

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097347.D
 Acq On : 4 Aug 2017 5:28
 Operator : SJ/JU
 Sample : I4532-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 05:58:55 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

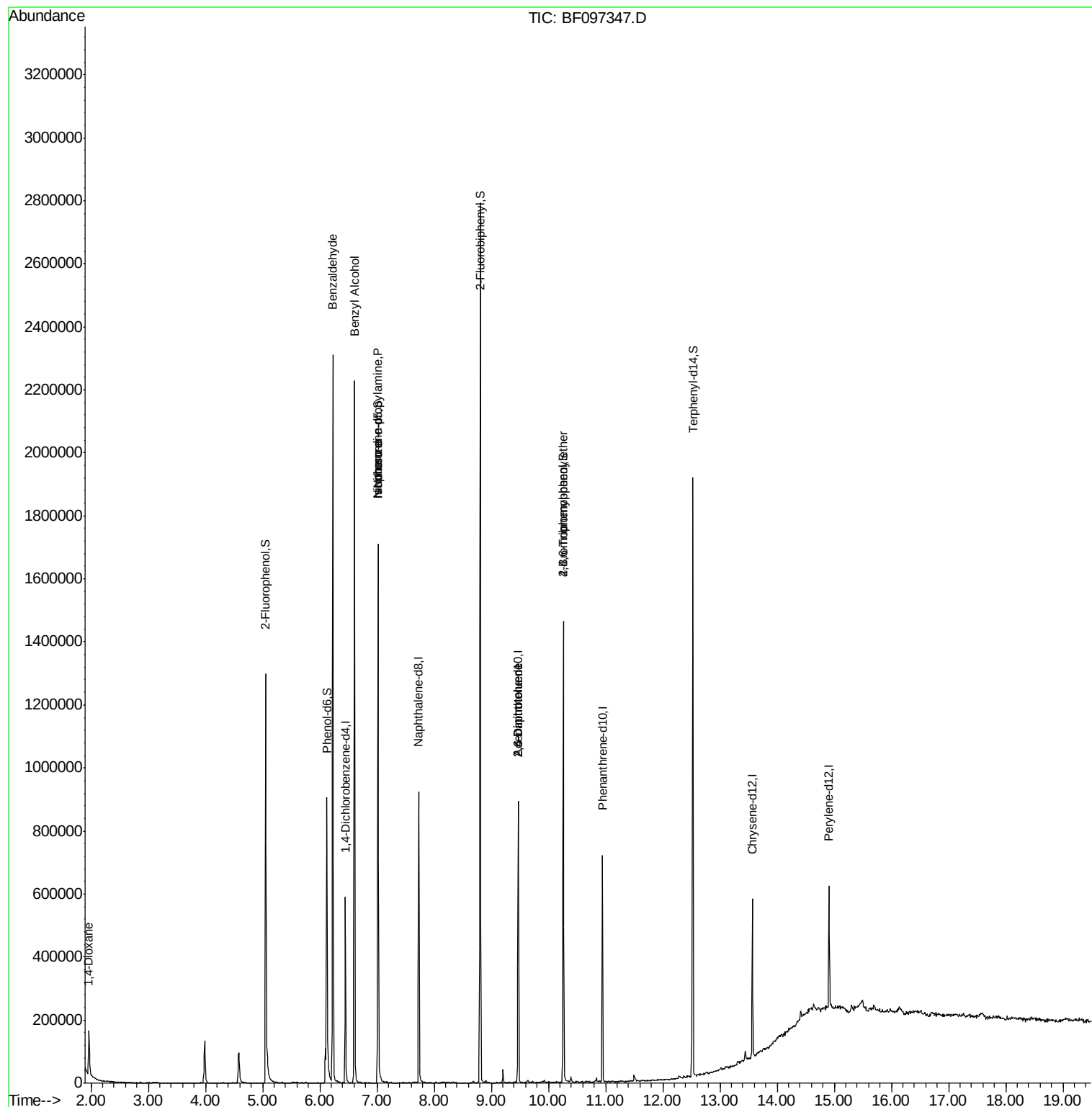
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	93163	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	431770	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	165100	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	245457	20.00	ng	-0.06
75) Chrysene-d12	13.57	240	166439	20.00	ng	-0.06
86) Perylene-d12	14.91	264	138147	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	436098	70.57	ng	-0.05
7) Phenol-d6	6.12	99	343611	48.70	ng	-0.05
23) Nitrobenzene-d5	7.02	82	528698	71.83	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	158908	121.82	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	930315	95.63	ng	-0.06
78) Terphenyl-d14	12.53	244	599220	73.40	ng	-0.06
Target Compounds						
2) 1,4-Dioxane	1.96	88	54609	21.175	ng	# 67
9) Benzaldehyde	6.22	77	14007	3.354	ng	# 70
15) Benzyl Alcohol	6.60	79	9580	2.145	ng	# 39
19) n-Nitroso-di-n-propylamine	7.02	70	71266	15.346	ng	# 88
25) Isophorone	7.02	82	521337	36.169	ng	# 67
50) 2,6-Dinitrotoluene	9.47	165	21097	7.934	ng	# 32
56) 2,4-Dinitrotoluene	9.47	165	21097	6.902	ng	# 32
66) 4-Bromophenyl-phenylether	10.26	248	10312	4.210	ng	# 1

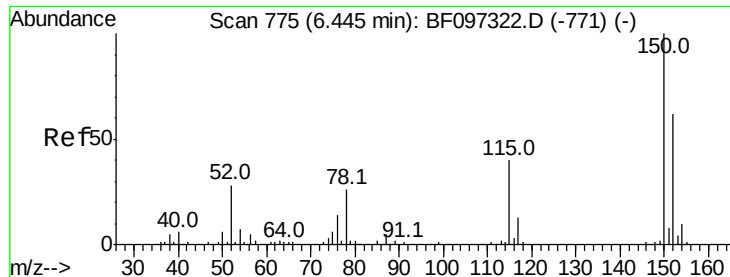
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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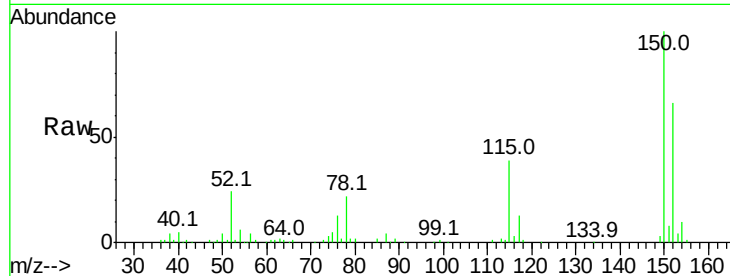


#1

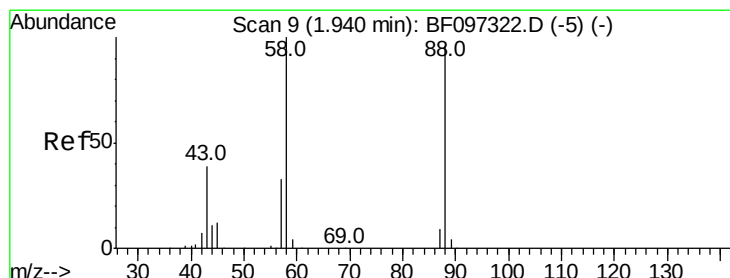
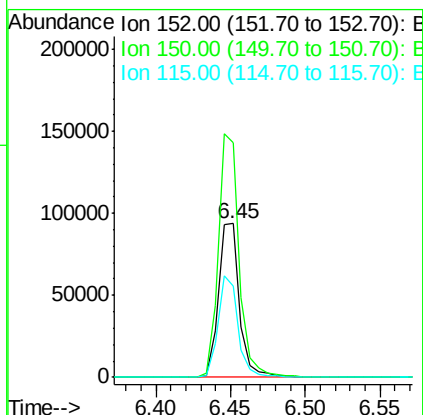
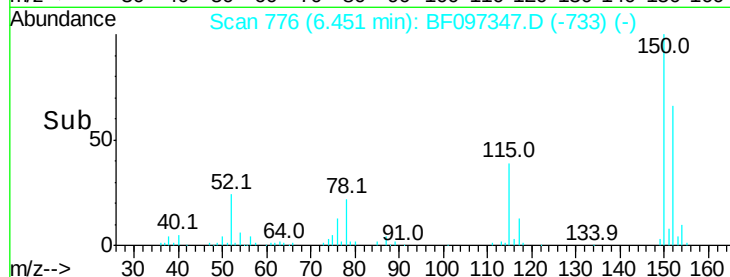
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097347.D
Acq: 4 Aug 2017 5:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93163
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.2
115 59.6 52.2 78.2



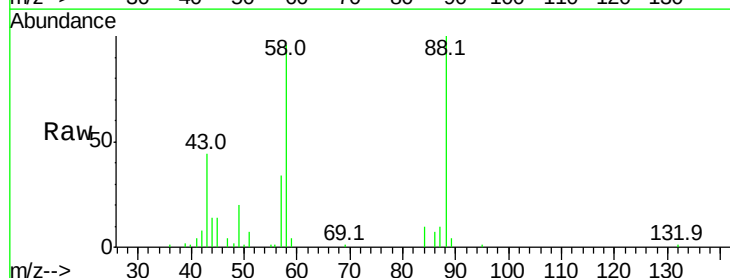
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



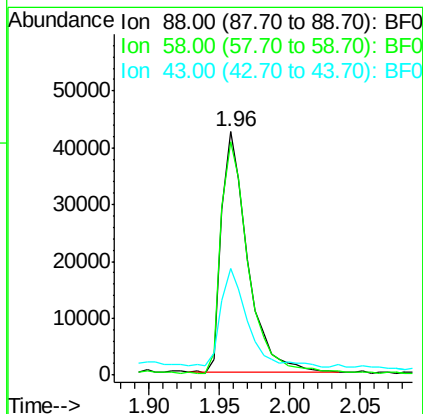
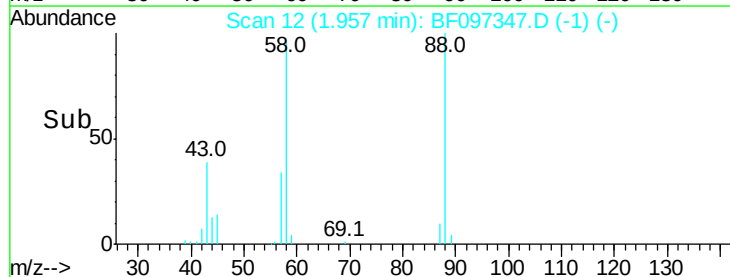
#2

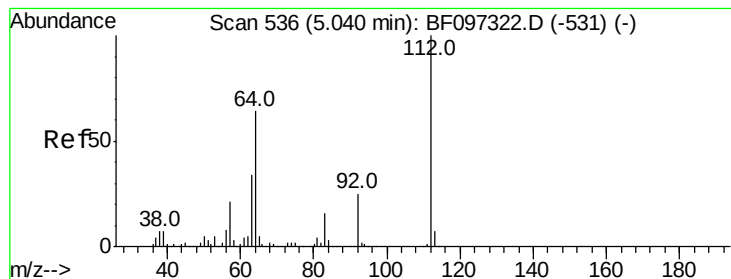
1,4-Dioxane
Concen: 21.175 ng
RT: 1.96 min Scan# 12
Delta R.T. -0.09 min
Lab File: BF097347.D
Acq: 4 Aug 2017 5:28

Tgt Ion: 88 Resp: 54609
Ion Ratio Lower Upper
88 100
58 107.4 61.4 92.0#
43 42.6 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 70.566 ng

RT: 5.05 min Scan# 538

Delta R.T. -0.05 min

Lab File: BF097347.D

Acq: 4 Aug 2017 5:28

Instrument :

BNA_F

ClientSampleId :

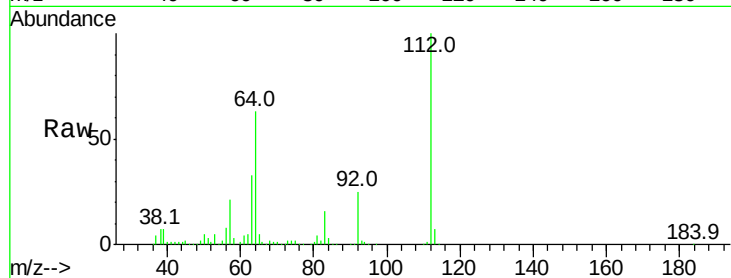
Tot Ion:112 Resp: 436098

Ion Ratio Lower Upper

112 100

64 63.2 46.0 69.0

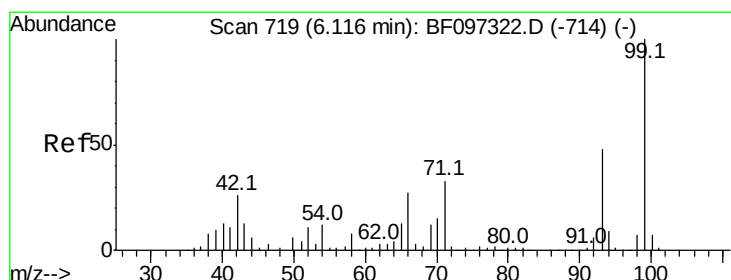
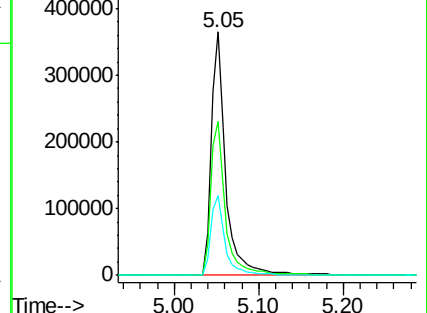
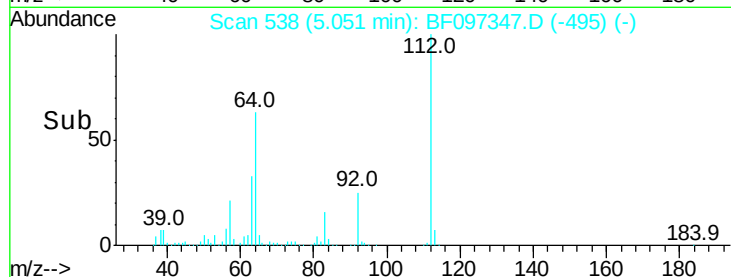
63 32.8 23.4 35.0



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: 48.703 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097347.D

Acq: 4 Aug 2017 5:28

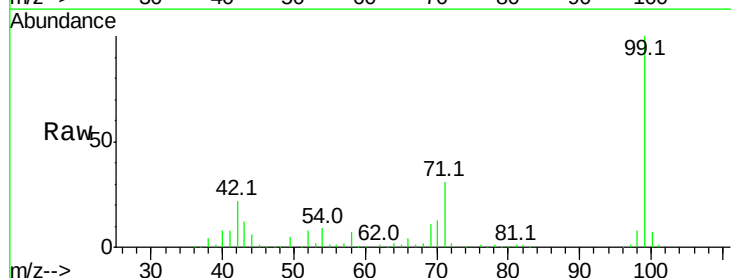
Tgt Ion: 99 Resp: 343611

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

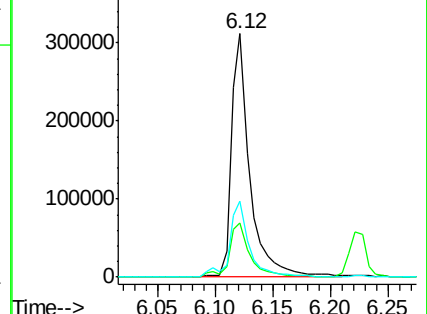
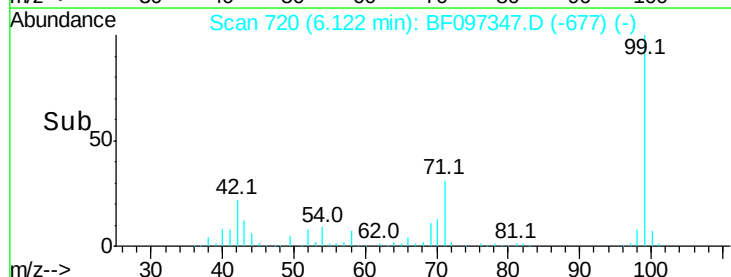
71 31.4 24.5 36.7

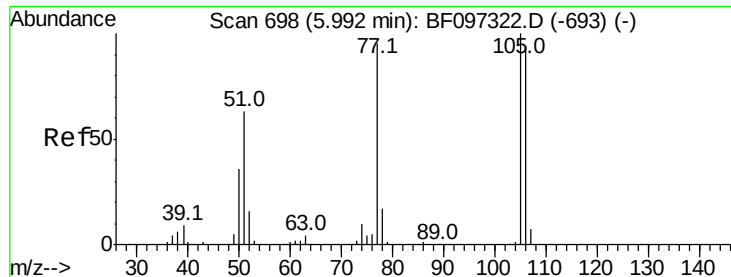


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

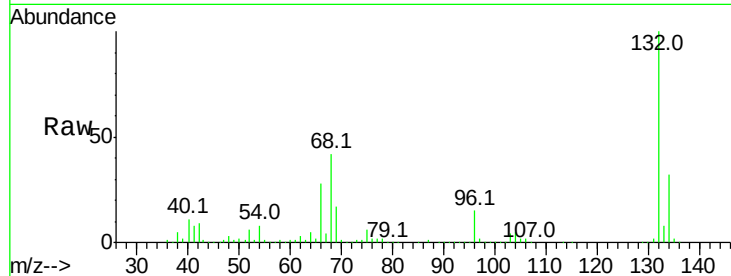




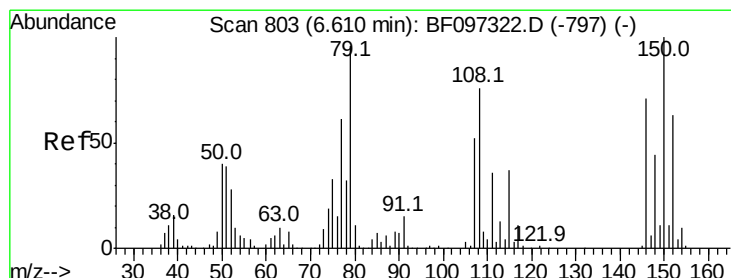
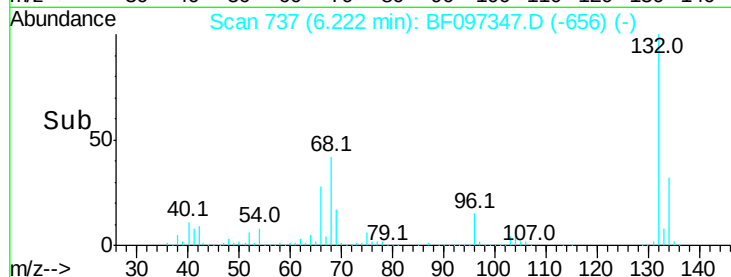
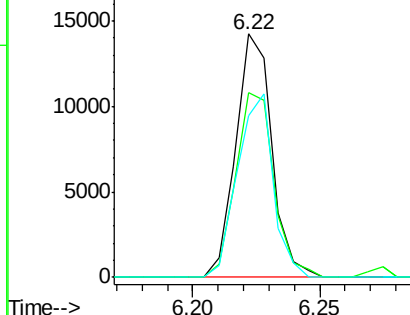
#9
Benzaldehyde
Concen: 3.354 ng
RT: 6.22 min Scan# 737
Delta R.T. 0.18 min
Lab File: BF097347.D
Acq: 4 Aug 2017 5:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 14007
Ion Ratio Lower Upper
77 100
105 75.8 83.8 123.8#
106 66.6 79.1 119.1#

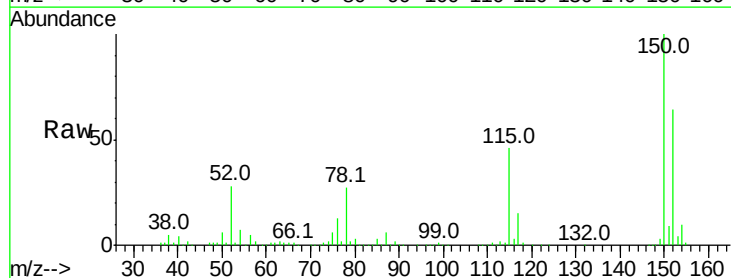


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

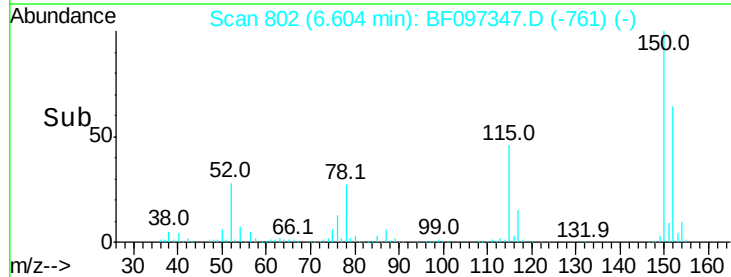
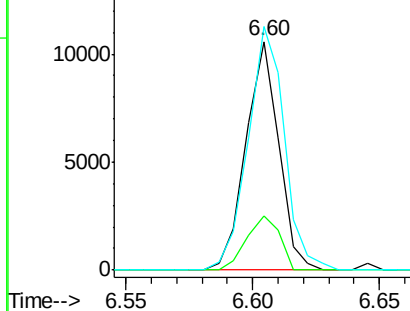


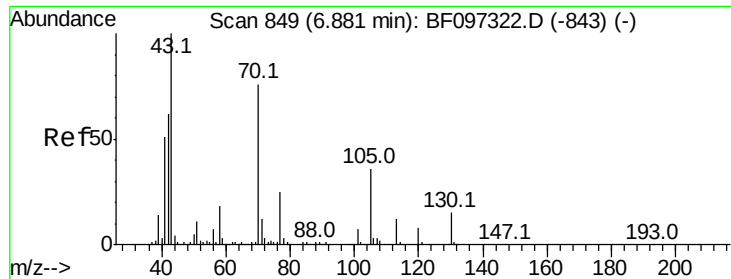
#15
Benzyl Alcohol
Concen: 2.145 ng
RT: 6.60 min Scan# 802
Delta R.T. -0.06 min
Lab File: BF097347.D
Acq: 4 Aug 2017 5:28

Tgt Ion: 79 Resp: 9580
Ion Ratio Lower Upper
79 100
108 23.7 63.4 95.0#
77 106.5 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0

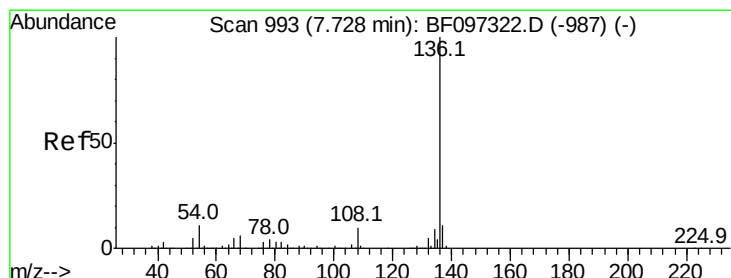
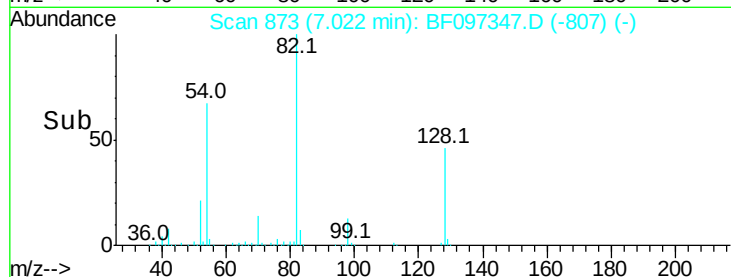
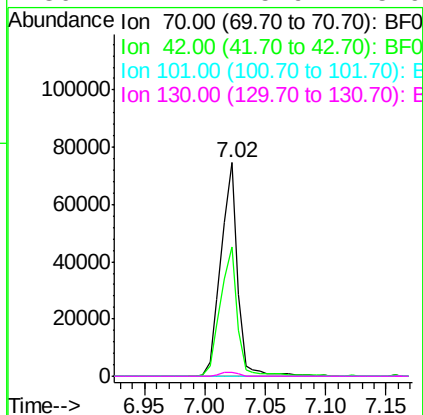
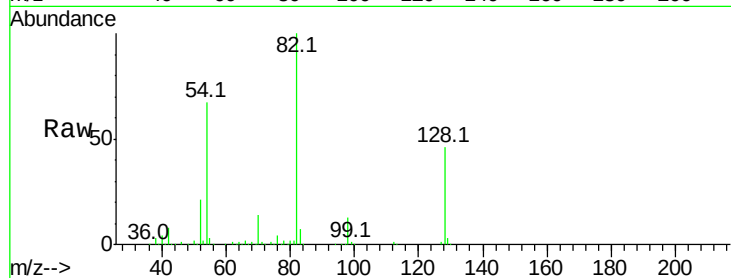




#19
n-Nitroso-di-n-propylamine
Concen: 15.346 ng
RT: 7.02 min Scan# 873
Delta R.T. 0.09 min
Lab File: BF097347.D
Acq: 4 Aug 2017 5:28

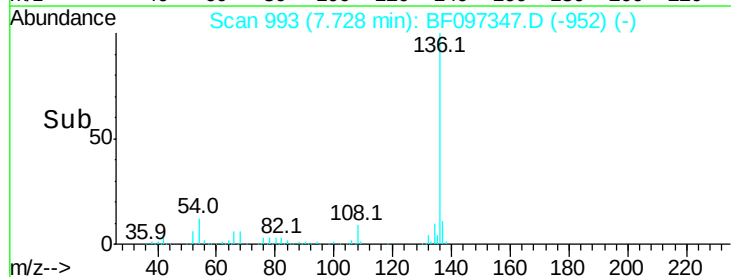
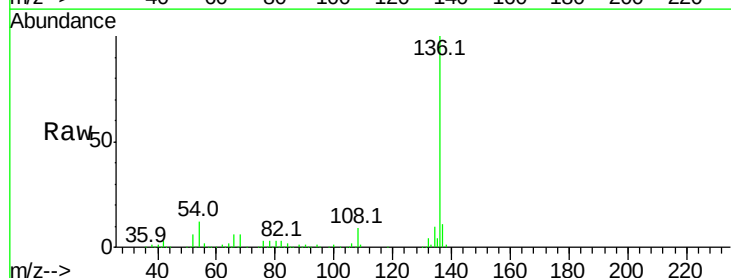
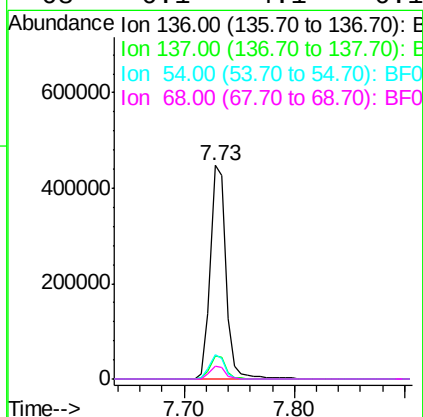
Instrument :
BNA_F
ClientSampleId :

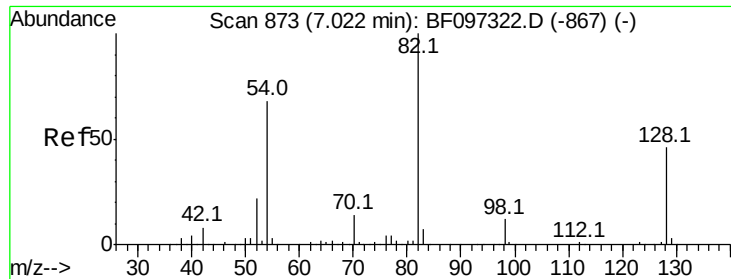
Tot Ion: 70 Resp: 71266
Ion Ratio Lower Upper
70 100
42 60.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097347.D
Acq: 4 Aug 2017 5:28

Tgt Ion:136 Resp: 431770
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.7 4.9 7.3#
68 6.1 4.1 6.1

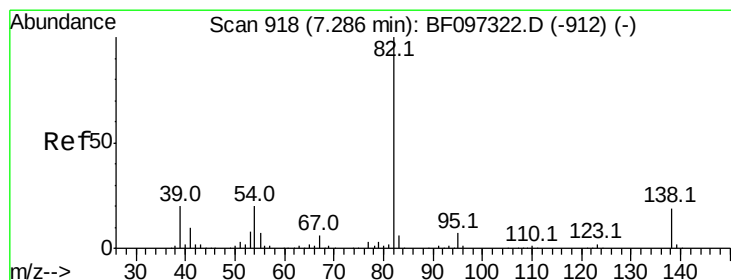
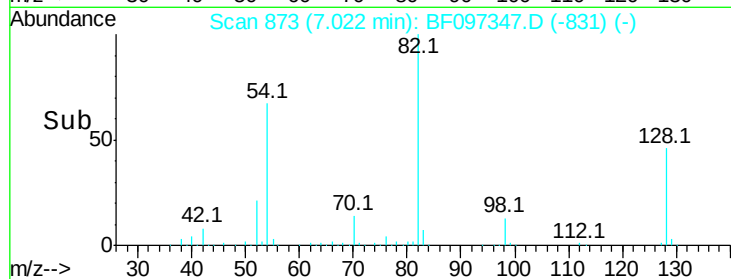
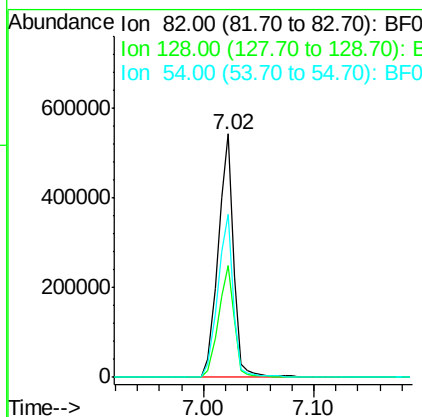
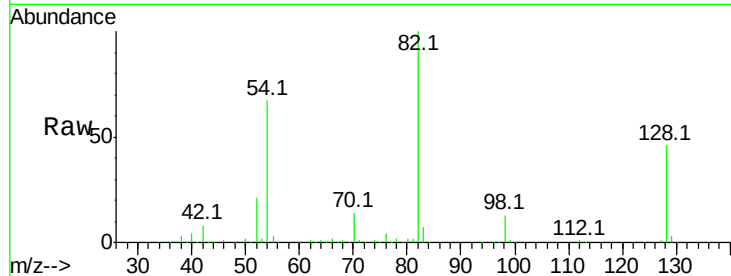




#23
 Nitrobenzene-d5
 Concen: 71.833 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

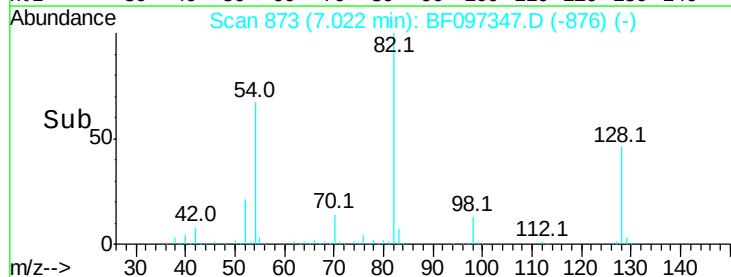
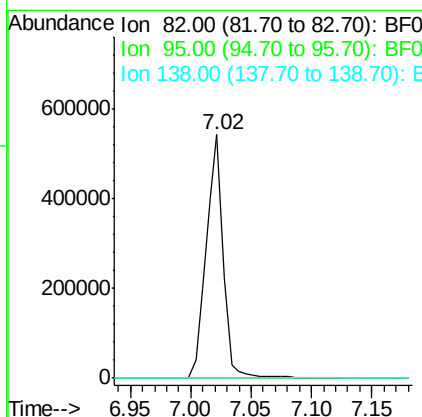
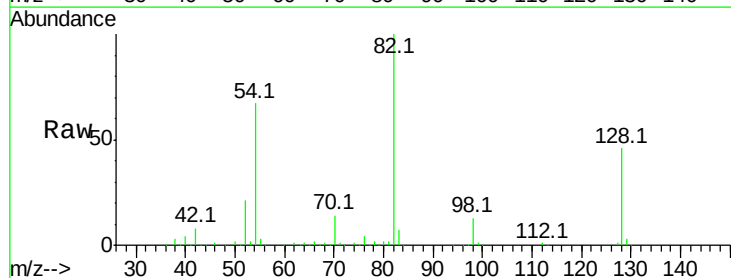
Instrument :
 BNA_F
 ClientSampleId :

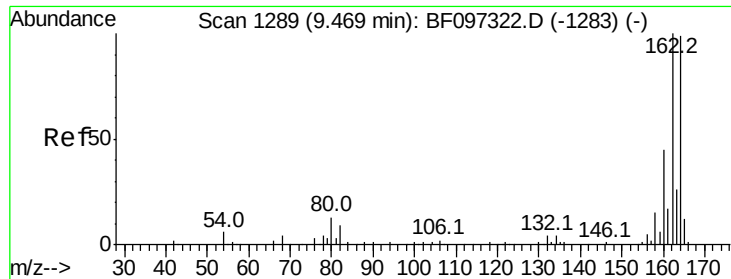
Tot Ion	82	Resp	528698
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	67.0	42.2	63.2#



#25
 Isophorone
 Concen: 36.169 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.32 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

Tgt Ion	82	Resp	521337
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

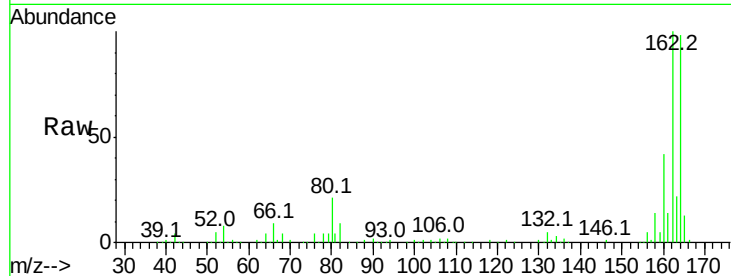




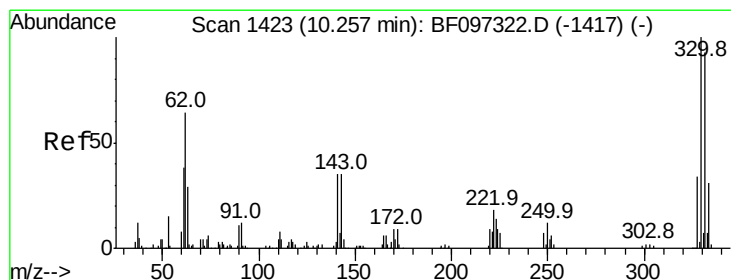
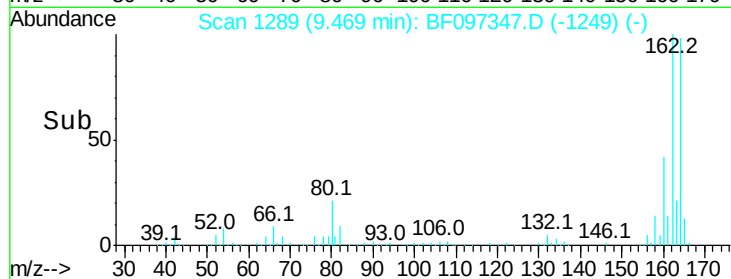
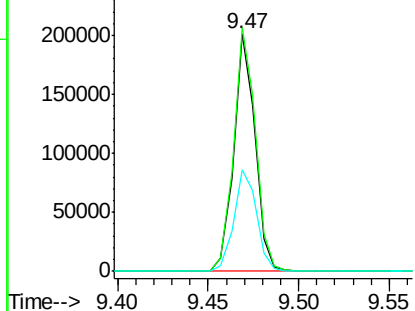
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 165100
 Ion Ratio Lower Upper
 164 100
 162 102.5 82.6 123.8
 160 42.9 36.2 54.2

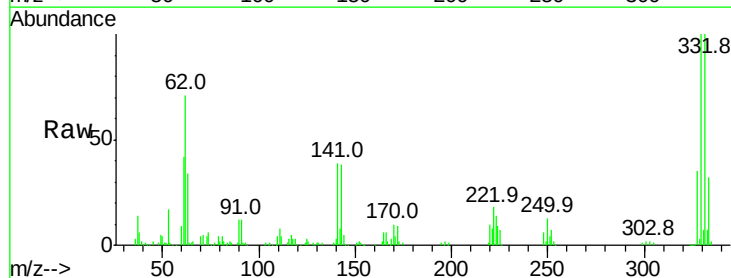


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

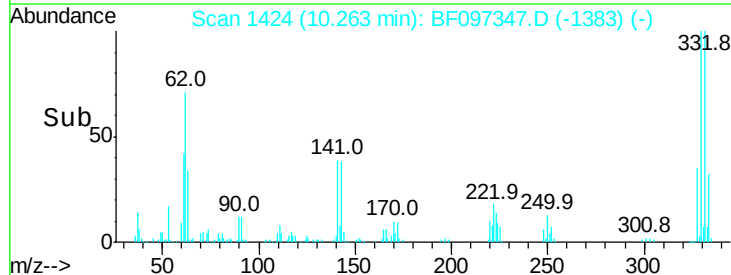
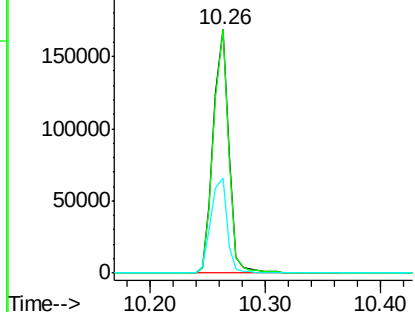


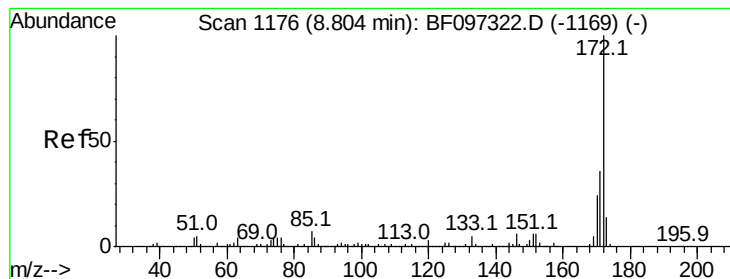
#41
 2,4,6-Tribromophenol
 Concen: 121.820 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

Tgt Ion:330 Resp: 158908
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 41.1 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: 95.629 ng

RT: 8.81 min Scan# 1177

Delta R.T. -0.06 min

Lab File: BF097347.D

Acq: 4 Aug 2017 5:28

Instrument :

BNA_F

ClientSampleId :

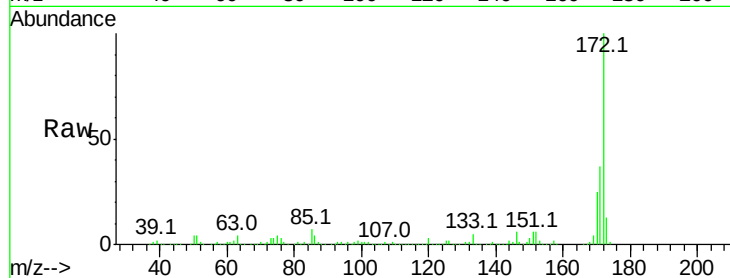
Tot Ion:172 Resp: 930315

Ion Ratio Lower Upper

172 100

171 36.9 29.6 44.4

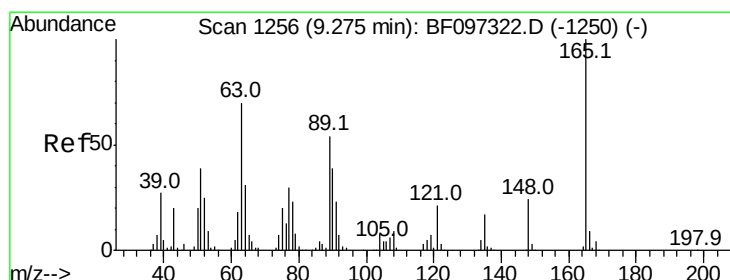
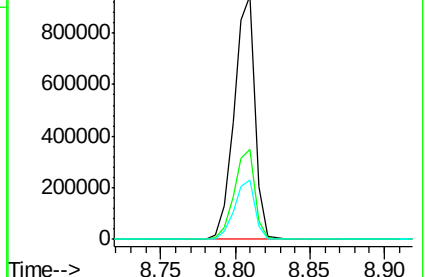
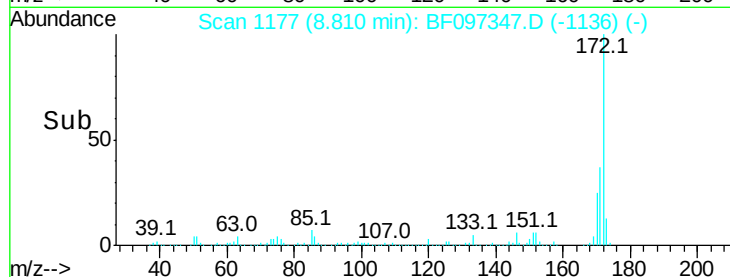
170 24.6 19.8 29.8



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



#50

2,6-Dinitrotoluene

Concen: 7.934 ng

RT: 9.47 min Scan# 1289

Delta R.T. 0.14 min

Lab File: BF097347.D

Acq: 4 Aug 2017 5:28

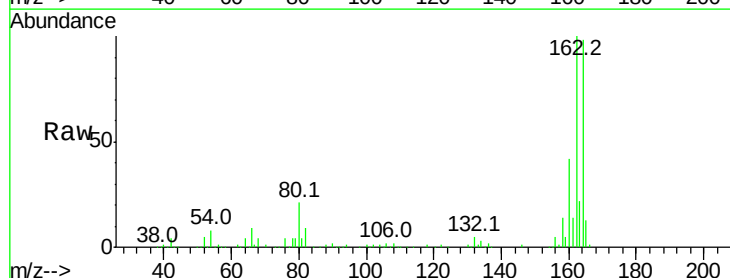
Tgt Ion:165 Resp: 21097

Ion Ratio Lower Upper

165 100

63 1.2 34.3 51.5#

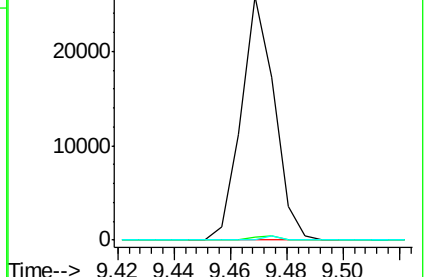
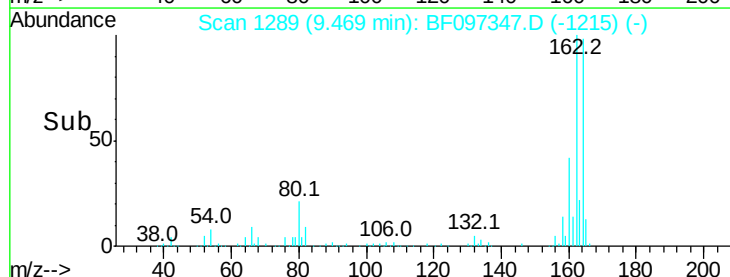
89 0.0 37.1 55.7#

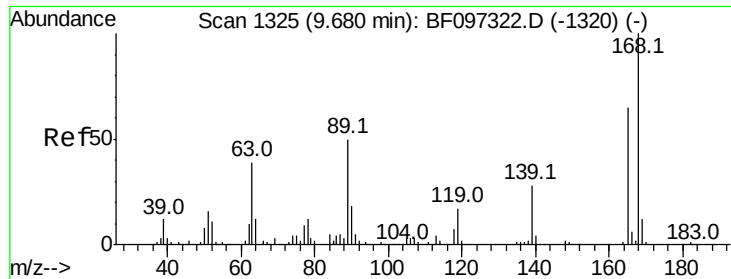


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

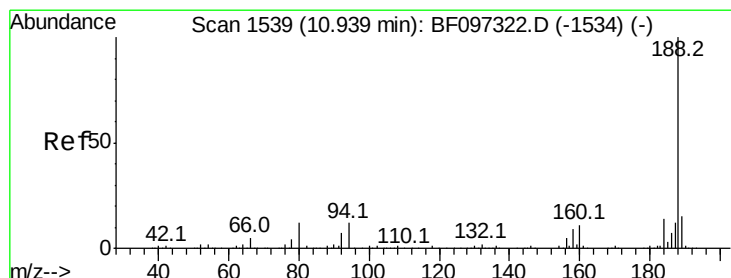
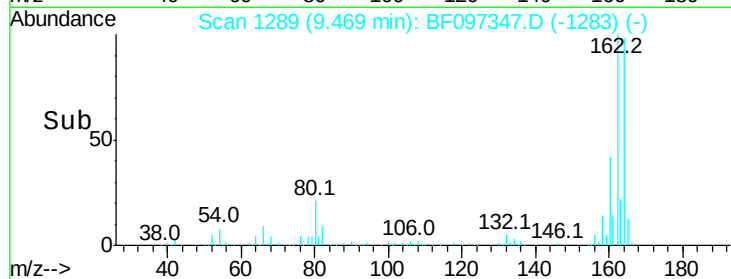
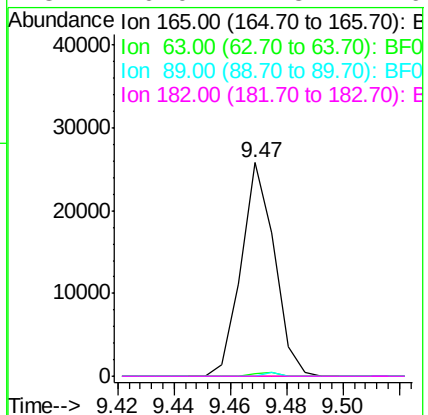
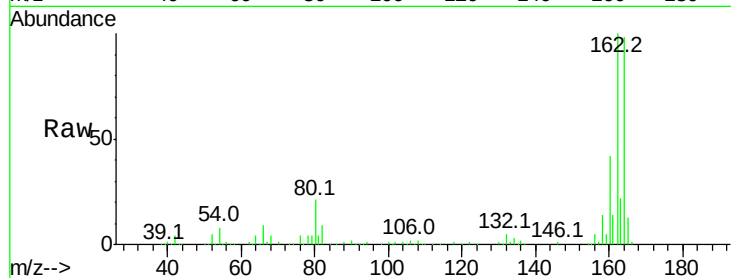




#56
 2,4-Dinitrotoluene
 Concen: 6.902 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.26 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

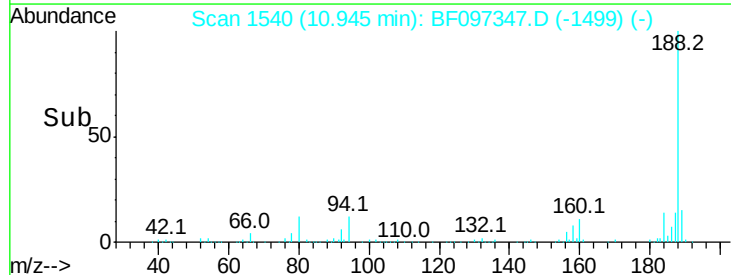
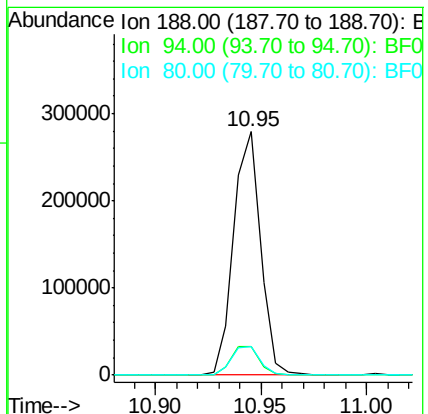
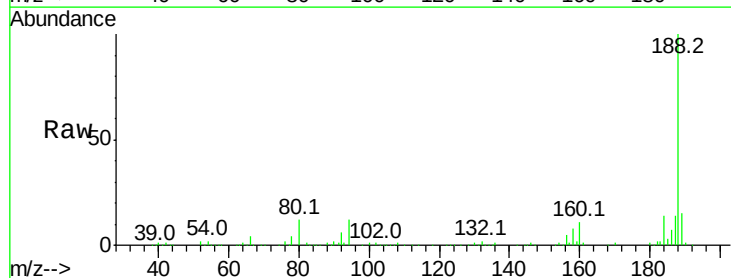
Instrument :
 BNA_F
 ClientSampleId :

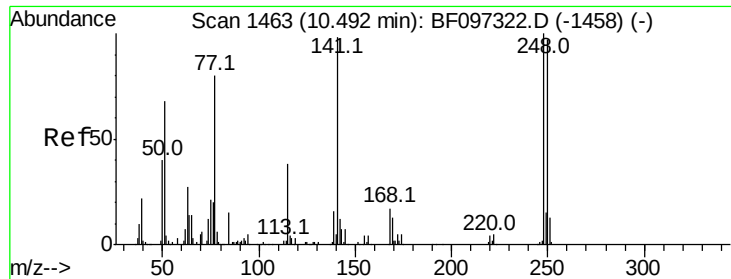
Tot Ion:	165	Resp:	21097
Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.95 min Scan# 1540
 Delta R.T. -0.06 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

Tgt Ion:	188	Resp:	245457
Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.0	10.2	15.2

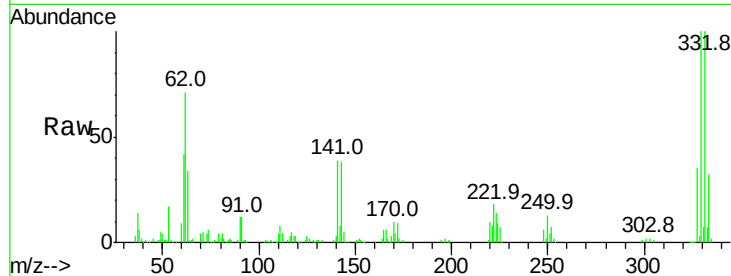




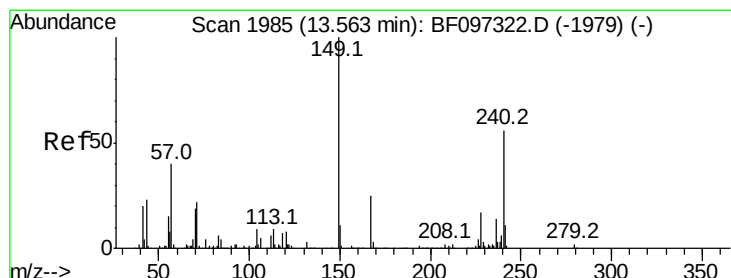
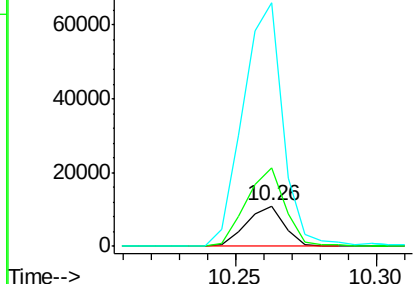
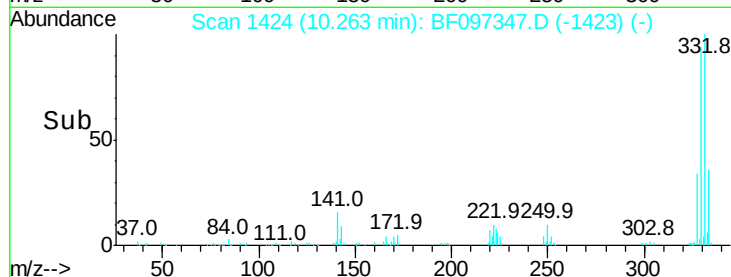
#66
 4-Bromophenyl-phenylether
 Concen: 4.210 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.29 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10312
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.8 115.2#
 141 604.0 68.6 103.0#

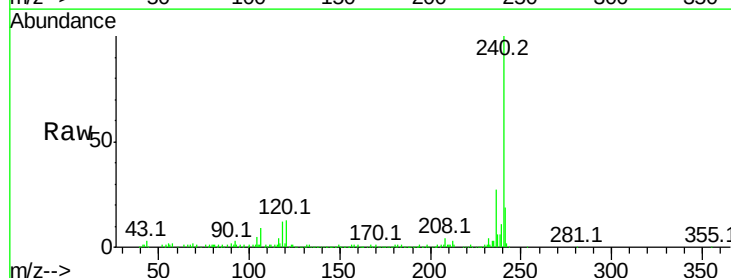


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

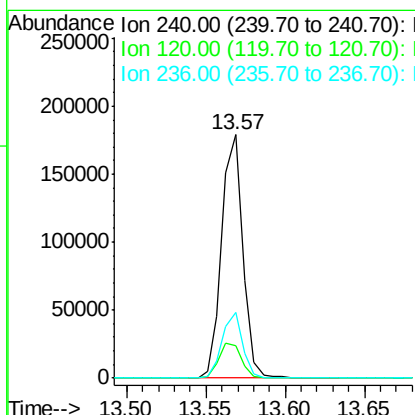
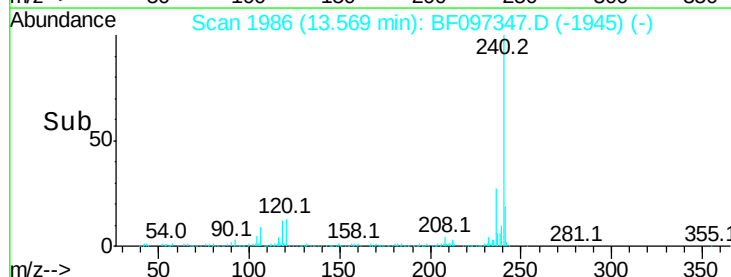


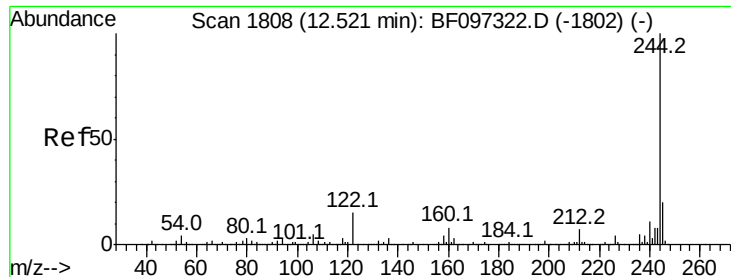
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.57 min Scan# 1986
 Delta R.T. -0.06 min
 Lab File: BF097347.D
 Acq: 4 Aug 2017 5:28

Tgt Ion:240 Resp: 166439
 Ion Ratio Lower Upper
 240 100
 120 13.3 5.8 8.8#
 236 26.8 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





#78

Terphenyl-d14

Concen: 73.404 ng

RT: 12.53 min Scan# 1809

Delta R.T. -0.06 min

Lab File: BF097347.D

Acq: 4 Aug 2017 5:28

Instrument :

BNA_F

ClientSampleId :

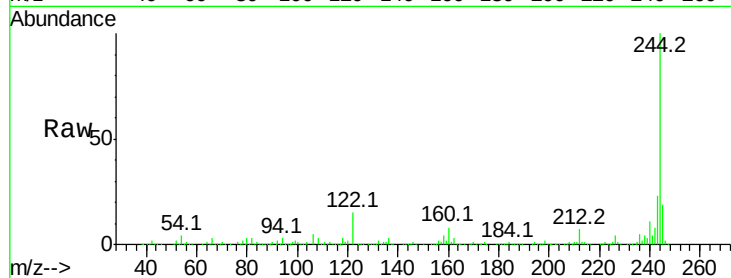
Tot Ion:244 Resp: 599220

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

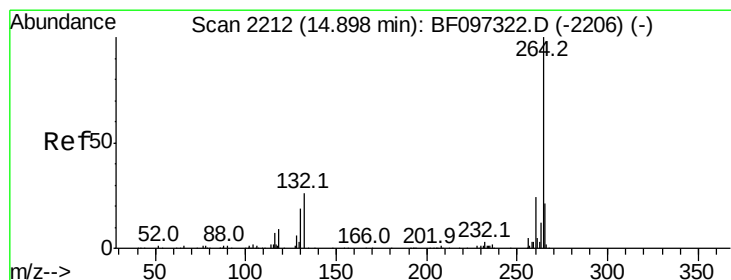
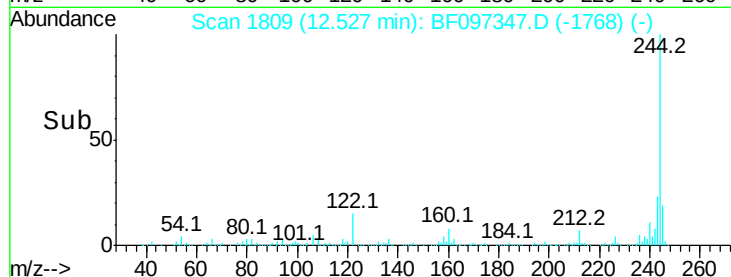
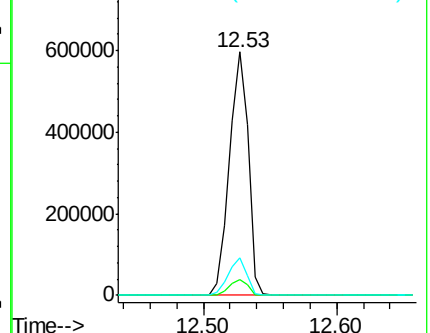
122 15.3 10.3 15.5



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: 14.91 min Scan# 2214

Delta R.T. -0.06 min

Lab File: BF097347.D

Acq: 4 Aug 2017 5:28

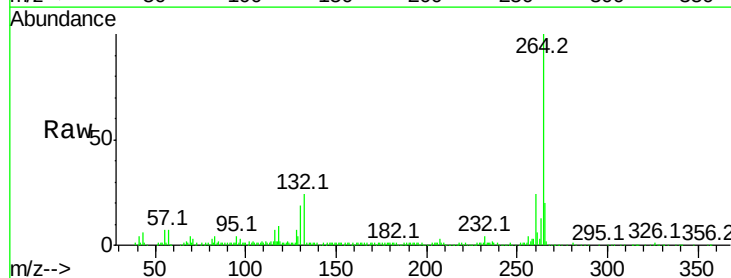
Tgt Ion:264 Resp: 138147

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 20.2 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

