

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097400.D
 Acq On : 5 Aug 2017 16:37
 Operator : SJ/JU
 Sample : I4610-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 06 01:08:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.42	152	135494	20.00	ng	-0.08
21) Naphthalene-d8	7.71	136	503422	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	218972	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	239138	20.00	ng	-0.08
75) Chrysene-d12	13.57	240	144530	20.00	ng	-0.06
86) Perylene-d12	14.90	264	148815	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	762968	84.89	ng	-0.08
7) Phenol-d6	6.10	99	926764	90.32	ng	-0.07
23) Nitrobenzene-d5	7.00	82	569434	66.36	ng	-0.08
41) 2,4,6-Tribromophenol	10.25	330	123056	71.13	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	847634	65.69	ng	-0.08
78) Terphenyl-d14	12.51	244	471524	66.52	ng	-0.08

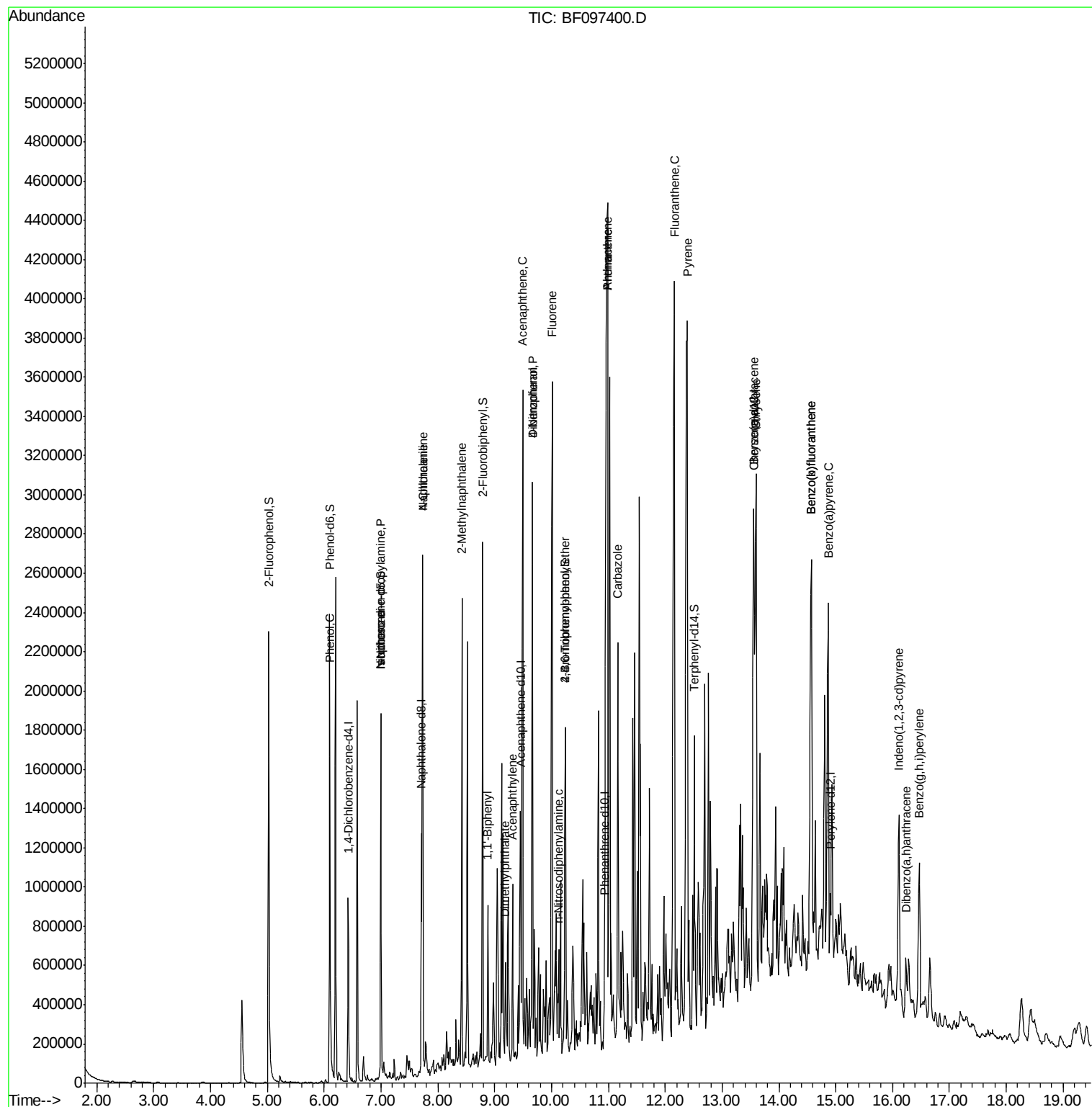
Target Compounds				Qvalue		
10) Phenol	6.11	94	29158	2.40	ng	85
19) n-Nitroso-di-n-propylamine	7.00	70	75234	11.14	ng	# 87
25) Isophorone	7.00	82	555728	33.07	ng	# 67
31) Naphthalene	7.73	128	1261308	53.15	ng	100
33) 4-Chloroaniline	7.73	127	170703	17.68	ng	# 34
37) 2-Methylnaphthalene	8.42	142	637838	42.45	ng	98
45) 1,1'-Biphenyl	8.88	154	174473	9.33	ng	98
48) Acenaphthylene	9.31	152	228259	10.80	ng	# 95
49) Dimethylphthalate	9.19	163	130809	7.87	ng	99
51) Acenaphthene	9.49	154	874346	70.26	ng	97
54) Dibenzofuran	9.66	168	1118392	67.47	ng	96
55) 4-Nitrophenol	9.66	139	452023	173.64	ng	# 27
57) Fluorene	10.01	166	1376826	110.52	ng	98
65) n-Nitrosodiphenylamine	10.12	169	32594	3.92	ng	# 62
66) 4-Bromophenyl-phenylether	10.24	248	7942	3.33	ng	# 1
70) Phenanthrene	10.99	178	4173420	325.71	ng	100
71) Anthracene	10.99	178	4173420	318.01	ng	99
72) Carbazole	11.17	167	813536	63.03	ng	100
74) Fluoranthene	12.16	202	3748765	298.65	ng	99
77) Pvrene	12.39	202	3014666	254.78	ng	98
80) Benzo(a)anthracene	13.56	228	1879211	200.95	ng	97
82) Chrysene	13.60	228	1394905	152.76	ng	96
85) Indeno(1,2,3-cd)pyrene	16.12	276	670451	85.62	ng	# 92
87) Benzo(b)fluoranthene	14.56	252	2125894	237.65	ng	98
88) Benzo(k)fluoranthene	14.56	252	2125894	249.39	ng	97
89) Benzo(a)pyrene	14.87	252	1112433	135.87	ng	98
90) Dibenzo(a,h)anthracene	16.23	278	152586	22.73	ng	94
91) Benzo(g,h,i)perylene	16.47	276	613156	87.09	ng	98

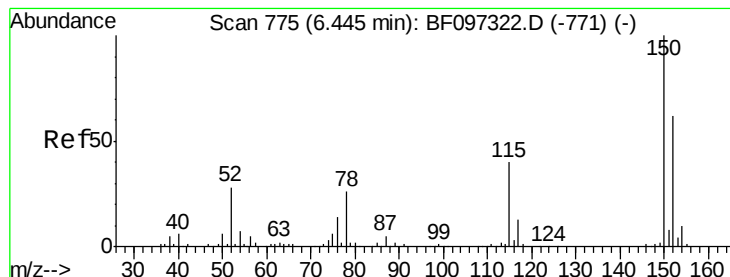
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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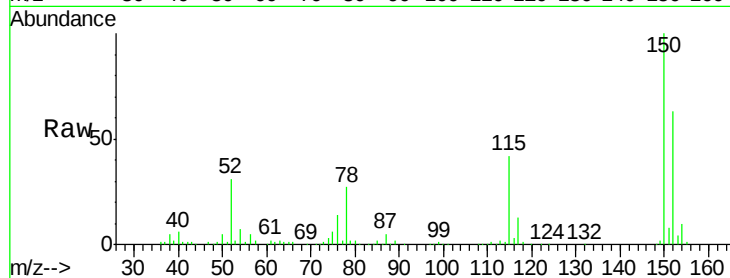


#1

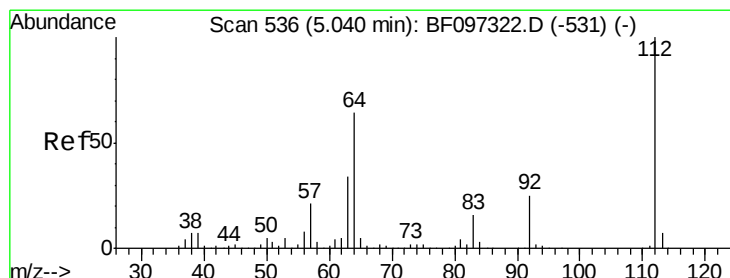
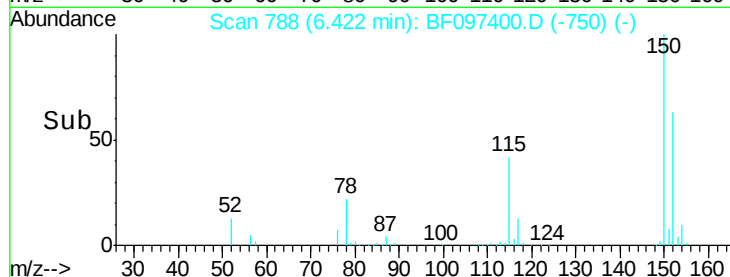
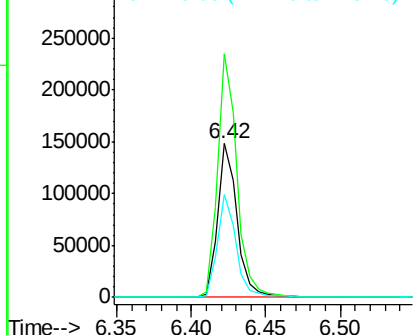
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.42 min Scan# 788
Delta R.T. -0.08 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 135494
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 67.0 52.2 78.2



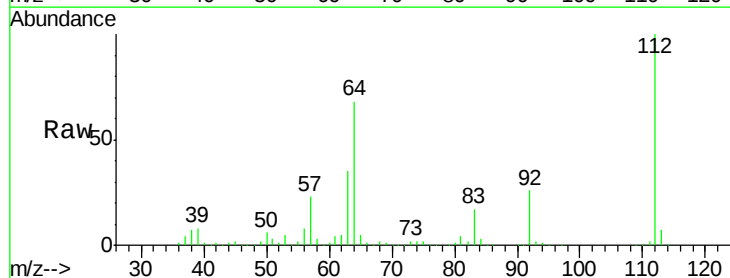
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



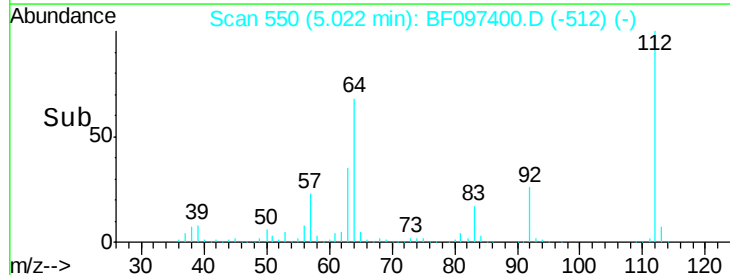
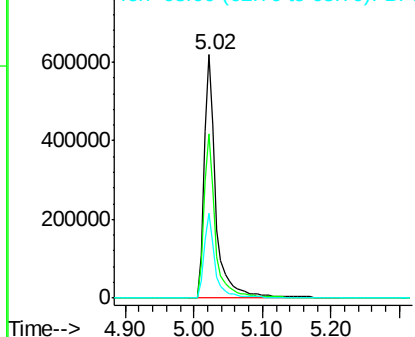
#5

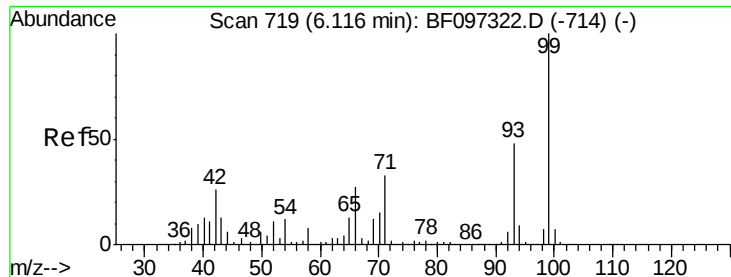
2-Fluorophenol
Concen: 84.89 ng
RT: 5.02 min Scan# 550
Delta R.T. -0.08 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Tgt Ion:112 Resp: 762968
Ion Ratio Lower Upper
112 100
64 67.6 46.0 69.0
63 34.8 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: 90.32 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

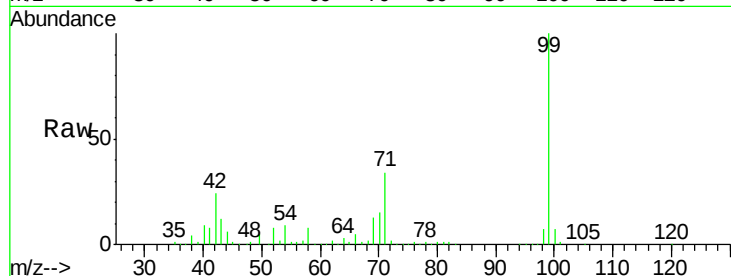
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 926764

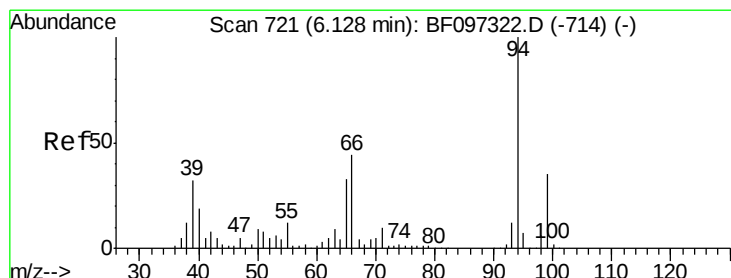
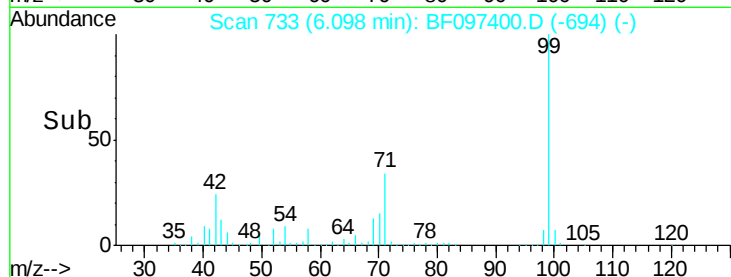
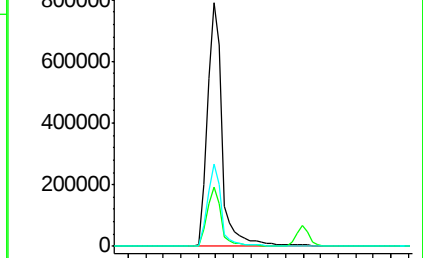
Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.5	20.3#
71	33.7	24.5	36.7



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



#10

Phenol

Concen: 2.40 ng

RT: 6.11 min Scan# 735

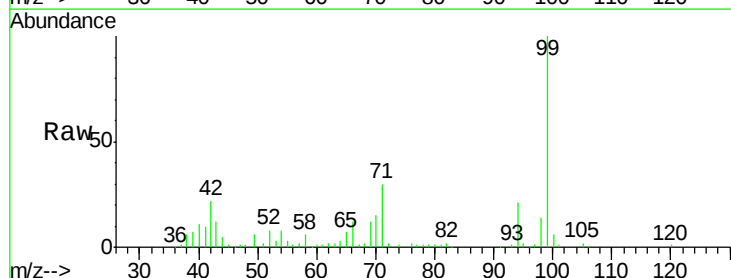
Delta R.T. -0.07 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Tgt Ion: 94 Resp: 29158

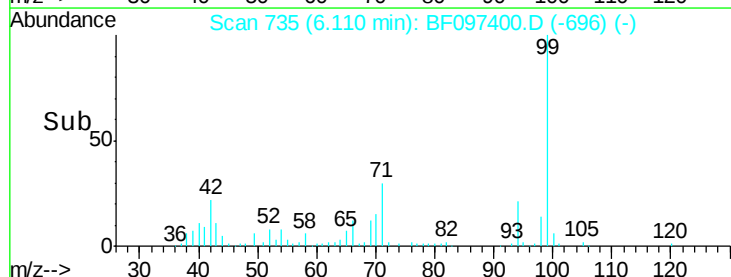
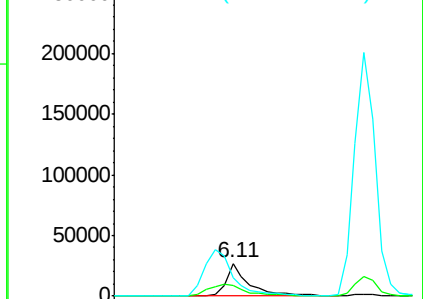
Ion	Ratio	Lower	Upper
94	100		
65	33.1	9.9	49.9
66	56.3	23.1	63.1

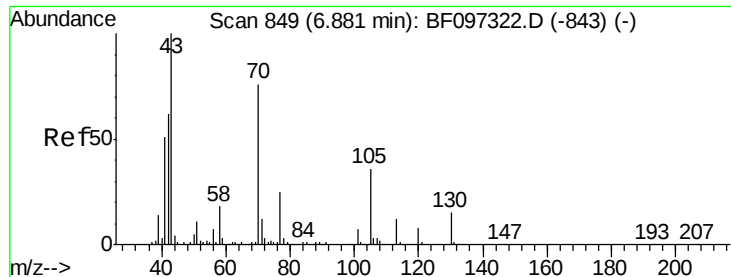


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

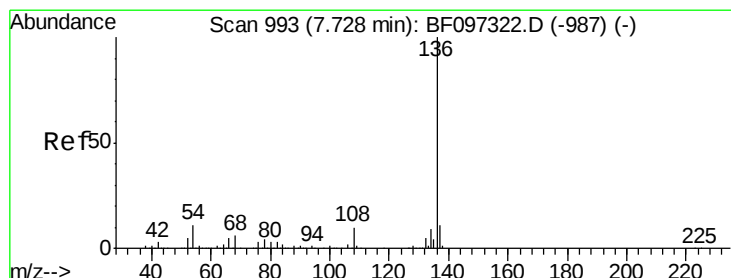
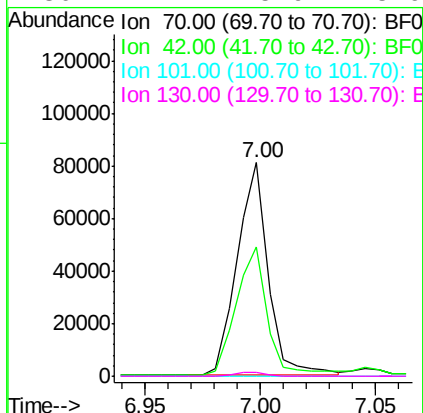
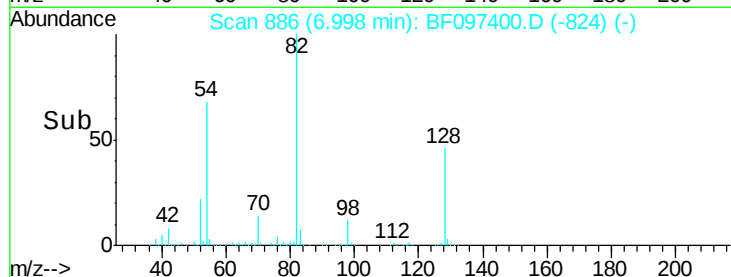
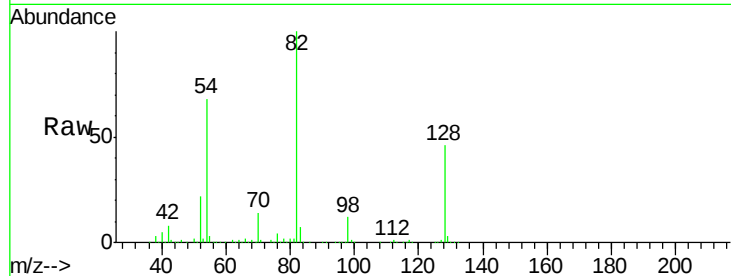




#19
n-Nitroso-di-n-propylamine
Concen: 11.14 ng
RT: 7.00 min Scan# 886
Delta R.T. 0.06 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

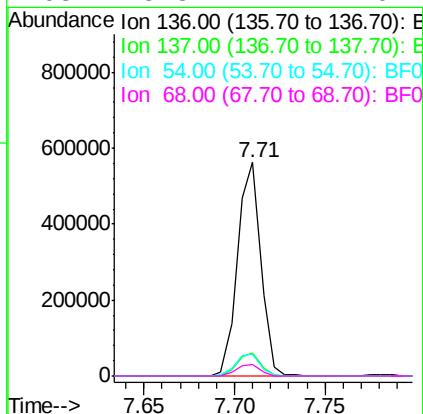
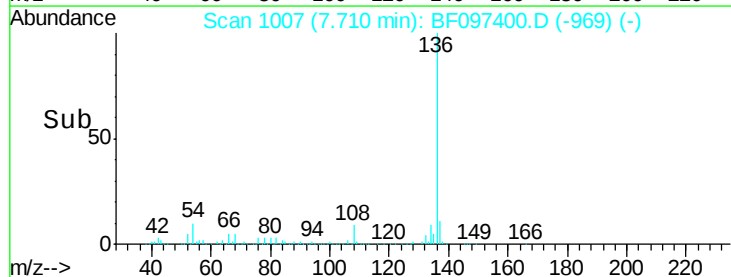
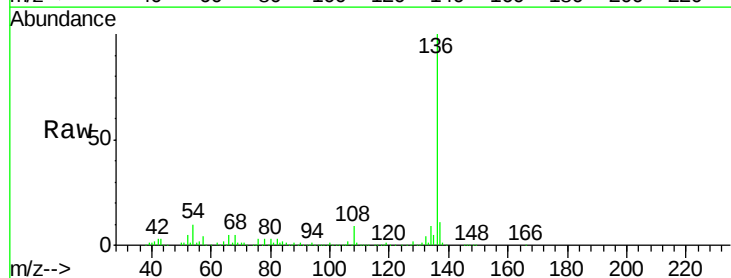
Instrument :
BNA_F
ClientSampleId :

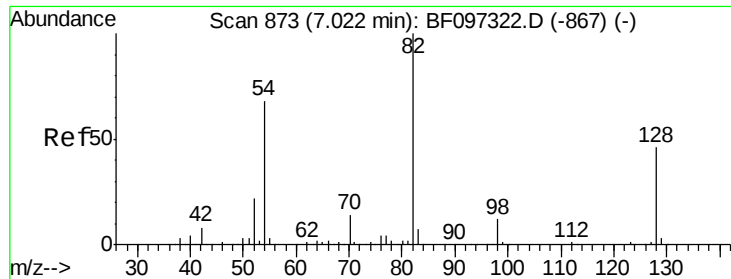
Tot Ion: 70 Resp: 75234
Ion Ratio Lower Upper
70 100
42 60.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.08 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Tgt Ion: 136 Resp: 503422
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.2 4.9 7.3#
68 5.3 4.1 6.1

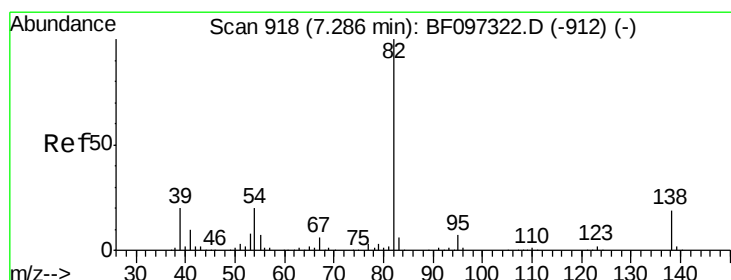
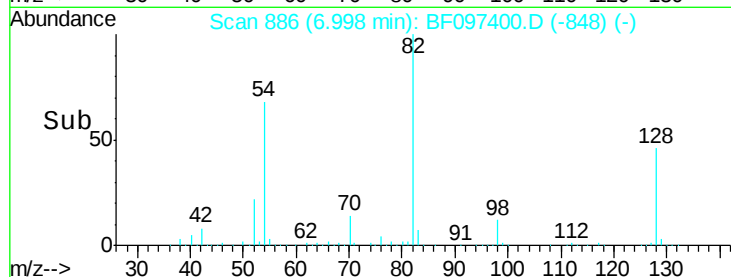
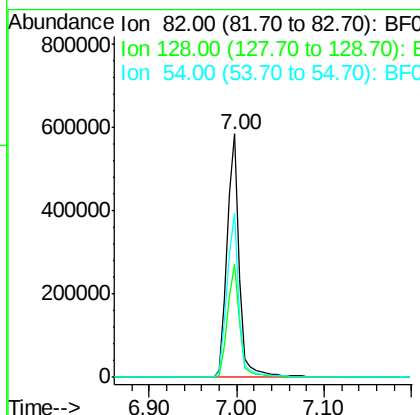
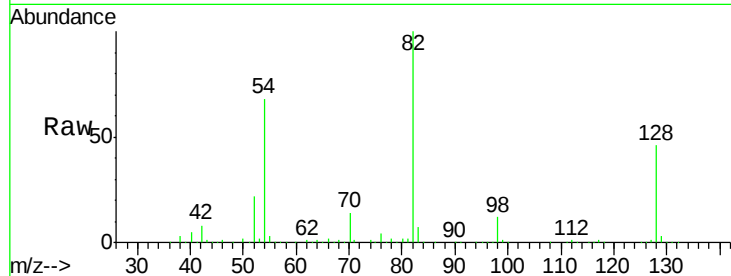




#23
 Nitrobenzene-d5
 Concen: 66.36 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

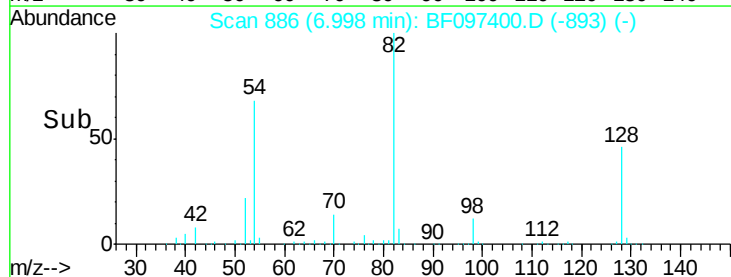
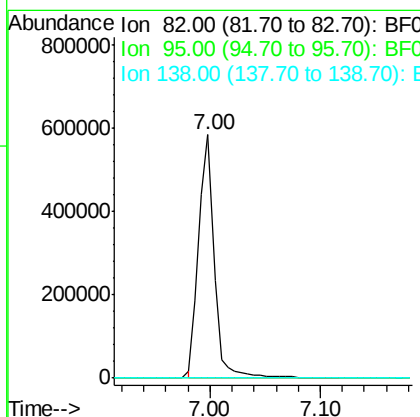
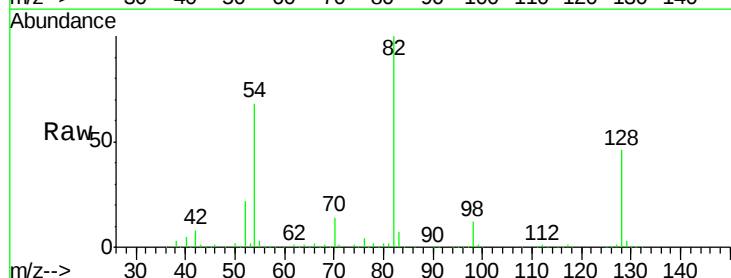
Instrument :
 BNA_F
 ClientSampleId :

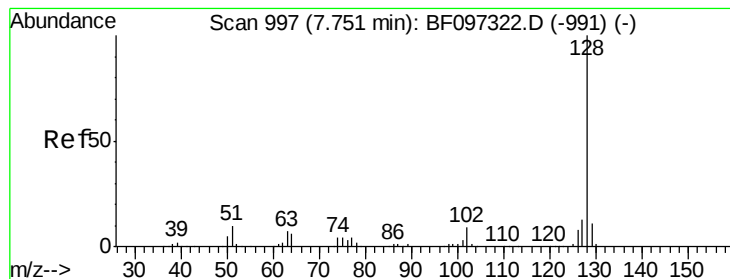
Tot Ion: 82 Resp: 569434
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.0 51.0
 54 67.7 42.2 63.2#



#25
 Isophorone
 Concen: 33.07 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.34 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Tgt Ion: 82 Resp: 555728
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.3 7.9#
 138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 53.15 ng

RT: 7.73 min Scan# 1011

Delta R.T. -0.08 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampleId :

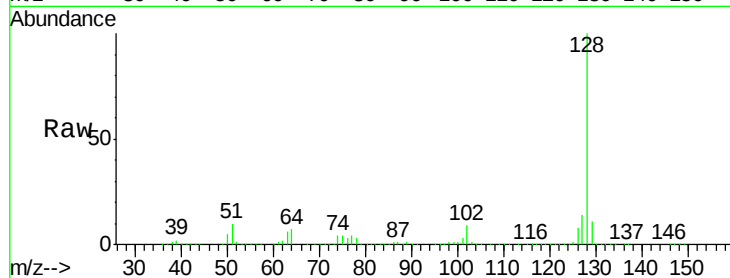
Tot Ion:128 Resp: 1261308

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

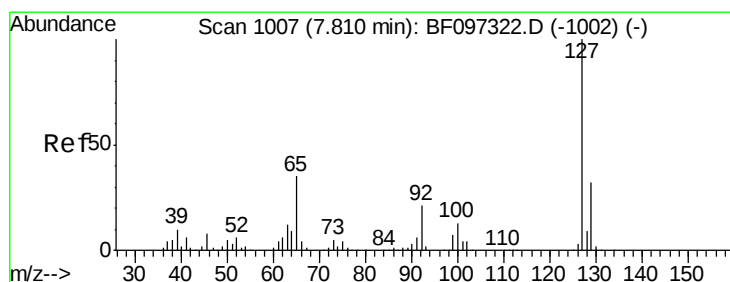
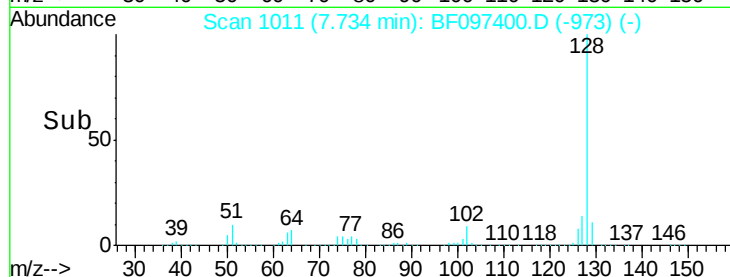
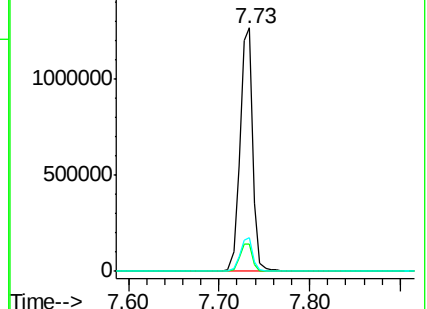
127 13.8 10.8 16.2



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



#33

4-Chloroaniline

Concen: 17.68 ng

RT: 7.73 min Scan# 1011

Delta R.T. -0.13 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Tgt Ion:127 Resp: 170703

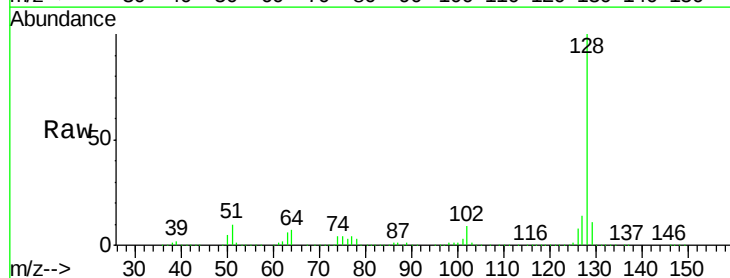
Ion Ratio Lower Upper

127 100

129 81.3 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

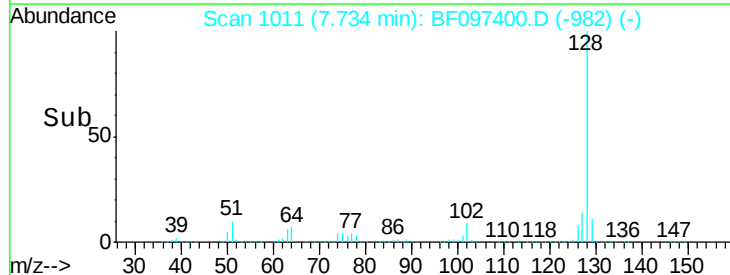
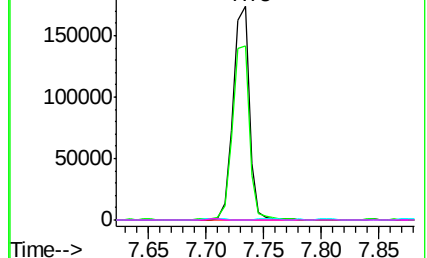


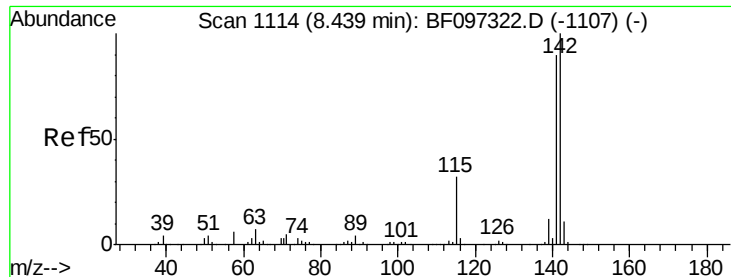
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

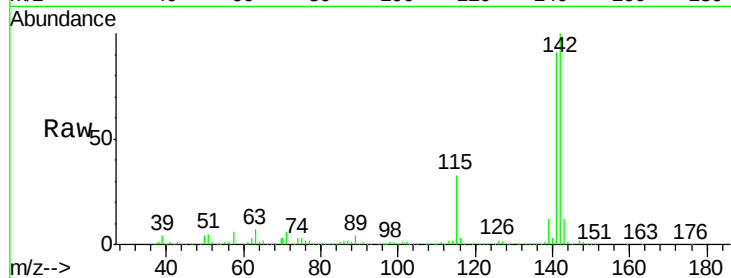




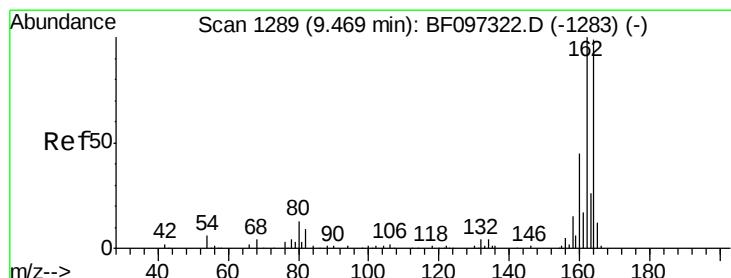
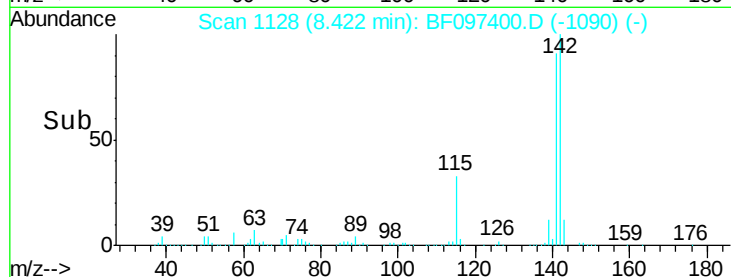
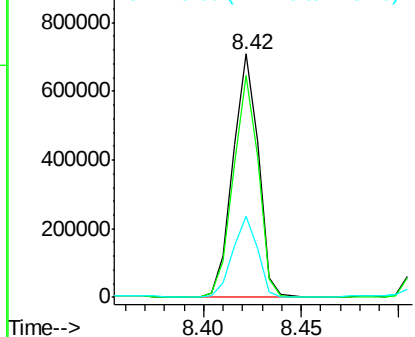
#37
 2-Methylnaphthalene
 Concen: 42.45 ng
 RT: 8.42 min Scan# 1128
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.3	106.9
115	33.3	27.1	40.7

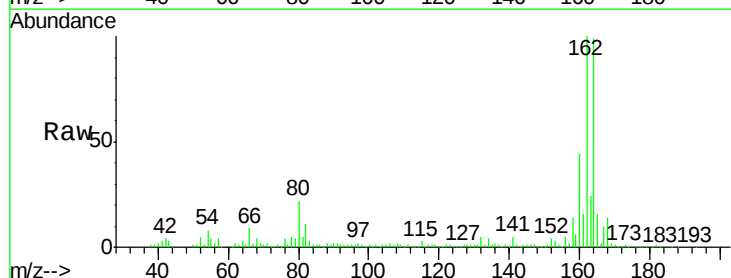


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

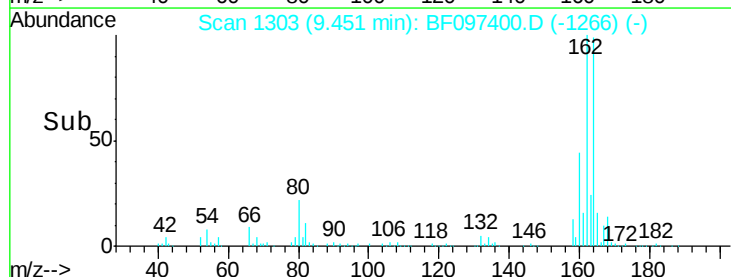
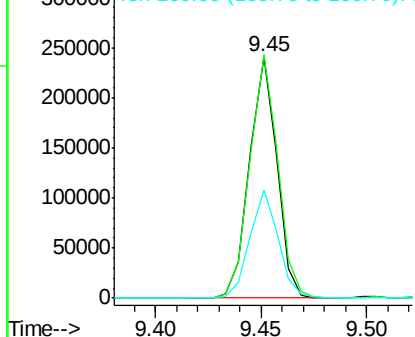


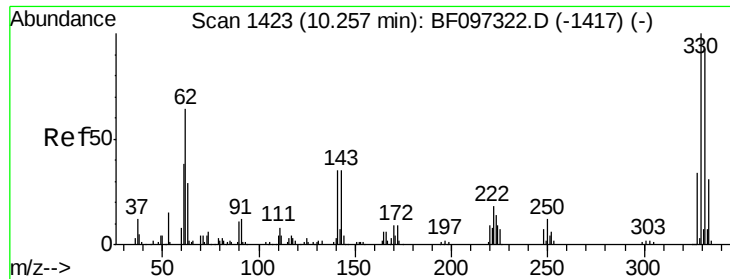
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.6	123.8
160	44.7	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

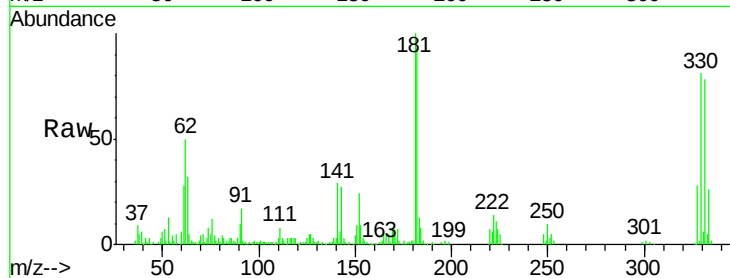




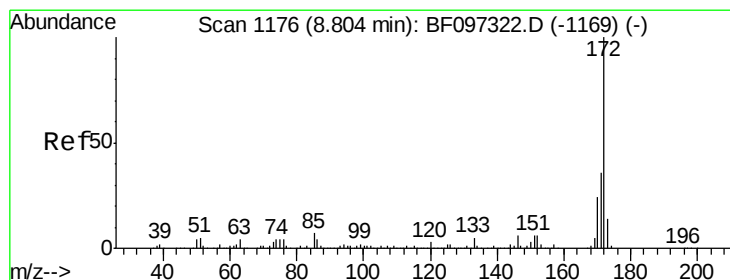
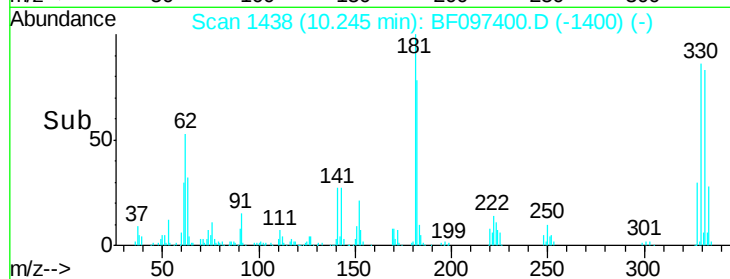
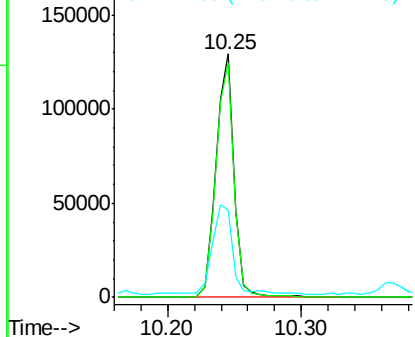
#41
 2,4,6-Tribromophenol
 Concen: 71.13 ng
 RT: 10.25 min Scan# 1438
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	39.7	31.4	47.2

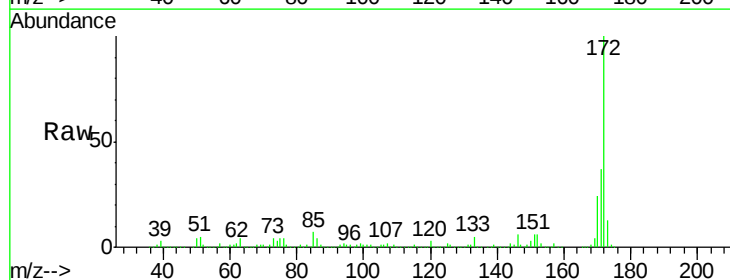


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

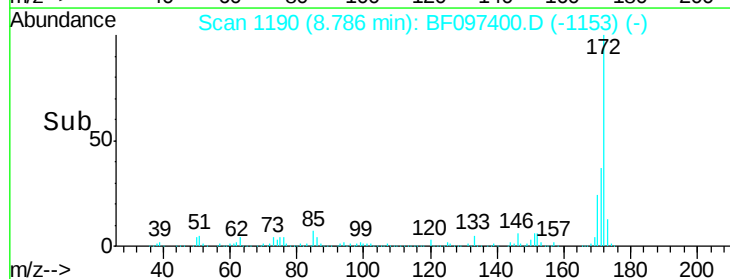
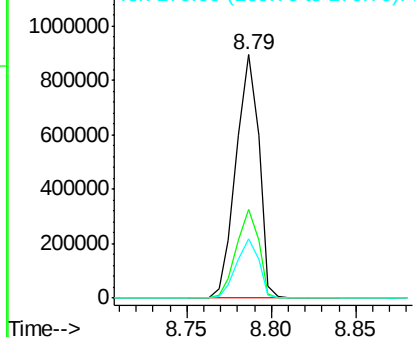


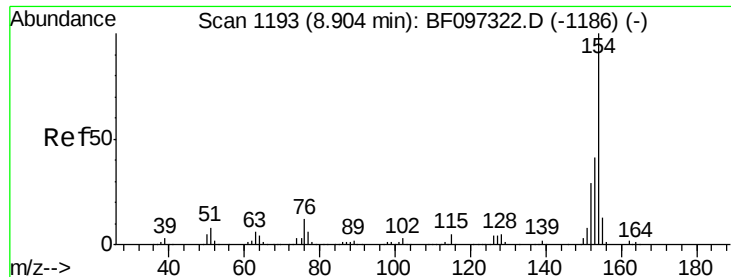
#44
 2-Fluorobiphenyl
 Concen: 65.69 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.2	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





#45

1,1'-Biphenyl

Concen: 9.33 ng

RT: 8.88 min Scan# 1206

Delta R.T. -0.08 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampleId :

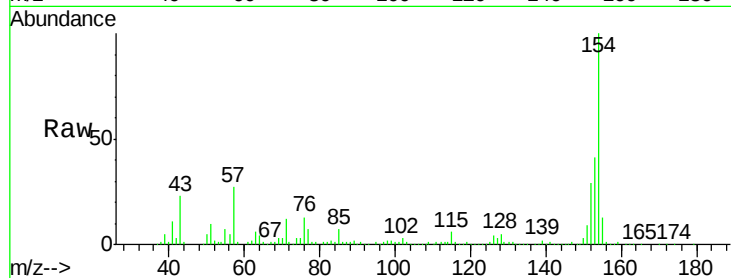
Tot Ion:154 Resp: 174473

Ion Ratio Lower Upper

154 100

153 41.4 21.2 61.2

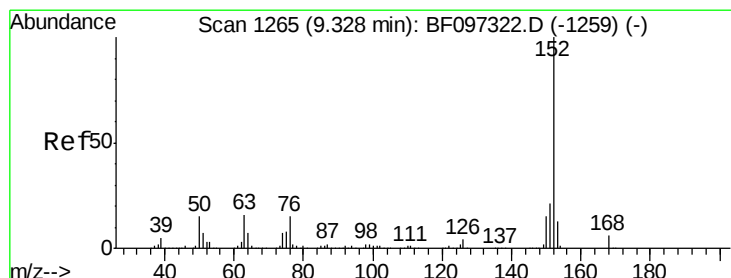
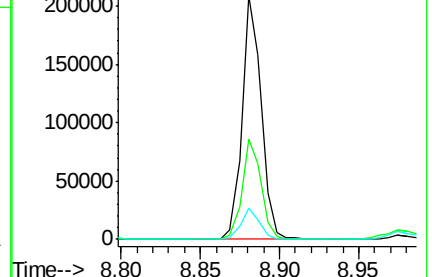
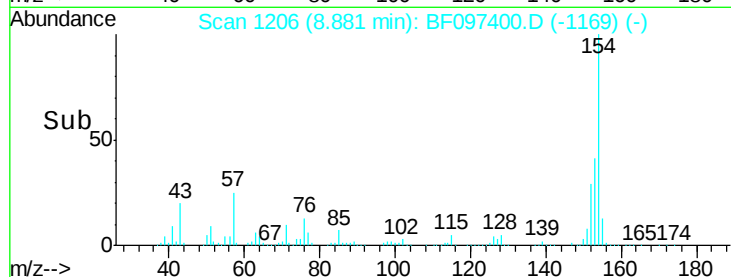
76 12.8 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 10.80 ng

RT: 9.31 min Scan# 1279

Delta R.T. -0.08 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

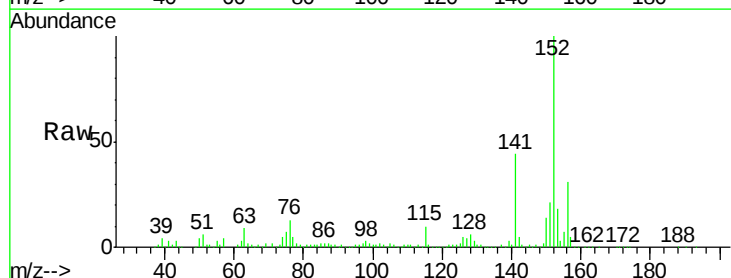
Tgt Ion:152 Resp: 228259

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

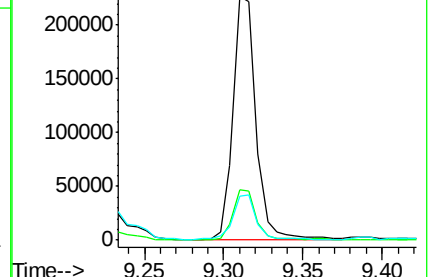
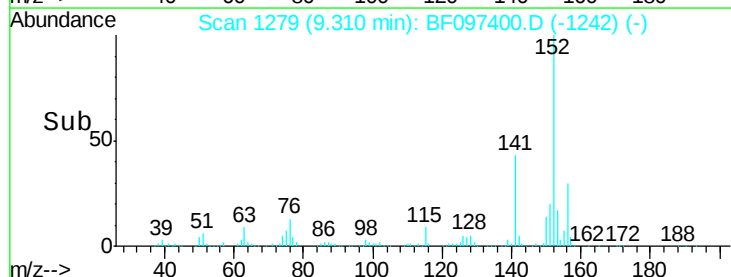
153 17.8 10.8 16.2#

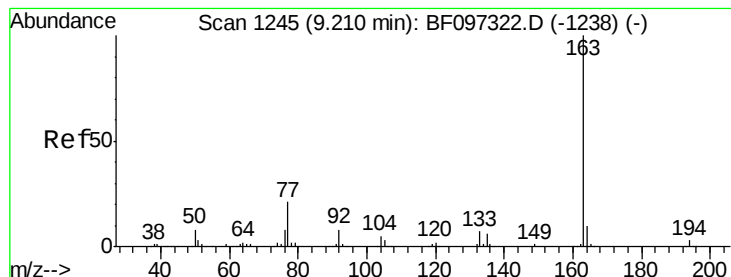


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.87 ng

RT: 9.19 min Scan# 1258

Delta R.T. -0.09 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampleId :

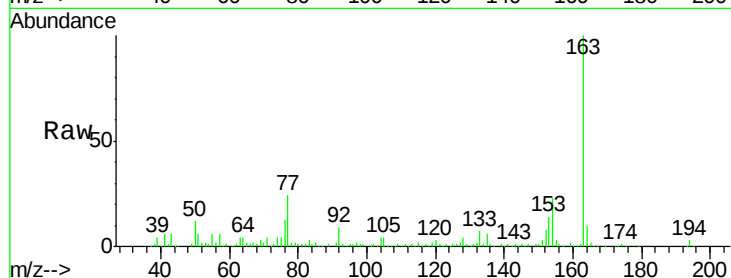
Tot Ion:163 Resp: 130809

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

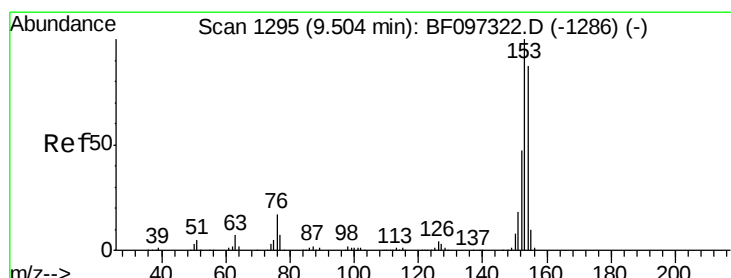
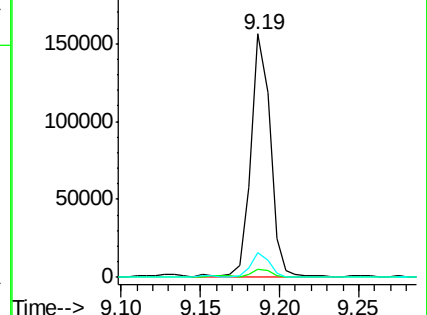
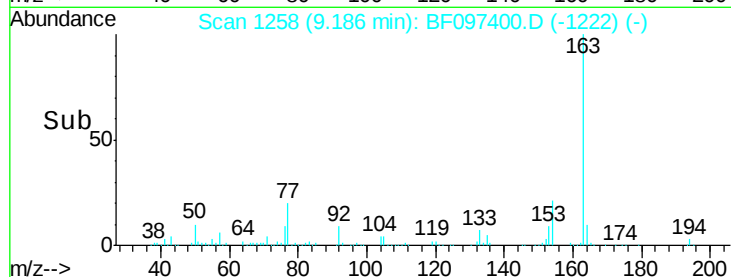
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 70.26 ng

RT: 9.49 min Scan# 1310

Delta R.T. -0.08 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

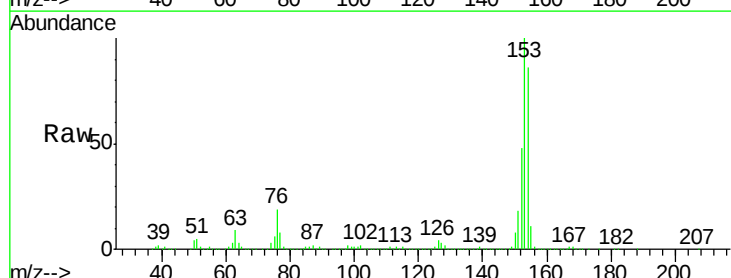
Tgt Ion:154 Resp: 874346

Ion Ratio Lower Upper

154 100

153 116.1 90.5 135.7

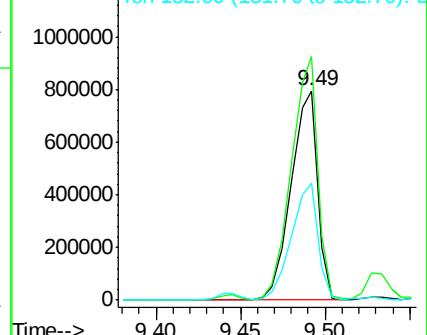
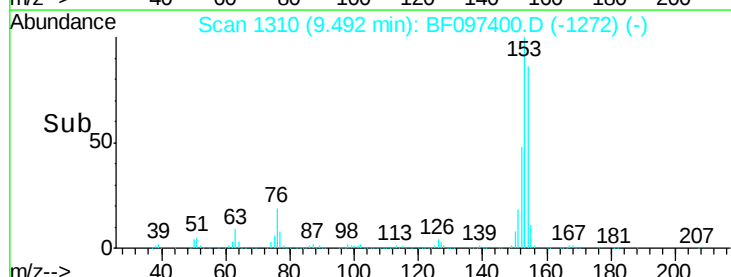
152 56.0 43.6 65.4

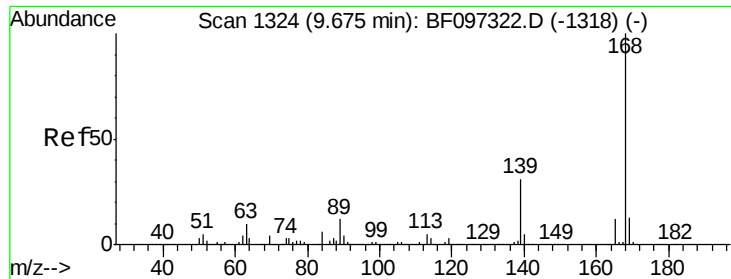


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

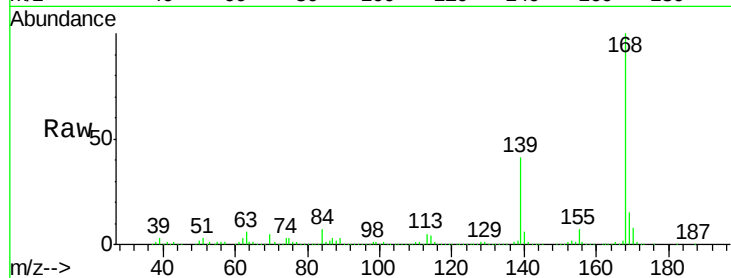




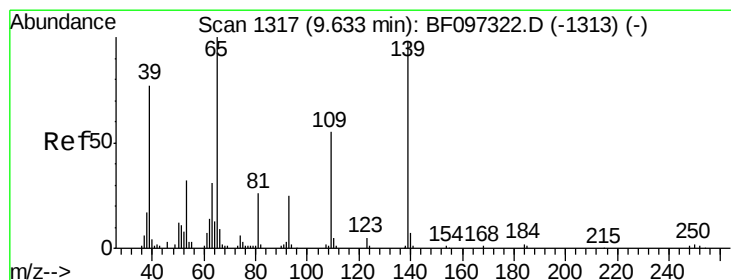
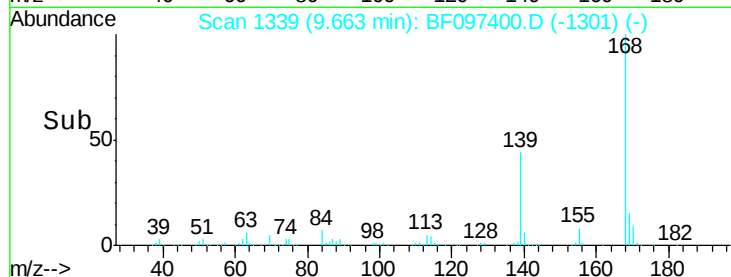
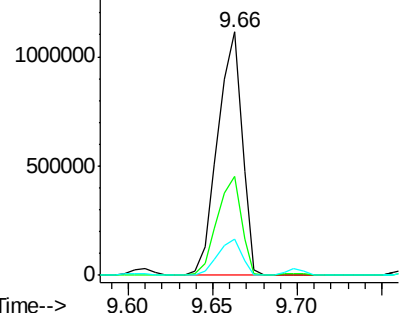
#54
Dibenzofuran
Concen: 67.47 ng
RT: 9.66 min Scan# 1339
Delta R.T. -0.08 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 1118392
Ion Ratio Lower Upper
168 100
139 40.7 30.6 45.8
169 14.6 10.8 16.2

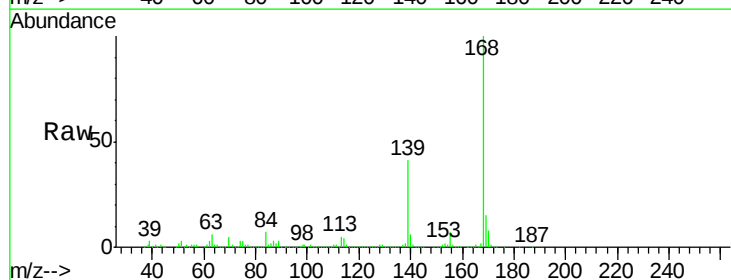


Abundance Ion 168.00 (167.70 to 168.70): E
1500000 Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

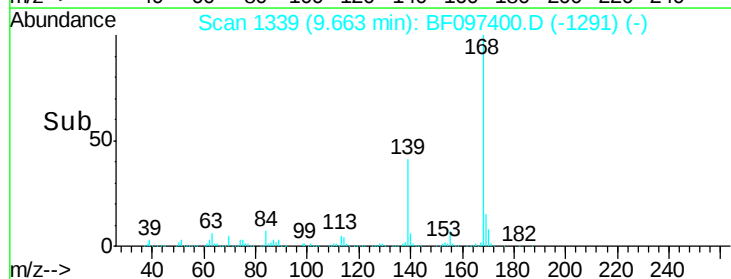
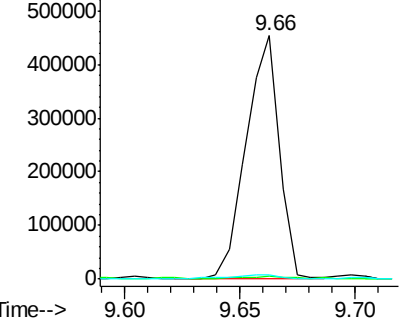


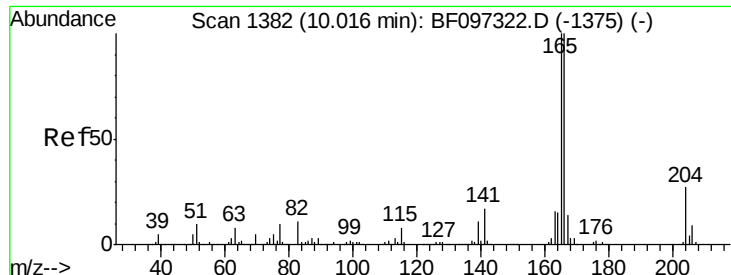
#55
4-Nitrophenol
Concen: 173.64 ng
RT: 9.66 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Tgt Ion:139 Resp: 452023
Ion Ratio Lower Upper
139 100
109 1.0 34.1 74.1#
65 1.8 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
600000 Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

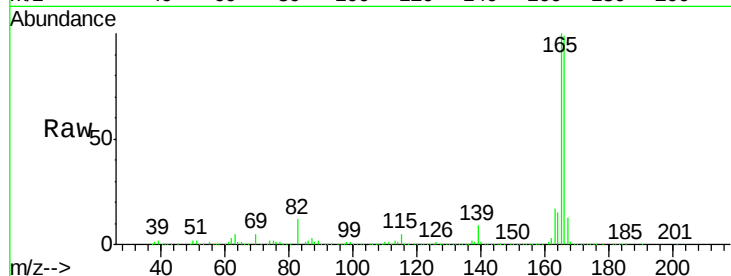




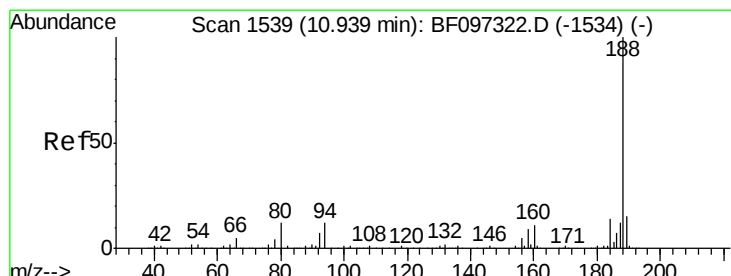
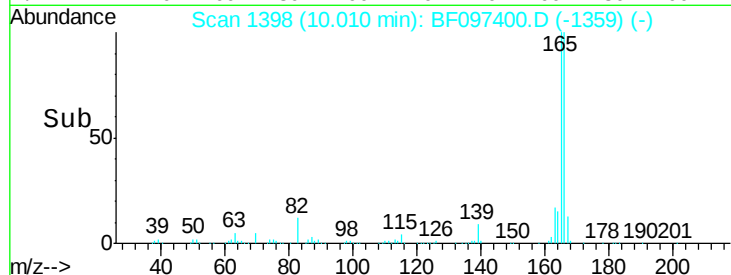
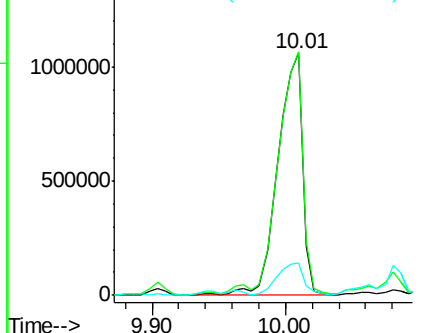
#57
Fluorene
 Concen: 110.52 ng
 RT: 10.01 min Scan# 1398
 Delta R.T. -0.07 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 1376826
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.8 118.2
 167 13.4 10.6 16.0

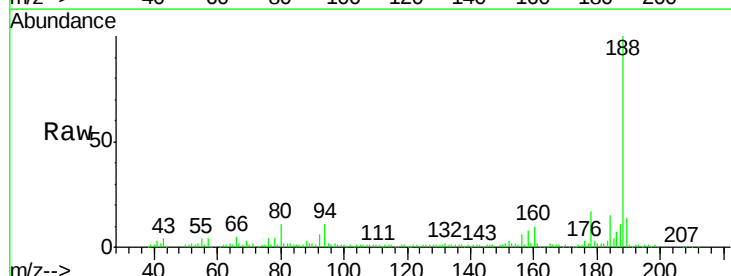


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

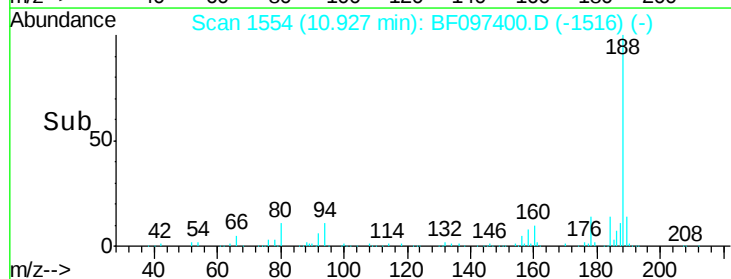
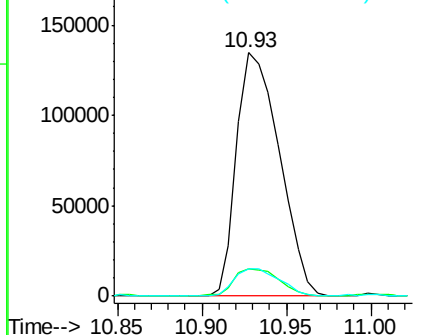


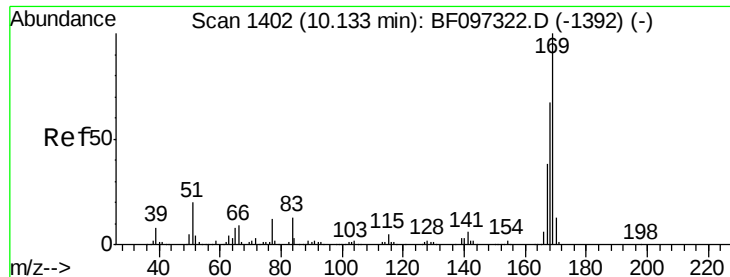
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 1554
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Tgt Ion:188 Resp: 239138
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 11.4 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

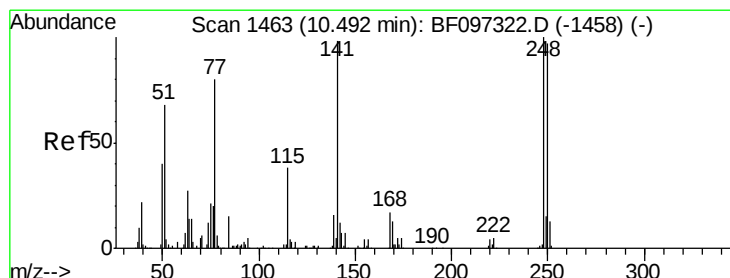
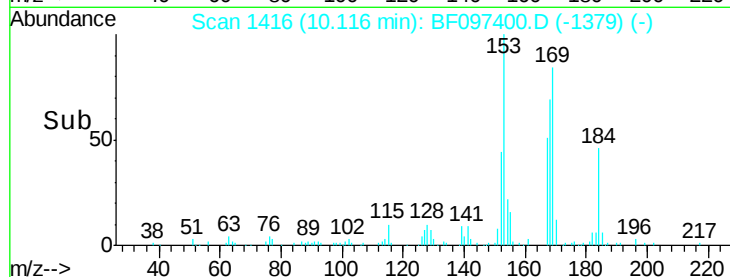
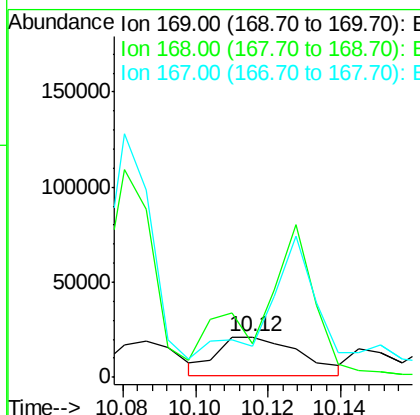
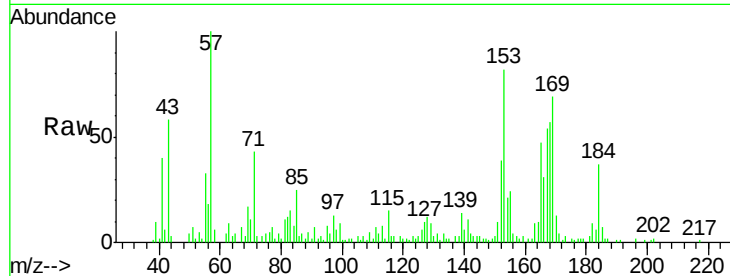




#65
 n-Nitrosodiphenylamine
 Concen: 3.92 ng
 RT: 10.12 min Scan# 1416
 Delta R.T. -0.08 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

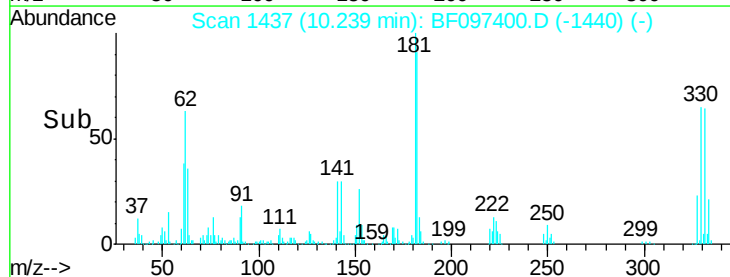
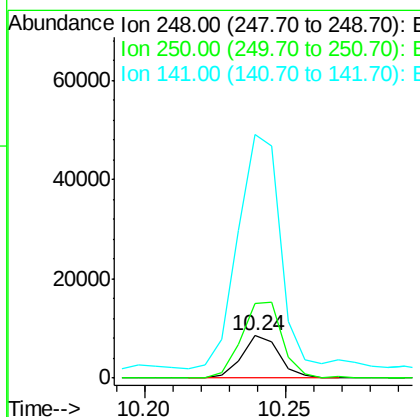
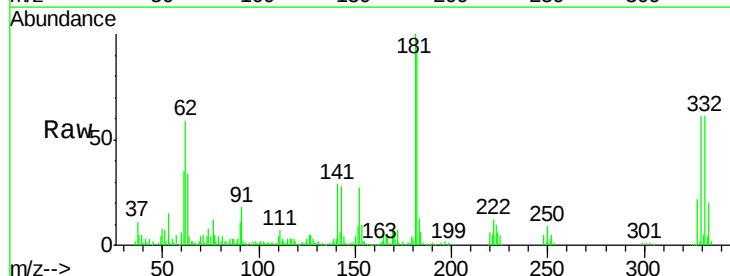
Instrument :
 BNA_F
 ClientSampleId :

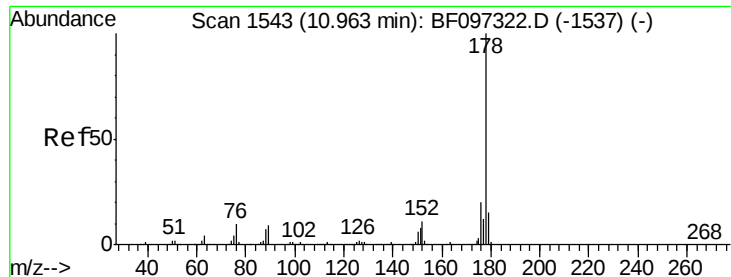
Tot Ion:169 Resp: 32594
 Ion Ratio Lower Upper
 169 100
 168 82.9 53.2 79.8#
 167 78.2 29.5 44.3#



#66
 4-Bromophenyl-phenylether
 Concen: 3.33 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.32 min
 Lab File: BF097400.D
 Acq: 5 Aug 2017 16:37

Tgt Ion:248 Resp: 7942
 Ion Ratio Lower Upper
 248 100
 250 176.1 76.8 115.2#
 141 571.8 68.6 103.0#





#70

Phenanthrene

Concen: 325.71 ng

RT: 10.99 min Scan# 1564

Delta R.T. -0.04 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampleId :

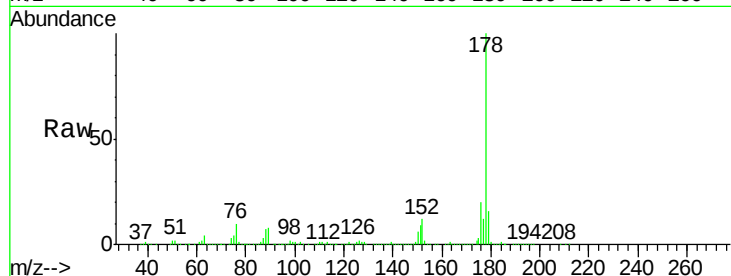
Tot Ion:178 Resp: 4173420

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

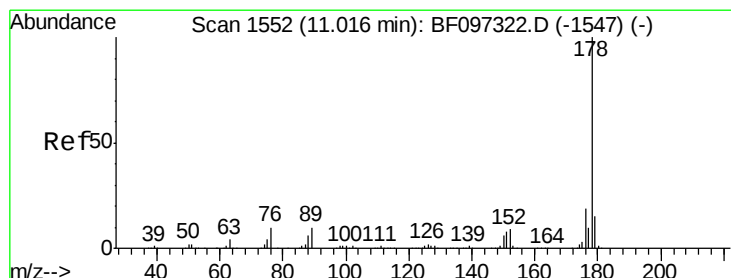
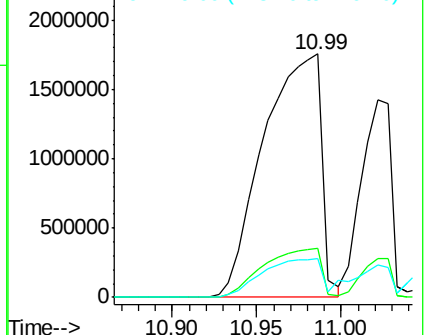
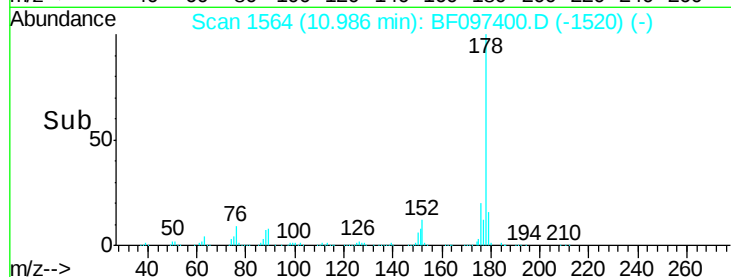
179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 318.01 ng

RT: 10.99 min Scan# 1564

Delta R.T. -0.09 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

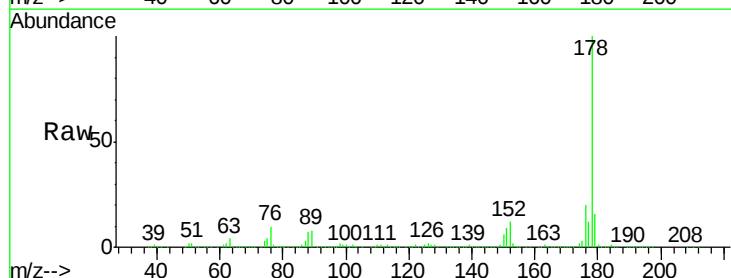
Tgt Ion:178 Resp: 4173420

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

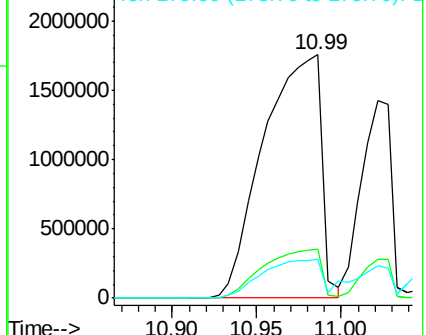
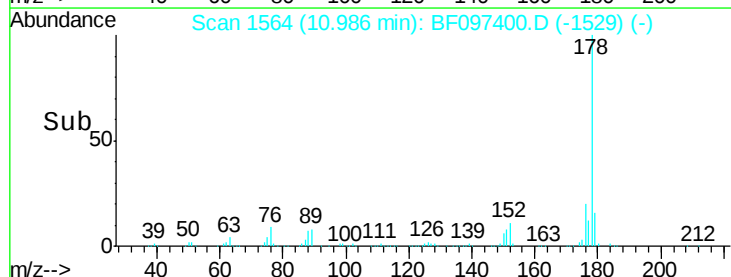
179 15.8 12.7 19.1

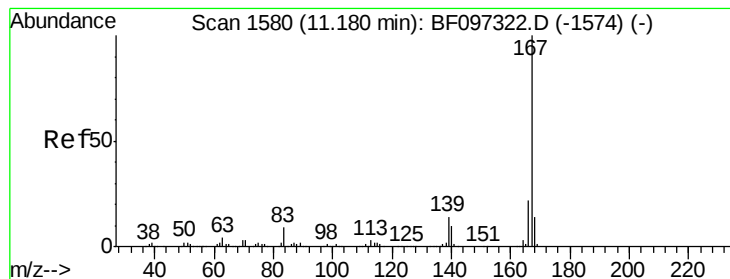


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 63.03 ng

RT: 11.17 min Scan# 1595

Delta R.T. -0.07 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampled :

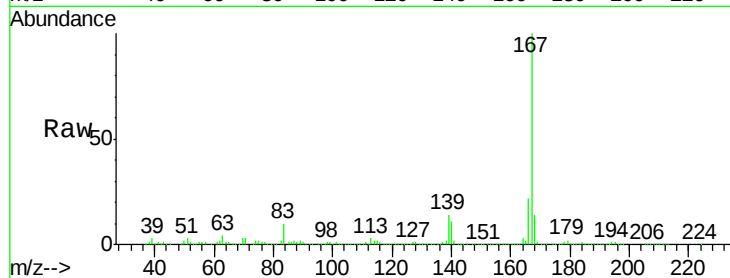
Tot Ion:167 Resp: 813536

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

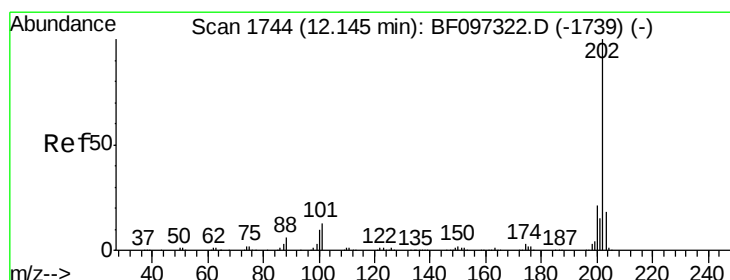
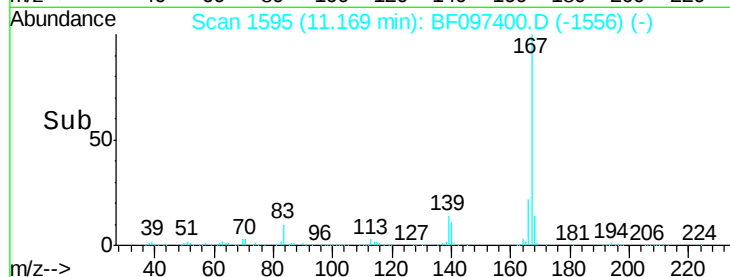
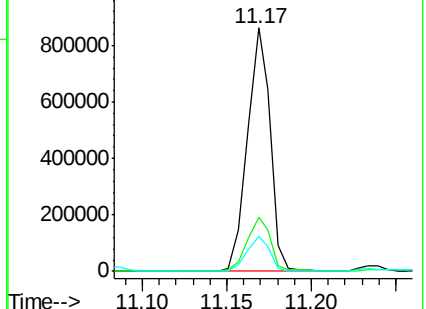
139 14.4 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 298.65 ng

RT: 12.16 min Scan# 1764

Delta R.T. -0.05 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

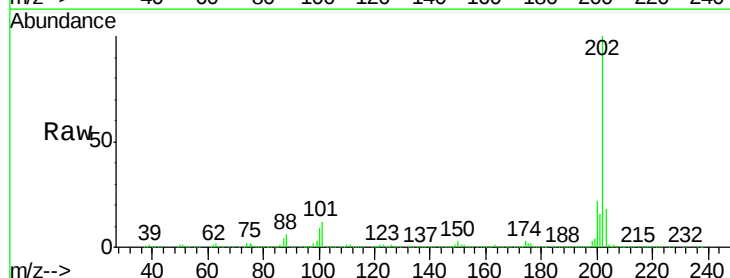
Tgt Ion:202 Resp: 3748765

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

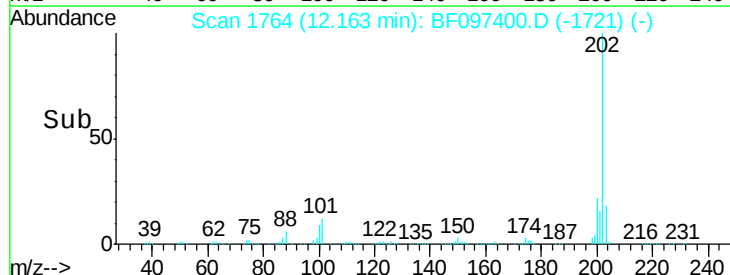
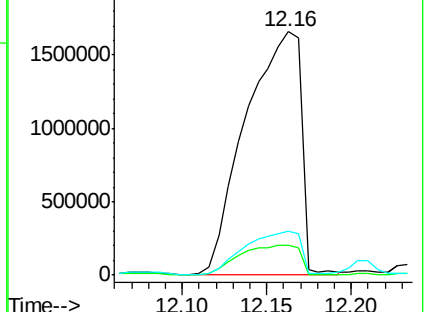
203 17.9 0.0 38.1

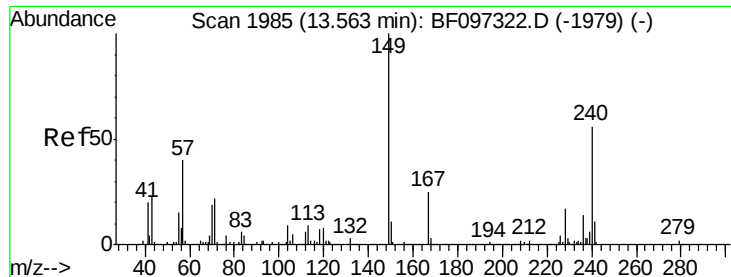


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.57 min Scan# 2003

Delta R.T. -0.06 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampleId :

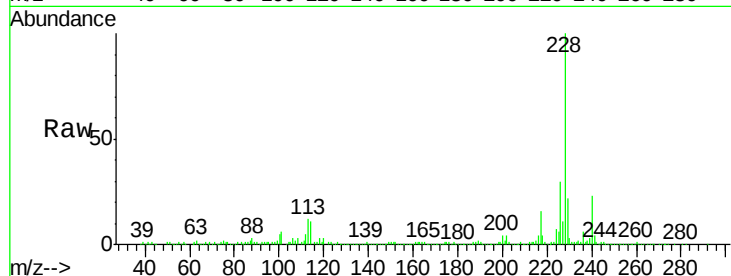
Tot Ion:240 Resp: 144530

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

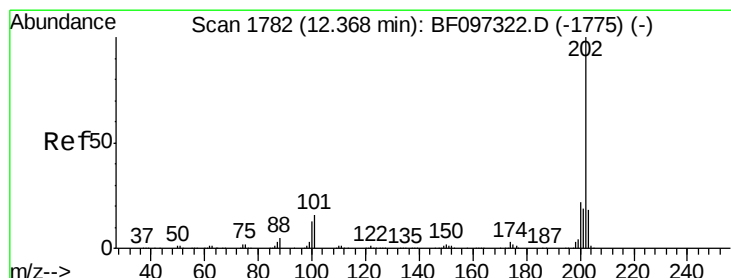
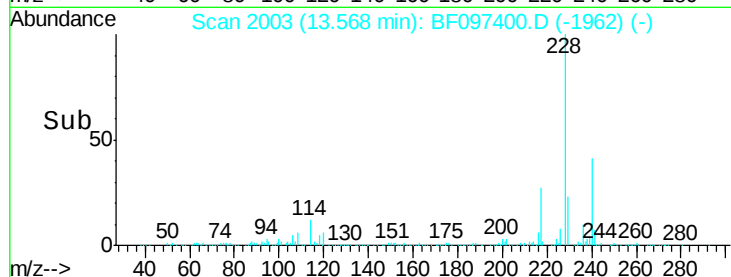
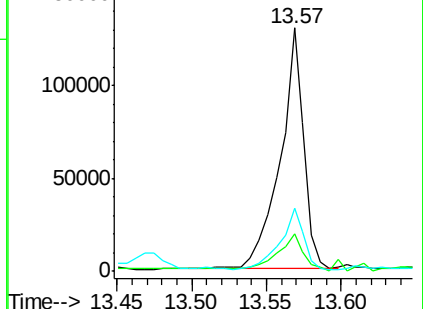
236 25.9 20.5 30.7



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: 254.78 ng

RT: 12.39 min Scan# 1802

Delta R.T. -0.05 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

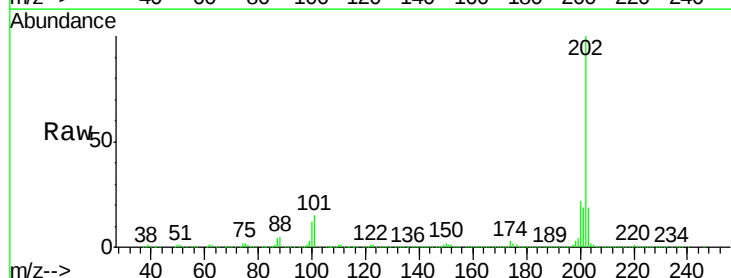
Tgt Ion:202 Resp: 3014666

Ion Ratio Lower Upper

202 100

200 22.5 17.6 26.4

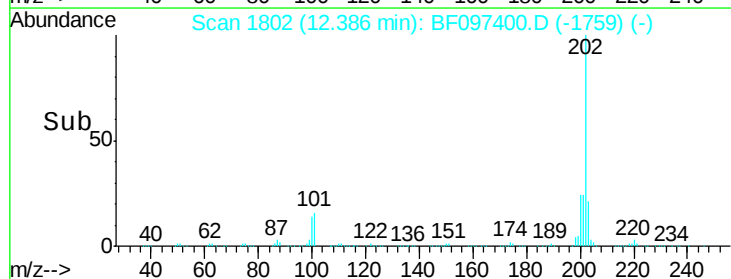
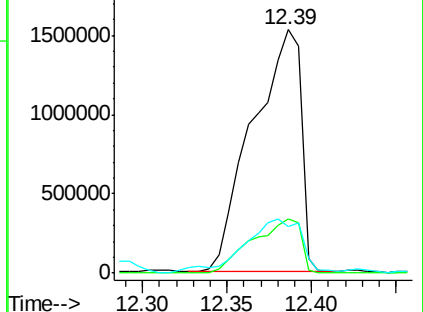
203 19.0 14.4 21.6

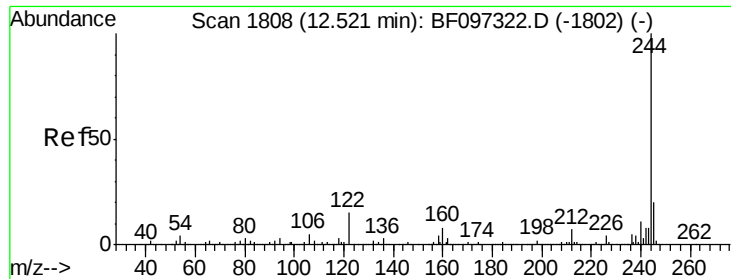


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.52 ng

RT: 12.51 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampleId :

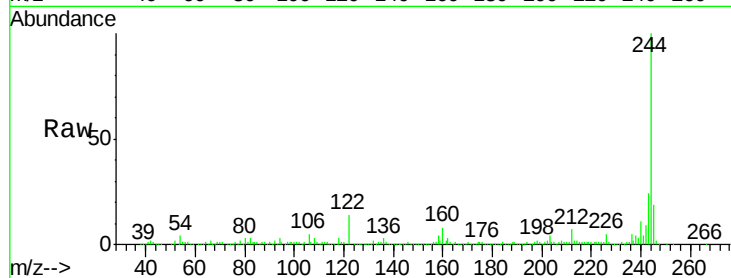
Tot Ion:244 Resp: 471524

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

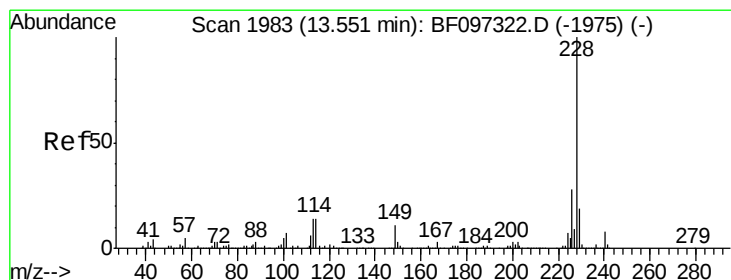
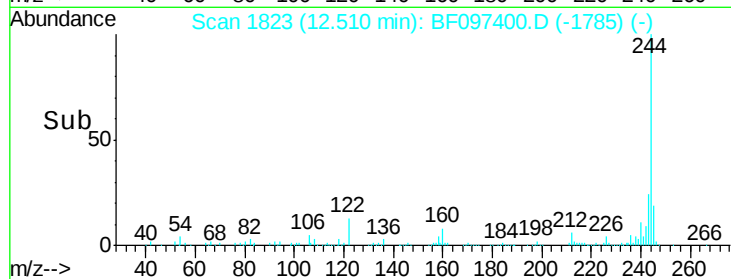
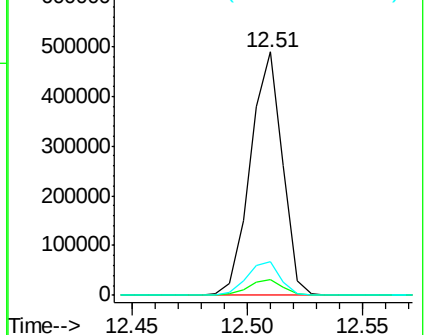
122 13.6 10.3 15.5



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: 200.95 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.06 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

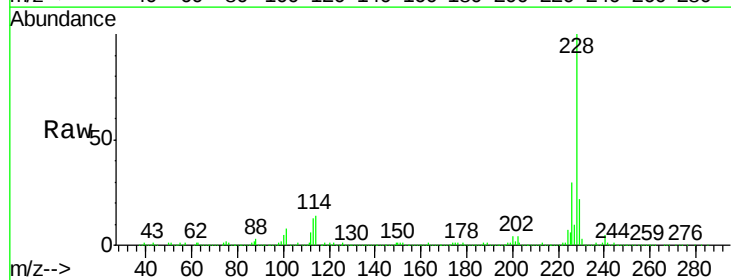
Tgt Ion:228 Resp: 1879211

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

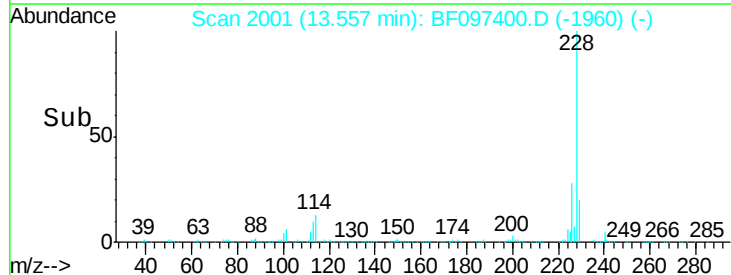
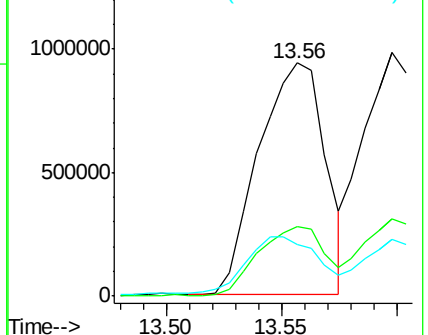
229 22.0 16.3 24.5

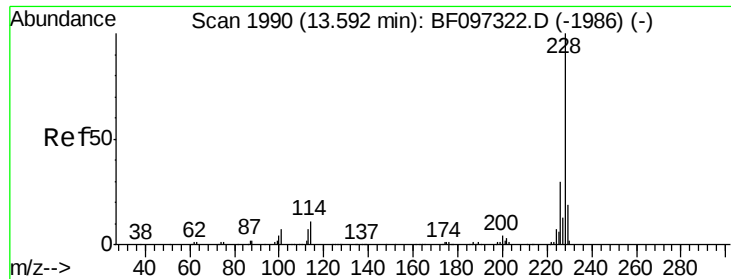


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

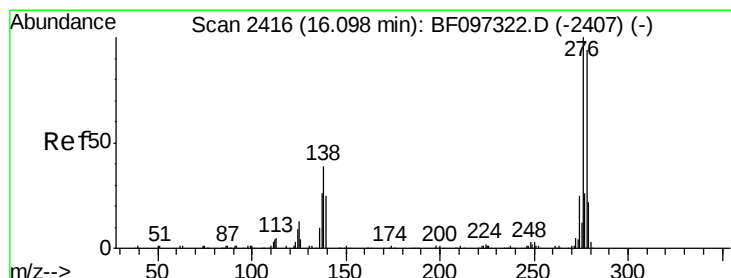
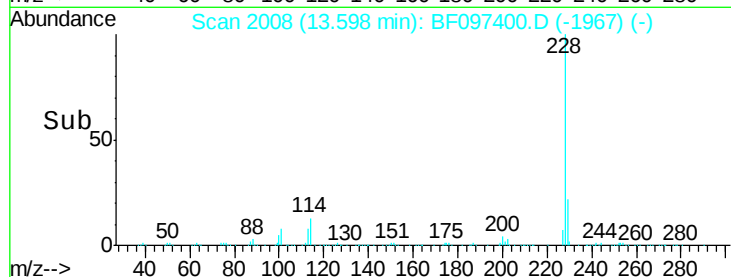
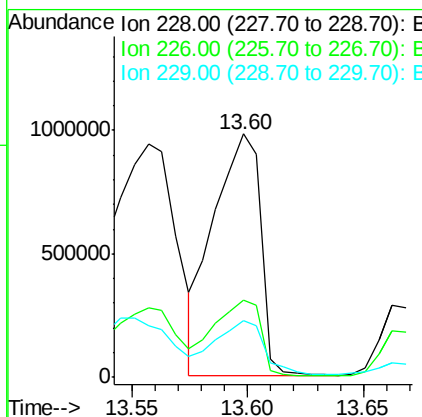
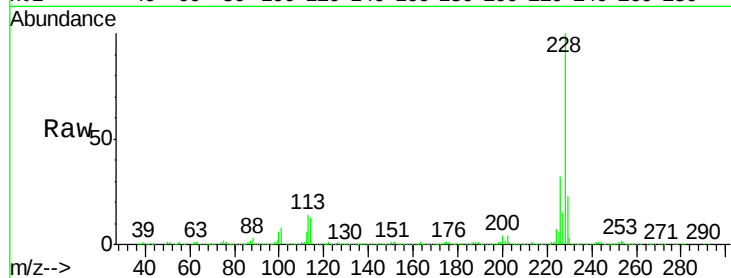




#82
Chrysene
Concen: 152.76 ng
RT: 13.60 min Scan# 2008
Delta R.T. -0.06 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

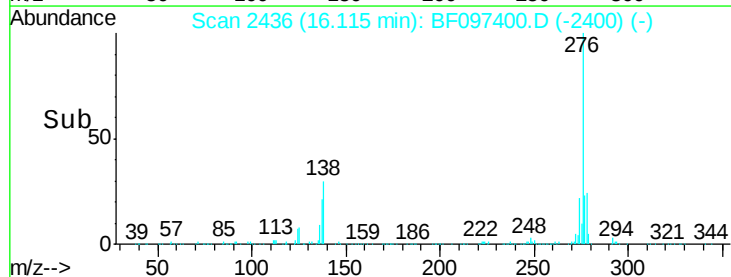
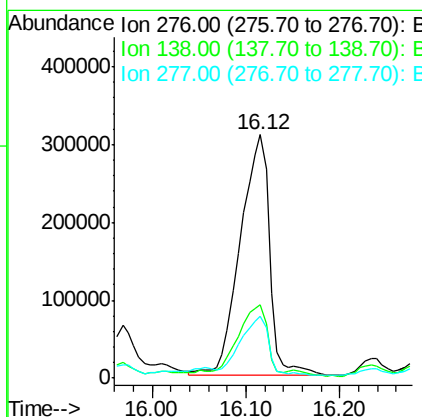
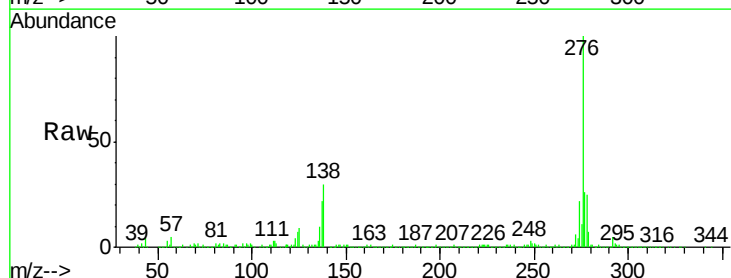
Instrument :
BNA_F
ClientSampleId :

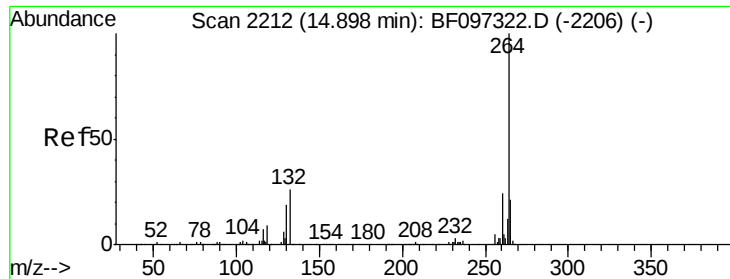
Tot Ion:228 Resp: 1394905
Ion Ratio Lower Upper
228 100
226 31.7 24.9 37.3
229 23.1 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 85.62 ng
RT: 16.12 min Scan# 2436
Delta R.T. -0.09 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Tgt Ion:276 Resp: 670451
Ion Ratio Lower Upper
276 100
138 26.7 27.8 41.6#
277 24.7 20.2 30.4

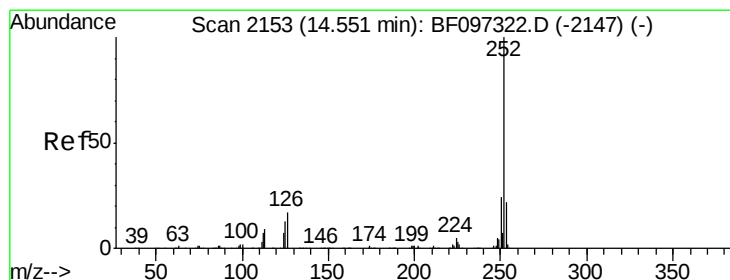
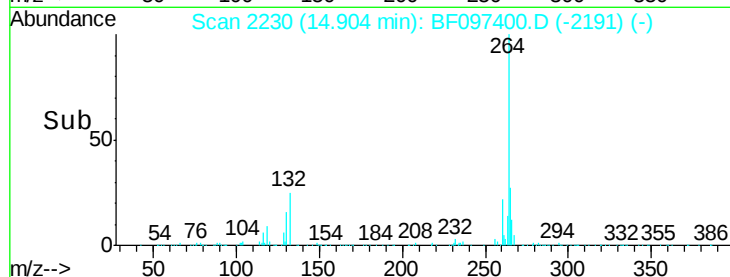
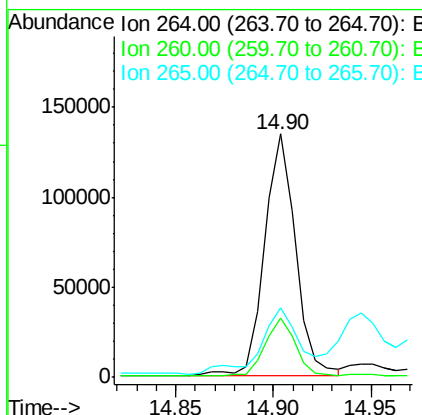
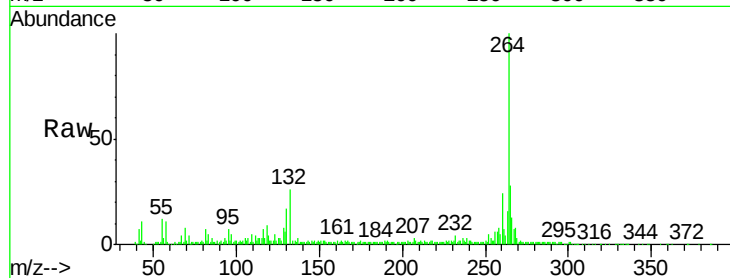




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 2230
Delta R.T. -0.07 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

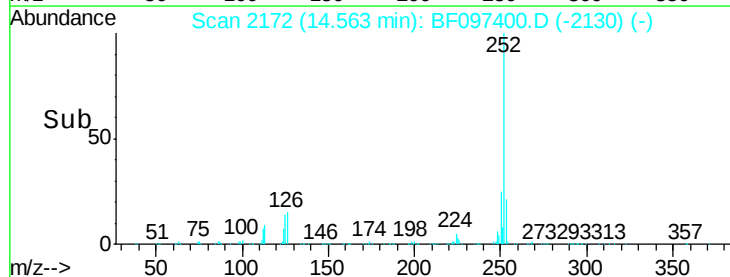
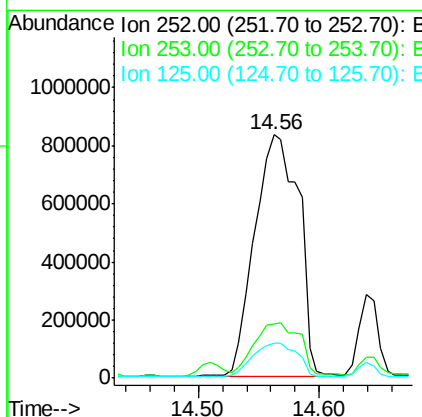
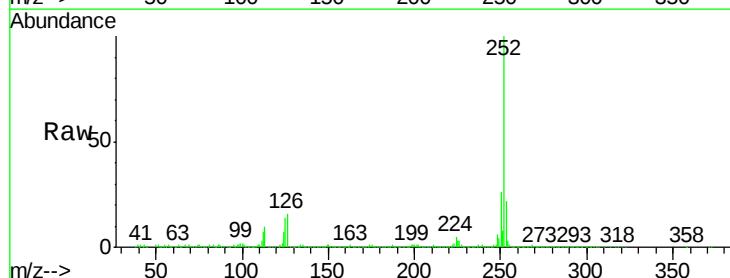
Instrument :
BNA_F
ClientSampleId :

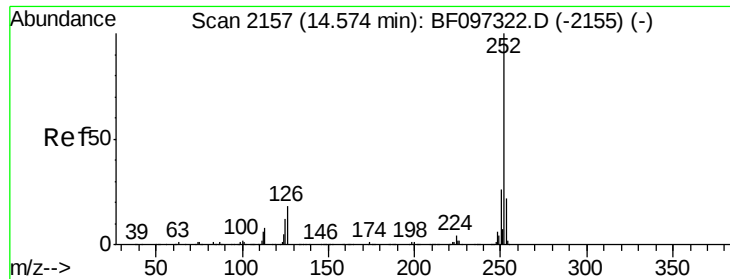
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	28.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 237.65 ng
RT: 14.56 min Scan# 2172
Delta R.T. -0.05 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.2	9.8	14.8

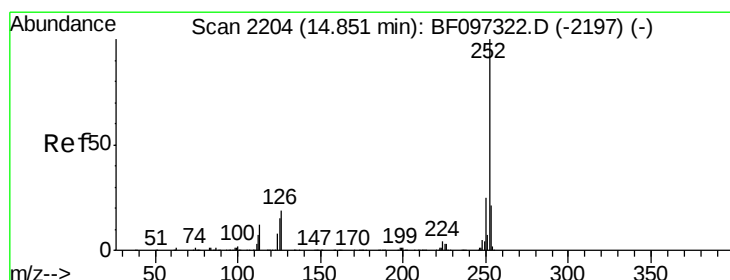
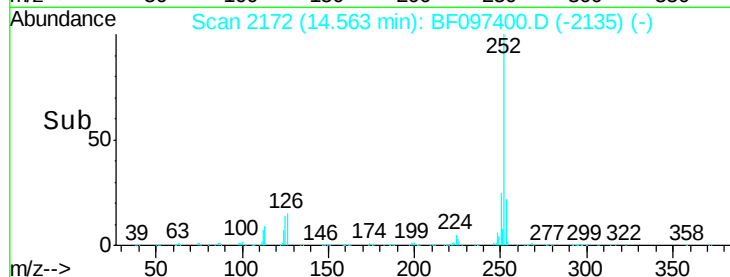
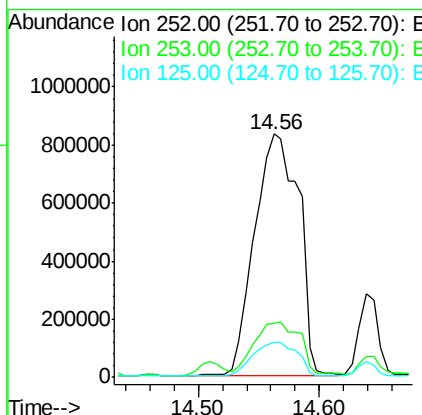
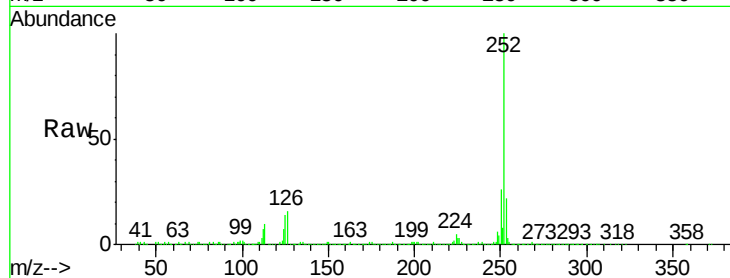




#88
Benzo(k)fluoranthene
Concen: 249.39 ng
RT: 14.56 min Scan# 2172
Delta R.T. -0.08 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

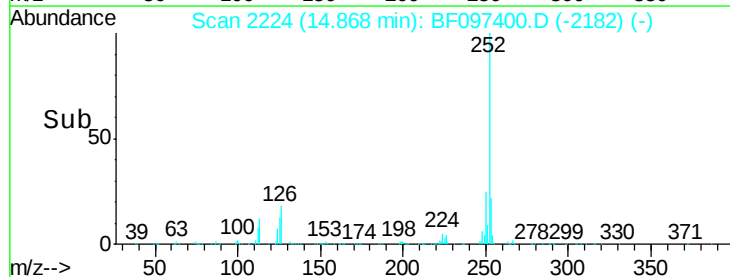
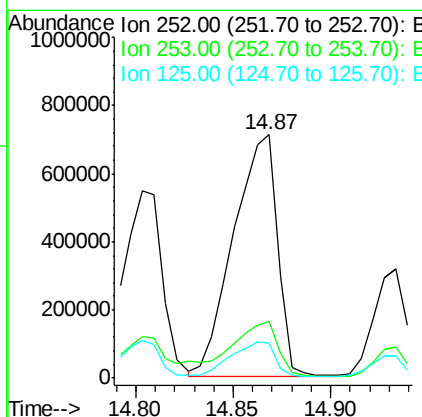
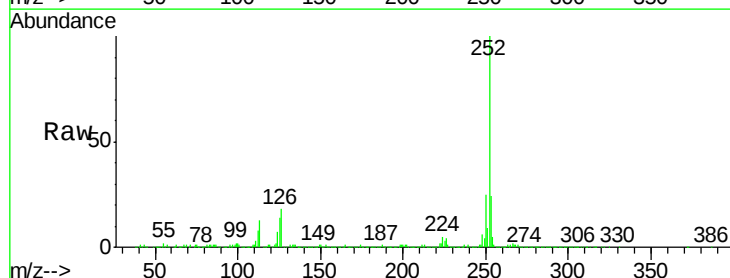
Instrument :
BNA_F
ClientSampleId :

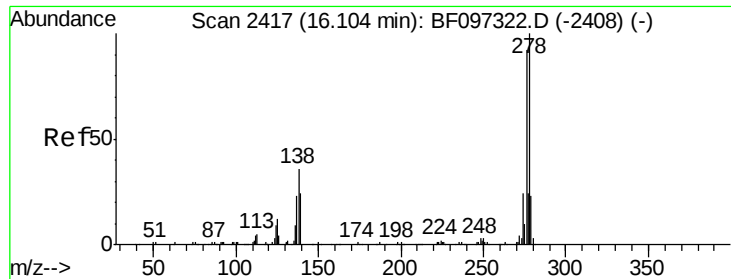
Tot Ion:252 Resp: 2125894
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 14.2 13.1 19.7



#89
Benzo(a)pyrene
Concen: 135.87 ng
RT: 14.87 min Scan# 2224
Delta R.T. -0.05 min
Lab File: BF097400.D
Acq: 5 Aug 2017 16:37

Tgt Ion:252 Resp: 1112433
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 14.1 11.0 16.4





#90

Dibenzo(a,h)anthracene

Concen: 22.73 ng

RT: 16.23 min Scan# 2456

Delta R.T. 0.02 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

Instrument :

BNA_F

ClientSampled :

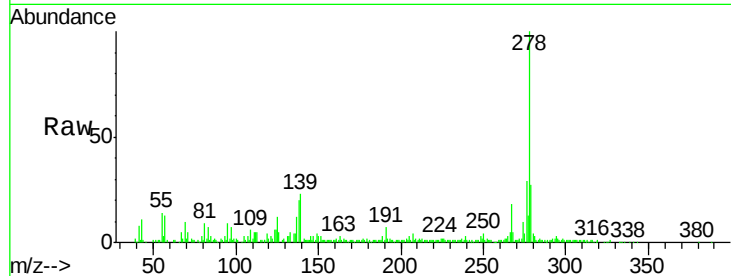
Tot Ion:278 Resp: 152586

Ion Ratio Lower Upper

278 100

139 23.1 16.6 24.8

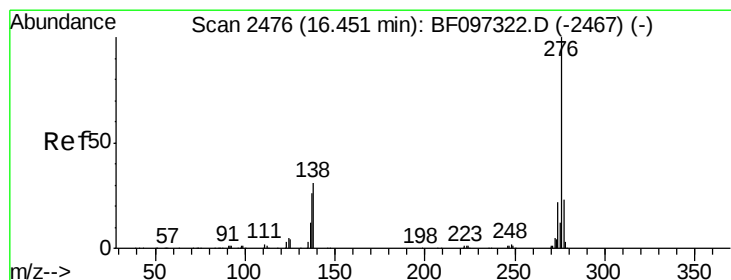
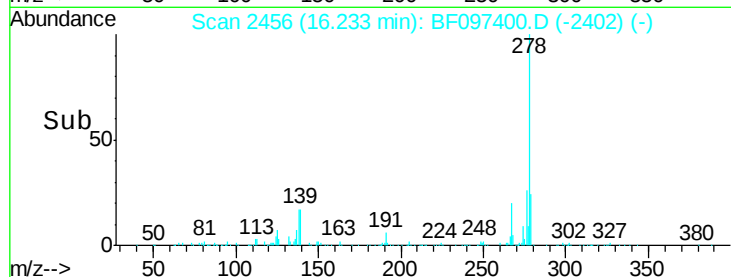
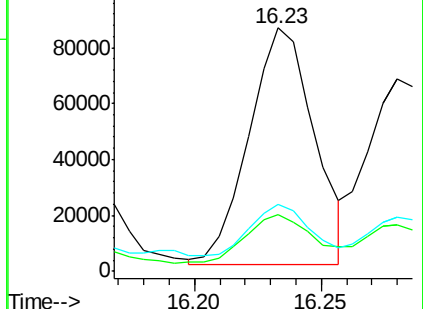
279 27.3 19.3 28.9



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: 87.09 ng

RT: 16.47 min Scan# 2497

Delta R.T. -0.09 min

Lab File: BF097400.D

Acq: 5 Aug 2017 16:37

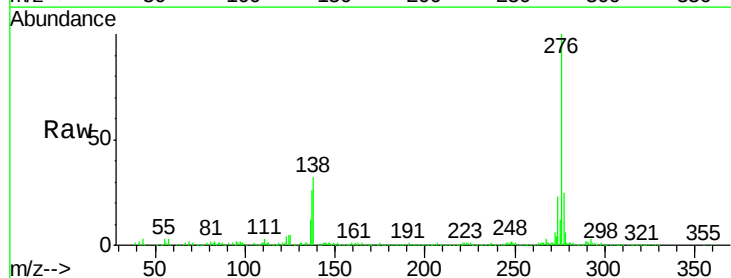
Tgt Ion:276 Resp: 613156

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 32.0 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

