

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097237.D
 Acq On : 1 Aug 2017 17:52
 Operator : SJ/JU
 Sample : I4524-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Quant Time: Aug 02 03:51:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

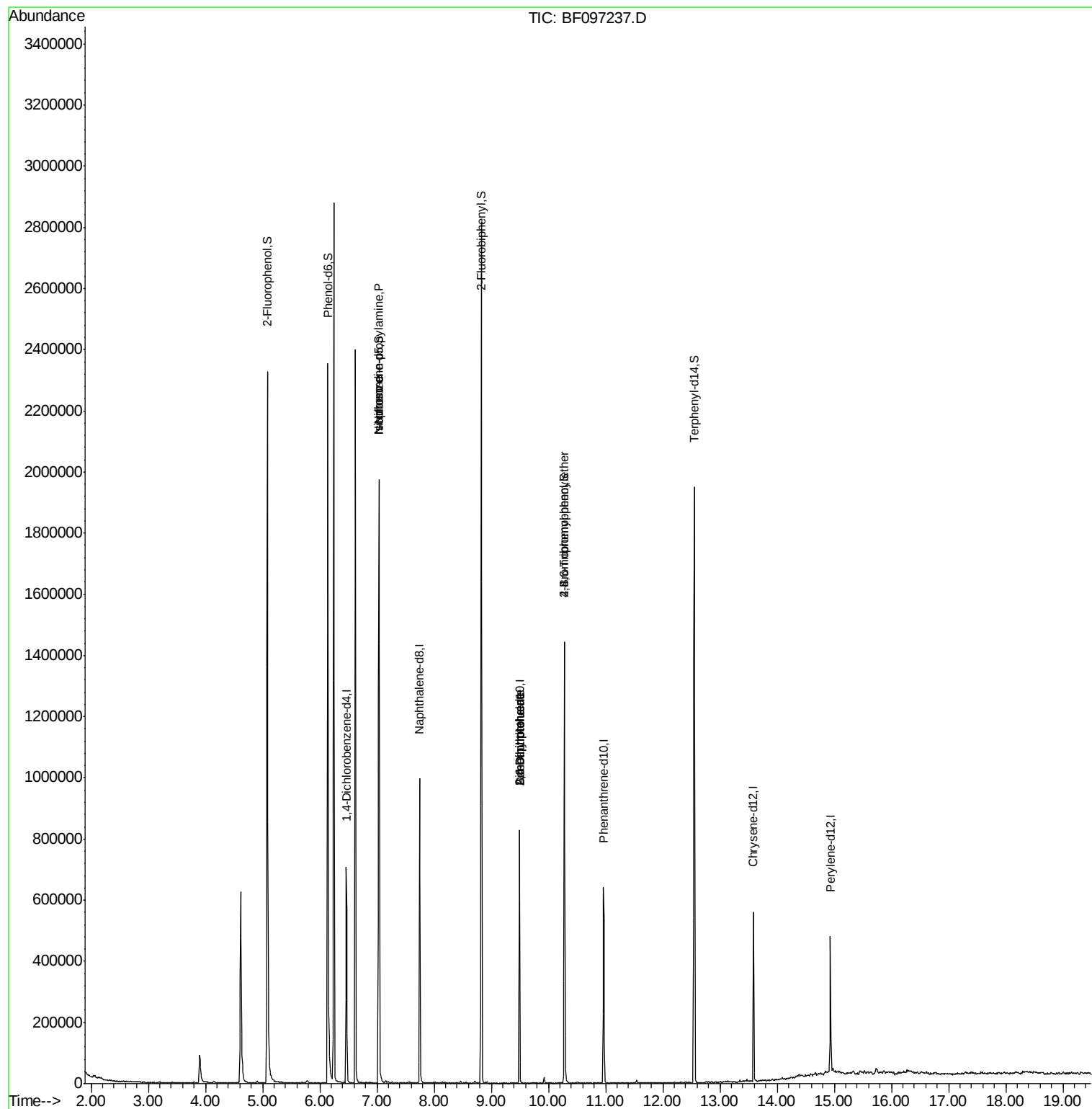
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	102185	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	430934	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	156082	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	219591	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	195669	20.00	ng	-0.04
86) Perylene-d12	14.93	264	158986	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	782131	115.38	ng	-0.01
7) Phenol-d6	6.14	99	926627	119.74	ng	-0.03
23) Nitrobenzene-d5	7.03	82	628105	85.51	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	152085	123.33	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	918882	99.91	ng	-0.04
78) Terphenyl-d14	12.55	244	606937	63.24	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	83814	16.45	ng	# 86
25) Isophorone	7.03	82	615149	42.76	ng	# 67
49) Dimethylphthalate	9.49	163	48344	4.08	ng	# 1
50) 2,6-Dinitrotoluene	9.49	165	19028	7.57	ng	# 35
56) 2,4-Dinitrotoluene	9.49	165	19028	6.58	ng	# 34
66) 4-Bromophenyl-phenylether	10.28	248	10169	4.64	ng	# 1

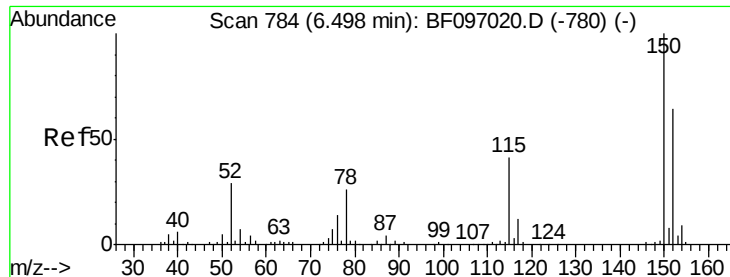
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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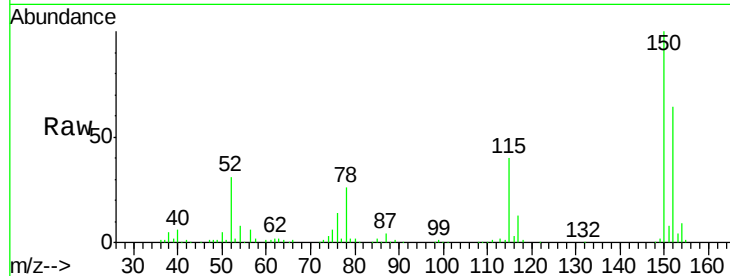


#1

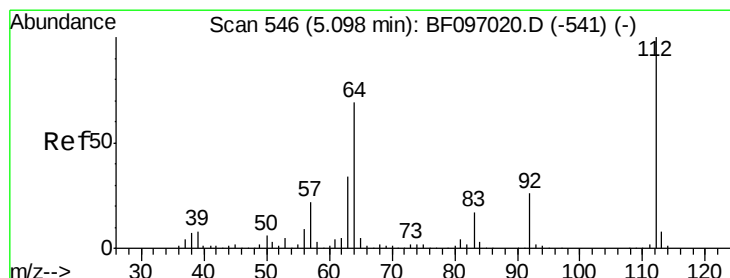
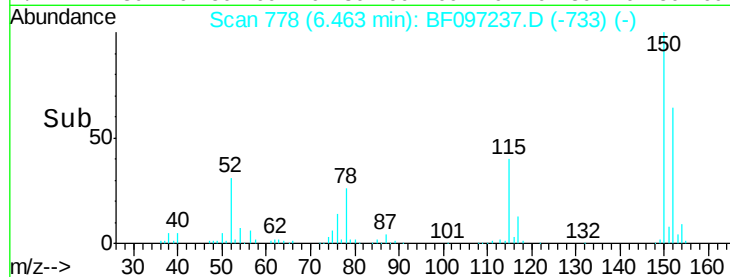
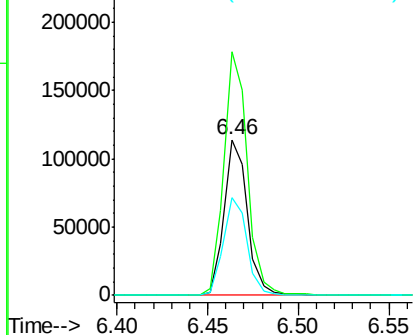
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.46 min Scan# 778
 Delta R.T. -0.04 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:152 Resp: 102185
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.2 189.2
 115 62.7 52.2 78.2



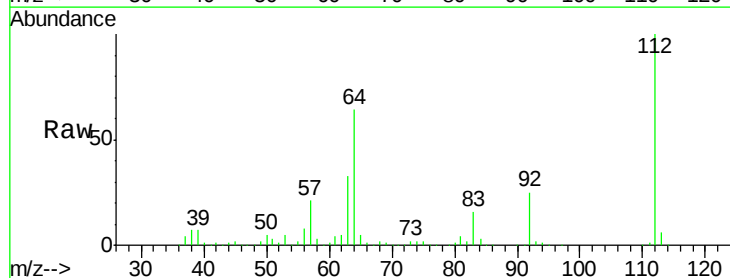
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



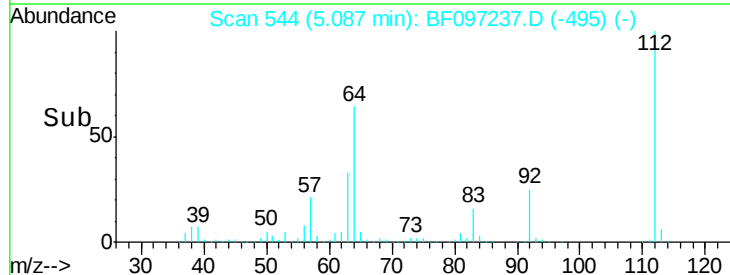
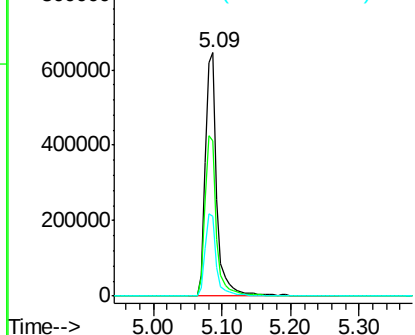
#5

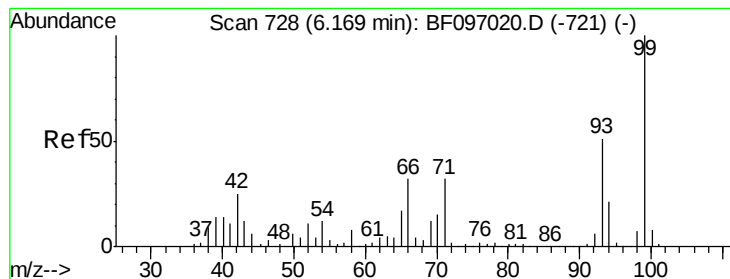
2-Fluorophenol
 Concen: 115.38 ng
 RT: 5.09 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

Tgt Ion:112 Resp: 782131
 Ion Ratio Lower Upper
 112 100
 64 63.9 46.0 69.0
 63 33.0 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: 119.74 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

Instrument :

BNA_F

ClientSampled :

SU-04-072817

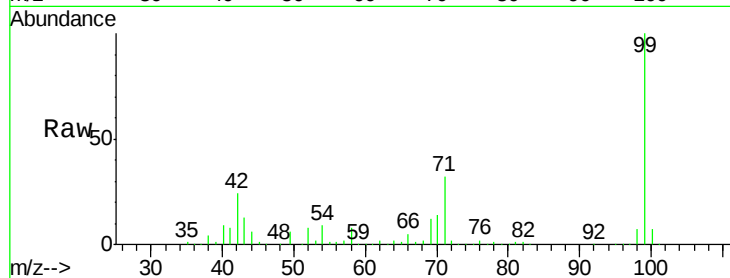
Tot Ion: 99 Resp: 926627

Ion Ratio Lower Upper

99 100

42 24.5 13.5 20.3#

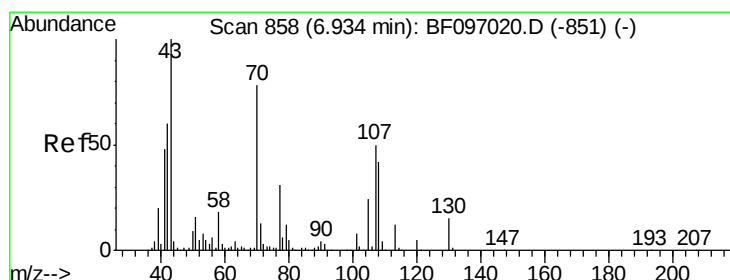
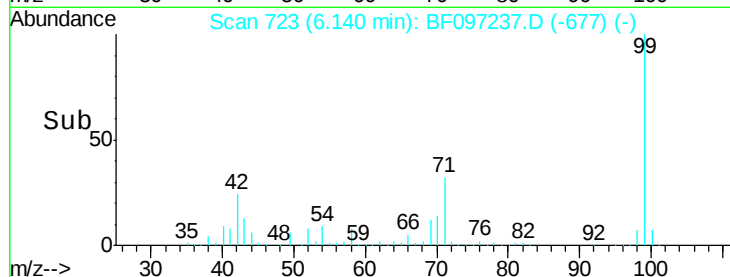
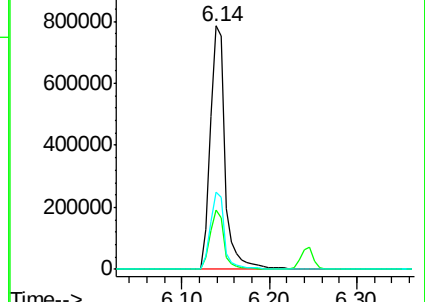
71 31.8 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.45 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.10 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

Tgt Ion: 70 Resp: 83814

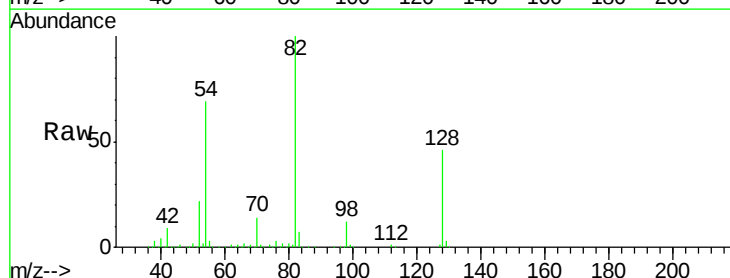
Ion Ratio Lower Upper

70 100

42 61.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

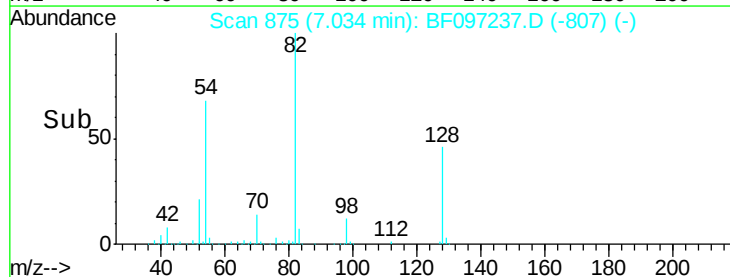
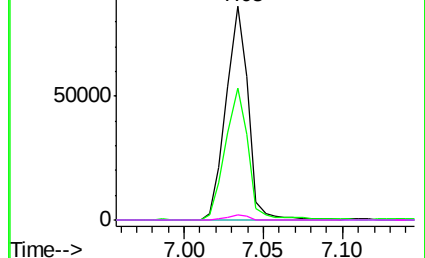


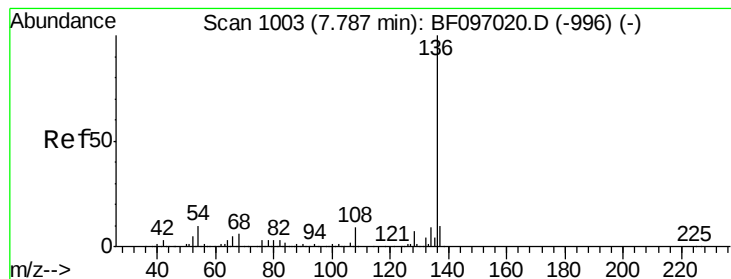
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.75 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

Instrument :

BNA_F

ClientSampleId :

SU-04-072817

Tot Ion:136 Resp: 430934

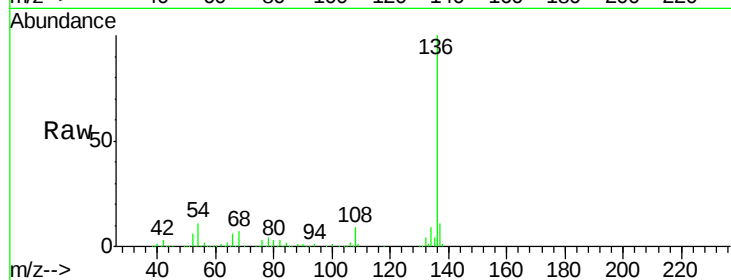
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 11.3 4.9 7.3#

68 6.8 4.1 6.1#

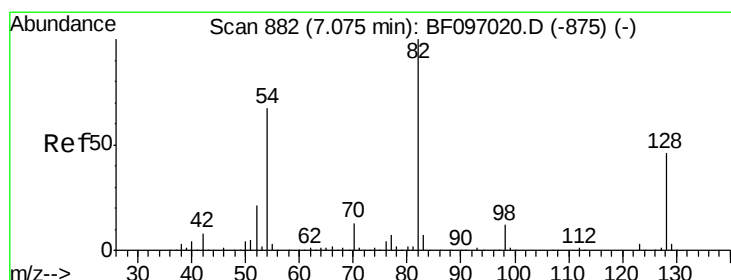
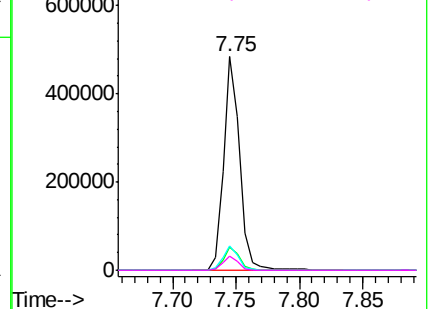
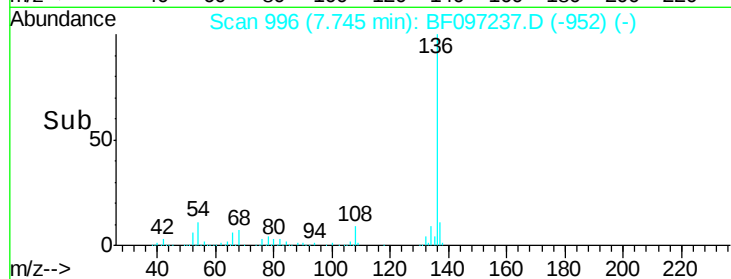


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.51 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.04 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

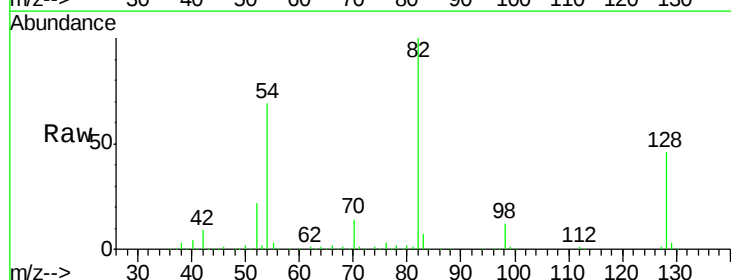
Tgt Ion: 82 Resp: 628105

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

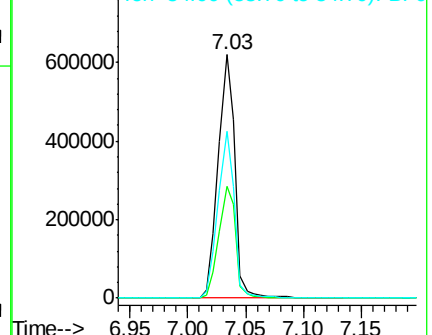
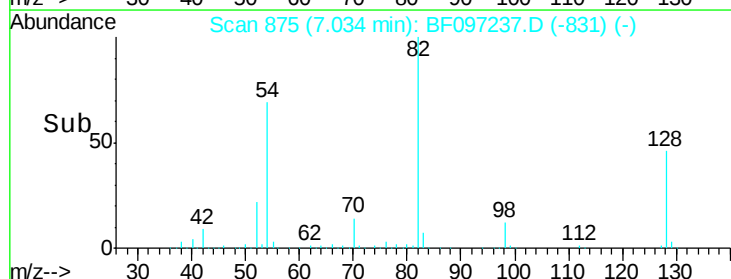
54 68.8 42.2 63.2#

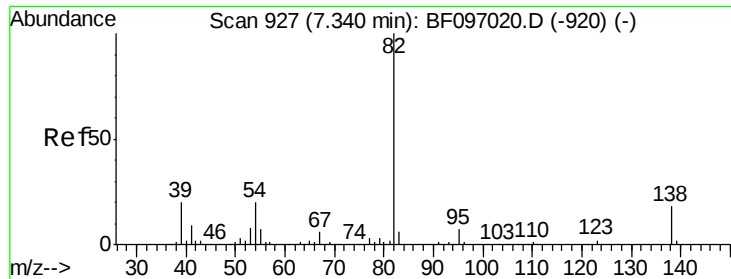


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.76 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.31 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

Instrument :

BNA_F

ClientSampleId :

SU-04-072817

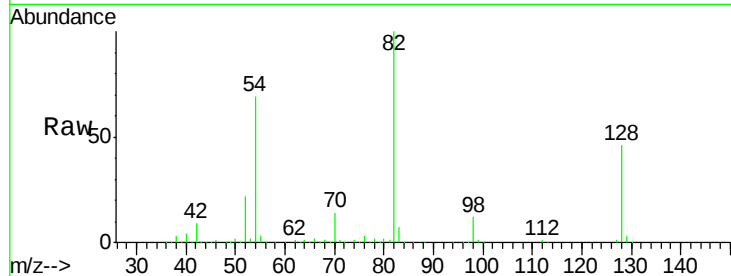
Tot Ion: 82 Resp: 615149

Ion Ratio Lower Upper

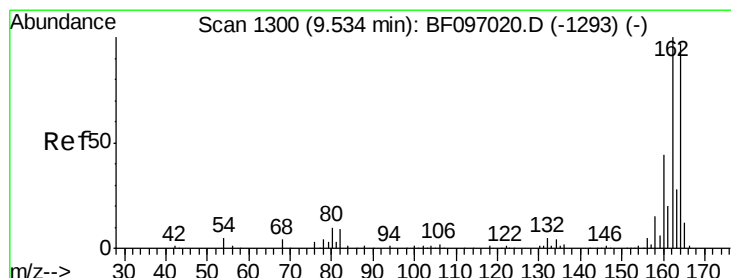
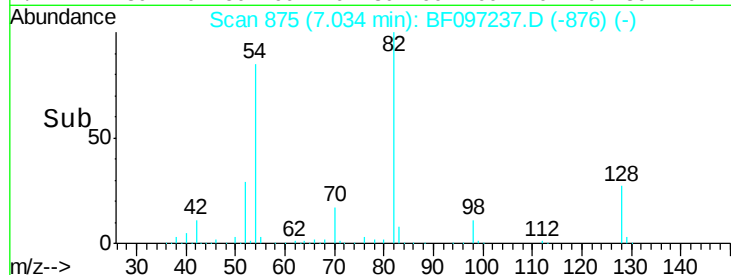
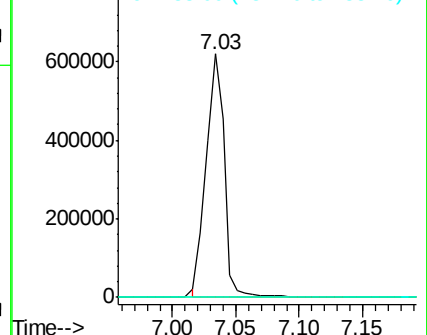
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

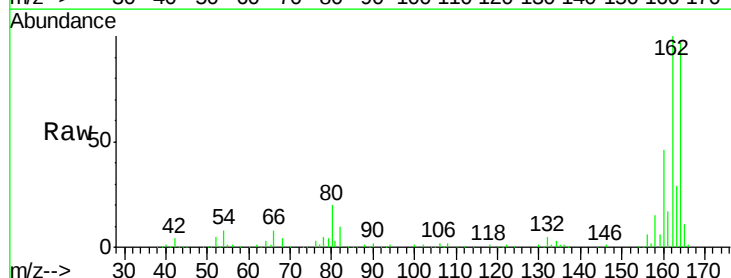
Tgt Ion:164 Resp: 156082

Ion Ratio Lower Upper

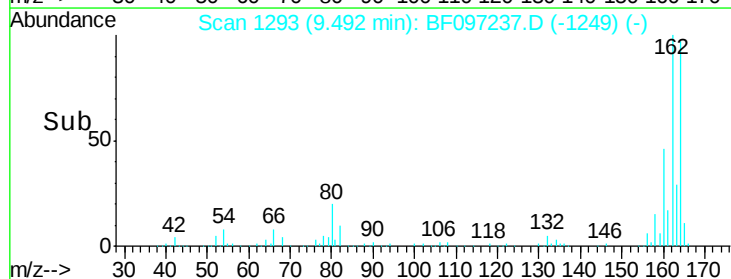
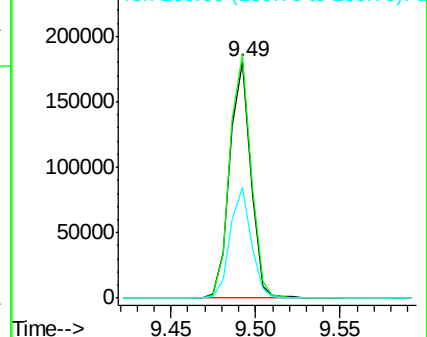
164 100

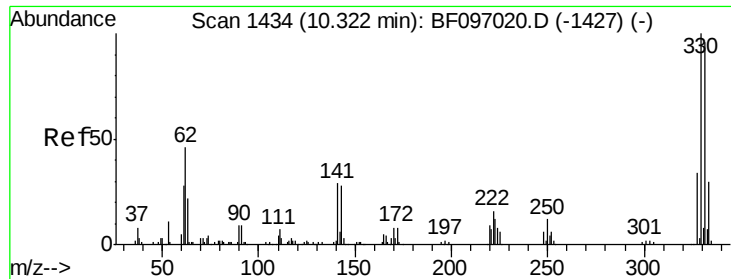
162 103.1 82.6 123.8

160 47.1 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: 123.33 ng

RT: 10.28 min Scan# 1427

Delta R.T. -0.04 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

Instrument :

BNA_F

ClientSampleId :

SU-04-072817

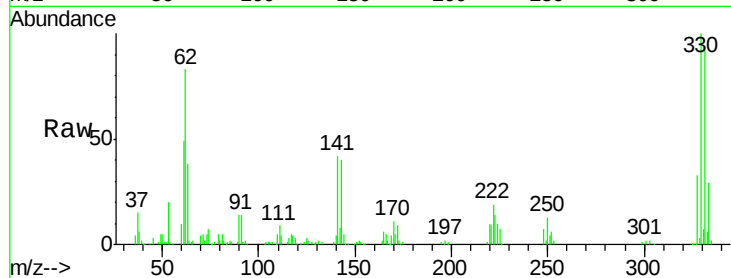
Tot Ion:330 Resp: 152085

Ion Ratio Lower Upper

330 100

332 94.1 76.6 115.0

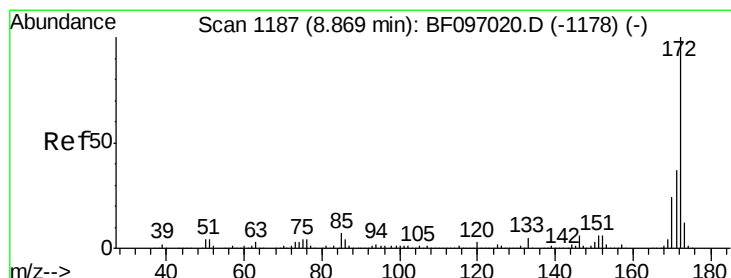
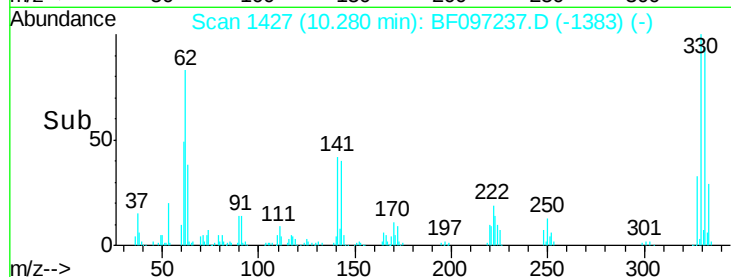
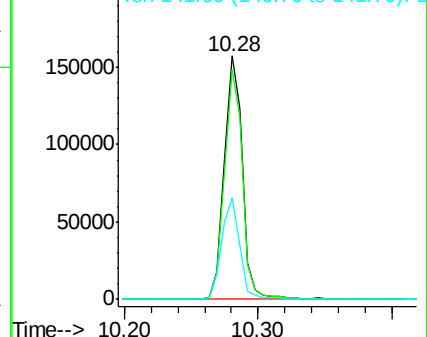
141 41.8 31.4 47.2



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: 99.91 ng

RT: 8.83 min Scan# 1180

Delta R.T. -0.04 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

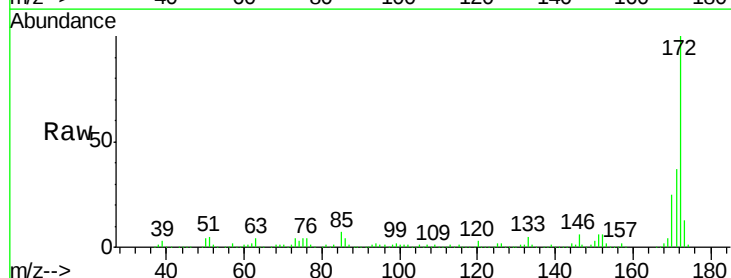
Tgt Ion:172 Resp: 918882

Ion Ratio Lower Upper

172 100

171 37.1 29.6 44.4

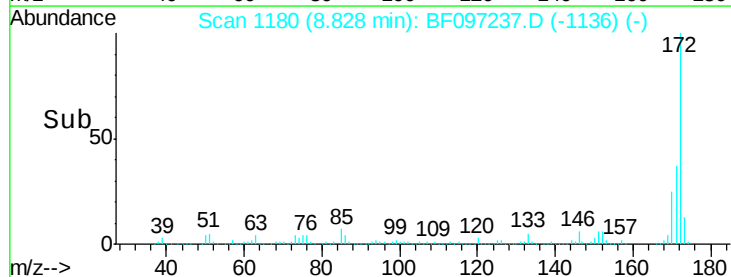
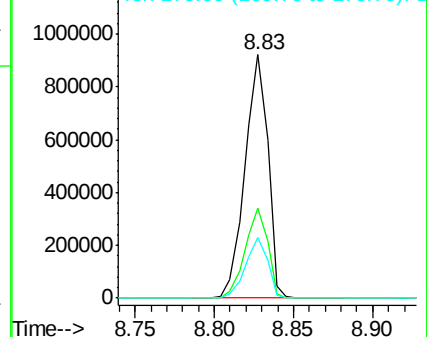
170 24.9 19.8 29.8

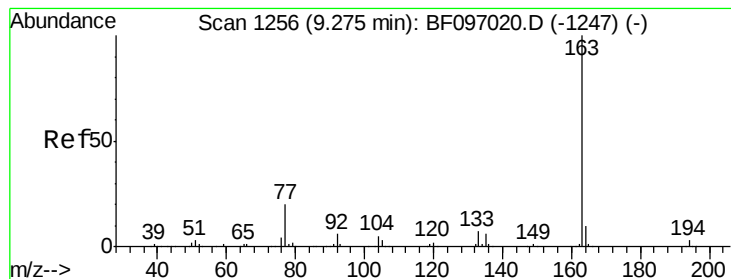


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.08 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.22 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

Instrument :

BNA_F

ClientSampleId :

SU-04-072817

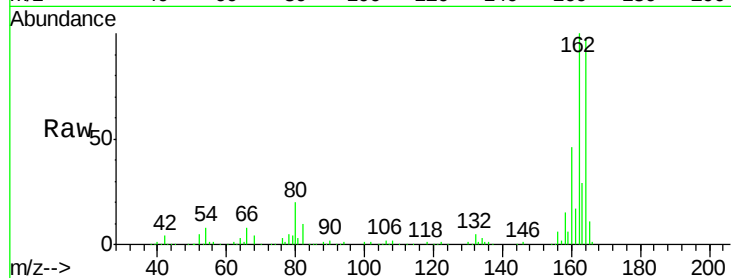
Tot Ion:163 Resp: 48344

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

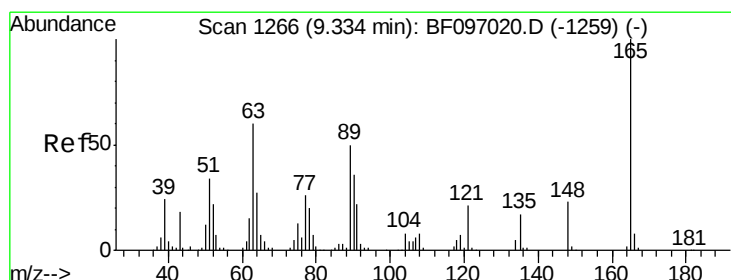
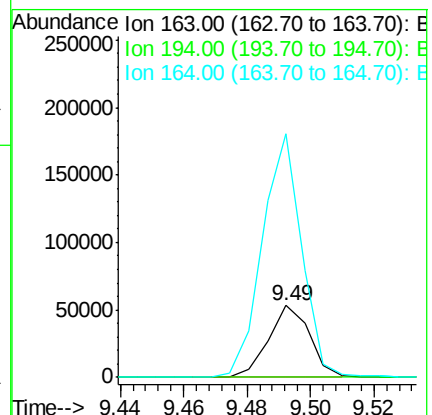
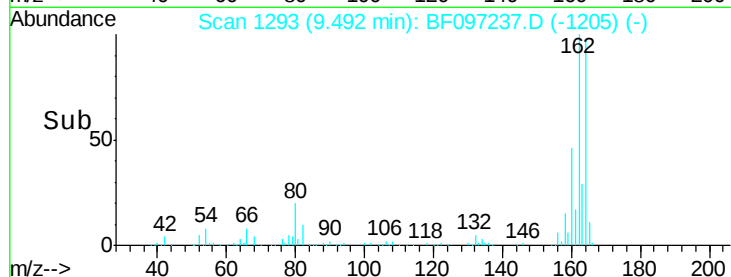
164 338.5 8.4 12.6#



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: 7.57 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.16 min

Lab File: BF097237.D

Acq: 1 Aug 2017 17:52

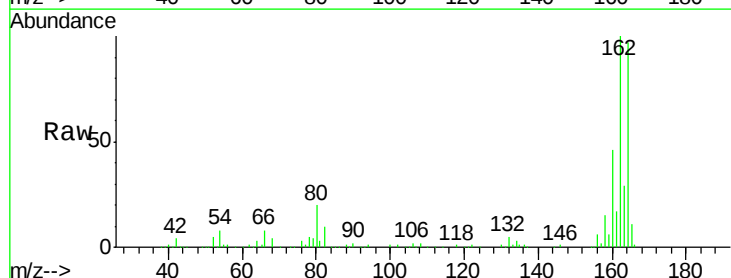
Tgt Ion:165 Resp: 19028

Ion Ratio Lower Upper

165 100

63 2.2 34.3 51.5#

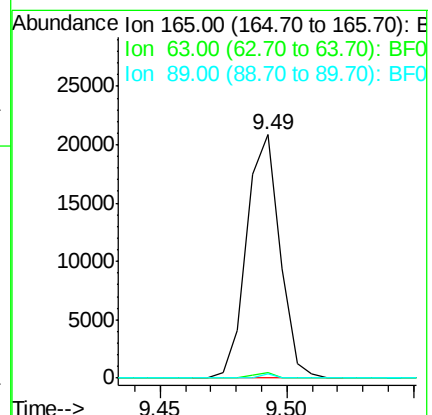
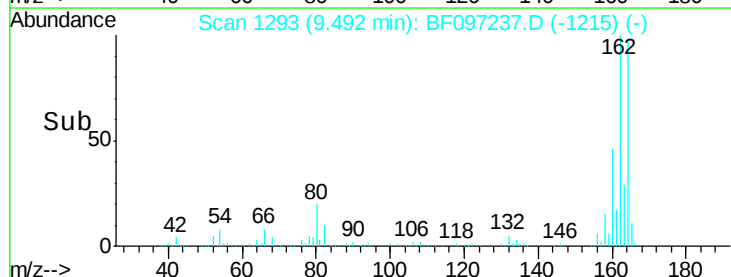
89 1.9 37.1 55.7#



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

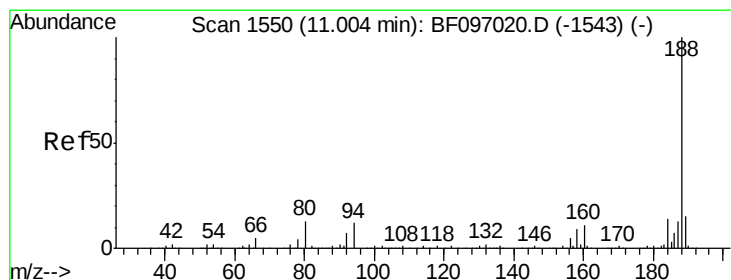
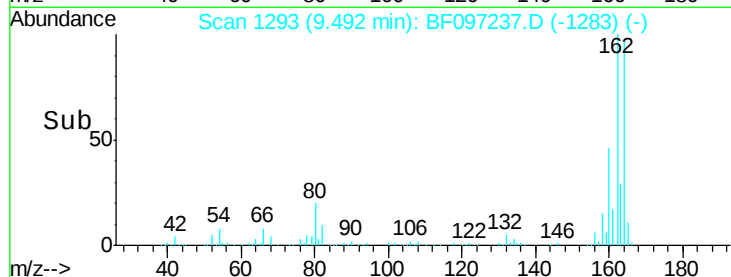
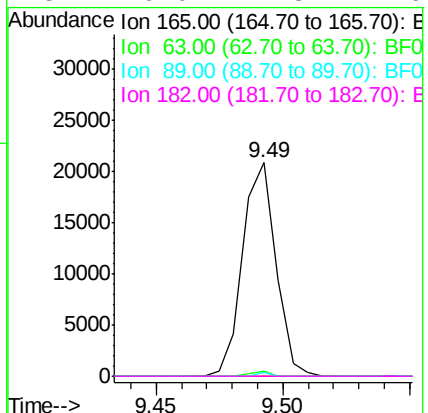
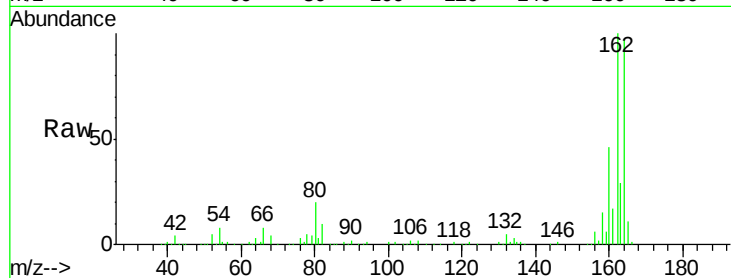




#56
 2,4-Dinitrotoluene
 Concen: 6.58 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.24 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

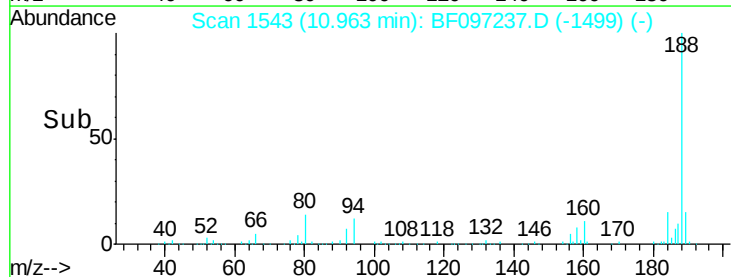
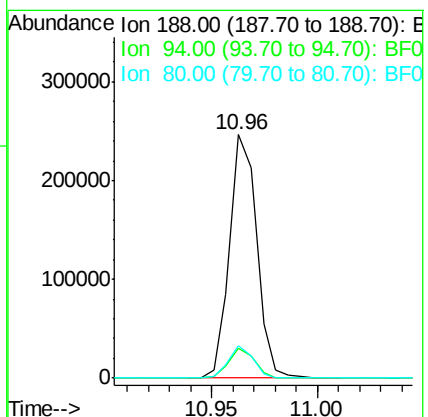
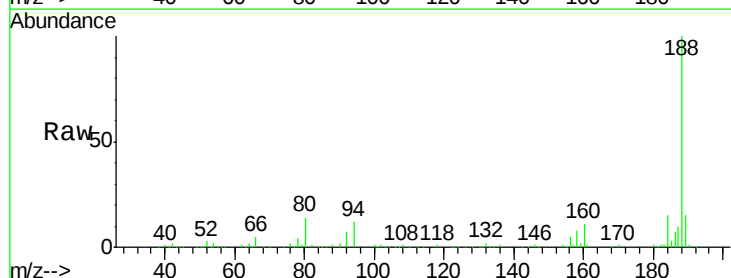
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:165 Resp: 19028
 Ion Ratio Lower Upper
 165 100
 63 2.2 25.4 38.0#
 89 1.9 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.96 min Scan# 1543
 Delta R.T. -0.04 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

Tgt Ion:188 Resp: 219591
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 13.5 10.2 15.2

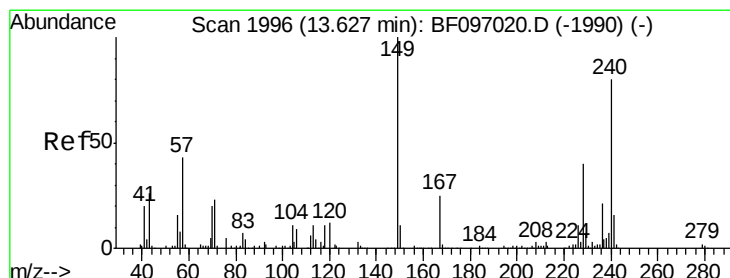
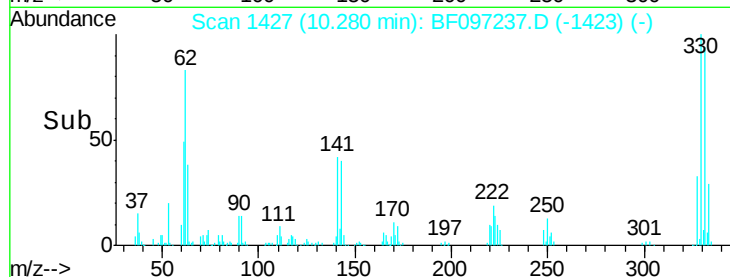
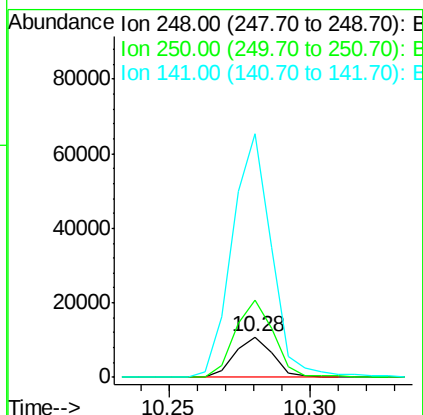
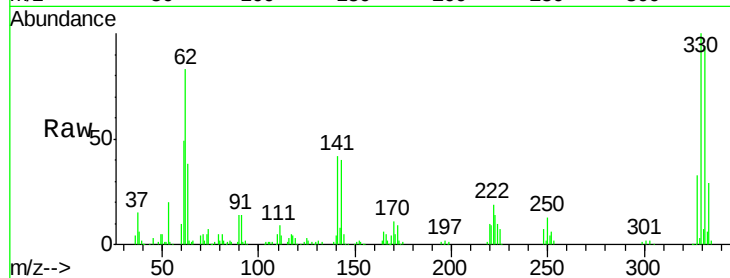




#66
 4-Bromophenyl-phenylether
 Concen: 4.64 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.28 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

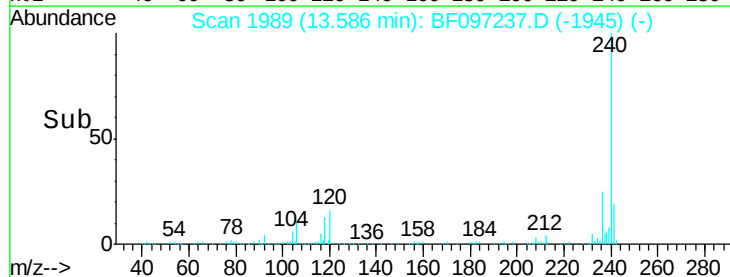
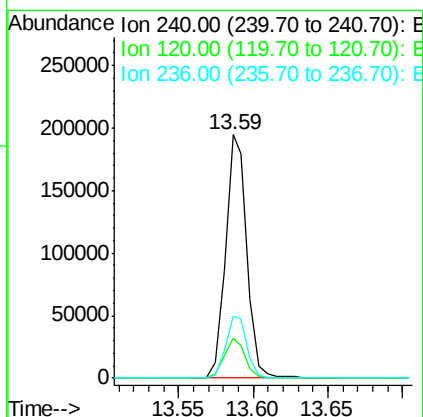
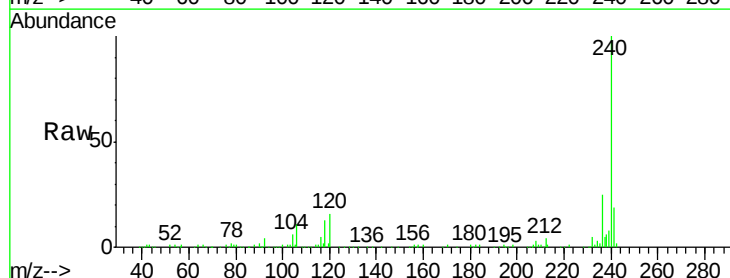
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

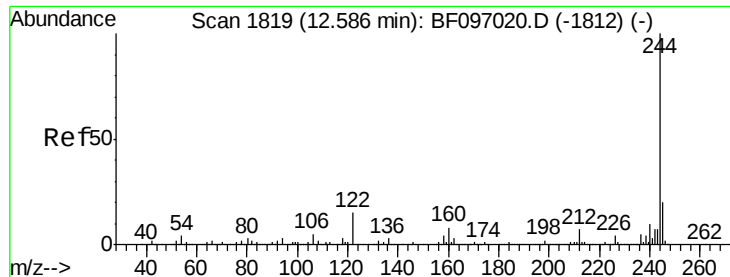
Tot Ion:248 Resp: 10169
 Ion Ratio Lower Upper
 248 100
 250 189.9 76.8 115.2#
 141 600.6 68.6 103.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.59 min Scan# 1989
 Delta R.T. -0.04 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

Tgt Ion:240 Resp: 195669
 Ion Ratio Lower Upper
 240 100
 120 16.4 5.8 8.8#
 236 25.2 20.5 30.7

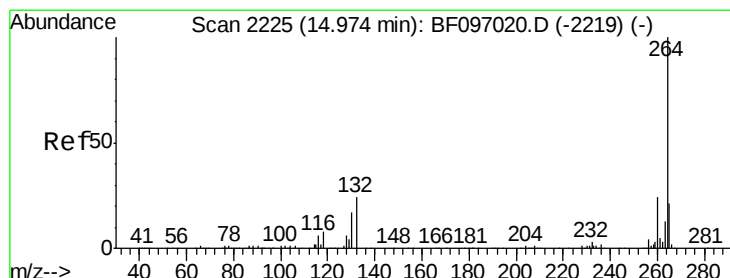
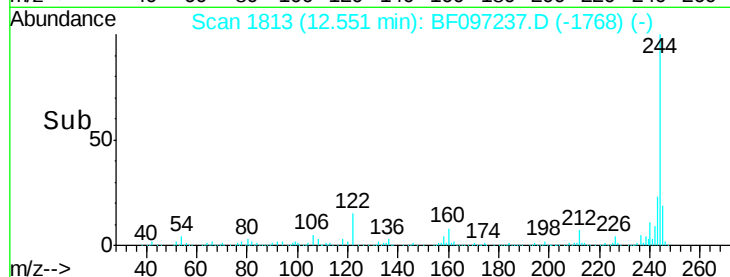
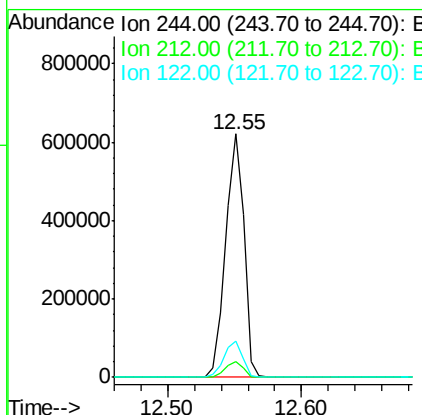
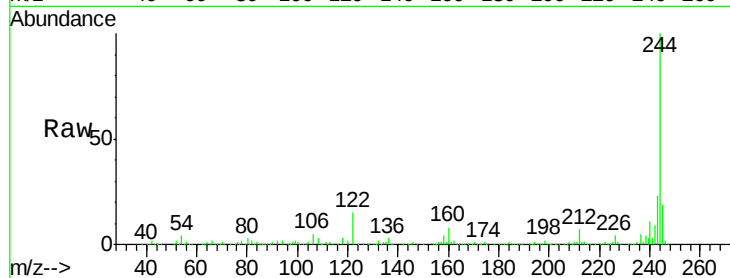




#78
 Terphenyl-d14
 Concen: 63.24 ng
 RT: 12.55 min Scan# 1813
 Delta R.T. -0.04 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-072817

Tot Ion:244 Resp: 606937
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.9 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF097237.D
 Acq: 1 Aug 2017 17:52

Tgt Ion:264 Resp: 158986
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 21.3 17.2 25.8

