

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097495.D
 Acq On : 9 Aug 2017 3:43
 Operator : SJ/JU
 Sample : I4604-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 04:50:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

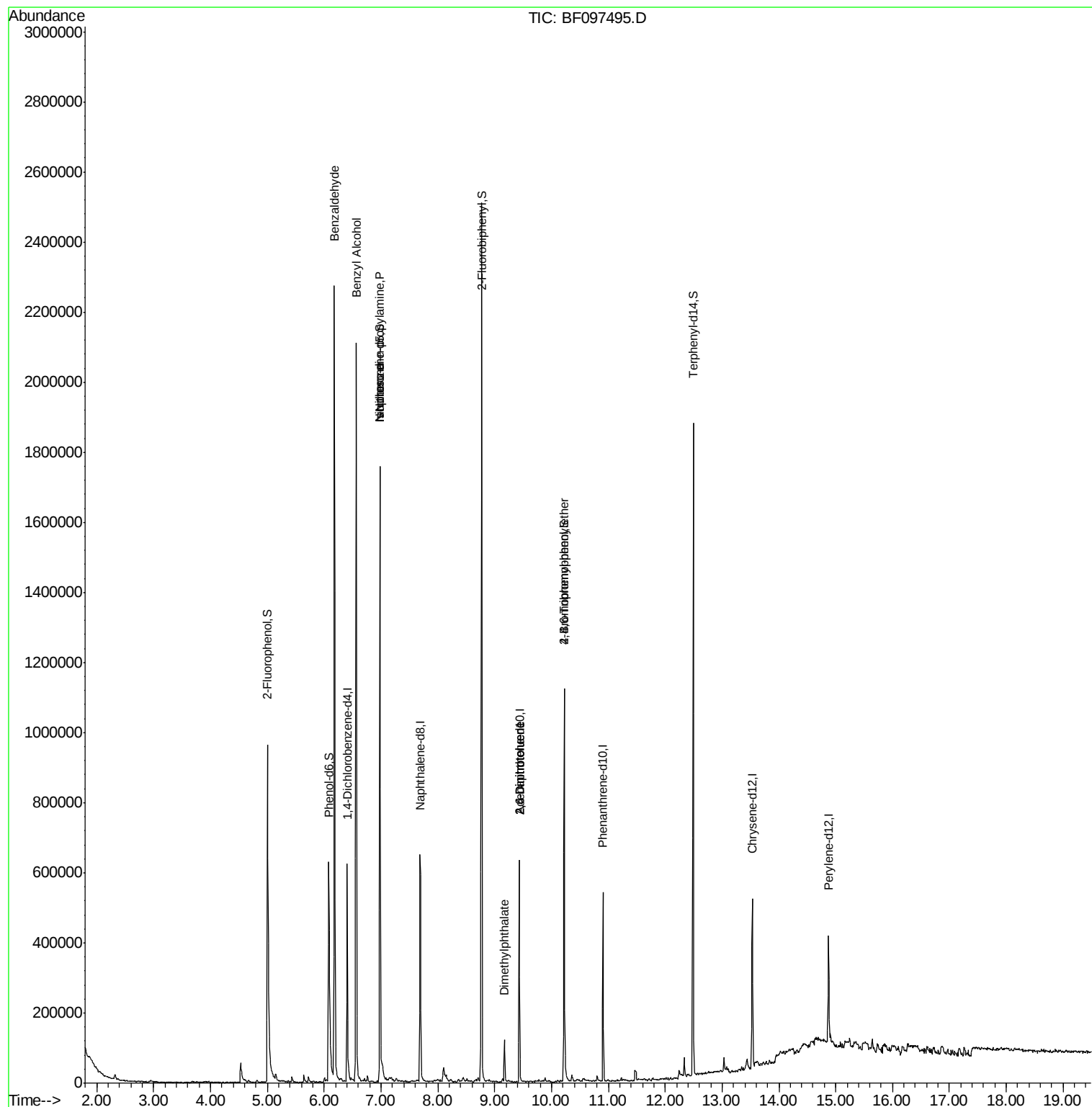
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	92341	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	319945	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	121829	20.00	ng	0.00
63) Phenanthrene-d10	10.90	188	195371	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	154169	20.00	ng	0.00
86) Perylene-d12	14.87	264	122611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	402399	65.69	ng	0.00
7) Phenol-d6	6.08	99	299279	42.80	ng	0.00
23) Nitrobenzene-d5	6.98	82	551608	101.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	124573	129.42	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	808182	112.58	ng	0.00
78) Terphenyl-d14	12.49	244	581439	76.89	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.18	77	12990	3.14	ng	# 78
15) Benzyl Alcohol	6.56	79	9427	2.13	ng	# 31
19) n-Nitroso-di-n-propylamine	6.98	70	71353	15.50	ng	# 86
25) Isophorone	6.98	82	551603	51.64	ng	# 67
49) Dimethylphthalate	9.17	163	45248	4.89	ng	99
50) 2,6-Dinitrotoluene	9.43	165	15475	7.89	ng	# 34
56) 2,4-Dinitrotoluene	9.43	165	15475	6.86	ng	# 34
66) 4-Bromophenyl-phenylether	10.22	248	7768	3.98	ng	# 1

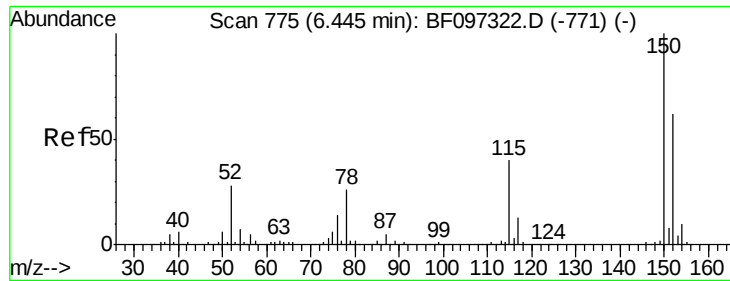
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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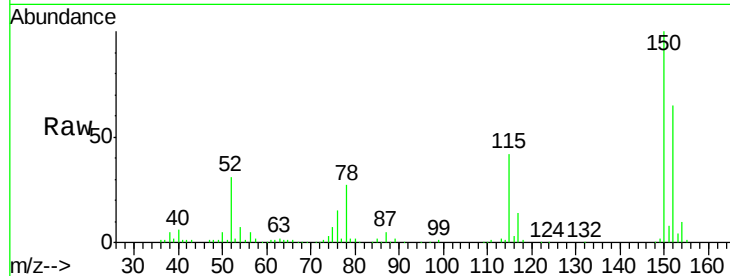


#1

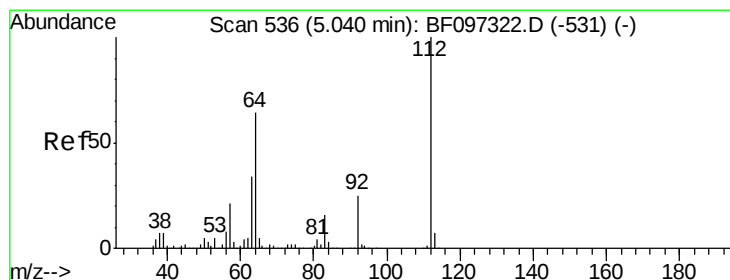
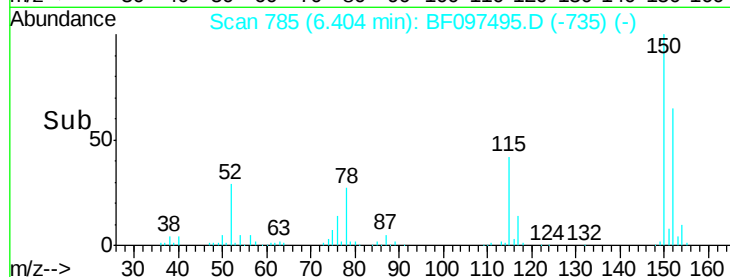
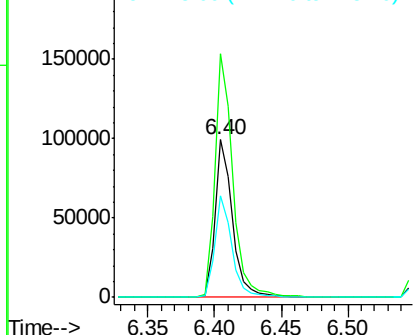
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097495.D
Acq: 9 Aug 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 92341
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 64.7 52.2 78.2



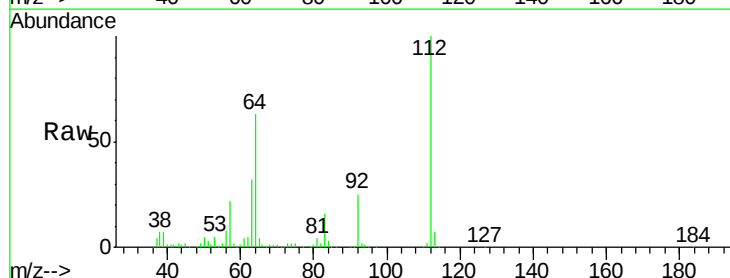
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



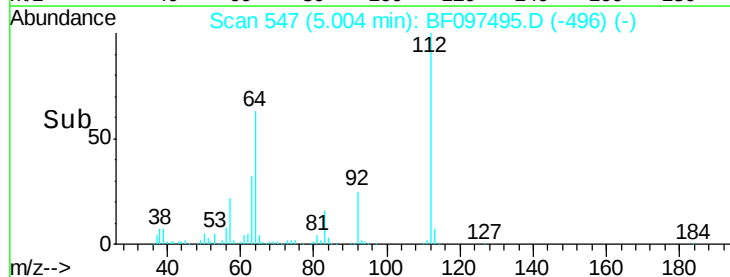
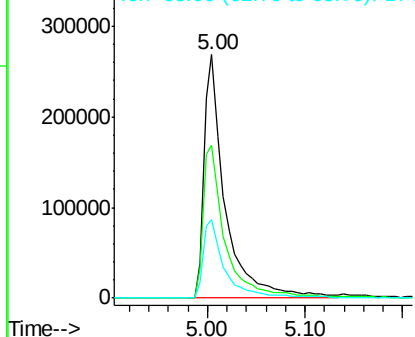
#5

2-Fluorophenol
Concen: 65.69 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097495.D
Acq: 9 Aug 2017 3:43

Tgt Ion:112 Resp: 402399
Ion Ratio Lower Upper
112 100
64 62.8 46.0 69.0
63 32.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.80 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

Instrument :

BNA_F

ClientSampled :

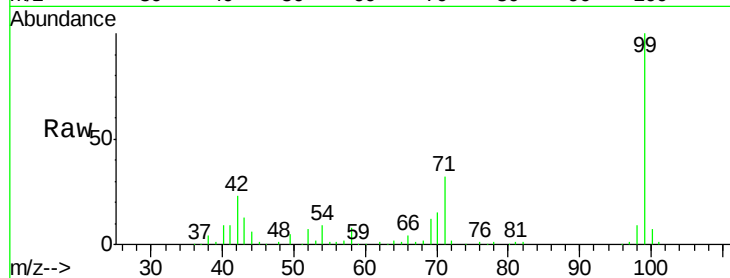
Tot Ion: 99 Resp: 299279

Ion Ratio Lower Upper

99 100

42 23.5 13.5 20.3#

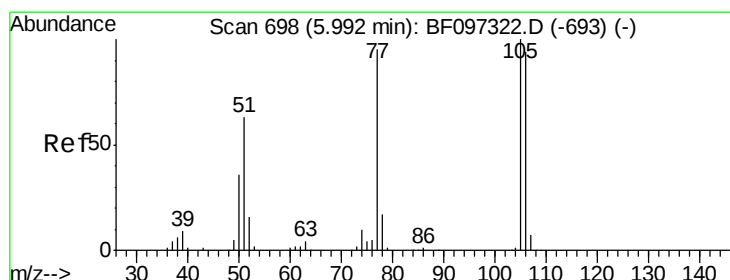
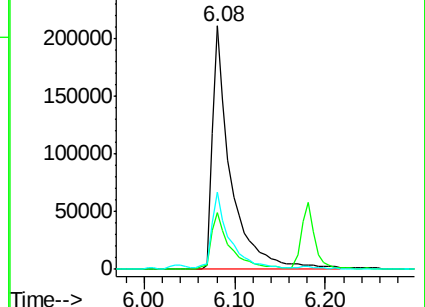
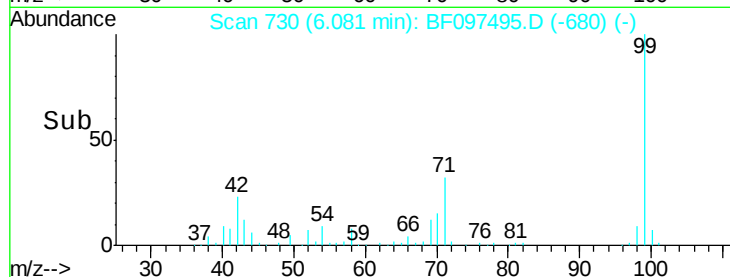
71 31.8 24.5 36.7



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: 3.14 ng

RT: 6.18 min Scan# 747

Delta R.T. 0.22 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

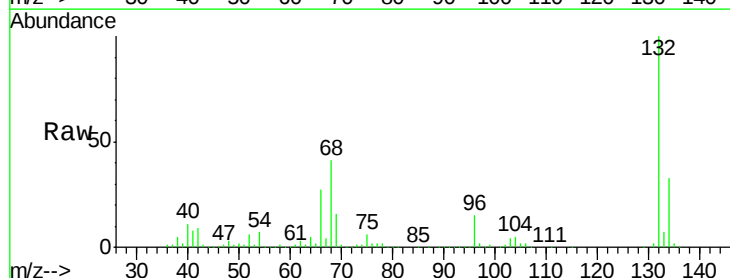
Tgt Ion: 77 Resp: 12990

Ion Ratio Lower Upper

77 100

105 81.9 83.8 123.8#

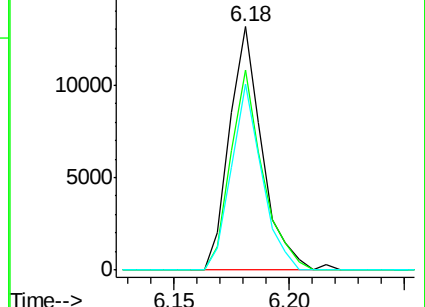
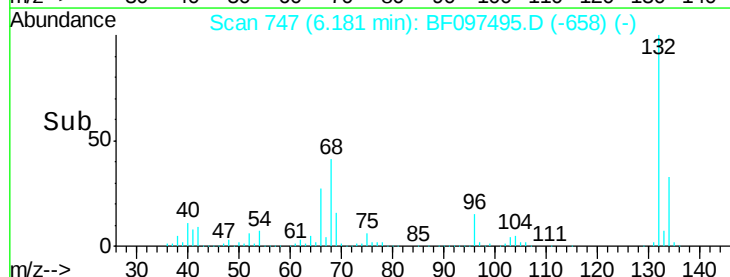
106 76.5 79.1 119.1#

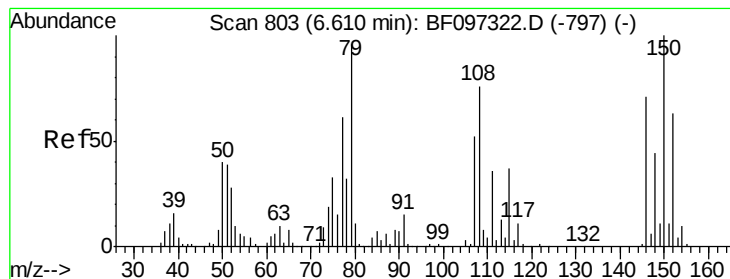


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.56 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

Instrument :

BNA_F

ClientSampleId :

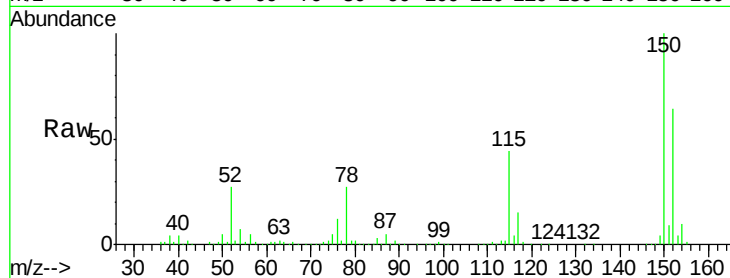
Tot Ion: 79 Resp: 9427

Ion Ratio Lower Upper

79 100

108 25.1 63.4 95.0#

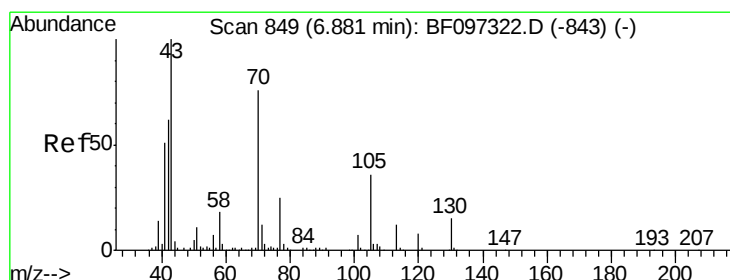
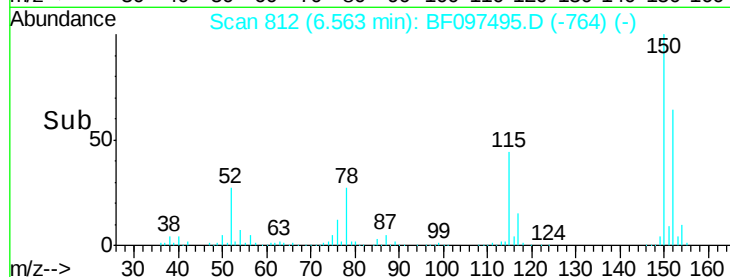
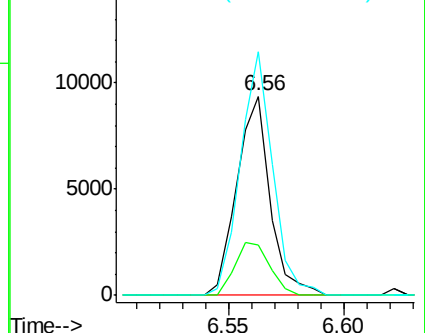
77 122.3 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 15.50 ng

RT: 6.98 min Scan# 883

Delta R.T. 0.13 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

Tgt Ion: 70 Resp: 71353

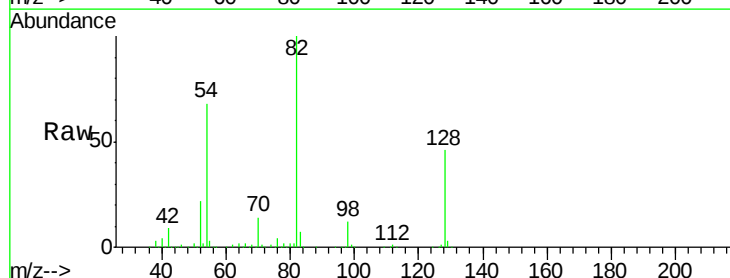
Ion Ratio Lower Upper

70 100

42 62.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

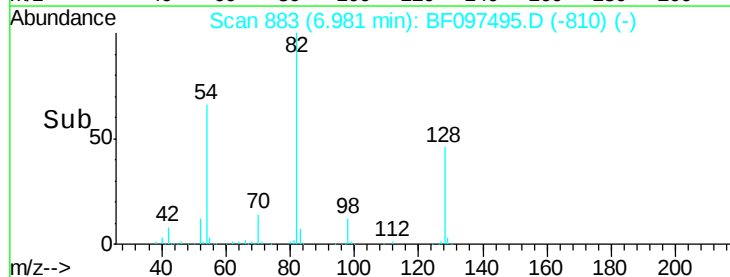
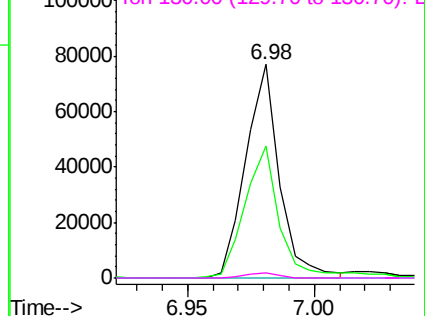


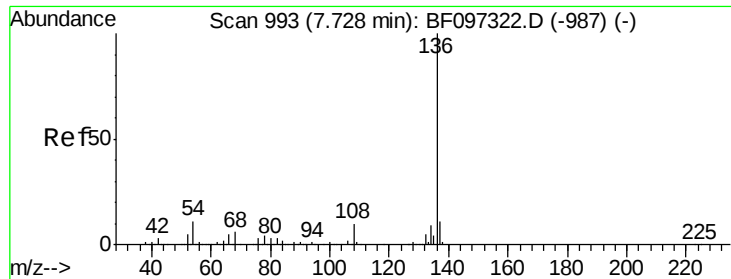
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 319945

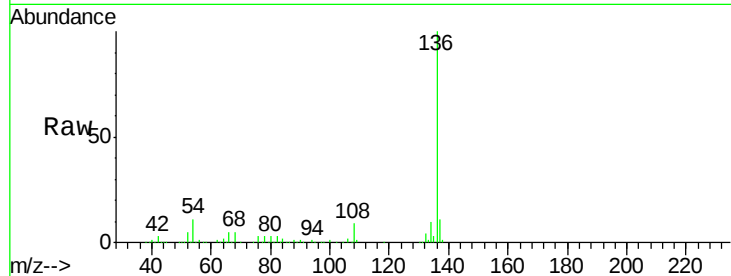
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.5 4.9 7.3#

68 5.5 4.1 6.1

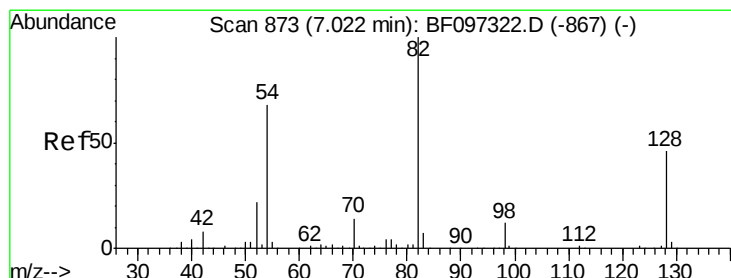
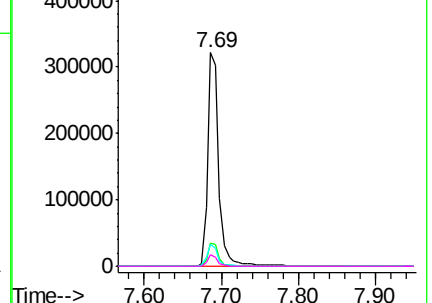
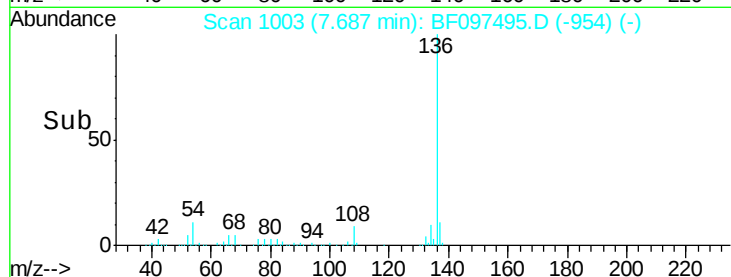


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.14 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

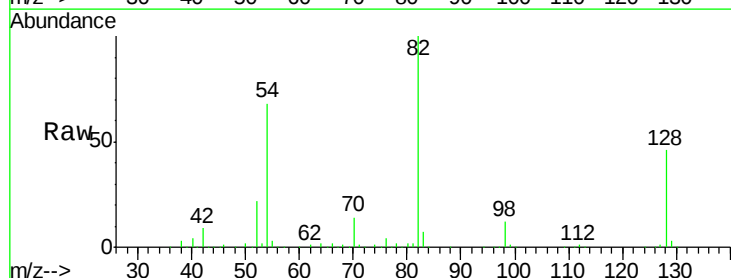
Tgt Ion: 82 Resp: 551608

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

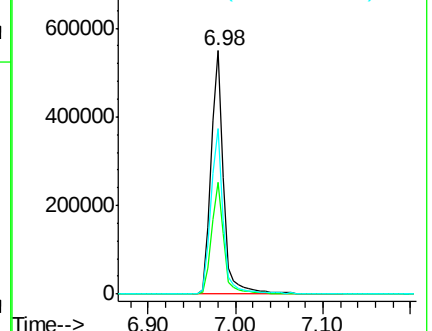
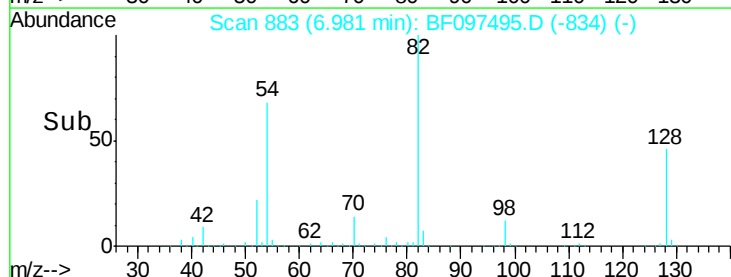
54 68.2 42.2 63.2#

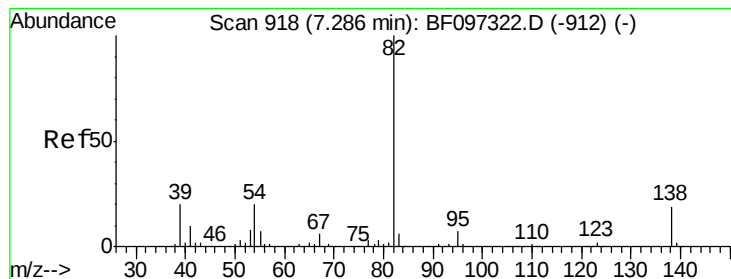


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 51.64 ng

RT: 6.98 min Scan# 883

Delta R.T. -0.27 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

Instrument :

BNA_F

ClientSampleId :

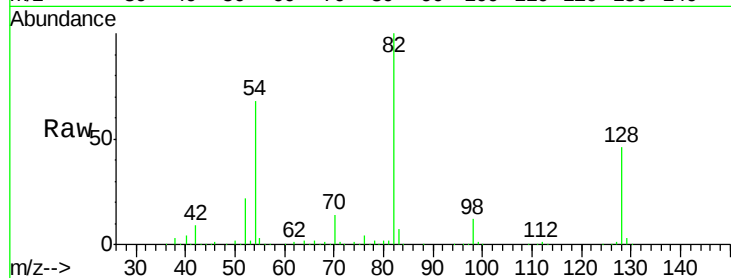
Tot Ion: 82 Resp: 551603

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E

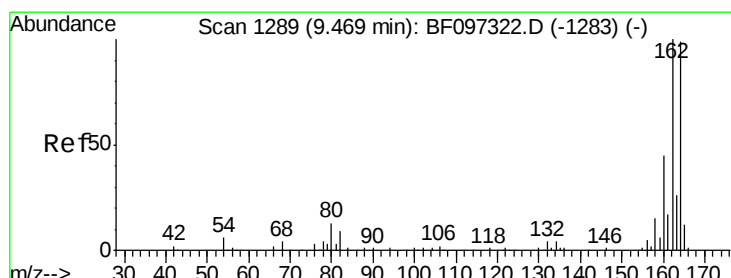
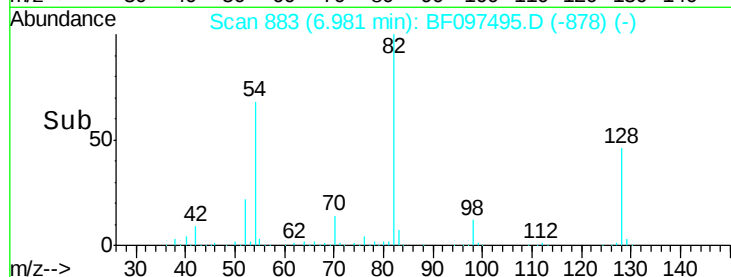
6.98

400000

200000

0

Time--> 6.90 7.00 7.10



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.43 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF097495.D

Acq: 9 Aug 2017 3:43

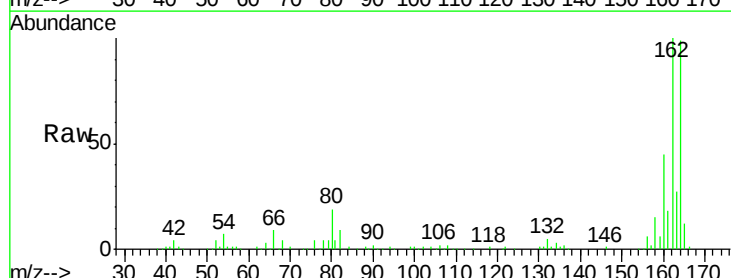
Tgt Ion: 164 Resp: 121829

Ion Ratio Lower Upper

164 100

162 100.6 82.6 123.8

160 44.9 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

9.43

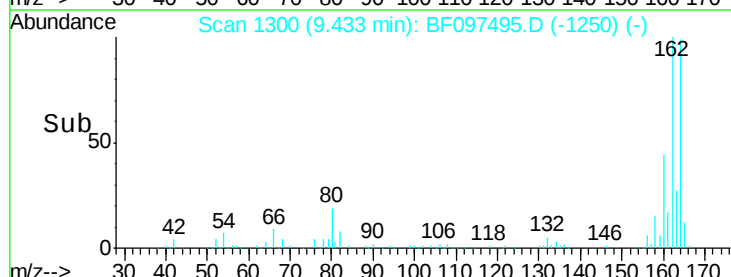
150000

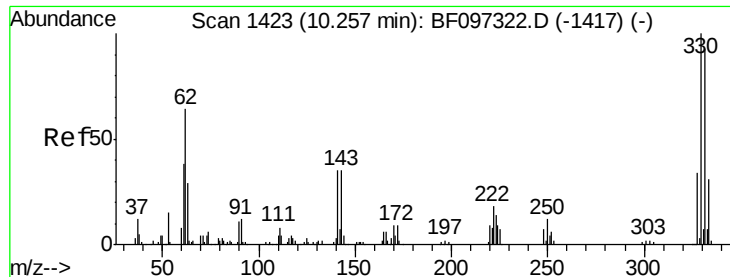
100000

50000

0

Time--> 9.40 9.45 9.50

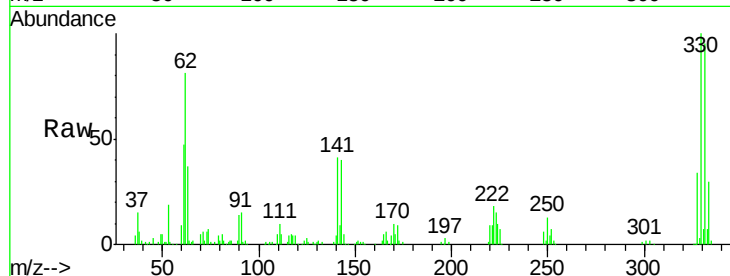




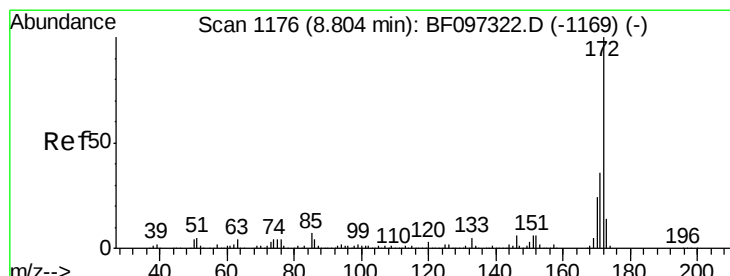
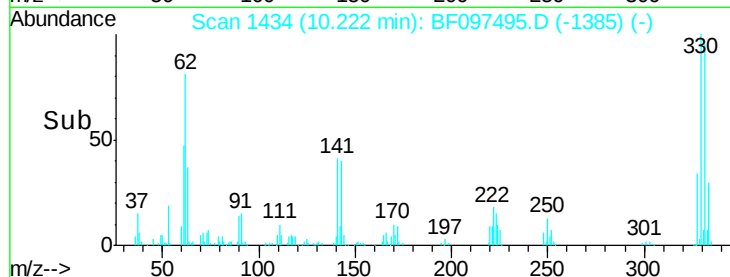
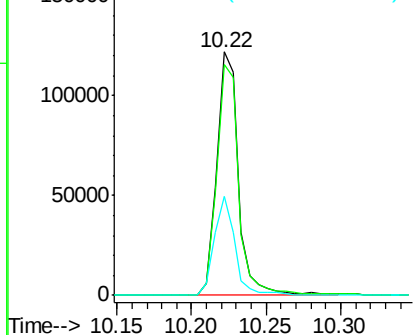
#41
 2,4,6-Tribromophenol
 Concen: 129.42 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 124573
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 38.8 31.4 47.2

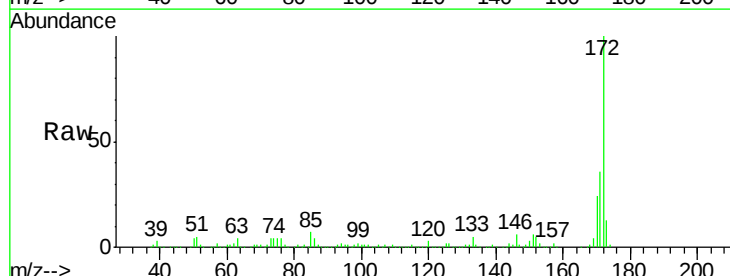


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

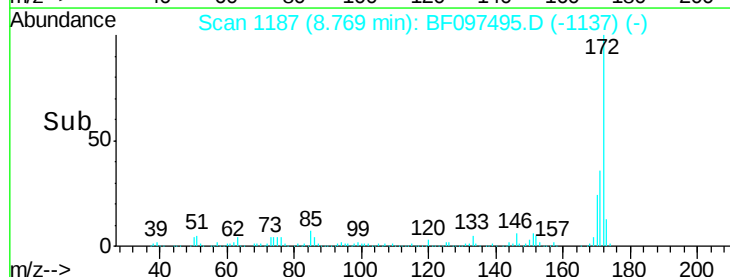
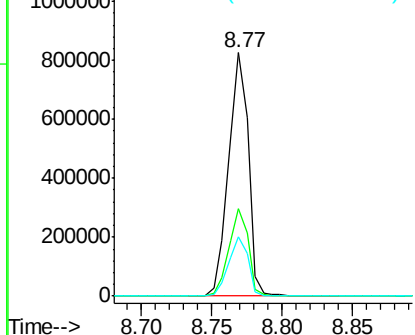


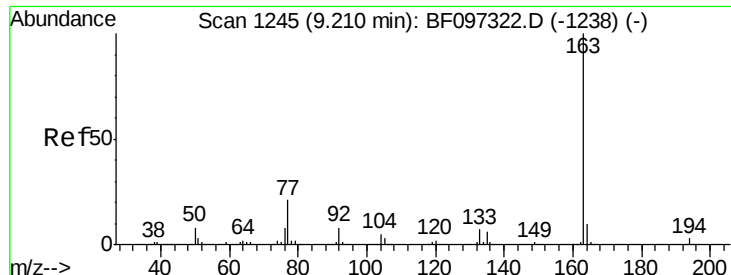
#44
 2-Fluorobiphenyl
 Concen: 112.58 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Tgt Ion:172 Resp: 808182
 Ion Ratio Lower Upper
 172 100
 171 36.1 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

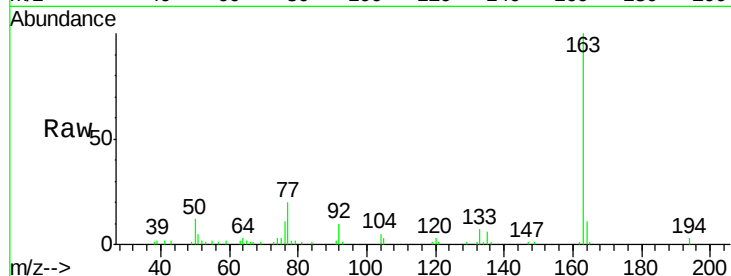




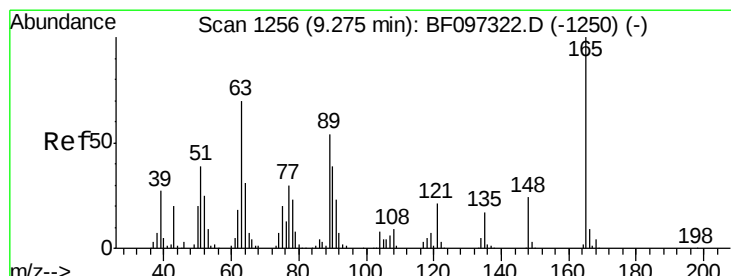
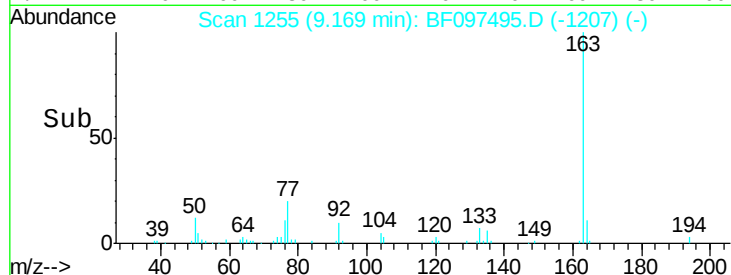
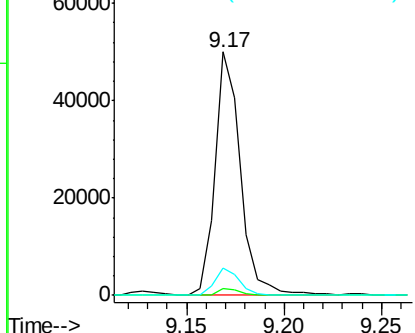
#49
Dimethylphthalate
Concen: 4.89 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097495.D
Acq: 9 Aug 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	11.0	8.4	12.6

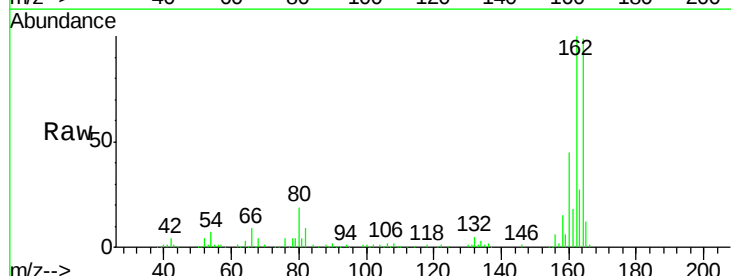


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

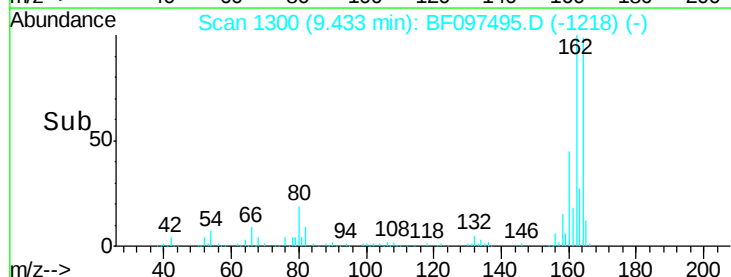
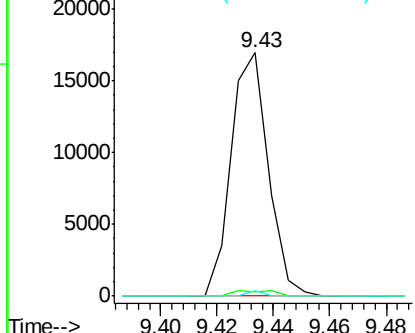


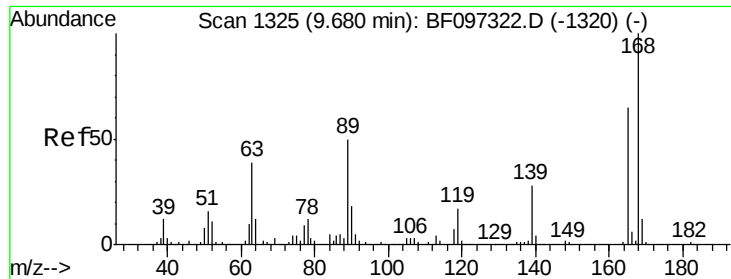
#50
2,6-Dinitrotoluene
Concen: 7.89 ng
RT: 9.43 min Scan# 1300
Delta R.T. 0.18 min
Lab File: BF097495.D
Acq: 9 Aug 2017 3:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	2.2	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

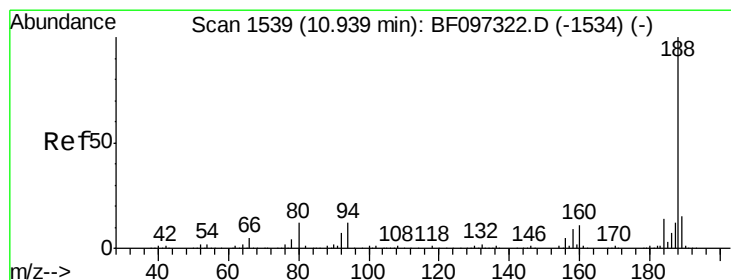
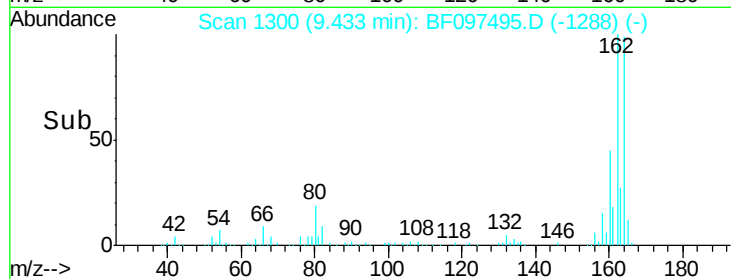
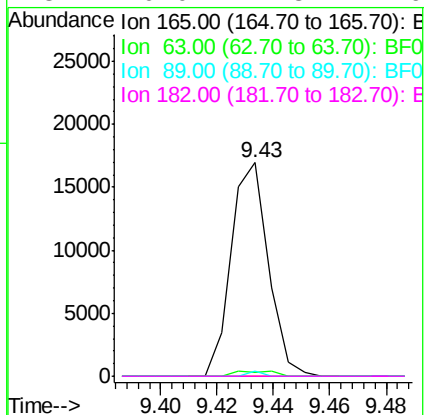
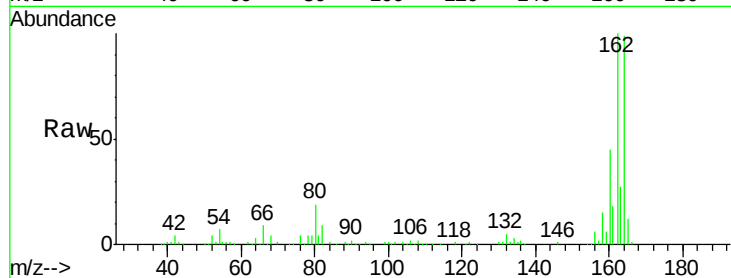




#56
 2,4-Dinitrotoluene
 Concen: 6.86 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.23 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

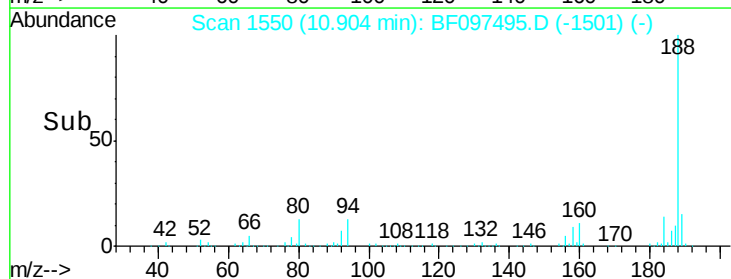
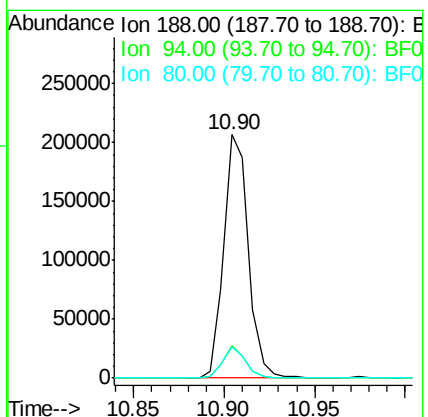
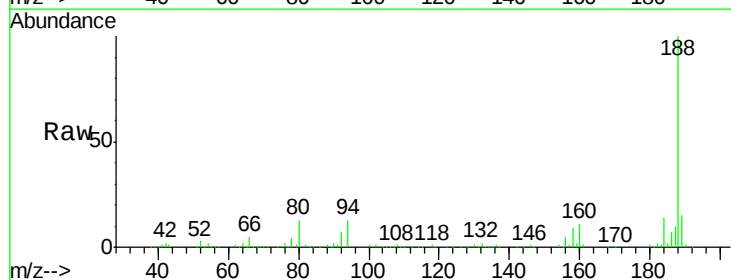
Instrument :
 BNA_F
 ClientSampleId :

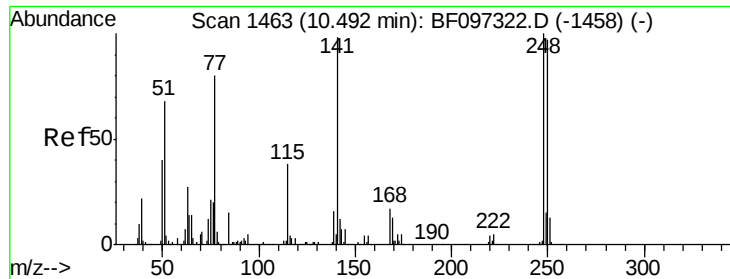
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.90 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.1	9.4	14.2
80	12.8	10.2	15.2

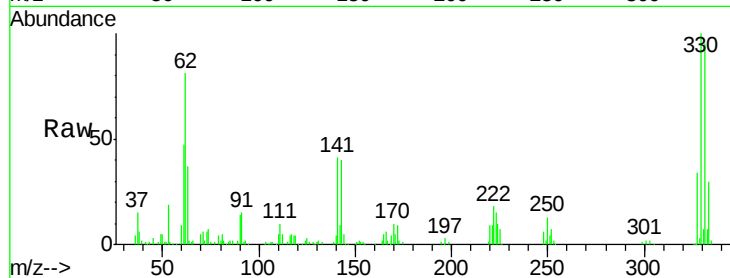




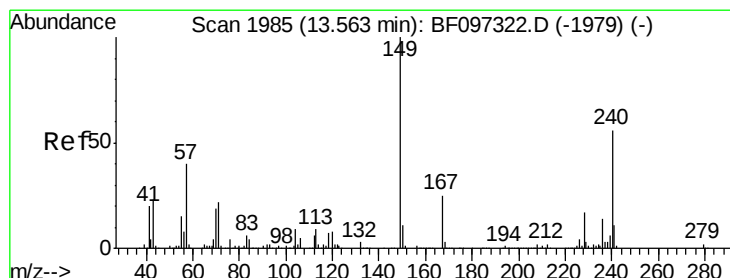
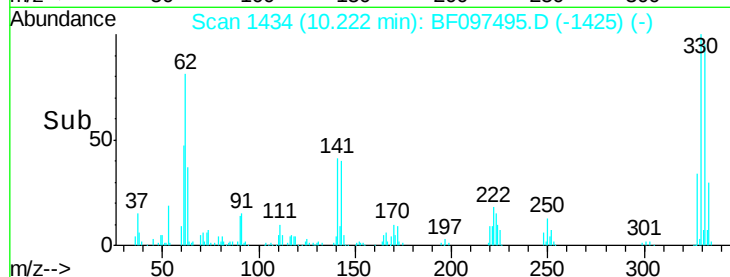
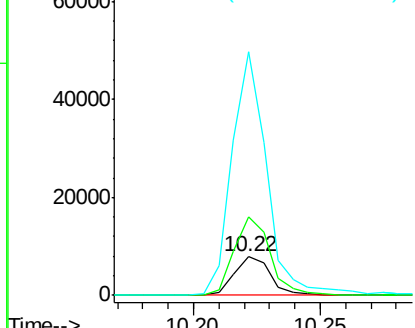
#66
 4-Bromophenyl-phenylether
 Concen: 3.98 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7768
 Ion Ratio Lower Upper
 248 100
 250 205.7 76.8 115.2#
 141 633.2 68.6 103.0#

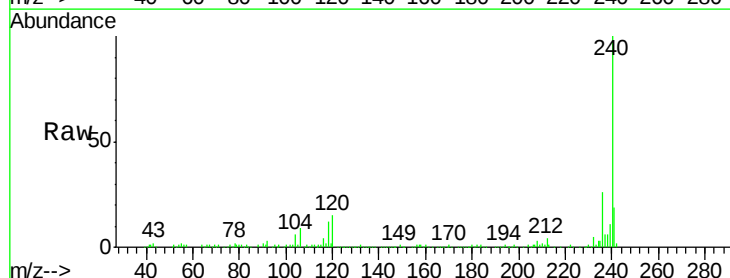


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

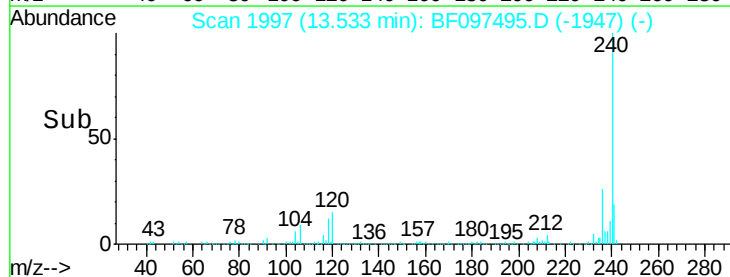
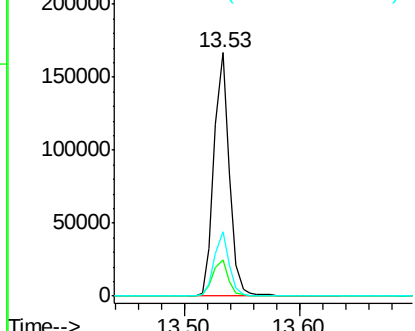


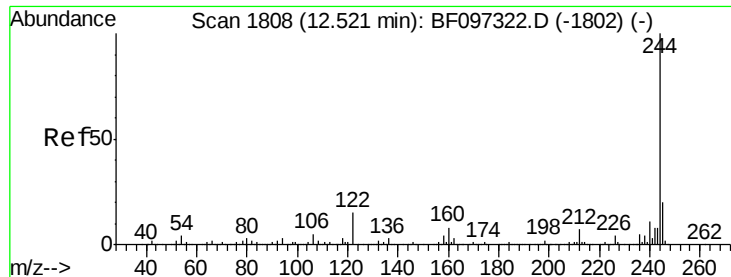
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.53 min Scan# 1997
 Delta R.T. -0.01 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Tgt Ion:240 Resp: 154169
 Ion Ratio Lower Upper
 240 100
 120 14.8 5.8 8.8#
 236 26.3 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

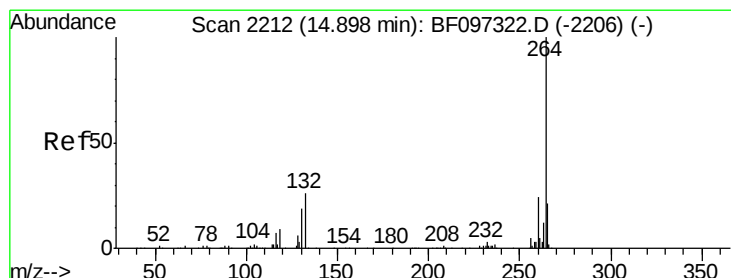
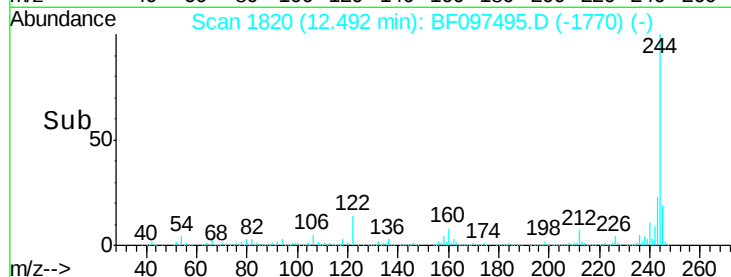
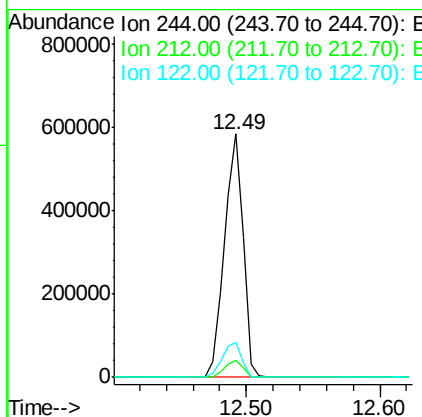
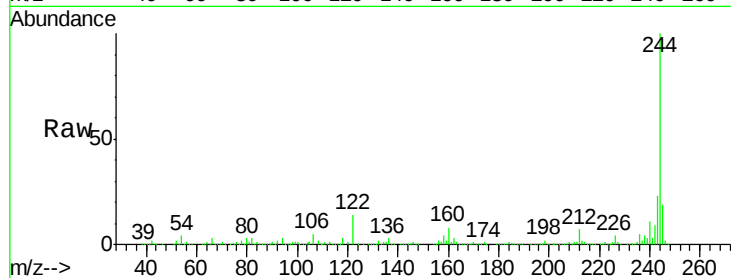




#78
 Terphenyl-d14
 Concen: 76.89 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 581439
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.5 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF097495.D
 Acq: 9 Aug 2017 3:43

Tgt Ion:264 Resp: 122611
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.5 29.3
 265 21.4 17.2 25.8

