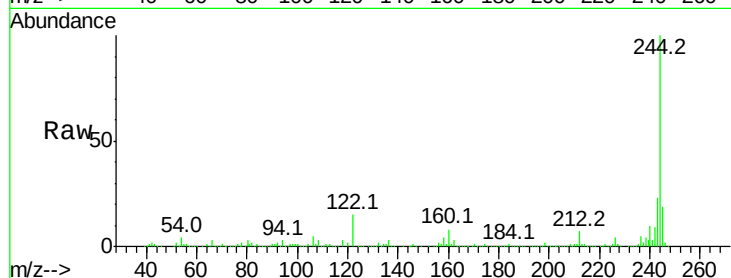
Tot Ion:244 Resp: 477115

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

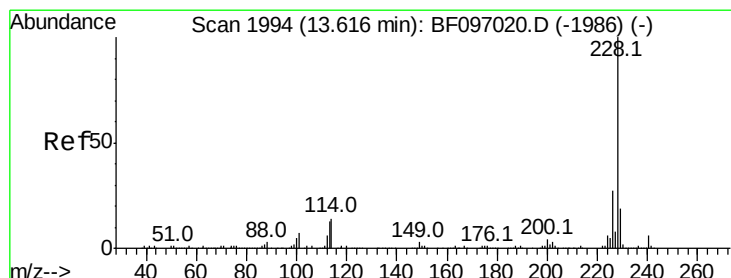
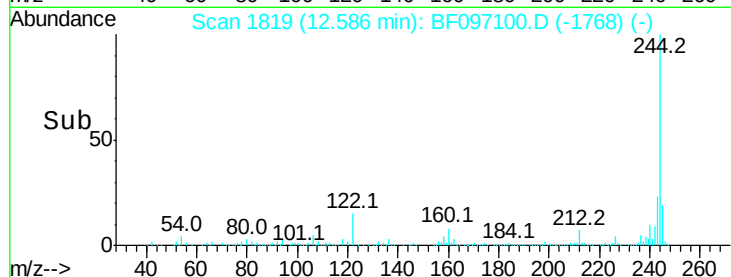
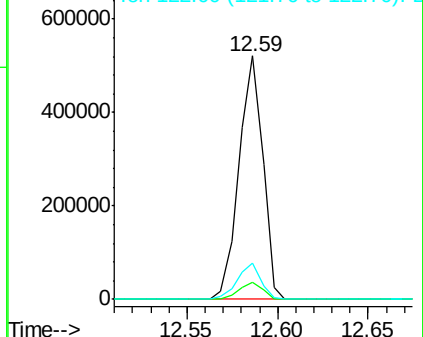
122 15.1 10.3 15.5



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: 3.023 ng

RT: 13.62 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

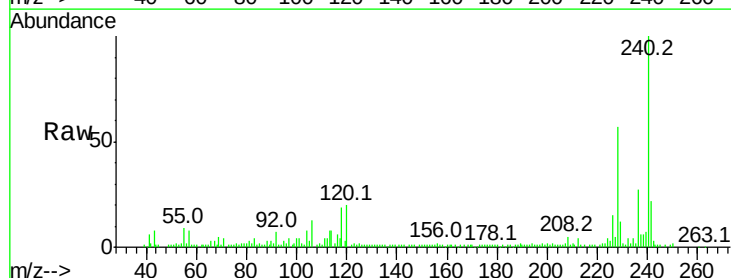
Tgt Ion:228 Resp: 37938

Ion Ratio Lower Upper

228 100

226 26.9 22.6 33.8

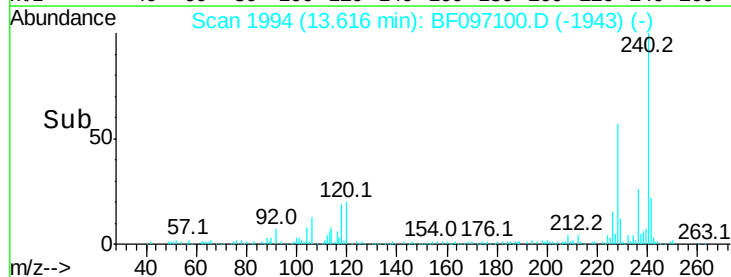
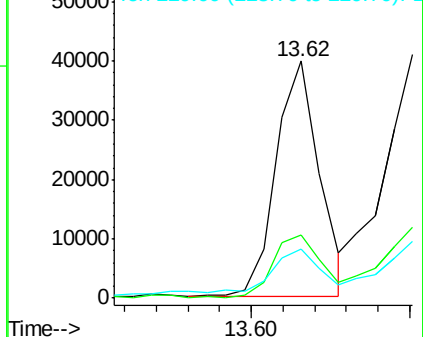
229 20.5 16.3 24.5

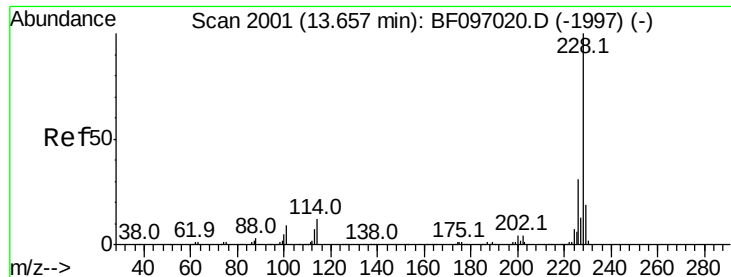


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.381 ng

RT: 13.65 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

Instrument :

BNA_F

ClientSampleId :

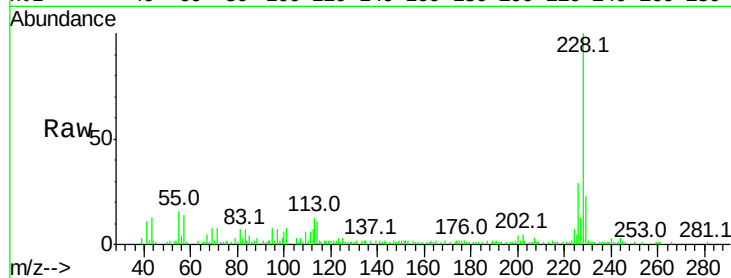
Tot Ion:228 Resp: 41432

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

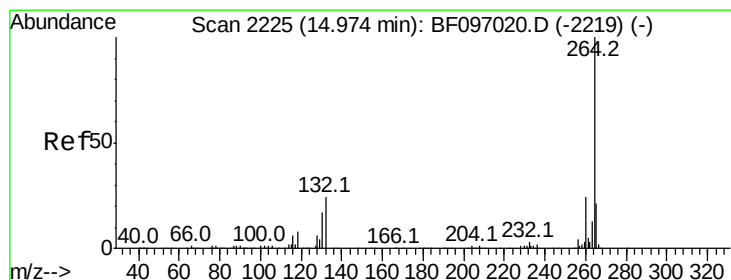
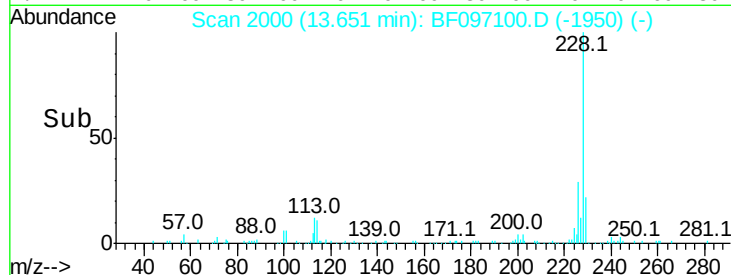
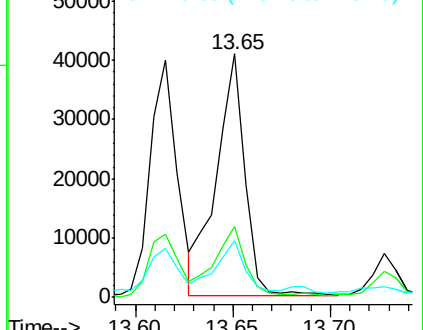
229 23.4 15.8 23.6



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: 20.000 ng

RT: 14.97 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BF097100.D

Acq: 27 Jul 2017 2:47

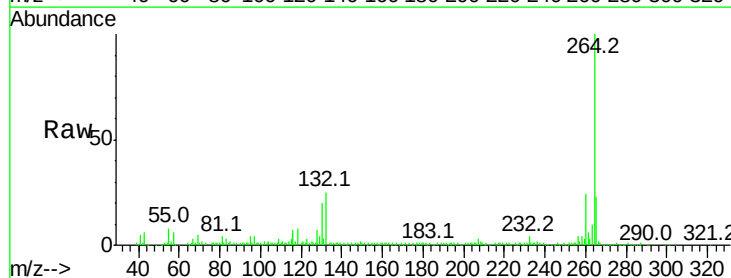
Tgt Ion:264 Resp: 133339

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

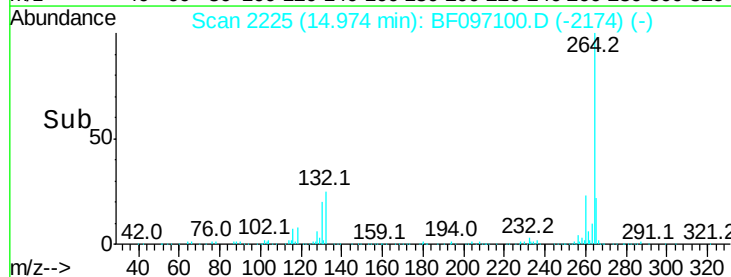
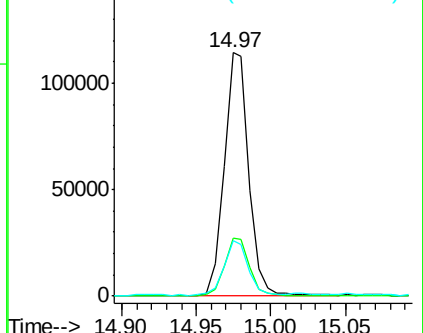
265 22.7 17.2 25.8

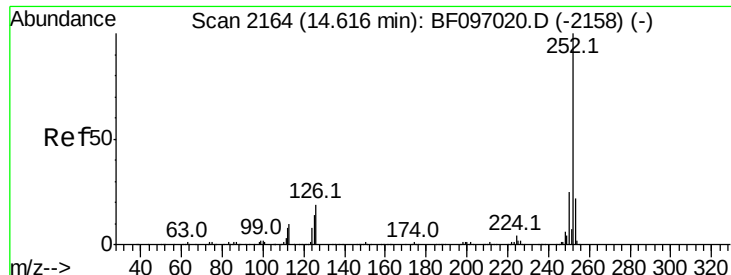


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

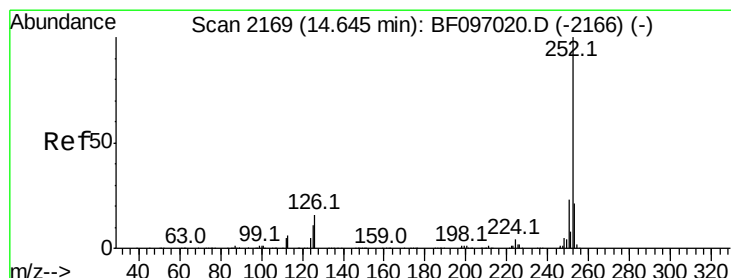
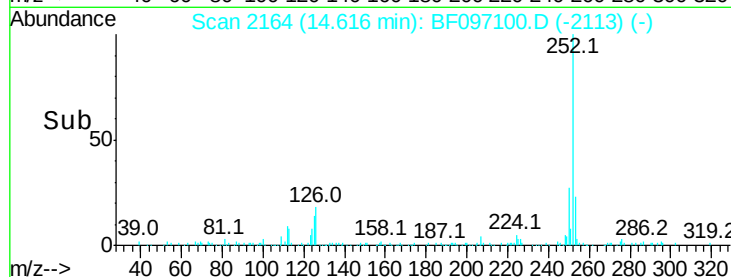
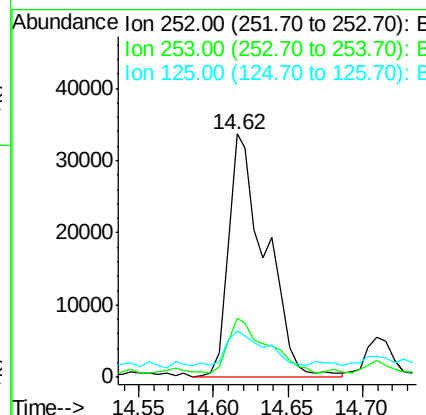
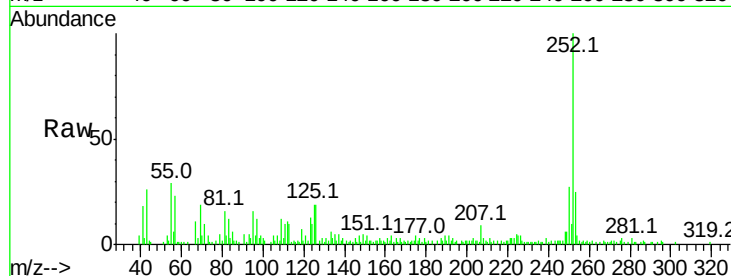




#87
Benzo(b)fluoranthene
Concen: 7.276 ng
RT: 14.62 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

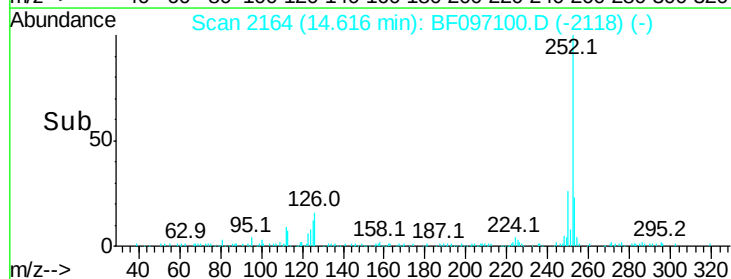
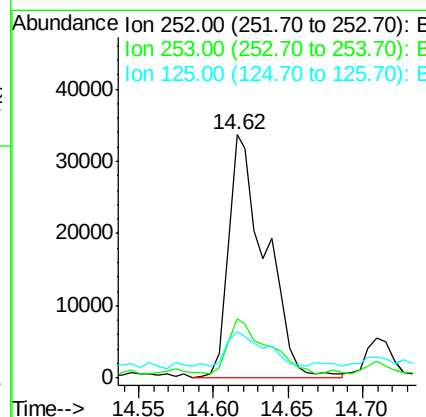
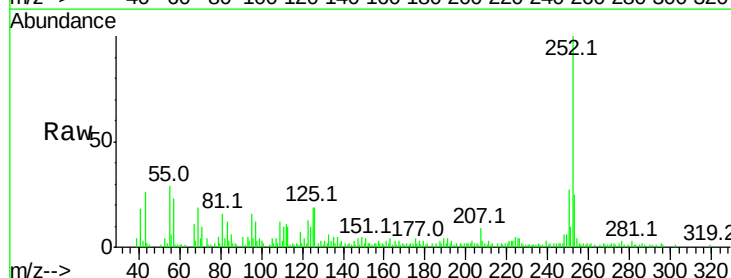
Instrument :
BNA_F
ClientSampleId :

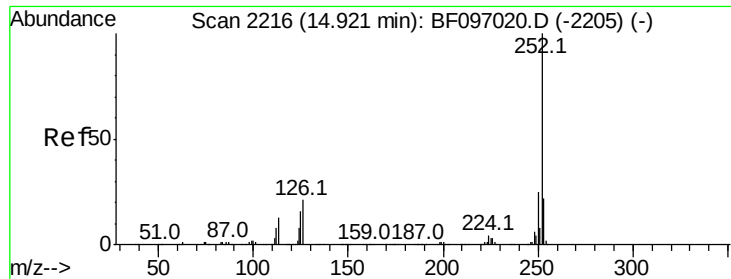
Tot Ion:252 Resp: 58317
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 19.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 7.635 ng
RT: 14.62 min Scan# 2164
Delta R.T. -0.03 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion:252 Resp: 58317
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 19.1 13.1 19.7

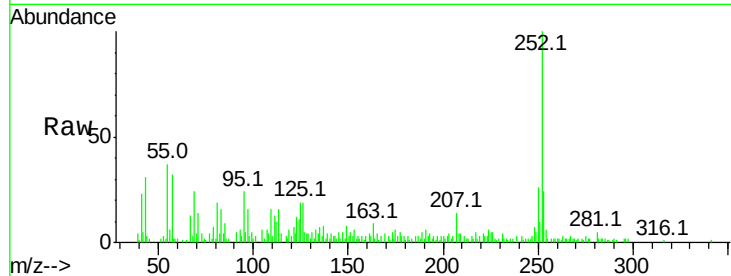




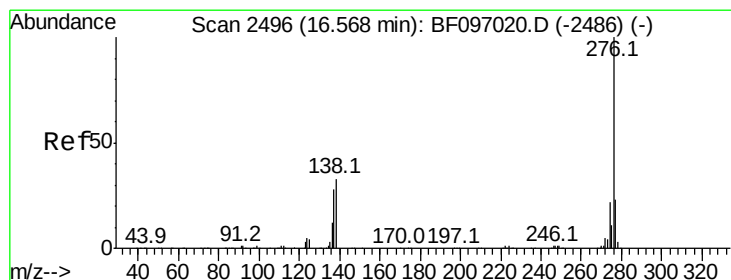
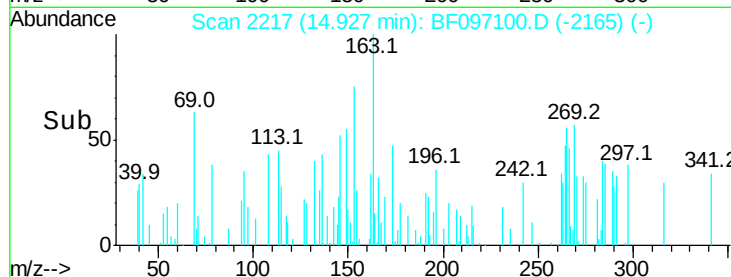
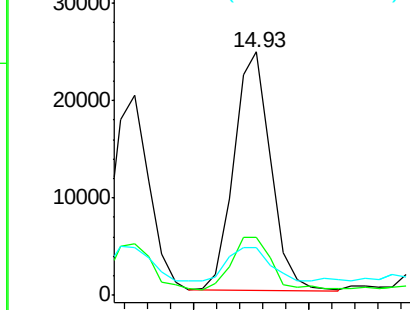
#89
Benzo(a)pyrene
Concen: 3.704 ng
RT: 14.93 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	19.4	11.0	16.4

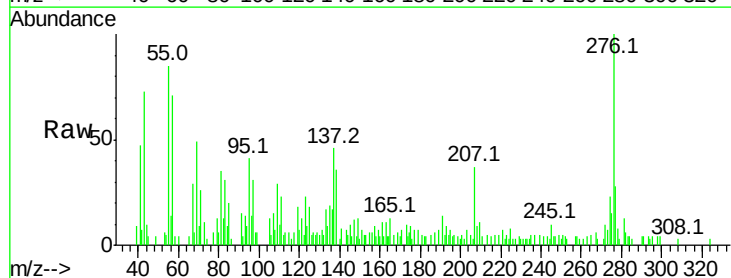


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.261 ng
RT: 16.57 min Scan# 2497
Delta R.T. 0.01 min
Lab File: BF097100.D
Acq: 27 Jul 2017 2:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.6	28.0
138	36.1	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

