

Data Path : U:\HPCHEM1\BNA F\DATA\BF082317\
 Data File : BF097993.D
 Acq On : 23 Aug 2017 12:57
 Operator : SJ/JU
 Sample : I4915-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 17:48:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	109408	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	415011	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	116289	20.00	ng	0.01
63) Phenanthrene-d10	11.32	188	71262	20.00	ng	0.05
75) Chrysene-d12	13.90	240	202169	20.00	ng	0.00
86) Perylene-d12	15.31	264	234504	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	833522	115.88	ng	0.00
7) Phenol-d6	6.37	99	1167927	119.51	ng	-0.01
23) Nitrobenzene-d5	7.30	82	714882	93.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	89321	88.52	ng	0.03
44) 2-Fluorobiphenyl	9.10	172	1020370	128.91	ng	0.00
78) Terphenyl-d14	12.89	244	380952	39.29	ng	0.04

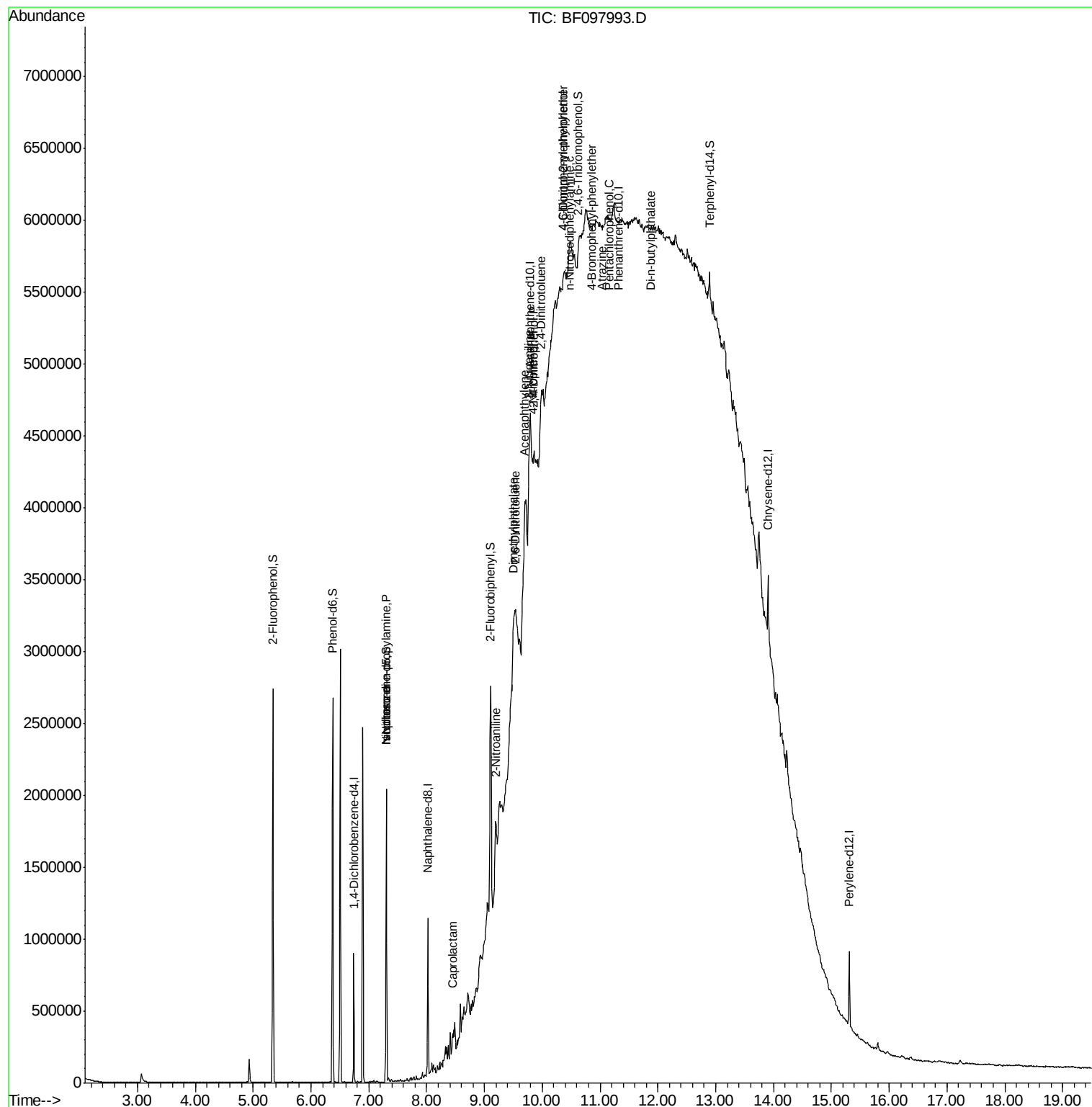
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.30	70	95900	14.335	ng	# 72
25) Isophorone	7.30	82	708074	44.574	ng	# 67
35) Caprolactam	8.45	113	7450	3.985	ng	# 1
47) 2-Nitroaniline	9.19	65	5951	2.266	ng	# 88
48) Acenaphthylene	9.70	152	33414	2.716	ng	# 1
49) Dimethylphthalate	9.50	163	92017	10.825	ng	# 77
50) 2,6-Dinitrotoluene	9.55	165	8336	4.913	ng	# 48
52) 3-Nitroaniline	9.77	138	16344	7.466	ng	# 24
53) 2,4-Dinitrophenol	9.85	184	431	10.608	ng	# 1
55) 4-Nitrophenol	9.83	139	4342	2.486	ng	# 1
56) 2,4-Dinitrotoluene	9.97	165	15512	7.285	ng	# 59
60) 4-Chlorophenyl-phenylether	10.36	204	18148	4.858	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.36	198	11019	35.446	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	25428	10.479	ng	# 64
66) 4-Bromophenyl-phenylether	10.85	248	5833	7.882	ng	# 1
68) Atrazine	11.03	200	11806	18.345	ng	# 1
69) Pentachlorophenol	11.16	266	6136	13.952	ng	# 29
73) Di-n-butylphthalate	11.88	149	39548	9.391	ng	# 32

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

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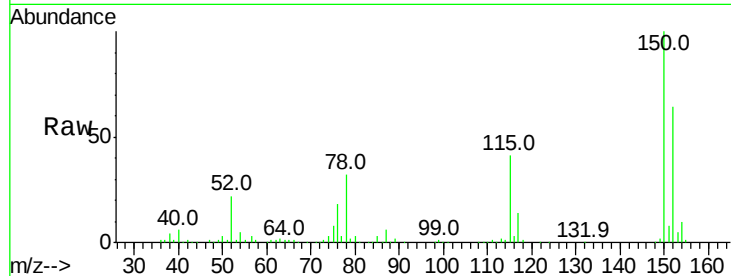


#1

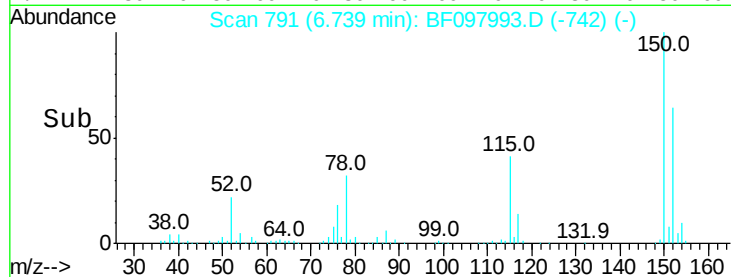
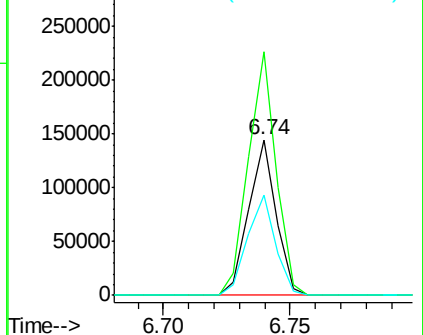
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 109408
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.2 189.2
 115 64.5 52.2 78.2



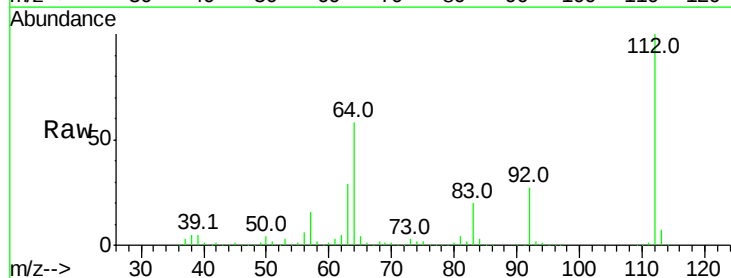
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



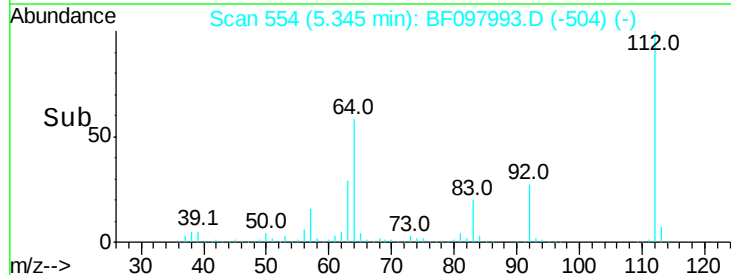
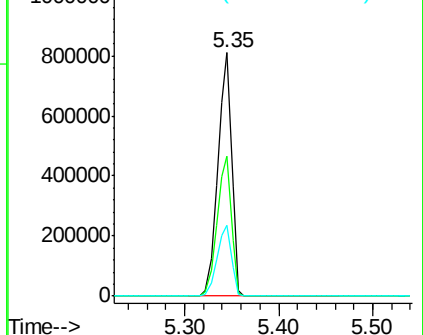
#5

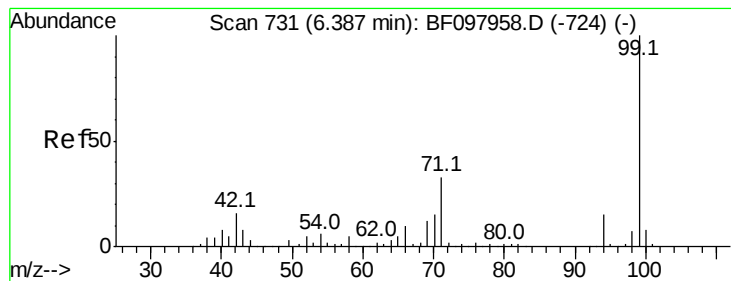
2-Fluorophenol
 Concen: 115.883 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

Tgt Ion:112 Resp: 833522
 Ion Ratio Lower Upper
 112 100
 64 57.5 46.0 69.0
 63 29.1 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: 119.506 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

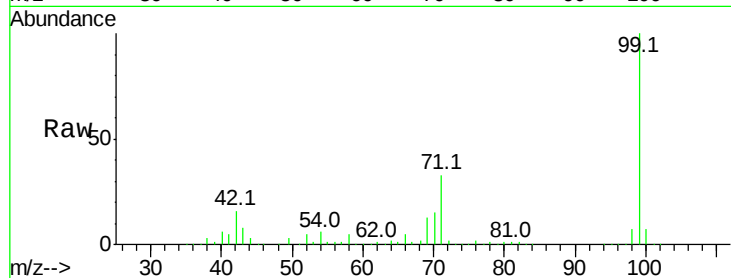
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1167927

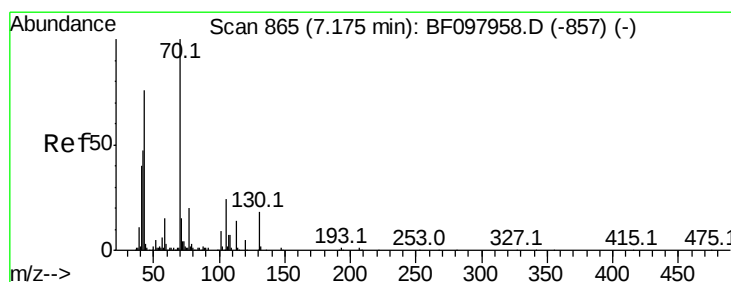
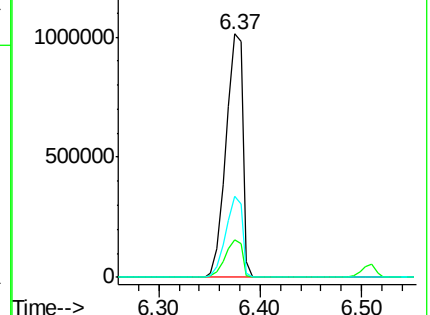
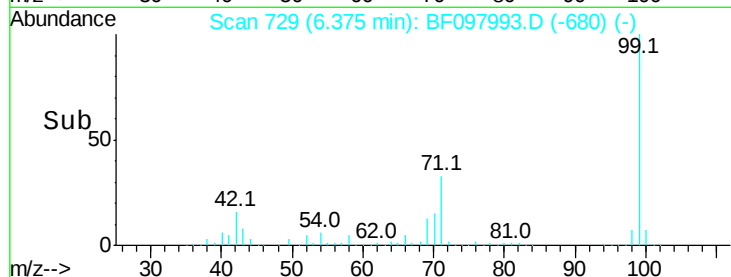
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	33.2	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.335 ng

RT: 7.30 min Scan# 887

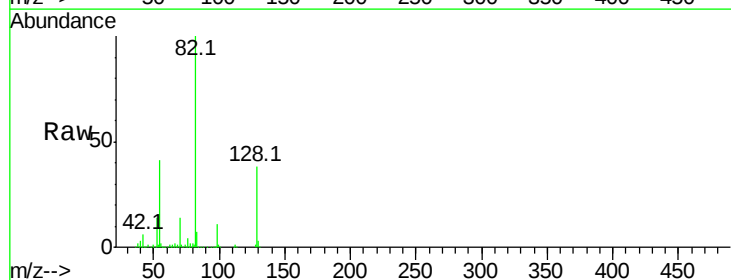
Delta R.T. 0.13 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Tgt Ion: 70 Resp: 95900

Ion	Ratio	Lower	Upper
70	100		
42	40.8	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

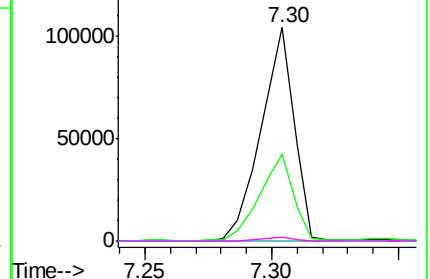
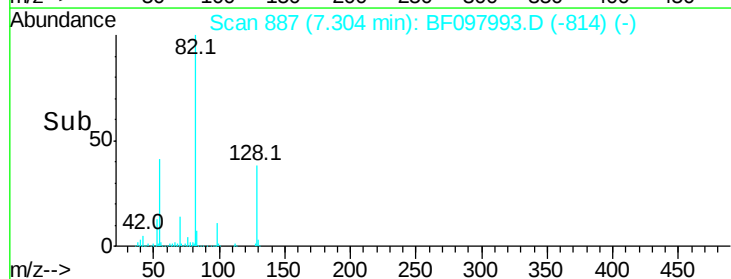


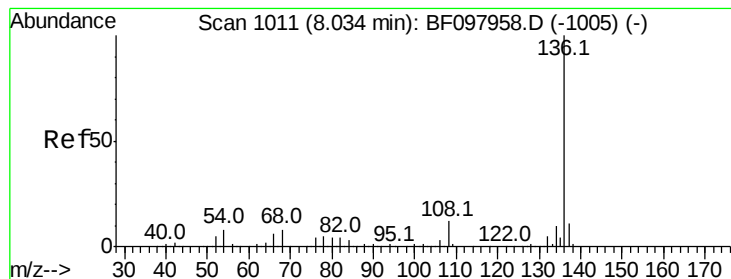
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 415011

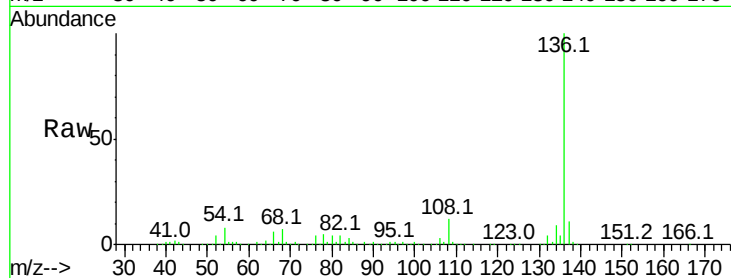
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.7 4.9 7.3#

68 7.4 4.1 6.1#

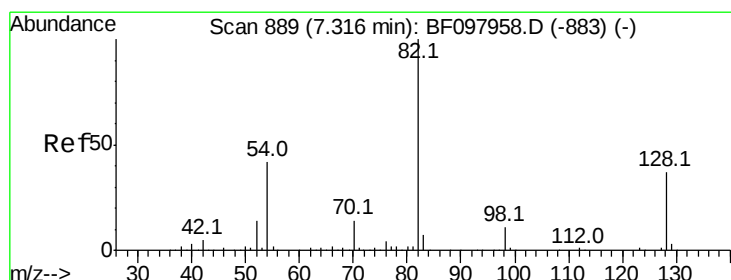
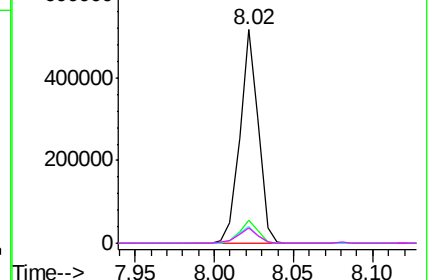
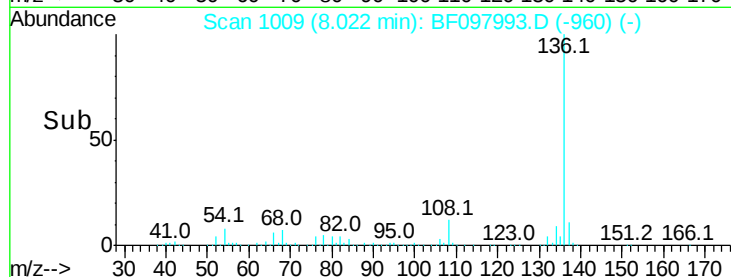


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.577 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

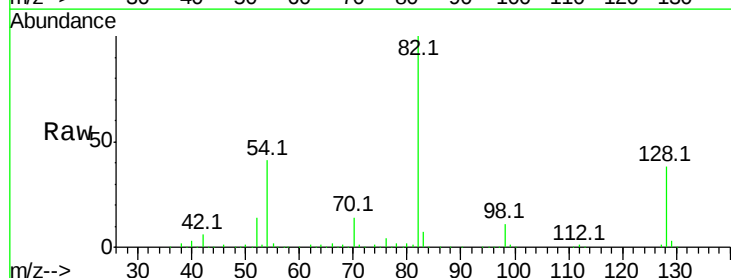
Tgt Ion: 82 Resp: 714882

Ion Ratio Lower Upper

82 100

128 37.9 34.0 51.0

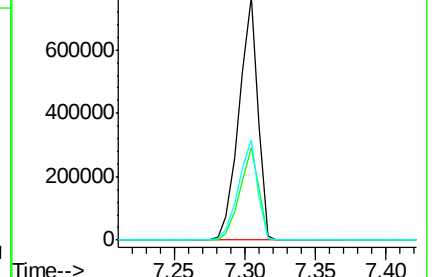
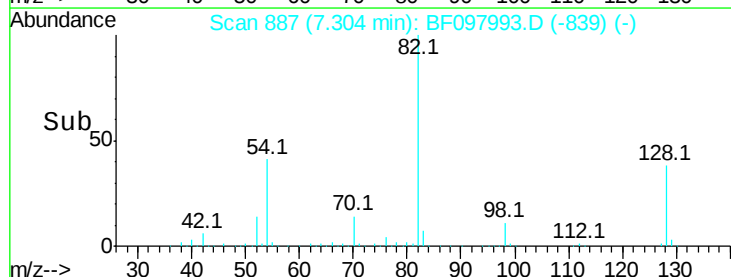
54 41.3 42.2 63.2#

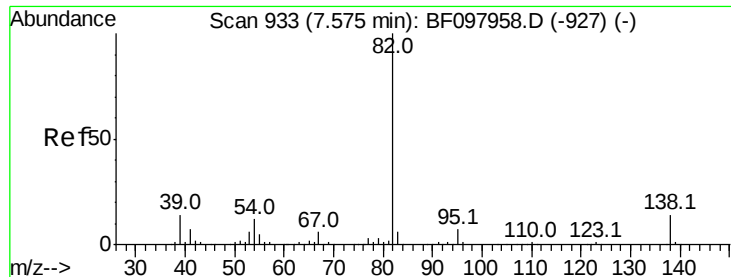


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.574 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :
BNA_F
ClientSampleId :

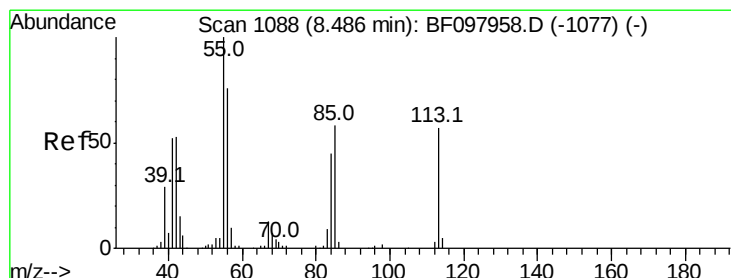
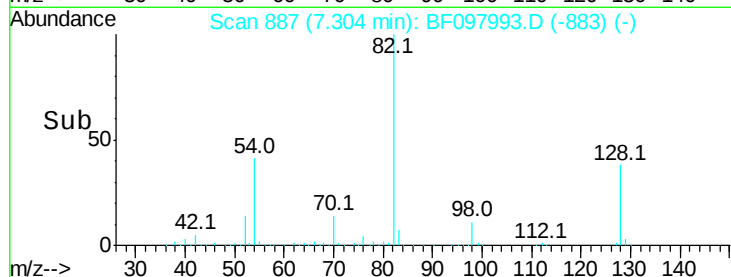
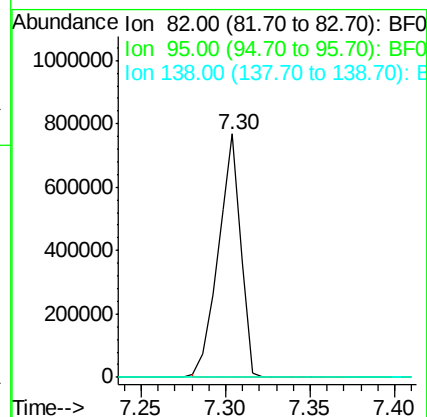
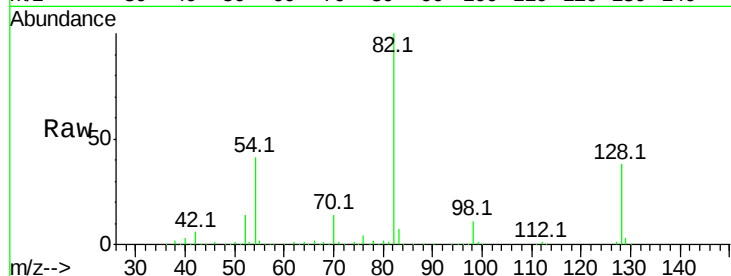
Tot Ion: 82 Resp: 708074

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#35

Caprolactam

Concen: 3.985 ng

RT: 8.45 min Scan# 1082

Delta R.T. -0.04 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

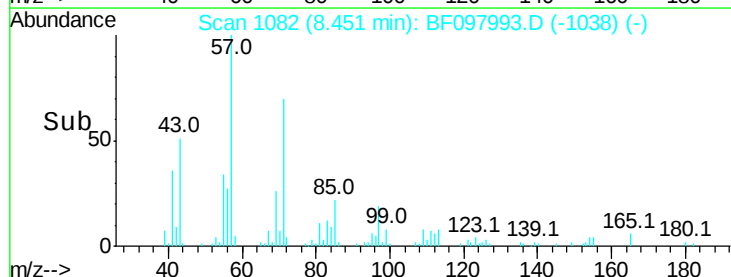
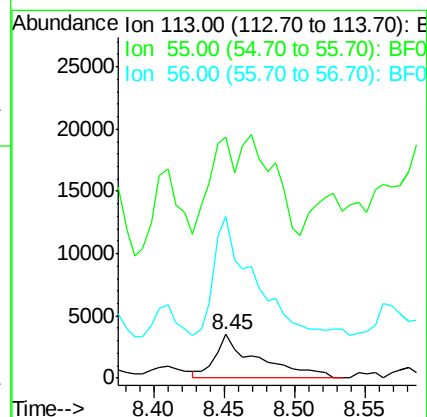
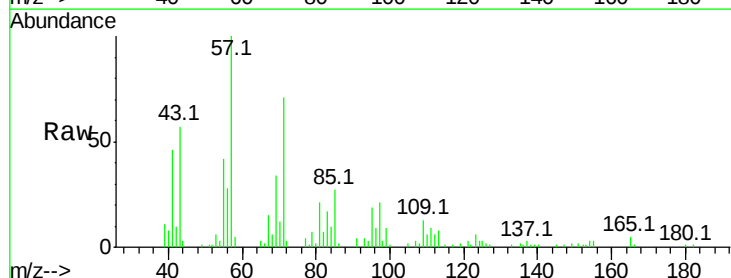
Tgt Ion: 113 Resp: 7450

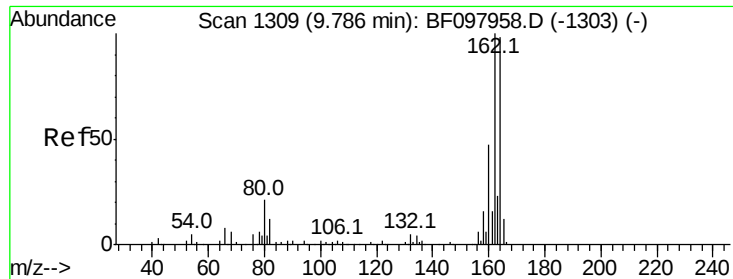
Ion Ratio Lower Upper

113 100

55 553.8 150.2 190.2#

56 370.2 107.8 147.8#

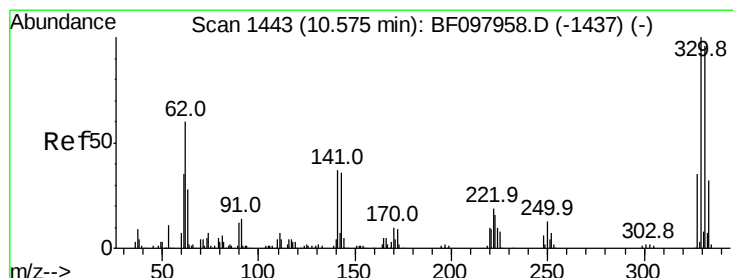
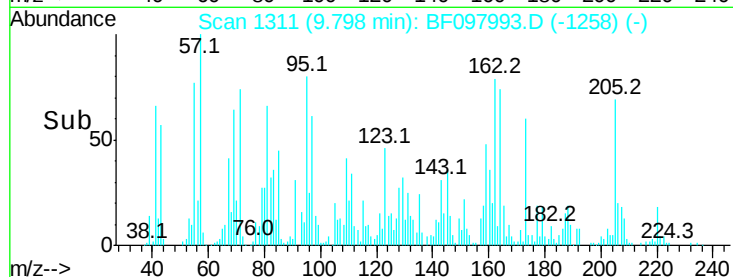
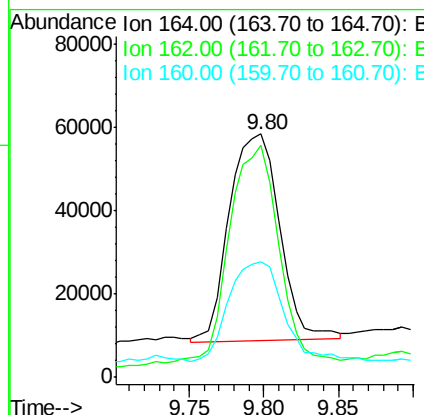
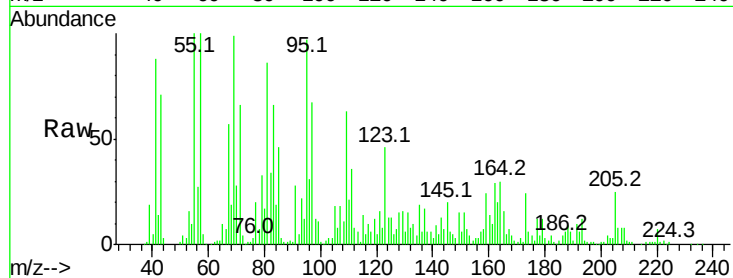




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.01 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

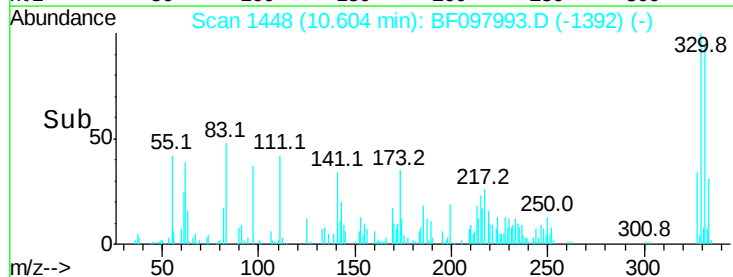
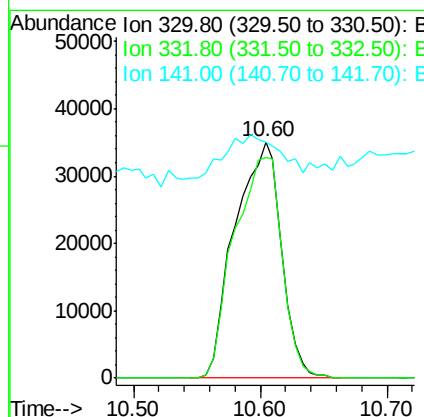
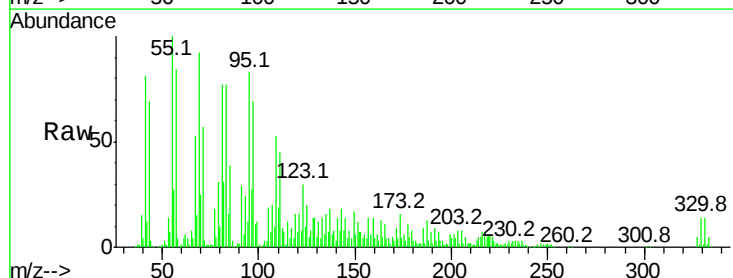
Instrument :
 BNA_F
 ClientSampleId :

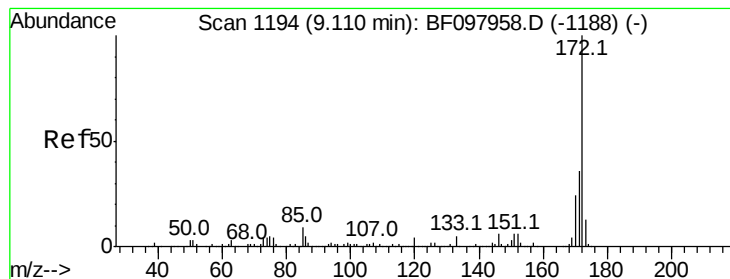
Tot Ion:164 Resp: 116289
 Ion Ratio Lower Upper
 164 100
 162 95.4 82.6 123.8
 160 47.7 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 88.525 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.03 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

Tgt Ion:330 Resp: 89321
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 21.5 31.4 47.2#

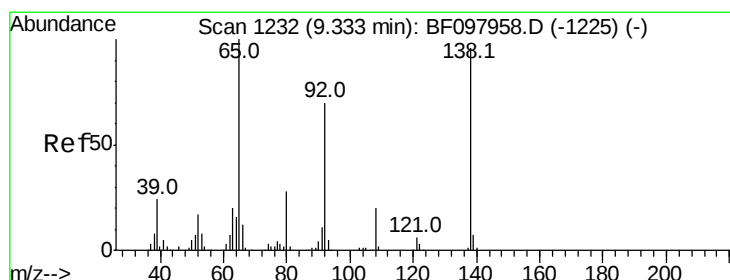
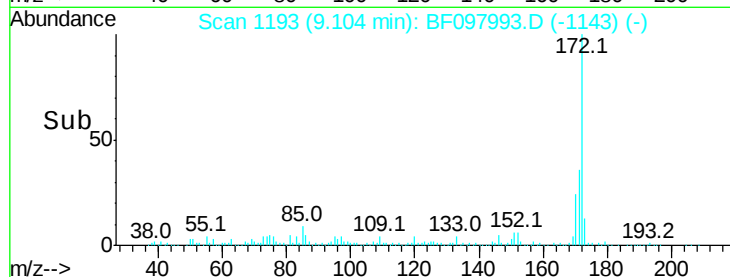
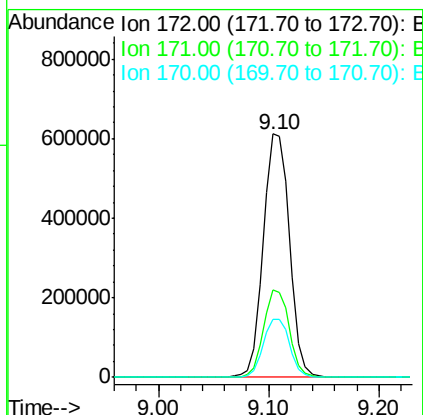
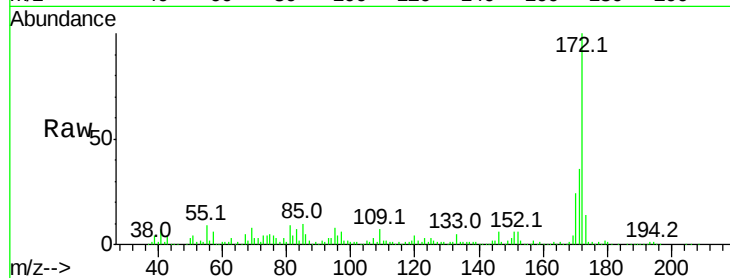




#44
 2-Fluorobiphenyl
 Concen: 128.914 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

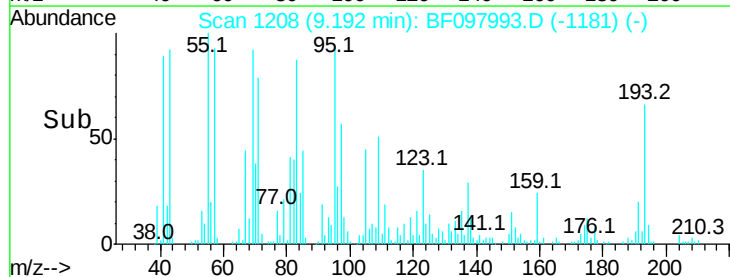
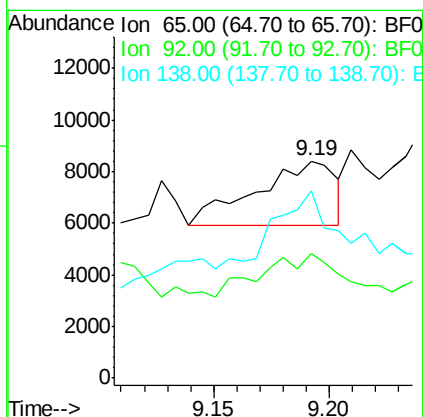
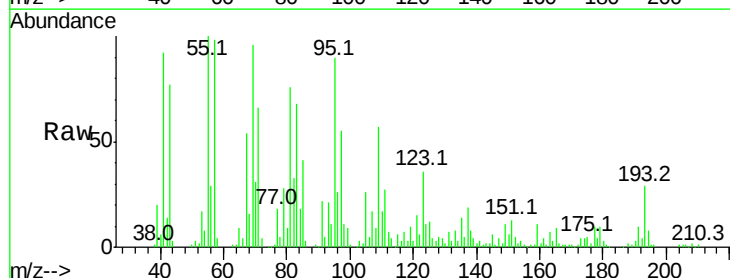
Instrument :
 BNA_F
 ClientSampleId :

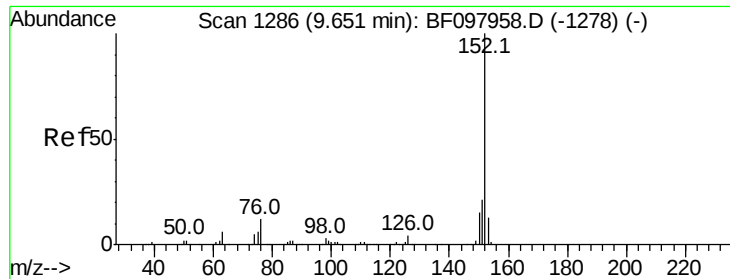
Tot Ion:172 Resp: 1020370
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.0 19.8 29.8



#47
 2-Nitroaniline
 Concen: 2.266 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.14 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

Tgt Ion: 65 Resp: 5951
 Ion Ratio Lower Upper
 65 100
 92 57.3 53.9 80.9
 138 86.7 78.8 118.2





#48

Acenaphthylene

Concen: 2.716 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.05 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampled :

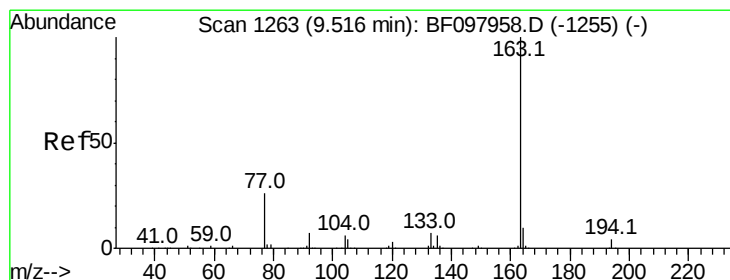
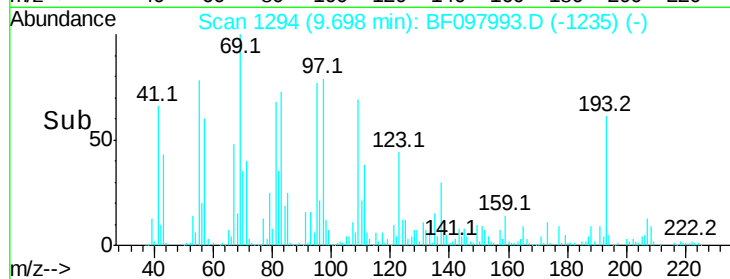
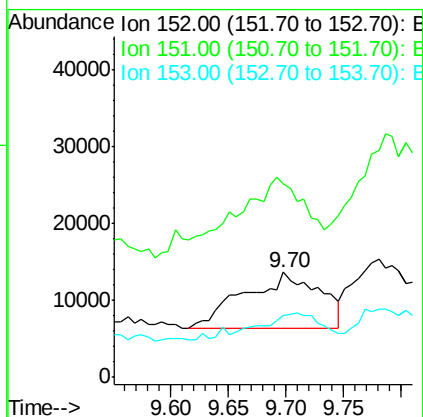
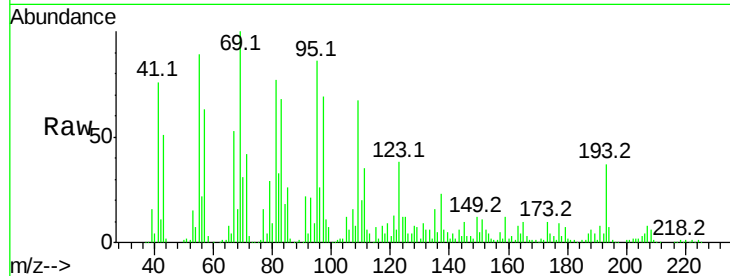
Tot Ion:152 Resp: 33414

Ion Ratio Lower Upper

152 100

151 183.9 16.8 25.2#

153 58.7 10.8 16.2#



#49

Dimethylphthalate

Concen: 10.825 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

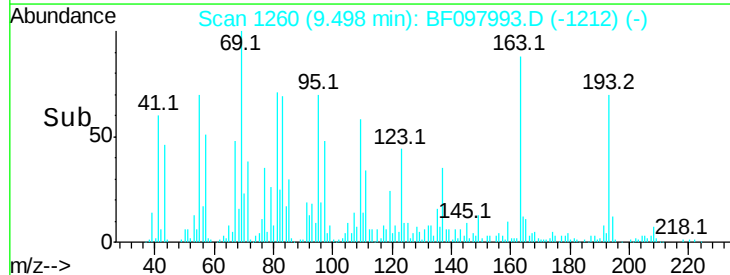
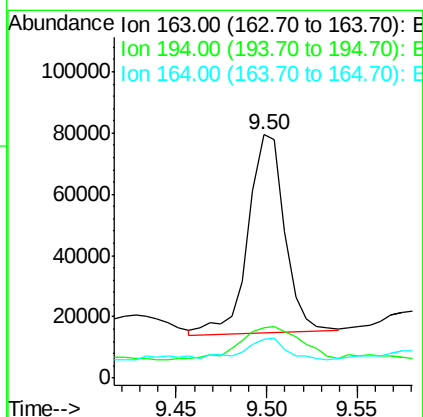
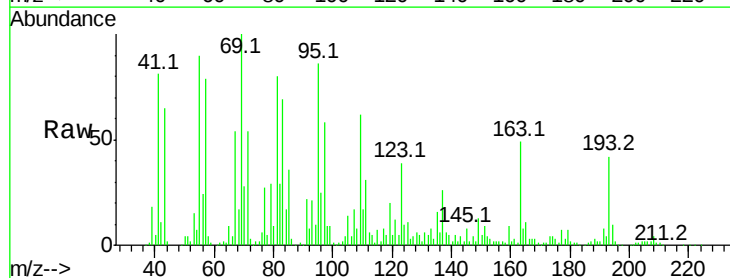
Tgt Ion:163 Resp: 92017

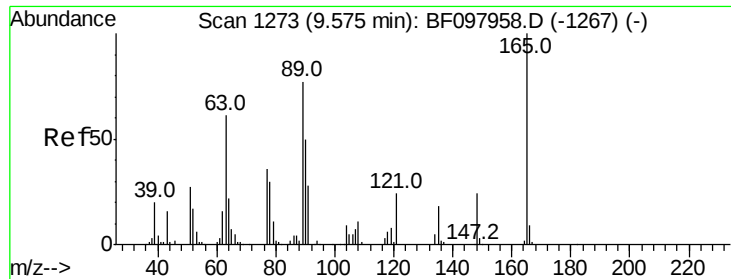
Ion Ratio Lower Upper

163 100

194 20.8 2.6 4.0#

164 15.8 8.4 12.6#

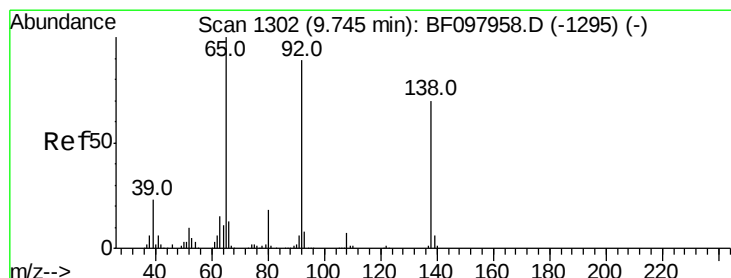
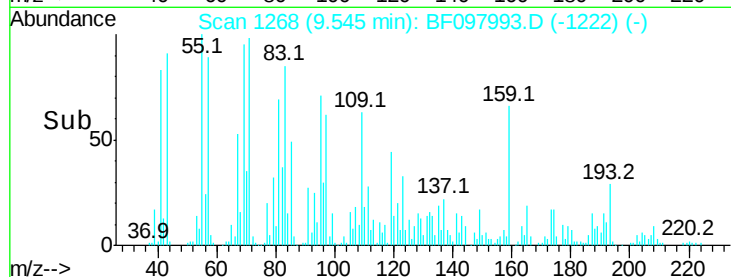
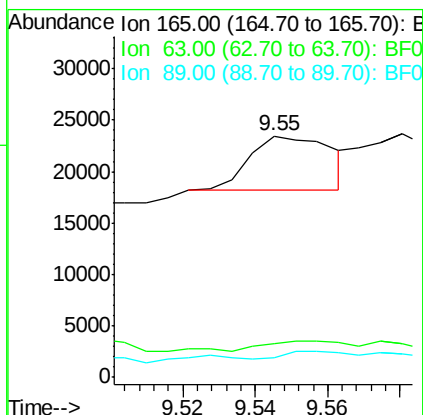
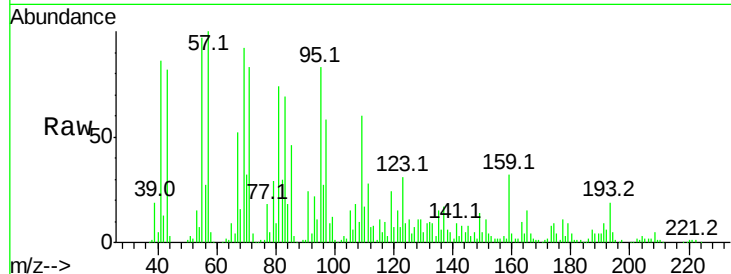




#50
 2,6-Dinitrotoluene
 Concen: 4.913 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.03 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

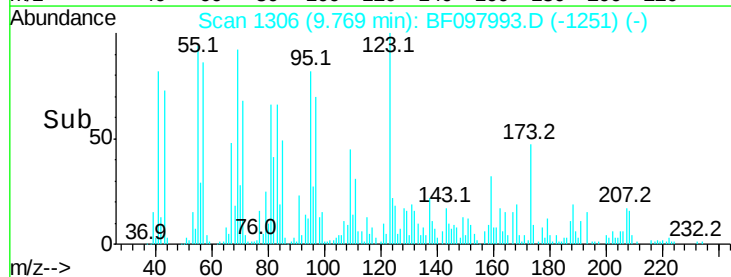
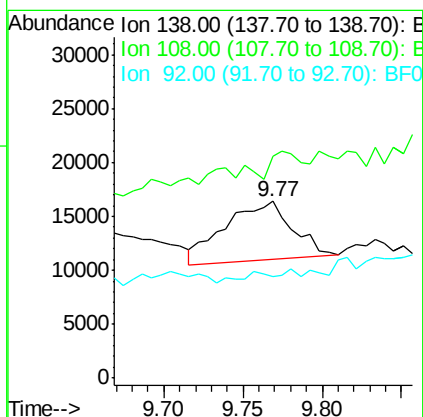
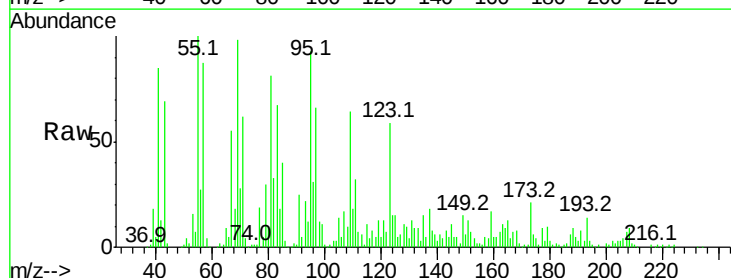
Instrument :
 BNA_F
 ClientSampled :

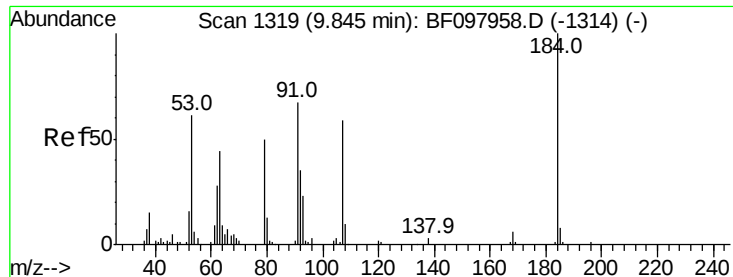
Tot Ion:165 Resp: 8336
 Ion Ratio Lower Upper
 165 100
 63 14.0 34.3 51.5#
 89 8.1 37.1 55.7#



#52
 3-Nitroaniline
 Concen: 7.466 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.02 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

Tgt Ion:138 Resp: 16344
 Ion Ratio Lower Upper
 138 100
 108 125.4 9.1 13.7#
 92 57.8 93.8 140.6#

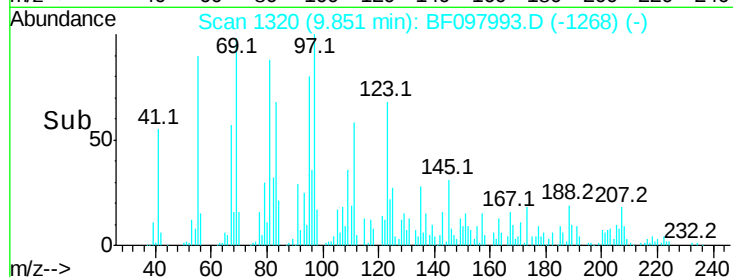
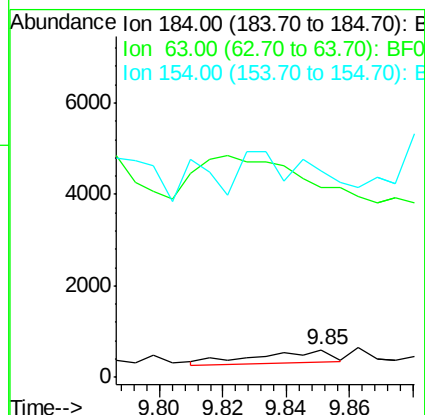
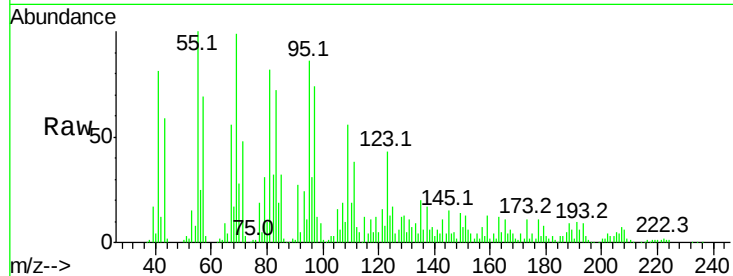




#53
2,4-Dinitrophenol
Concen: 10.608 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF097993.D
Acq: 23 Aug 2017 12:57

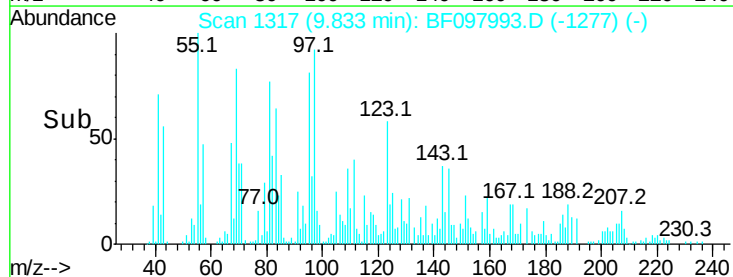
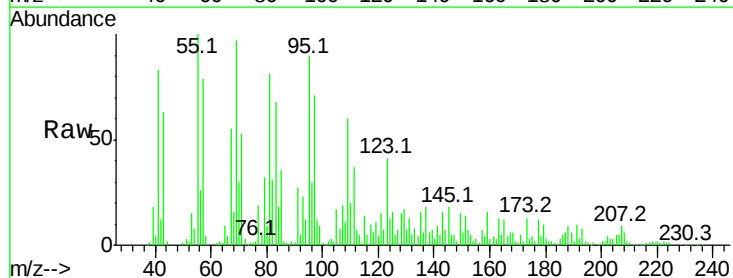
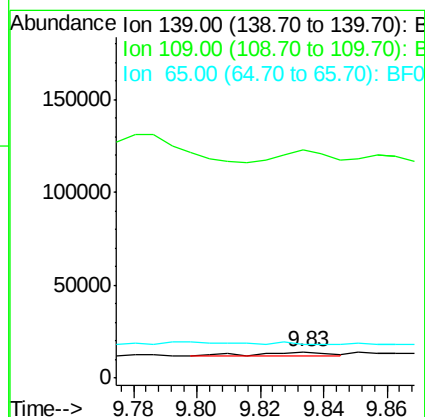
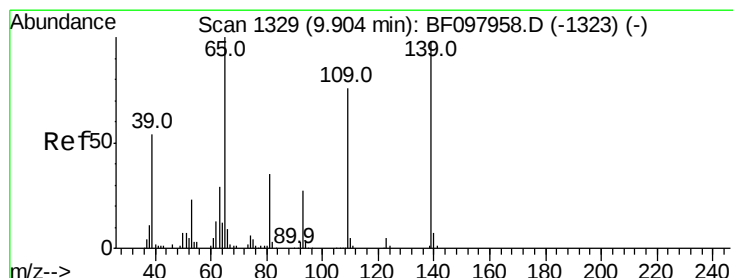
Instrument :
BNA_F
ClientSampleId :

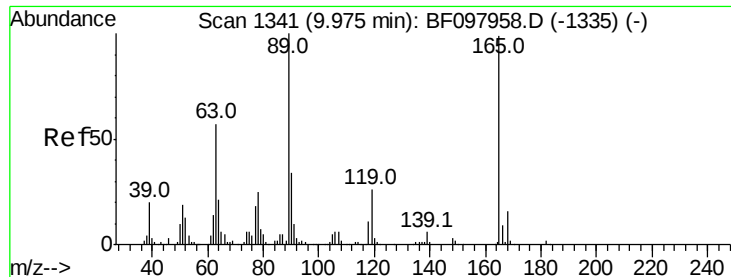
Tot Ion:184 Resp: 431
Ion Ratio Lower Upper
184 100
63 682.6 62.7 94.1#
154 742.9 81.1 121.7#



#55
4-Nitrophenol
Concen: 2.486 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.06 min
Lab File: BF097993.D
Acq: 23 Aug 2017 12:57

Tgt Ion:139 Resp: 4342
Ion Ratio Lower Upper
139 100
109 869.6 34.1 74.1#
65 129.3 31.4 71.4#

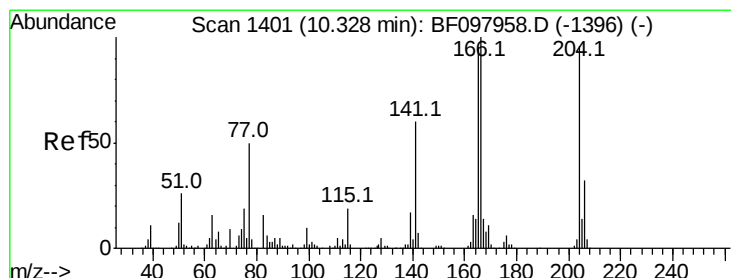
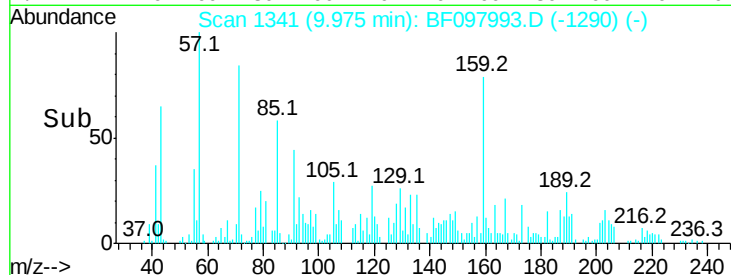
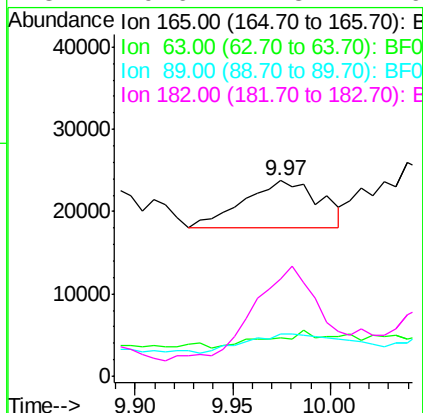
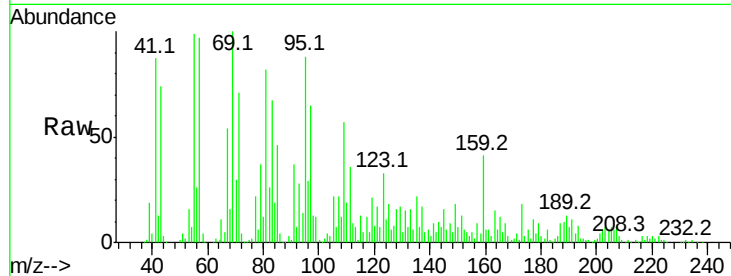




#56
 2,4-Dinitrotoluene
 Concen: 7.285 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

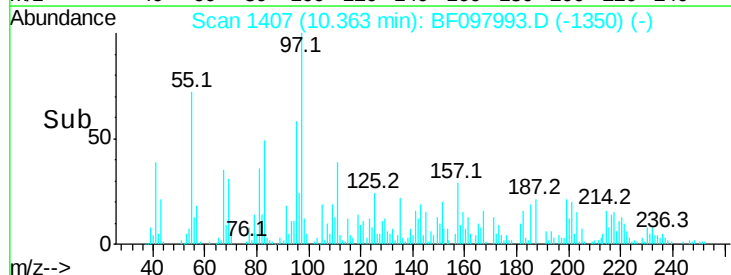
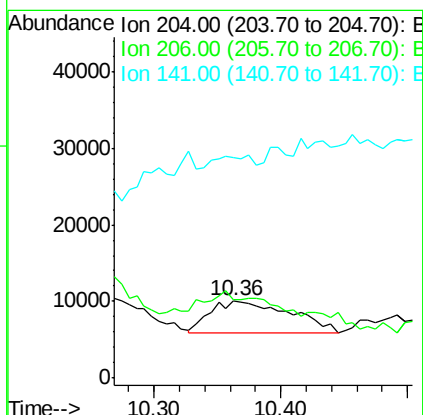
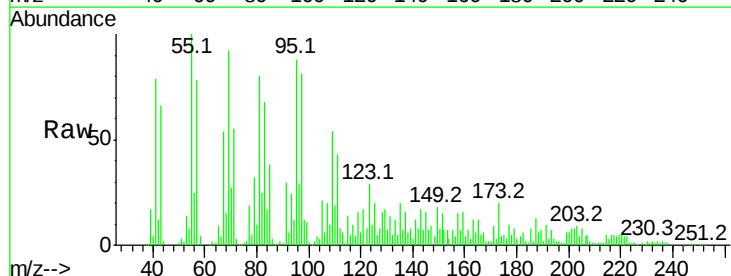
Instrument :
 BNA_F
 ClientSampled :

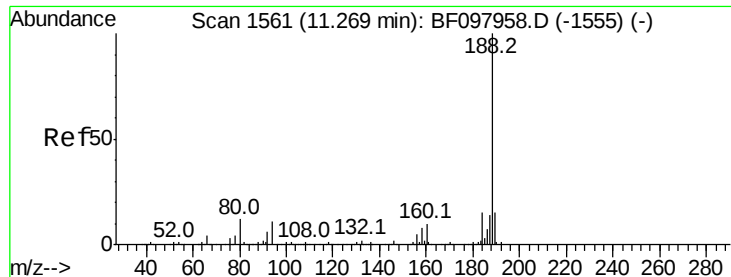
Tot Ion	Ratio	Lower	Upper
165	100		
63	19.9	25.4	38.0#
89	21.7	46.4	69.6#
182	49.6	1.8	2.6#



#60
 4-Chlorophenyl-phenylether
 Concen: 4.858 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. 0.04 min
 Lab File: BF097993.D
 Acq: 23 Aug 2017 12:57

Tgt Ion	Ratio	Lower	Upper
204	100		
206	101.3	26.2	39.2#
141	283.1	60.8	91.2#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.05 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampleId :

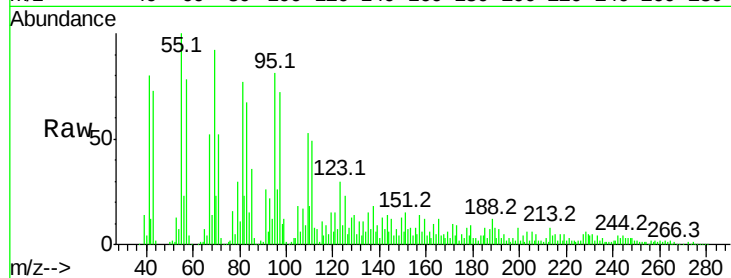
Tot Ion:188 Resp: 71262

Ion Ratio Lower Upper

188 100

94 93.8 9.4 14.2#

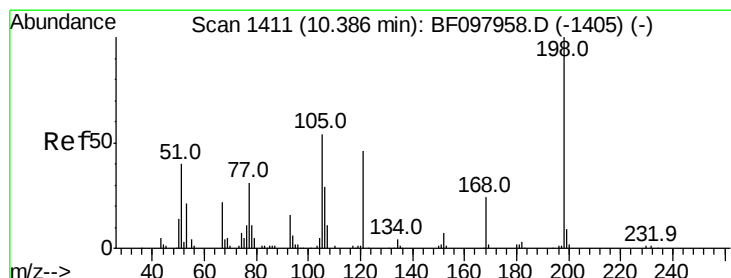
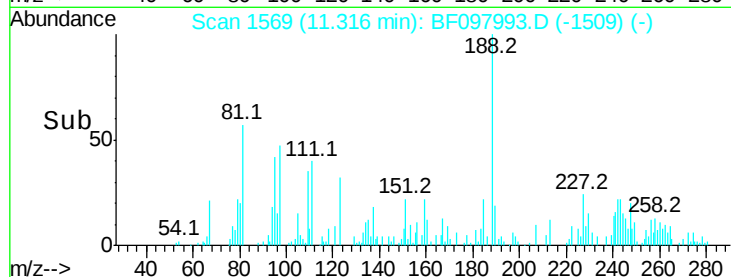
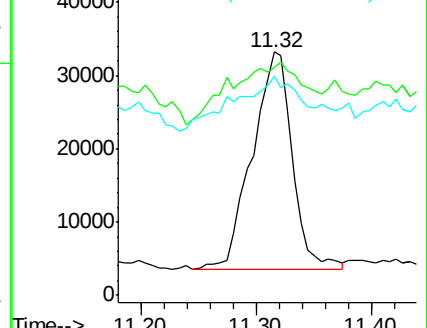
80 90.1 10.2 15.2#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 35.446 ng

RT: 10.36 min Scan# 1406

Delta R.T. -0.02 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

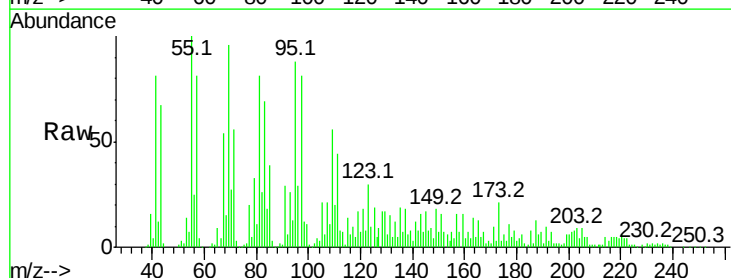
Tgt Ion:198 Resp: 11019

Ion Ratio Lower Upper

198 100

51 182.9 53.2 93.2#

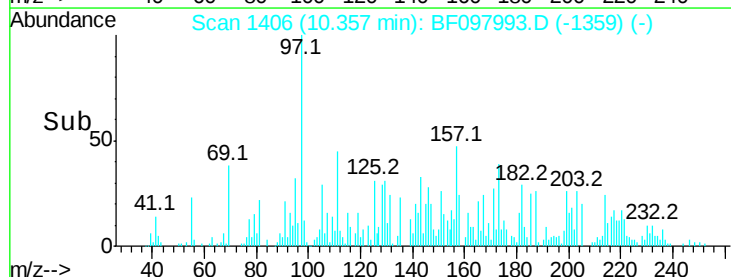
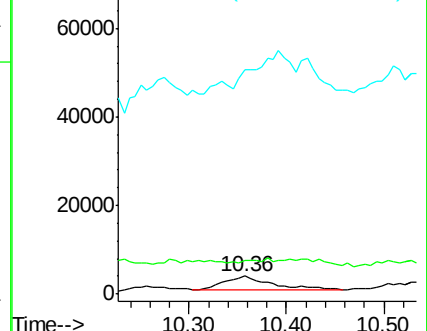
105 1228.5 45.8 85.8#

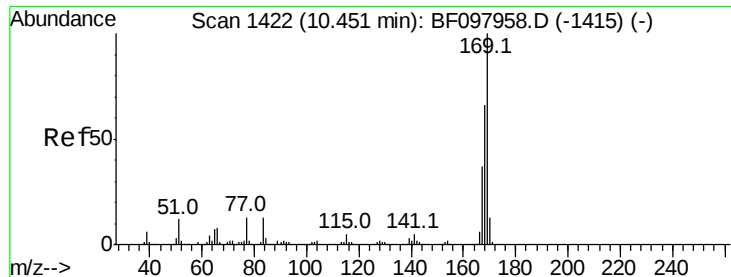


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 10.479 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.04 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampleId :

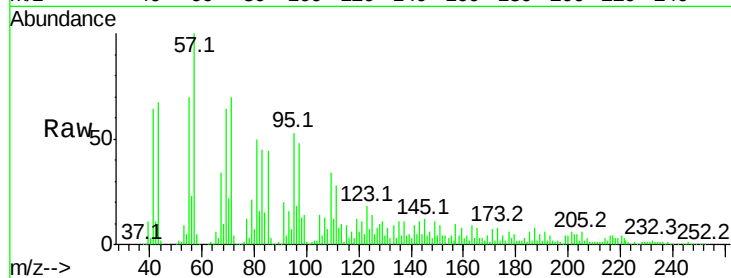
Tot Ion:169 Resp: 25428

Ion Ratio Lower Upper

169 100

168 41.2 53.2 79.8#

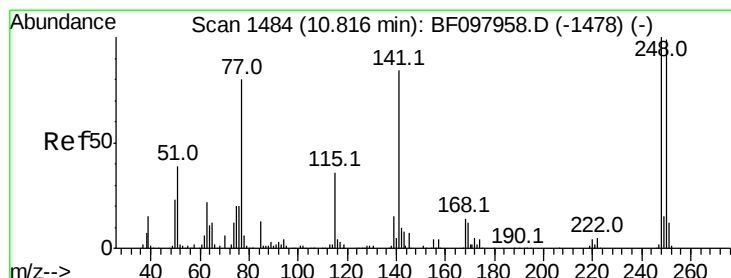
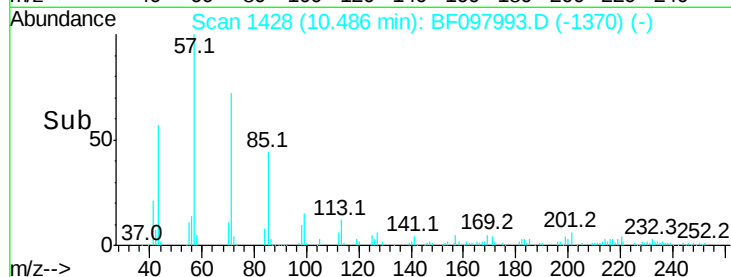
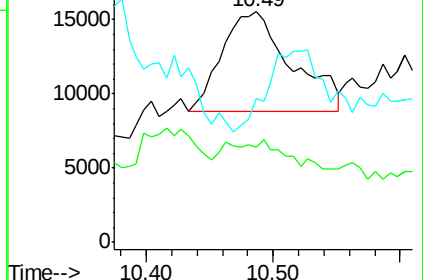
167 62.3 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 7.882 ng

RT: 10.85 min Scan# 1490

Delta R.T. 0.04 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

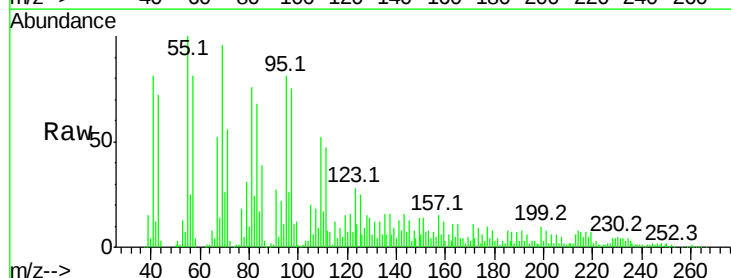
Tgt Ion:248 Resp: 5833

Ion Ratio Lower Upper

248 100

250 100.9 76.8 115.2

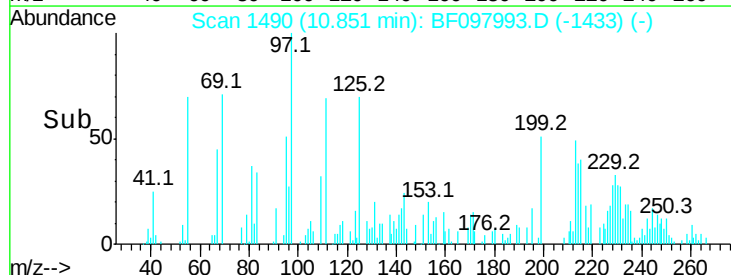
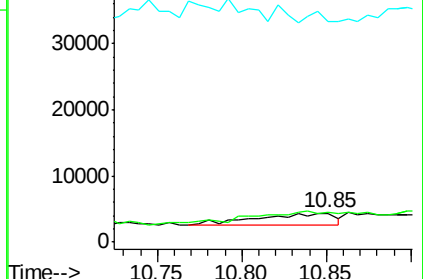
141 760.6 68.6 103.0#

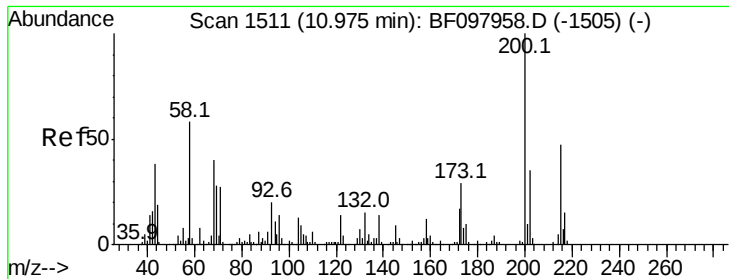


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Atrazine

Concen: 18.345 ng

RT: 11.03 min Scan# 1520

Delta R.T. 0.05 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampled :

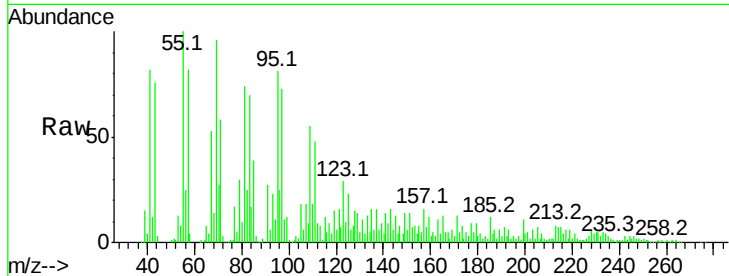
Tot Ion:200 Resp: 11806

Ion Ratio Lower Upper

200 100

173 201.5 6.3 46.3#

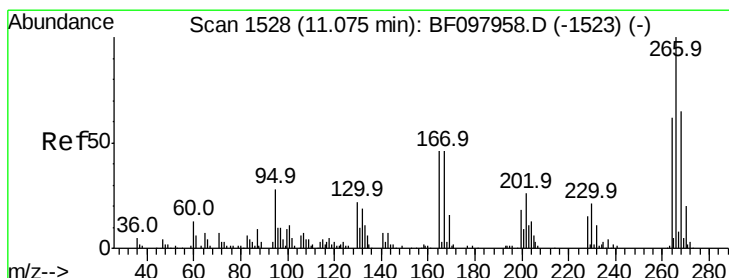
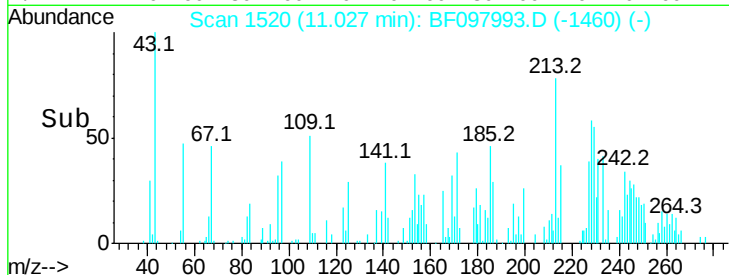
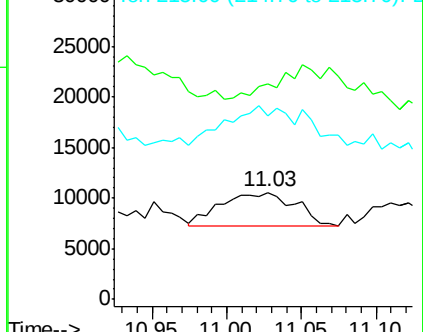
215 170.5 27.2 67.2#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 13.952 ng

RT: 11.16 min Scan# 1543

Delta R.T. 0.09 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

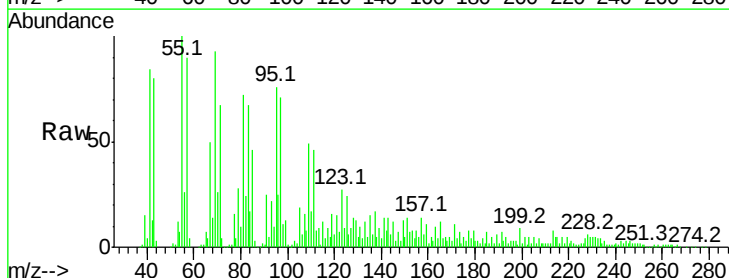
Tgt Ion:266 Resp: 6136

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

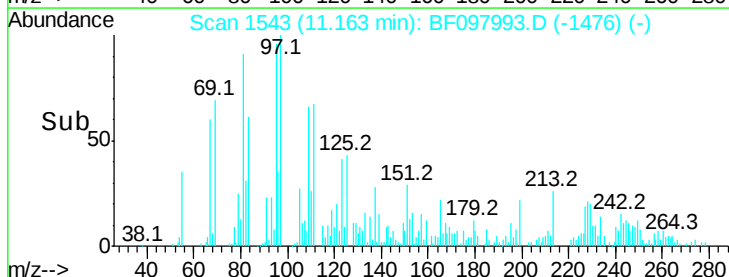
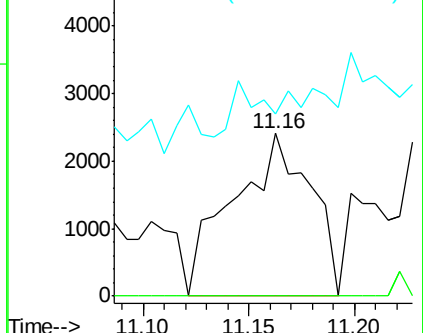
264 112.2 51.7 77.5#

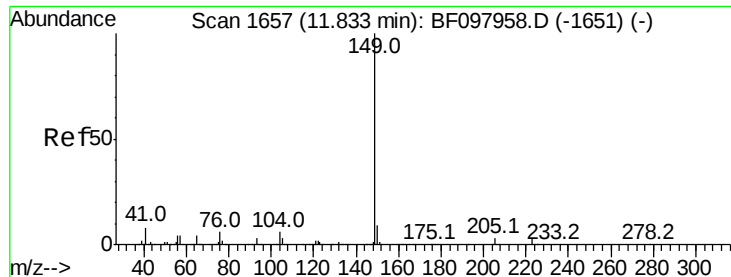


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#73

Di-n-butylphthalate

Concen: 9.391 ng

RT: 11.88 min Scan# 1665

Delta R.T. 0.05 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampleId :

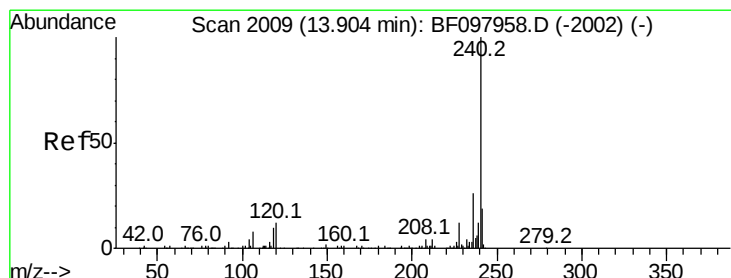
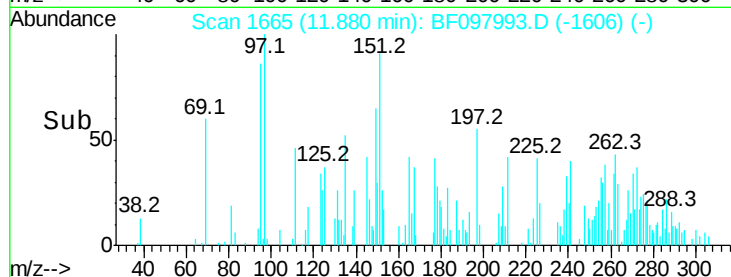
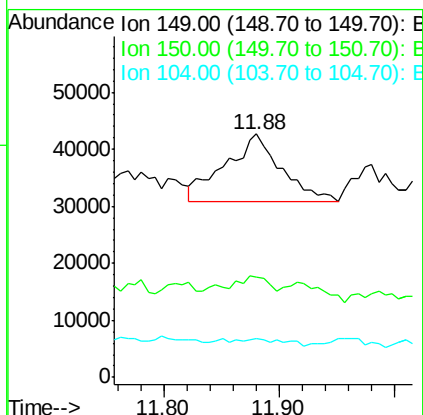
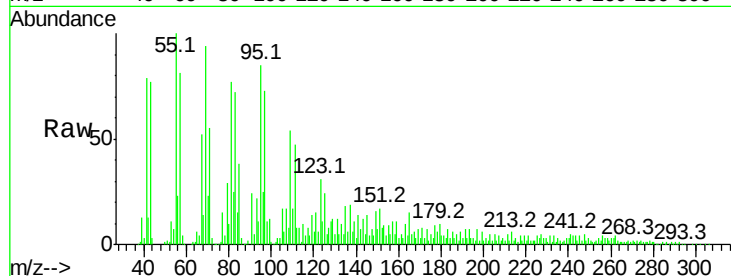
Tot Ion:149 Resp: 39548

Ion Ratio Lower Upper

149 100

150 41.4 7.7 11.5#

104 16.0 4.0 6.0#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

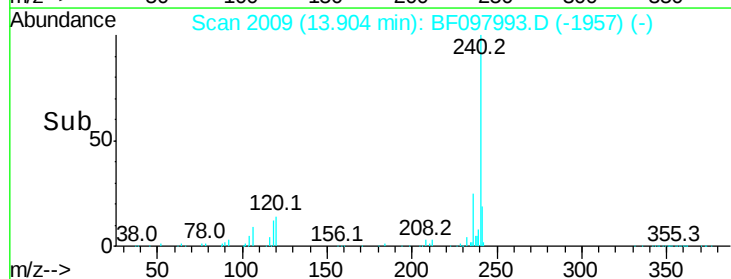
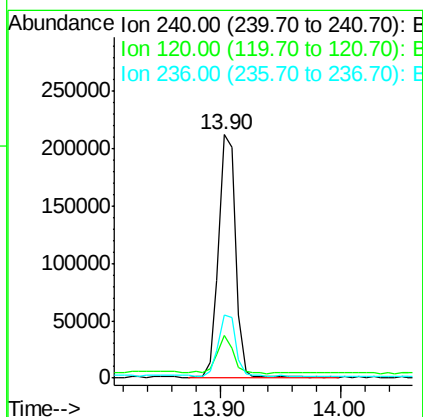
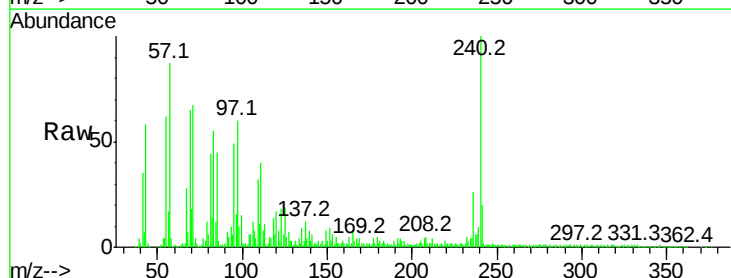
Tgt Ion:240 Resp: 202169

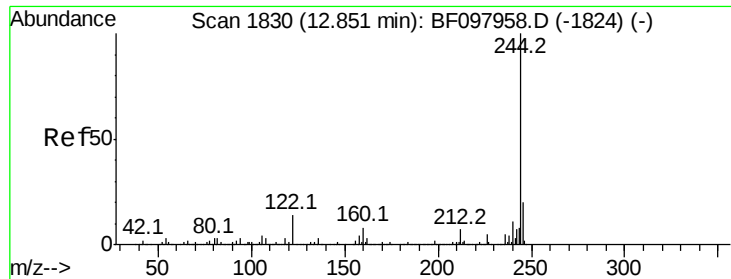
Ion Ratio Lower Upper

240 100

120 17.3 5.8 8.8#

236 26.0 20.5 30.7





#78

Terphenyl-d14

Concen: 39.294 ng

RT: 12.89 min Scan# 1836

Delta R.T. 0.04 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

Instrument :

BNA_F

ClientSampleId :

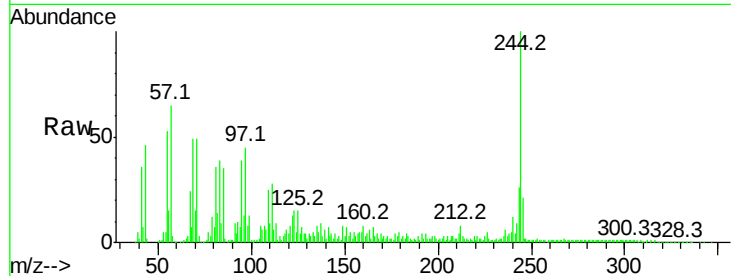
Tot Ion:244 Resp: 380952

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

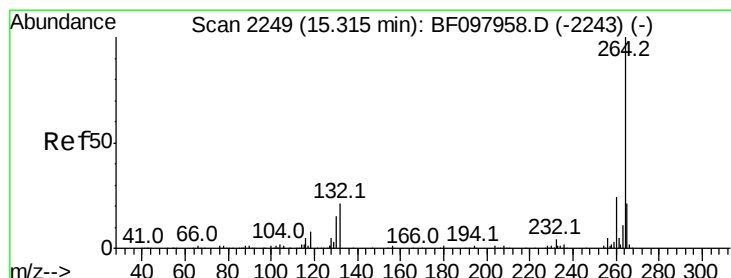
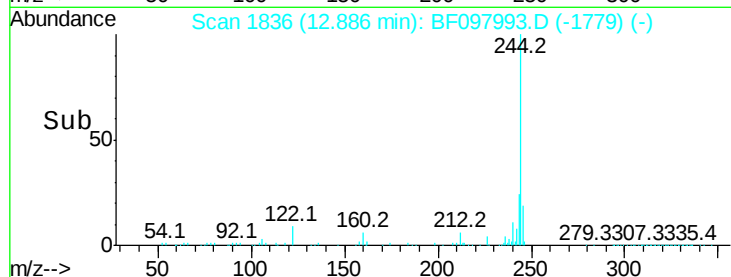
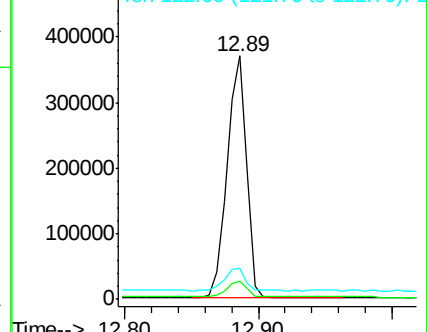
122 12.7 10.3 15.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF097993.D

Acq: 23 Aug 2017 12:57

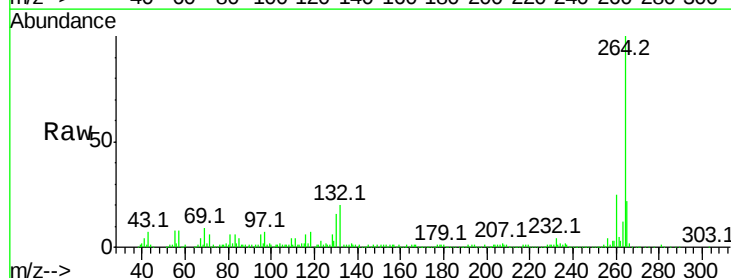
Tgt Ion:264 Resp: 234504

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 21.5 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

