

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097473.D
 Acq On : 8 Aug 2017 16:58
 Operator : SJ/JU
 Sample : I4592-02RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451

Quant Time: Aug 08 17:57:32 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

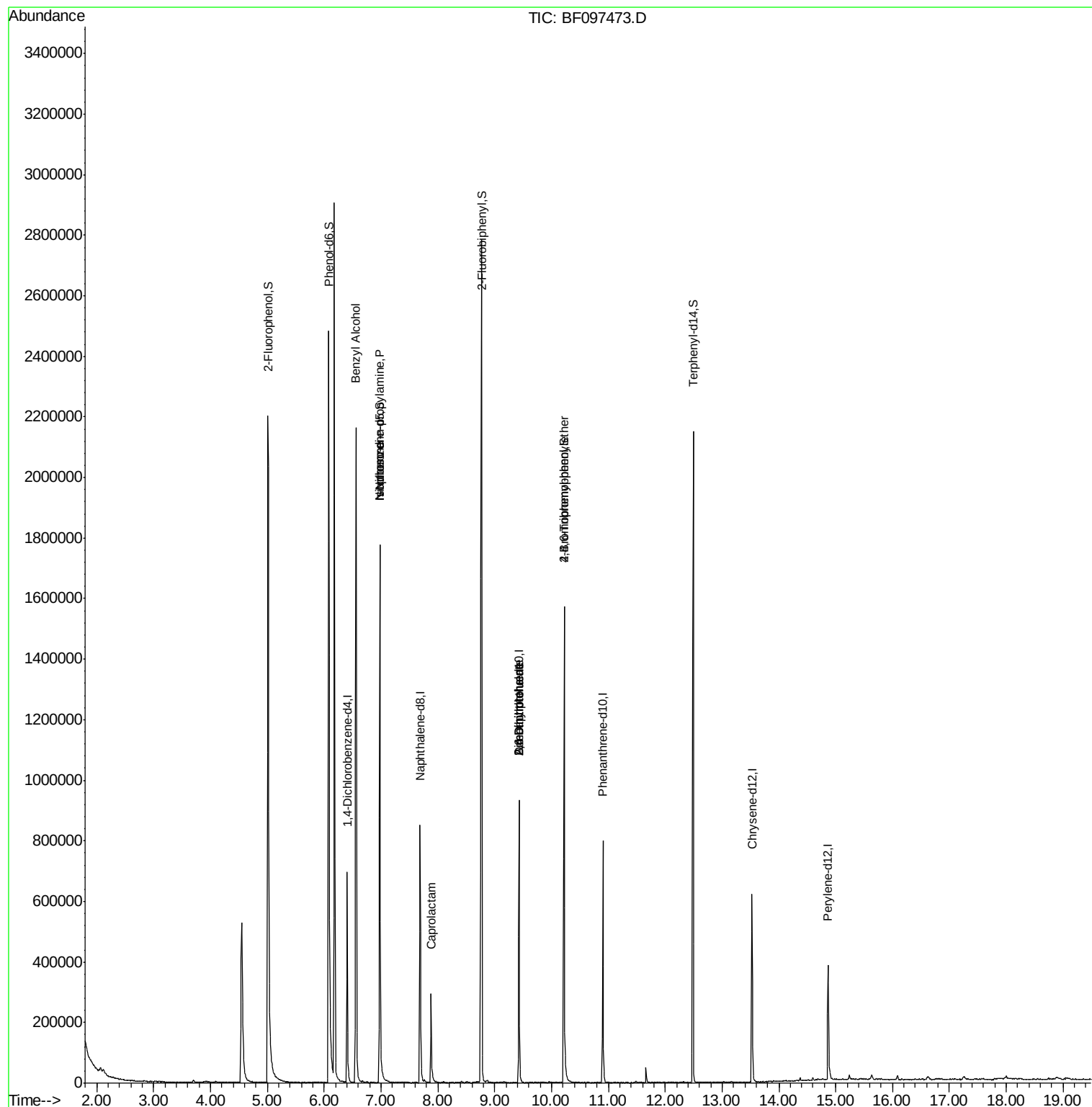
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	102279	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	403318	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	182607	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	295049	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	228674	20.00	ng	-0.01
86) Perylene-d12	14.86	264	164018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.01	112	834824	123.04	ng	0.00
7) Phenol-d6	6.08	99	1006540	129.95	ng	0.00
23) Nitrobenzene-d5	6.98	82	620263	90.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	199121	138.01	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1031063	95.82	ng	0.00
78) Terphenyl-d14	12.49	244	779198	69.47	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.56	79	10237	2.088	ng	# 45
19) n-Nitroso-di-n-propylamine	6.98	70	83408	16.360	ng	# 87
25) Isophorone	6.98	82	620319	46.073	ng	# 67
35) Caprolactam	7.88	113	5252	2.975	ng	# 1
49) Dimethylphthalate	9.43	163	52872	3.813	ng	# 1
50) 2,6-Dinitrotoluene	9.43	165	22722	7.726	ng	# 33
56) 2,4-Dinitrotoluene	9.43	165	22722	6.720	ng	# 32
66) 4-Bromophenyl-phenylether	10.22	248	12226	4.152	ng	# 1

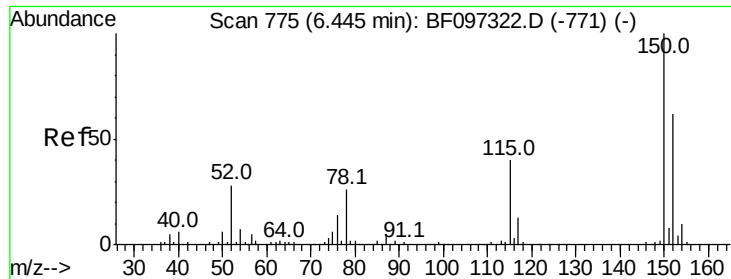
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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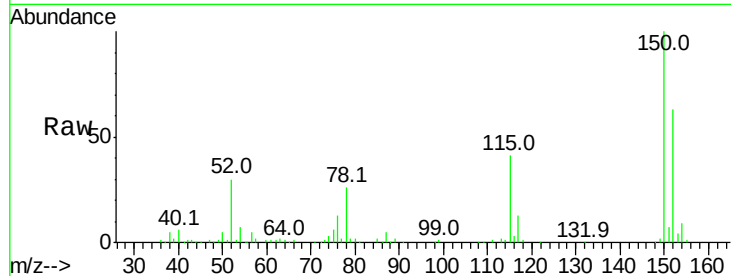


#1

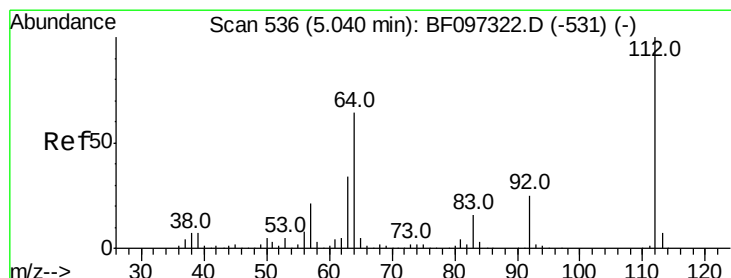
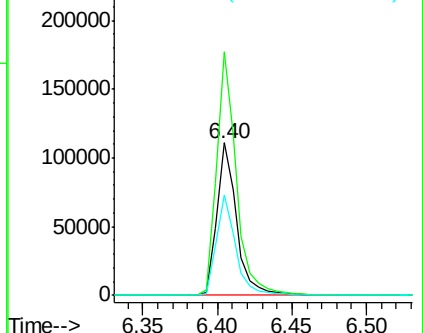
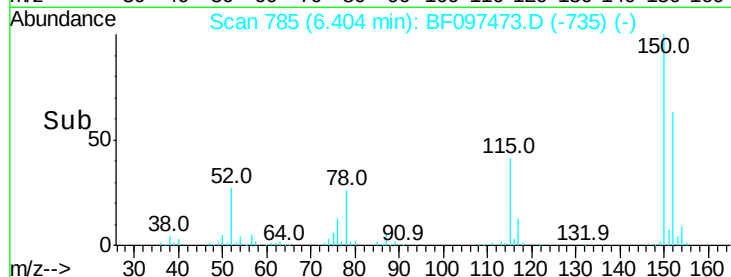
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097473.D
Acq: 8 Aug 2017 16:58

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451

Tot Ion:152 Resp: 102279
Ion Ratio Lower Upper
152 100
150 159.6 126.2 189.2
115 65.8 52.2 78.2



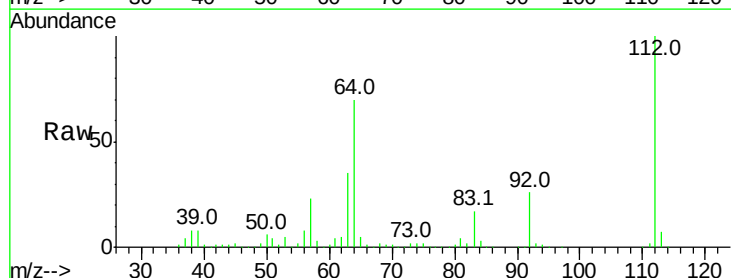
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



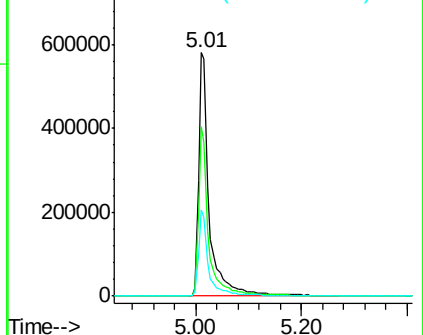
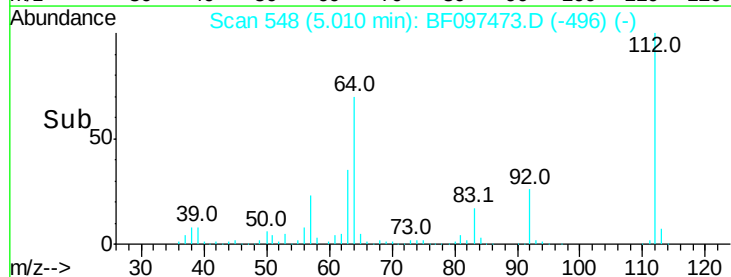
#5

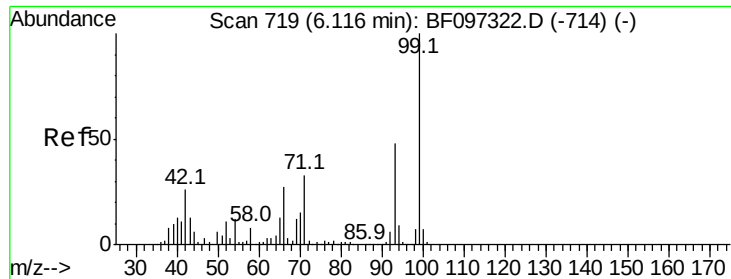
2-Fluorophenol
Concen: 123.045 ng
RT: 5.01 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF097473.D
Acq: 8 Aug 2017 16:58

Tgt Ion:112 Resp: 834824
Ion Ratio Lower Upper
112 100
64 69.6 46.0 69.0#
63 35.5 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: 129.950 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097473.D

Acq: 8 Aug 2017 16:58

Instrument :

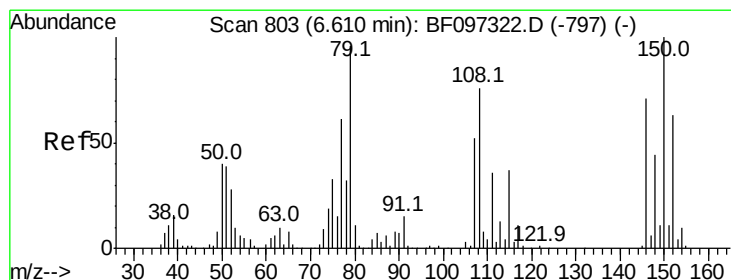
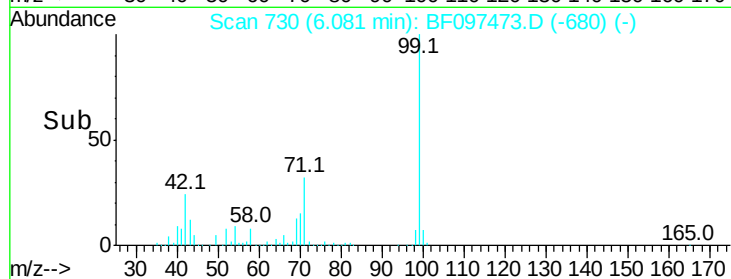
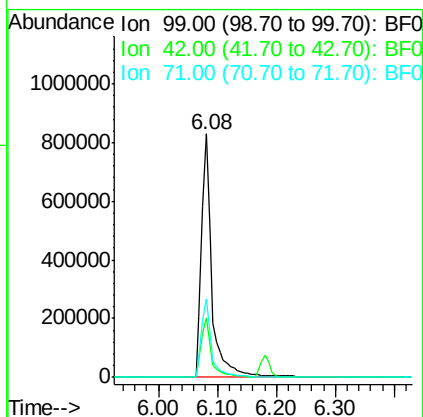
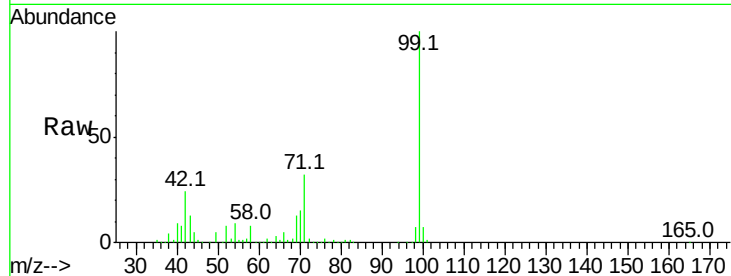
BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451

Tot Ion: 99 Resp: 1006540

Ion	Ratio	Lower	Upper
99	100		
42	24.1	13.5	20.3#
71	32.2	24.5	36.7



#15

Benzyl Alcohol

Concen: 2.088 ng

RT: 6.56 min Scan# 811

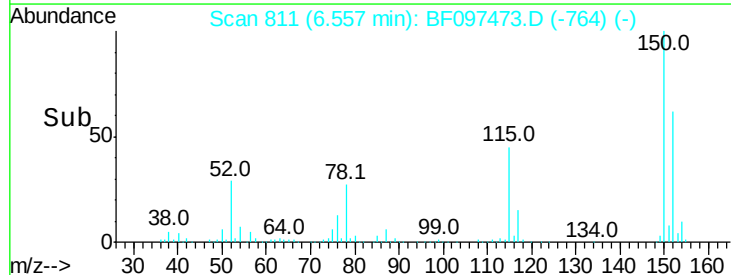
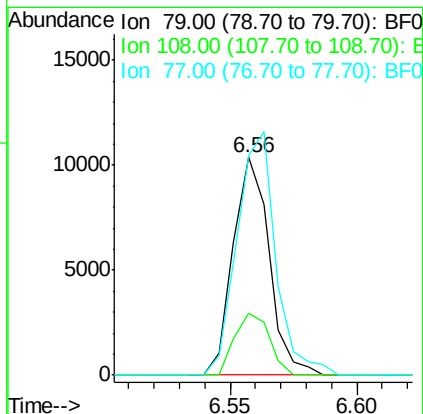
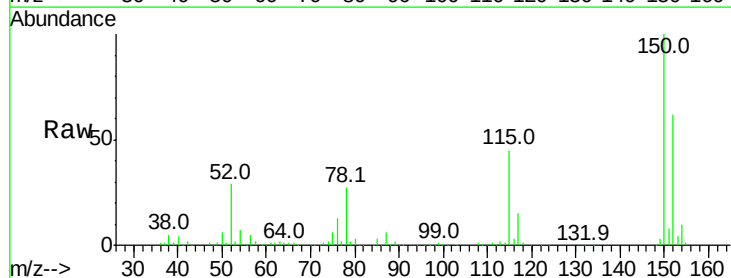
Delta R.T. -0.02 min

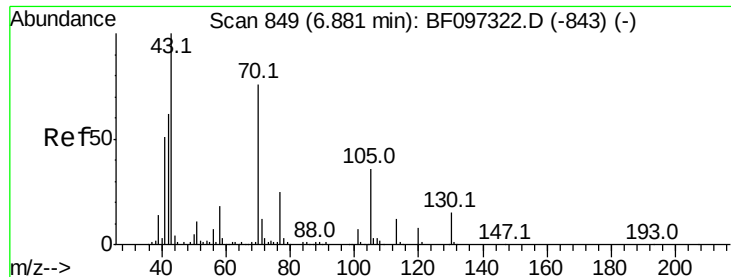
Lab File: BF097473.D

Acq: 8 Aug 2017 16:58

Tgt Ion: 79 Resp: 10237

Ion	Ratio	Lower	Upper
79	100		
108	28.4	63.4	95.0#
77	100.5	49.2	73.8#

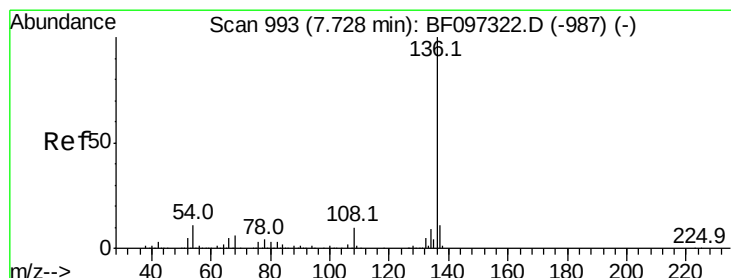
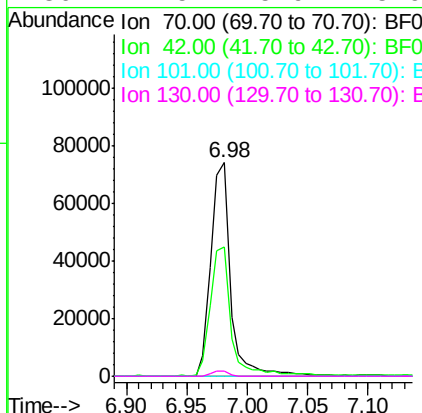
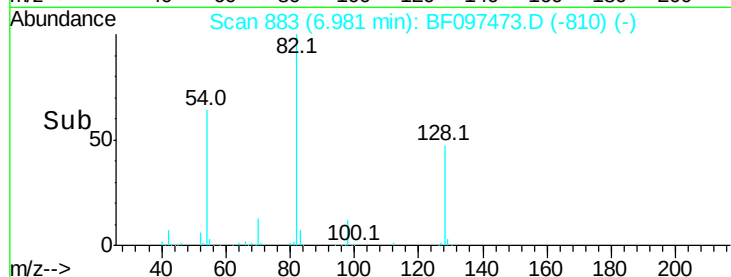
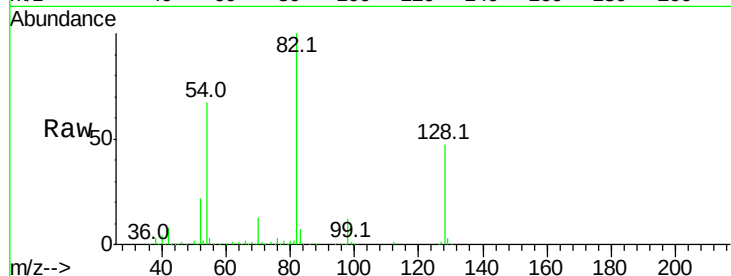




#19
n-Nitroso-di-n-propylamine
Concen: 16.360 ng
RT: 6.98 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF097473.D
Acq: 8 Aug 2017 16:58

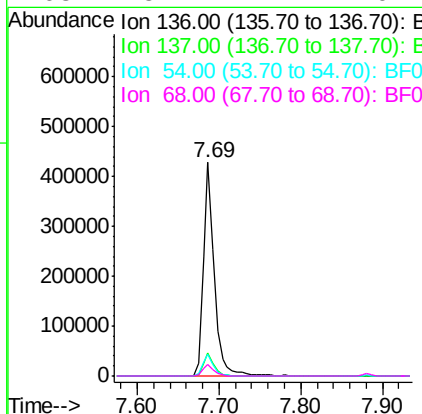
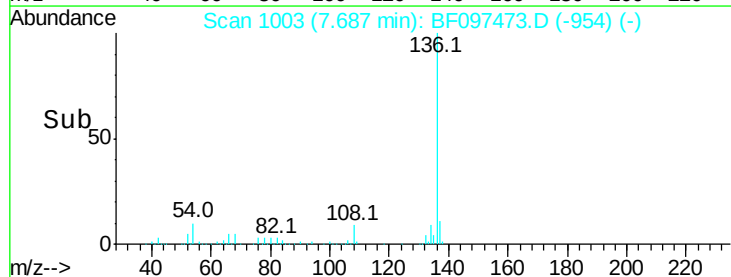
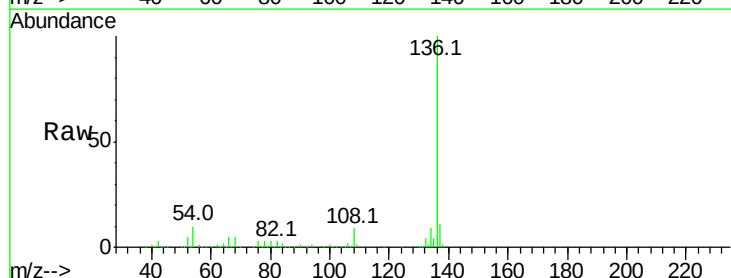
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451

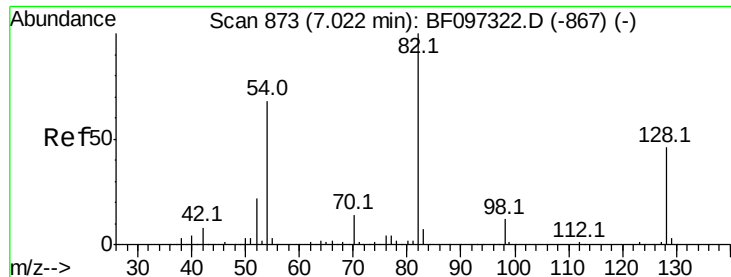
Tot Ion: 70 Resp: 83408
Ion Ratio Lower Upper
70 100
42 60.6 47.2 70.8
101 0.0 7.2 10.8#
130 2.5 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097473.D
Acq: 8 Aug 2017 16:58

Tgt Ion:136 Resp: 403318
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.0 4.9 7.3#
68 5.4 4.1 6.1

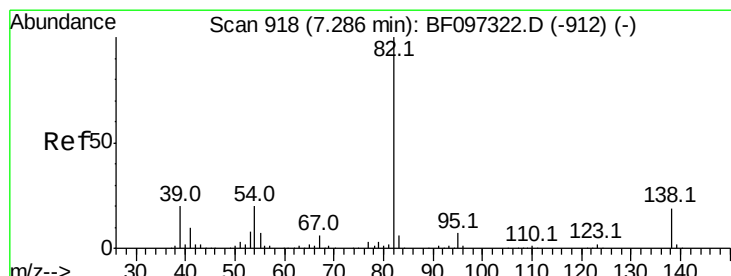
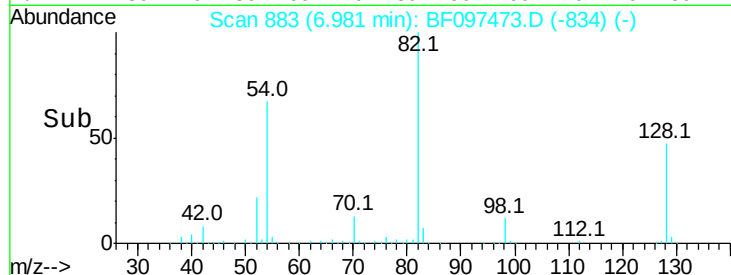
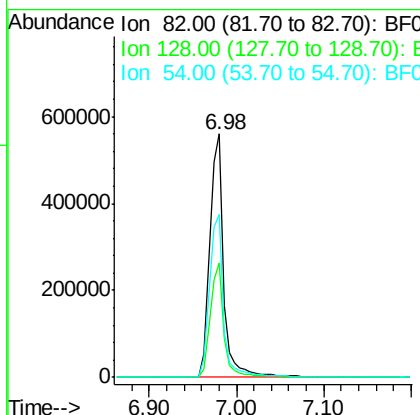
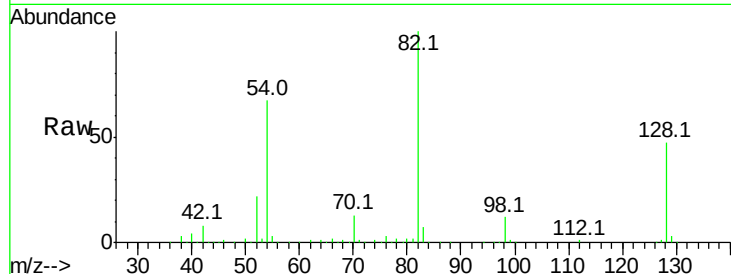




#23
 Nitrobenzene-d5
 Concen: 90.219 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

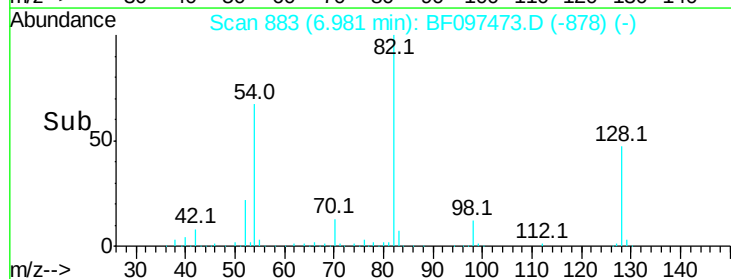
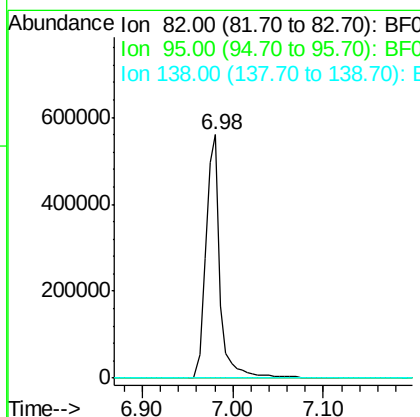
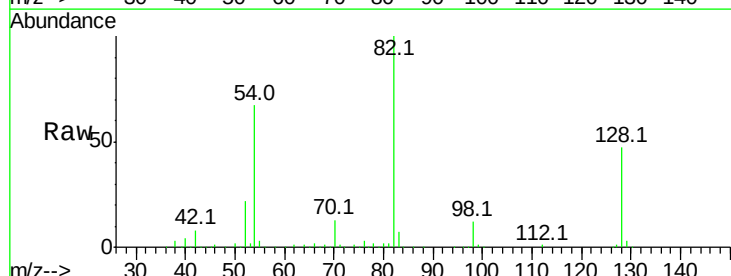
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451

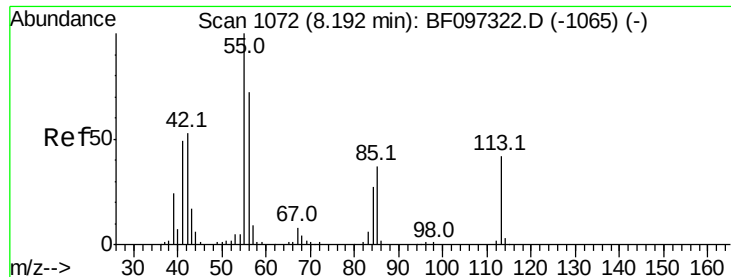
Tot Ion: 82 Resp: 620263
 Ion Ratio Lower Upper
 82 100
 128 46.8 34.0 51.0
 54 67.2 42.2 63.2#



#25
 Isophorone
 Concen: 46.073 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.27 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

Tgt Ion: 82 Resp: 620319
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#35

Caprolactam

Concen: 2.975 ng

RT: 7.88 min Scan# 1036

Delta R.T. -0.29 min

Lab File: BF097473.D

Acq: 8 Aug 2017 16:58

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451

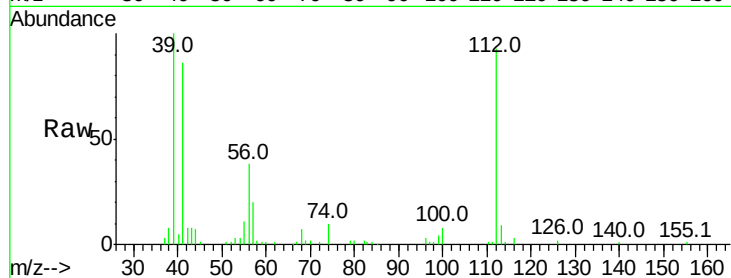
Tot Ion:113 Resp: 5252

Ion Ratio Lower Upper

113 100

55 121.7 150.2 190.2#

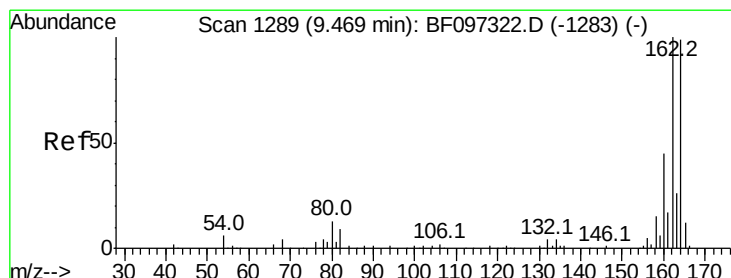
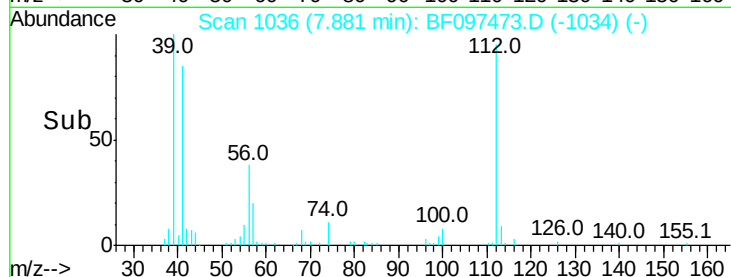
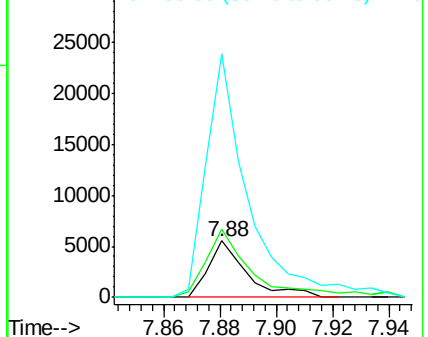
56 433.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097473.D

Acq: 8 Aug 2017 16:58

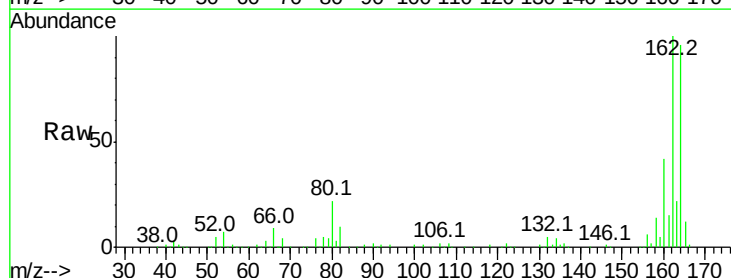
Tgt Ion:164 Resp: 182607

Ion Ratio Lower Upper

164 100

162 104.6 82.6 123.8

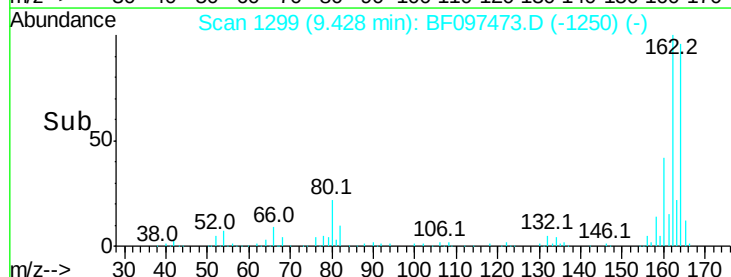
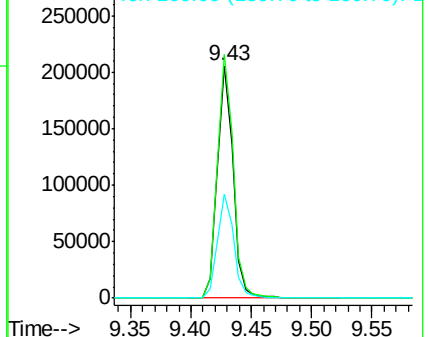
160 44.5 36.2 54.2

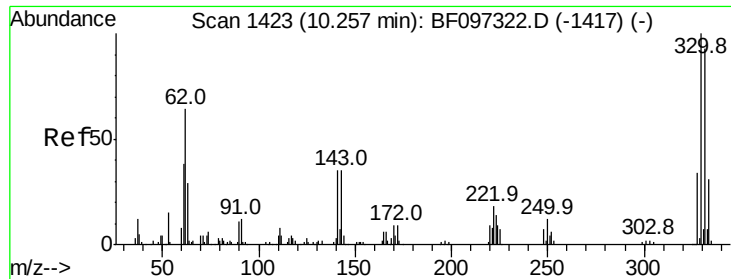


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

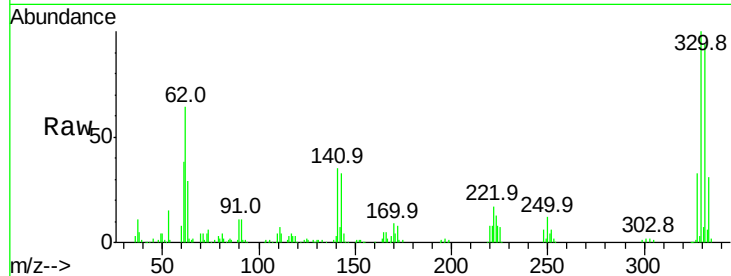




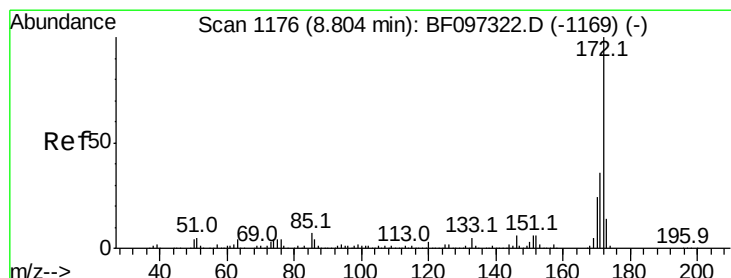
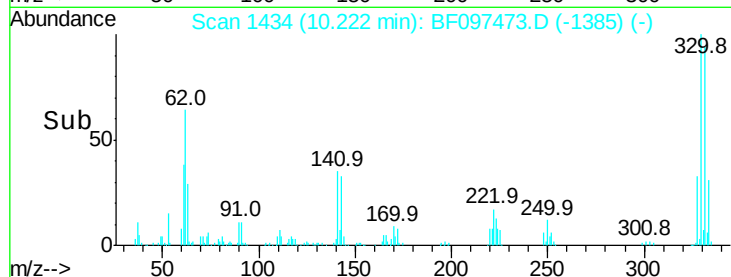
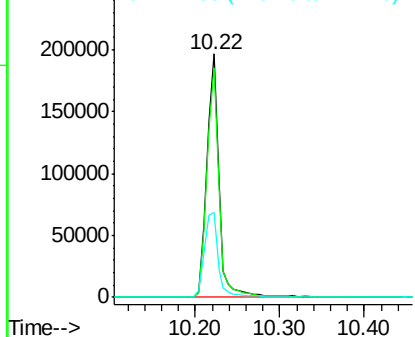
#41
 2,4,6-Tribromophenol
 Concen: 138.013 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451

Tot Ion:330 Resp: 199121
 Ion Ratio Lower Upper
 330 100
 332 94.0 76.6 115.0
 141 39.6 31.4 47.2

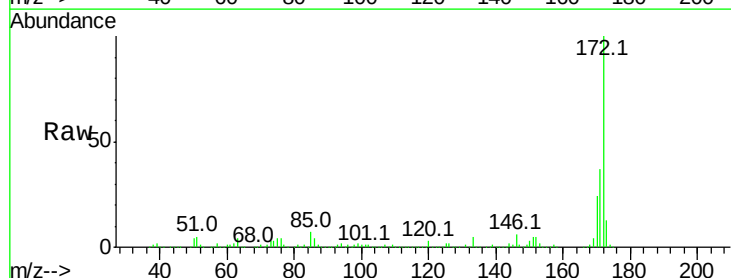


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

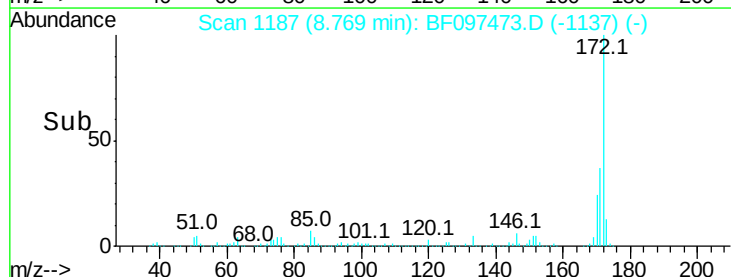
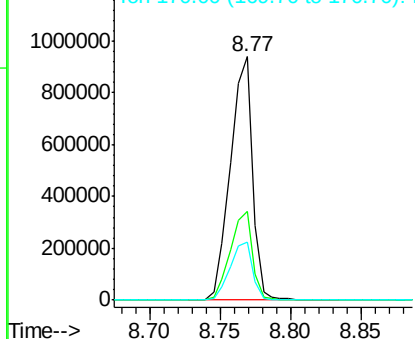


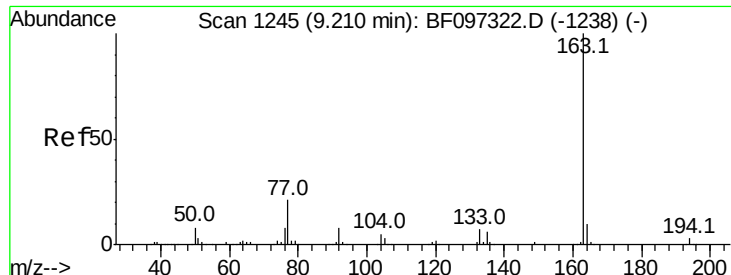
#44
 2-Fluorobiphenyl
 Concen: 95.824 ng
 RT: 8.77 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

Tgt Ion:172 Resp: 1031063
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 23.9 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

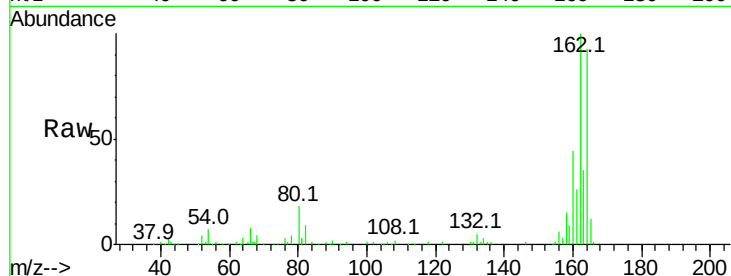




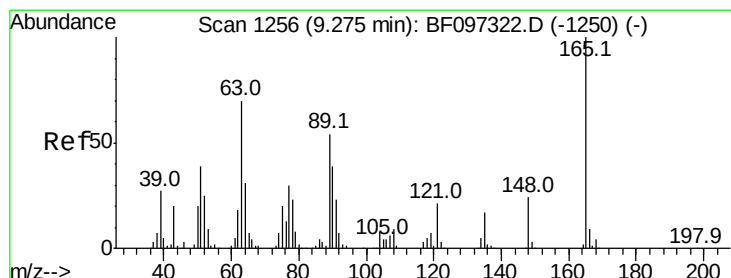
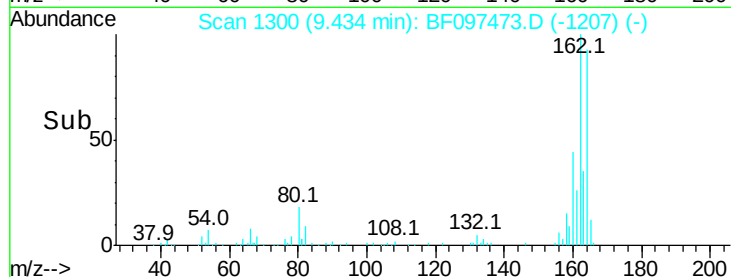
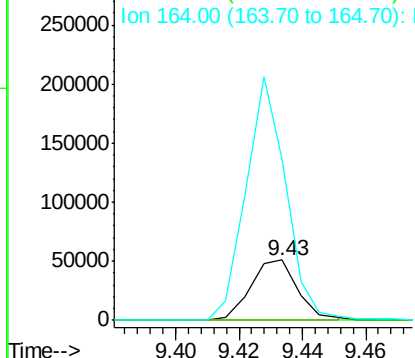
#49
Dimethylphthalate
Concen: 3.813 ng
RT: 9.43 min Scan# 1300
Delta R.T. 0.25 min
Lab File: BF097473.D
Acq: 8 Aug 2017 16:58

Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451

Tot Ion:163 Resp: 52872
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 267.4 8.4 12.6#

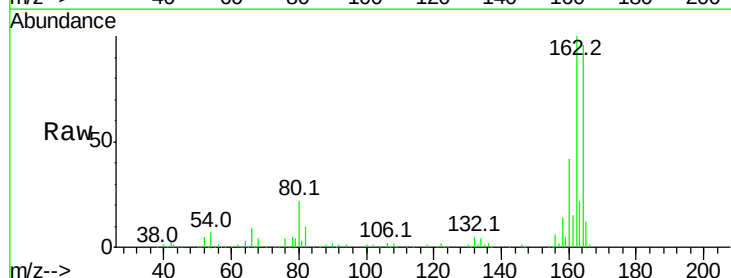


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

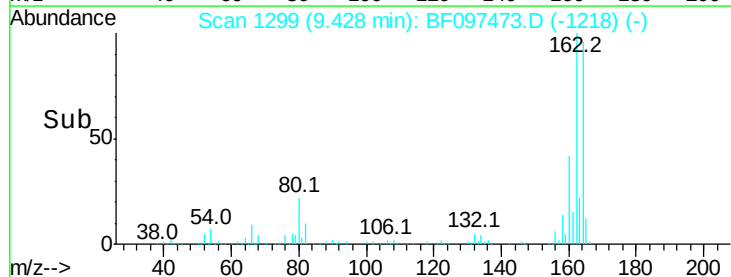
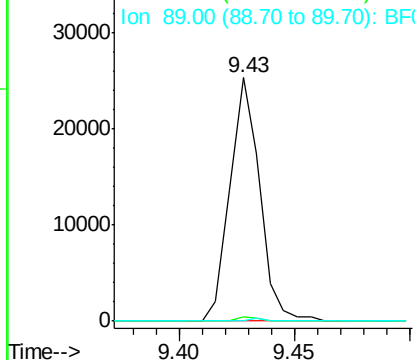


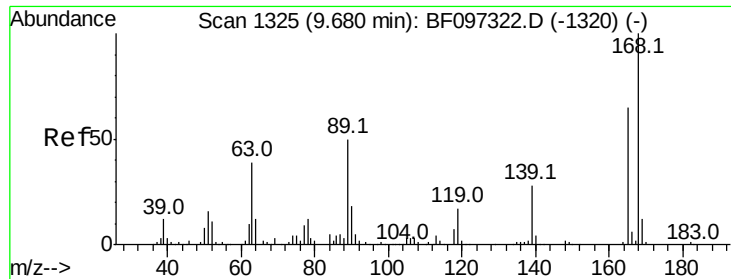
#50
2,6-Dinitrotoluene
Concen: 7.726 ng
RT: 9.43 min Scan# 1299
Delta R.T. 0.18 min
Lab File: BF097473.D
Acq: 8 Aug 2017 16:58

Tgt Ion:165 Resp: 22722
Ion Ratio Lower Upper
165 100
63 1.8 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

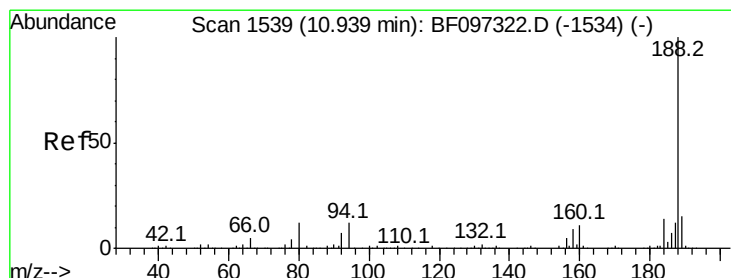
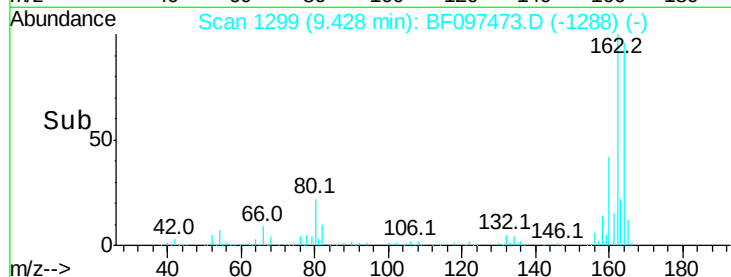
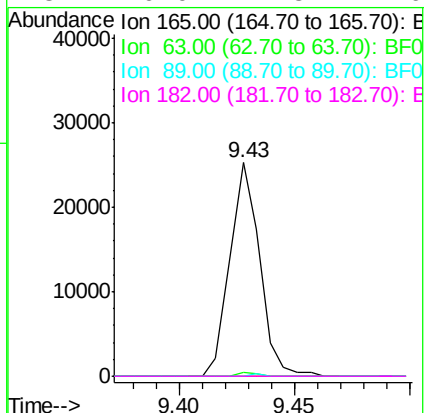
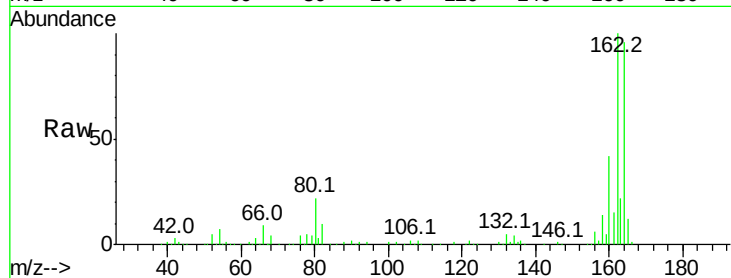




#56
 2,4-Dinitrotoluene
 Concen: 6.720 ng
 RT: 9.43 min Scan# 1299
 Delta R.T. -0.24 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

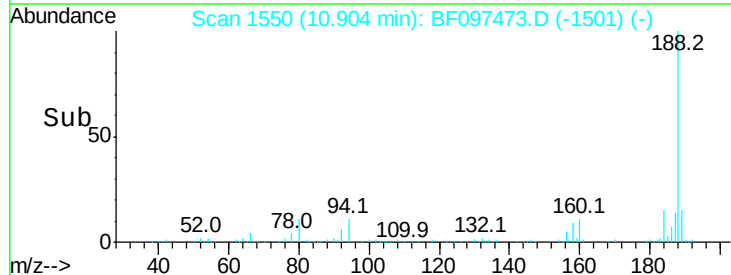
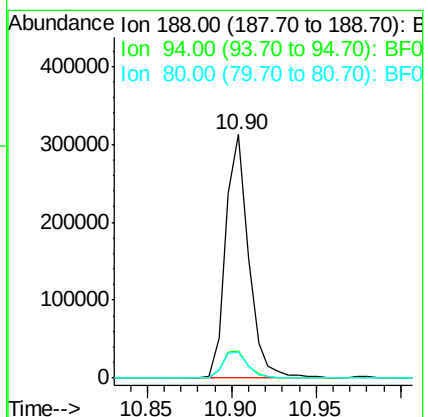
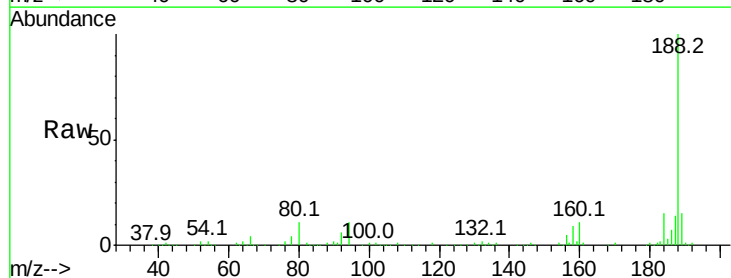
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451

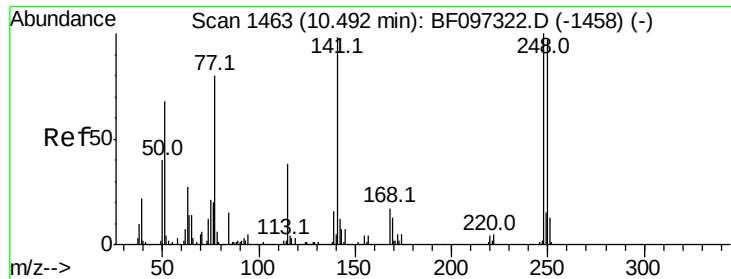
Tot Ion:165 Resp: 22722
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

Tgt Ion:188 Resp: 295049
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 10.6 10.2 15.2

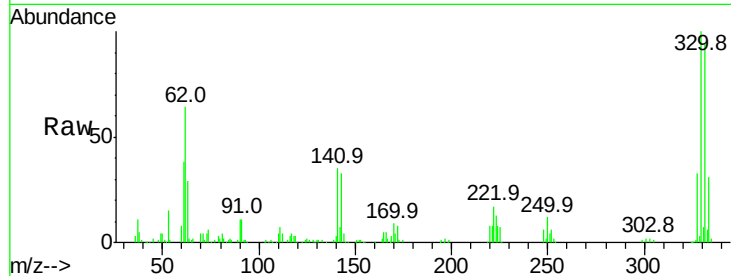




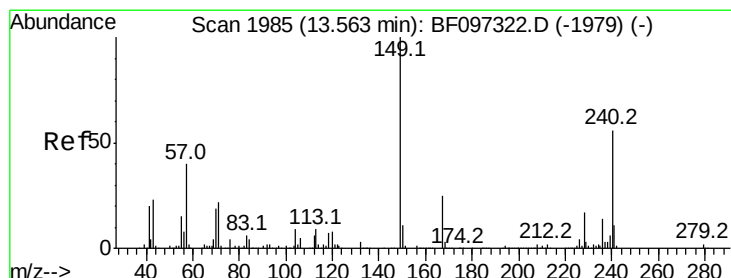
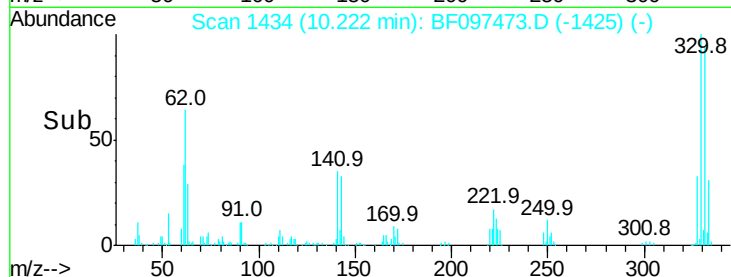
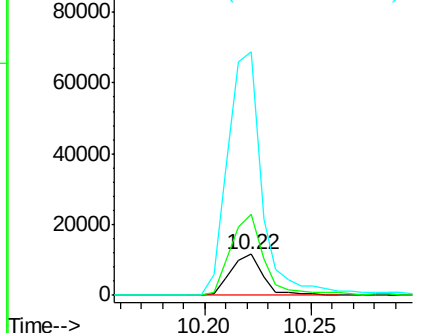
#66
 4-Bromophenyl-phenylether
 Concen: 4.152 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451

Tot Ion:248 Resp: 12226
 Ion Ratio Lower Upper
 248 100
 250 198.9 76.8 115.2#
 141 597.7 68.6 103.0#

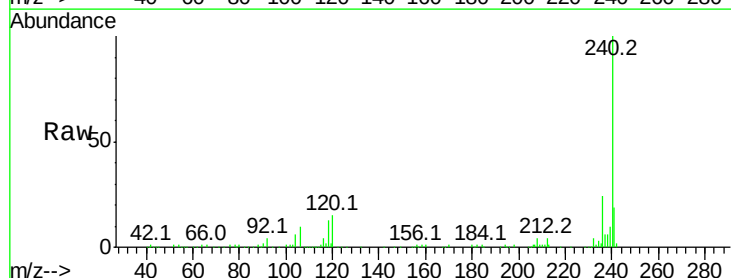


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

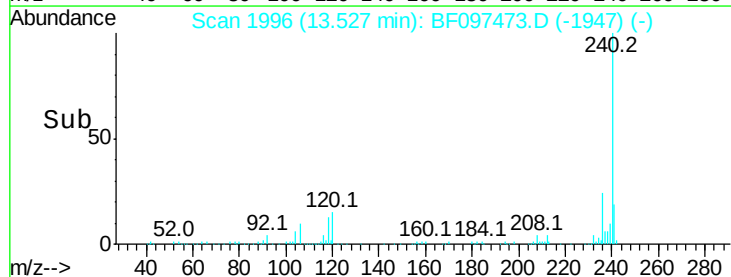
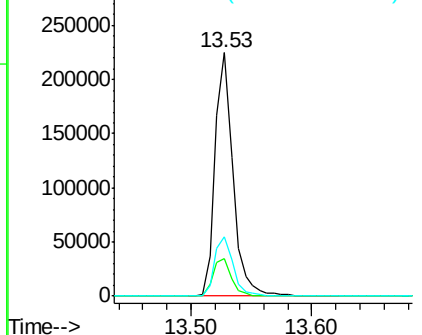


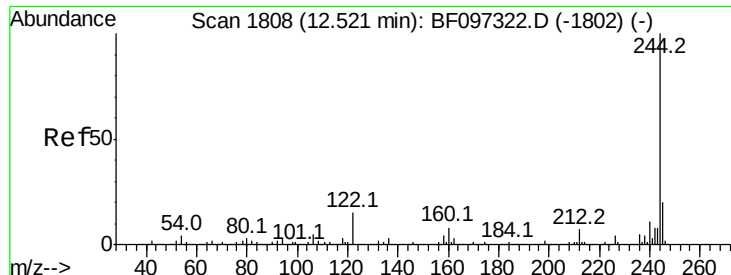
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.53 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF097473.D
 Acq: 8 Aug 2017 16:58

Tgt Ion:240 Resp: 228674
 Ion Ratio Lower Upper
 240 100
 120 15.2 5.8 8.8#
 236 24.4 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: 69.473 ng

RT: 12.49 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF097473.D

Acq: 8 Aug 2017 16:58

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451

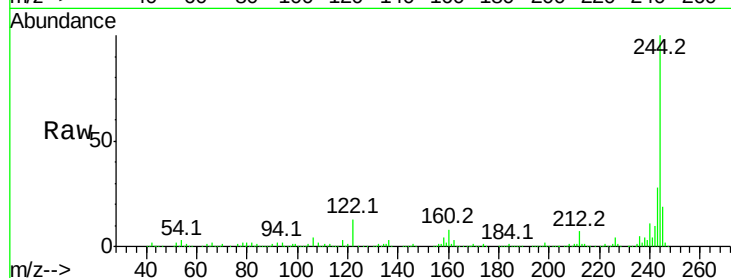
Tot Ion:244 Resp: 779198

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

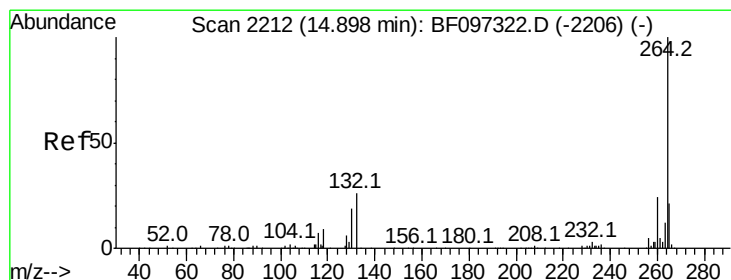
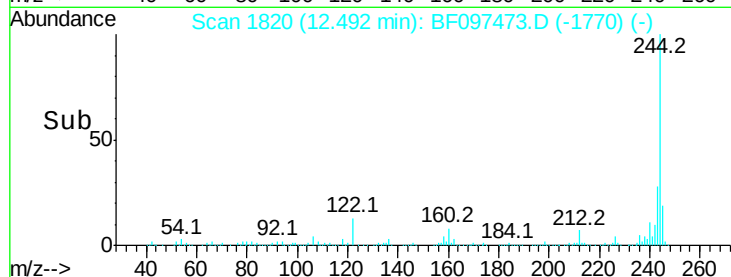
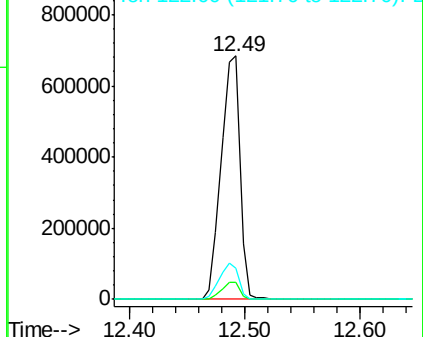
122 12.8 10.3 15.5



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: 14.86 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097473.D

Acq: 8 Aug 2017 16:58

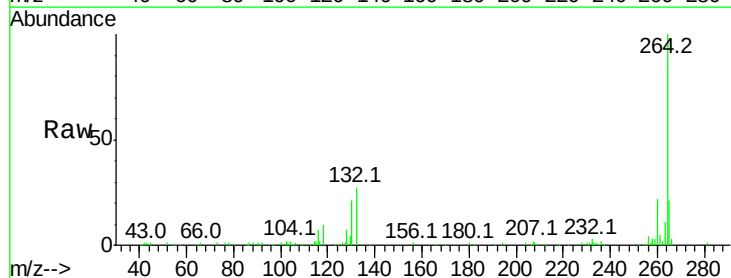
Tgt Ion:264 Resp: 164018

Ion Ratio Lower Upper

264 100

260 22.1 19.5 29.3

265 21.2 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

