

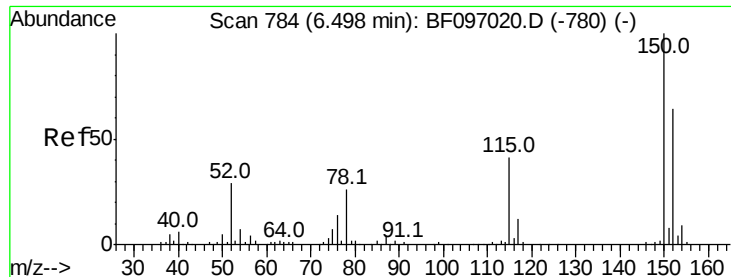
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097152.D
 Acq On : 28 Jul 2017 14:10
 Operator : SJ/JU
 Sample : I4397-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-2C-14.5-15.0-072117

Quant Time: Jul 28 14:33:54 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	6.49	152	119281	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	484334	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	185223	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	267439	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	218406	20.00	ng	-0.02
86) Perylene-d12	14.96	264	188660	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	774613	97.90	ng	0.00
7) Phenol-d6	6.15	99	1012792	112.12	ng	-0.02
23) Nitrobenzene-d5	7.06	82	517767	62.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	143413	98.00	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	846522	77.56	ng	-0.02
78) Terphenyl-d14	12.57	244	499739	46.65	ng	-0.01
Target Compounds						
10) Phenol	6.16	94	38566	3.599	ng	99
19) n-Nitroso-di-n-propylamine	7.06	70	70406	11.841	ng	# 87
25) Isophorone	7.06	82	511261	31.621	ng	# 67
35) Caprolactam	8.22	113	5696	2.687	ng	# 1
37) 2-Methylnaphthalene	8.48	142	52572	3.637	ng	95
49) Dimethylphthalate	9.25	163	123777	8.800	ng	100
65) n-Nitrosodiphenylamine	10.18	169	22134	2.379	ng	# 41
66) 4-Bromophenyl-phenylether	10.30	248	9339	3.499	ng	# 1
70) Phenanthrene	11.02	178	37924	2.647	ng	# 96

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

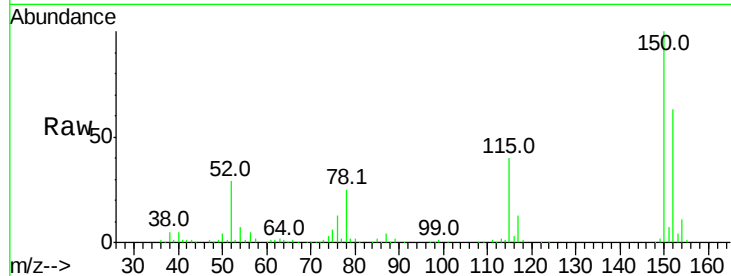


#1

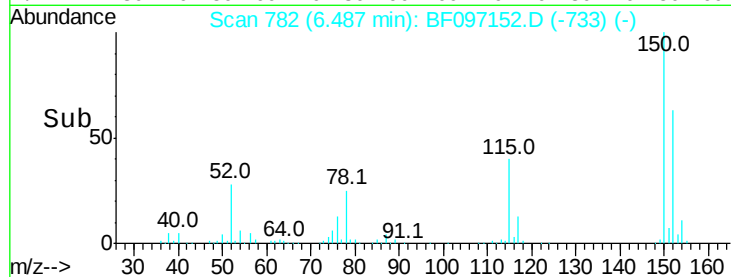
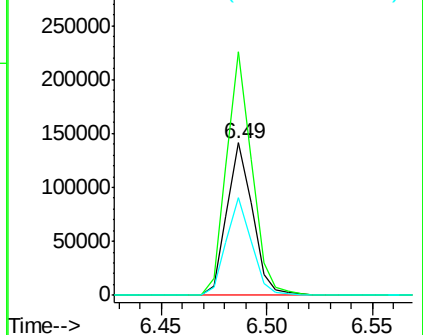
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Instrument :
BNA_F
ClientSampleId :
T-2C-14.5-15.0-072117

Tot Ion:152 Resp: 119281
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 64.4 52.2 78.2



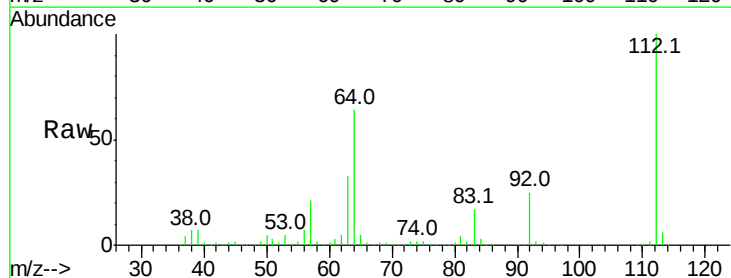
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



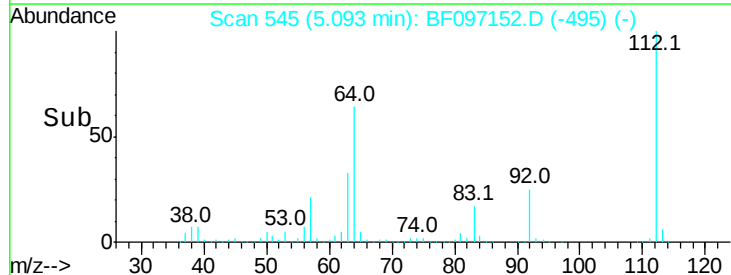
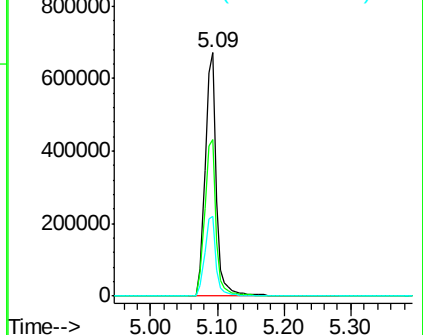
#5

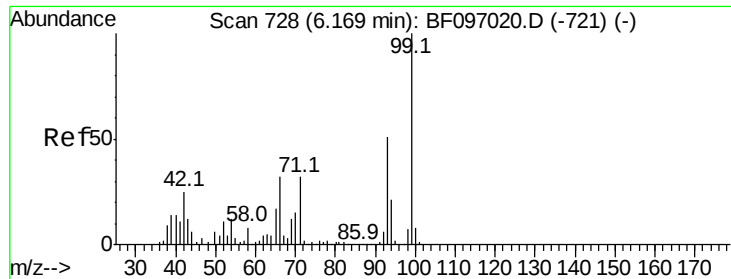
2-Fluorophenol
Concen: 97.897 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Tgt Ion:112 Resp: 774613
Ion Ratio Lower Upper
112 100
64 64.2 46.0 69.0
63 32.9 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: 112.120 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097152.D

Acq: 28 Jul 2017 14:10

Instrument :

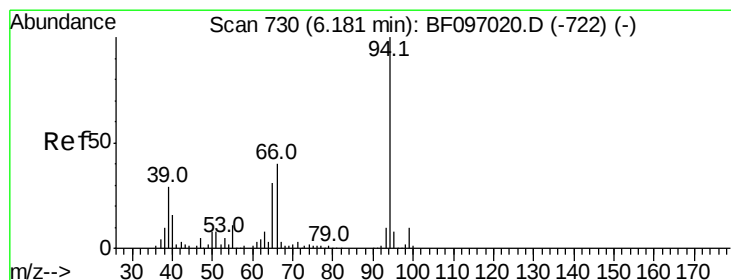
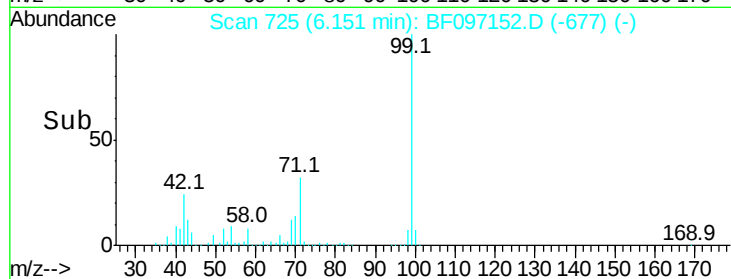
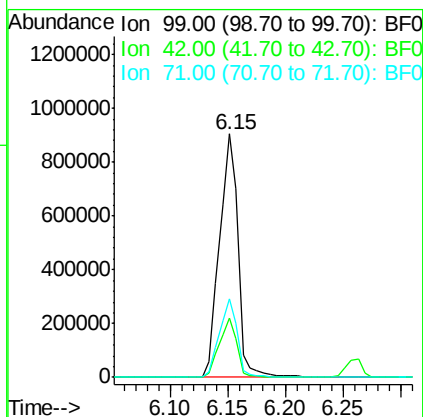
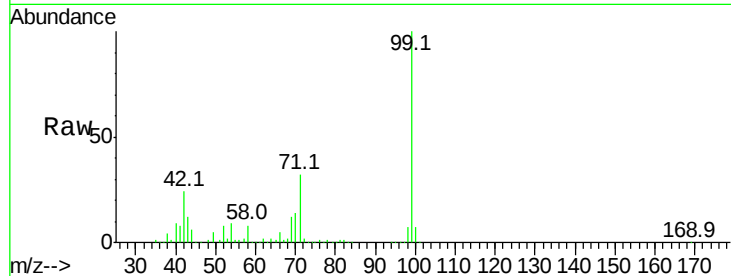
BNA_F

ClientSampleId :

T-2C-14.5-15.0-072117

Tot Ion: 99 Resp: 1012792

Ion	Ratio	Lower	Upper
99	100		
42	24.3	13.5	20.3#
71	32.3	24.5	36.7



#10

Phenol

Concen: 3.599 ng

RT: 6.16 min Scan# 727

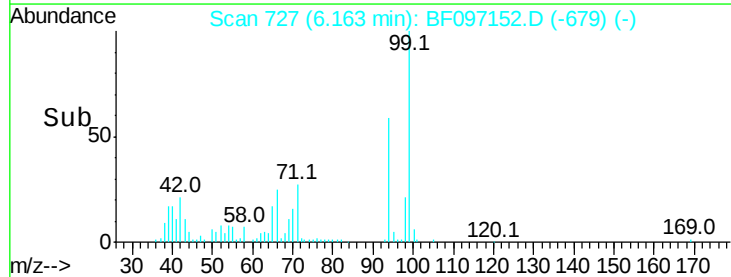
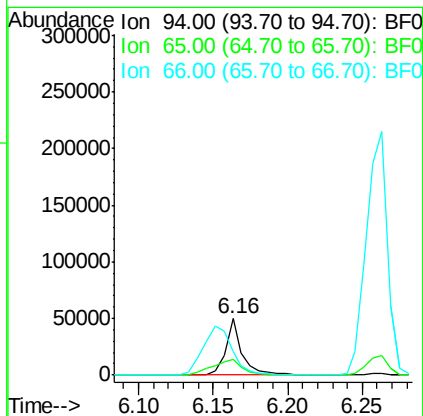
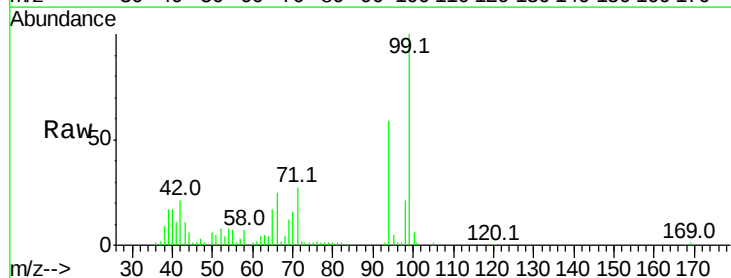
Delta R.T. -0.02 min

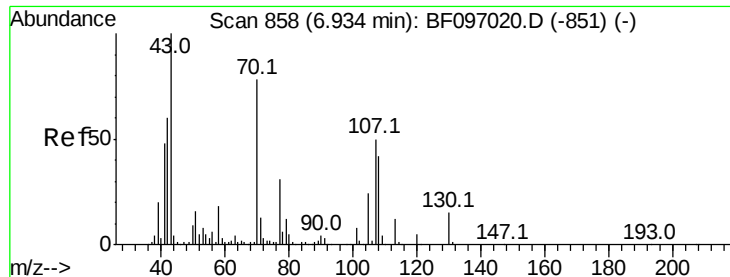
Lab File: BF097152.D

Acq: 28 Jul 2017 14:10

Tgt Ion: 94 Resp: 38566

Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.9	49.9
66	42.4	23.1	63.1

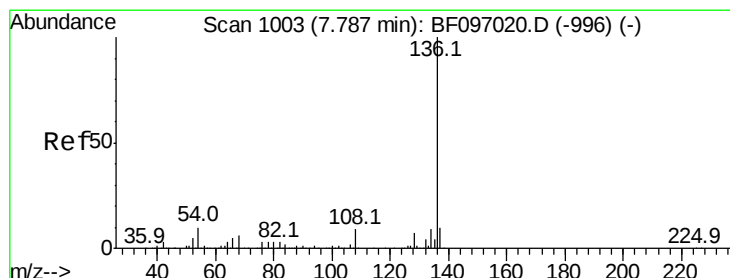
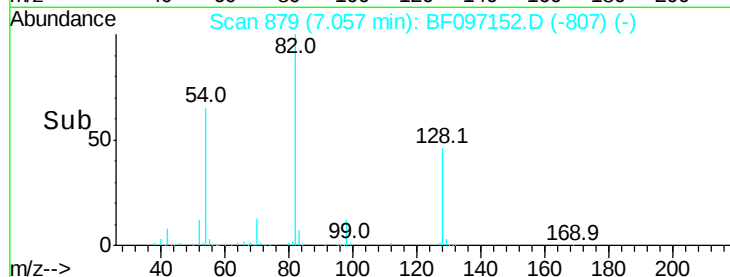
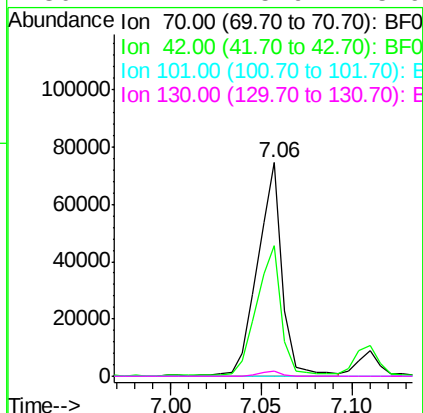
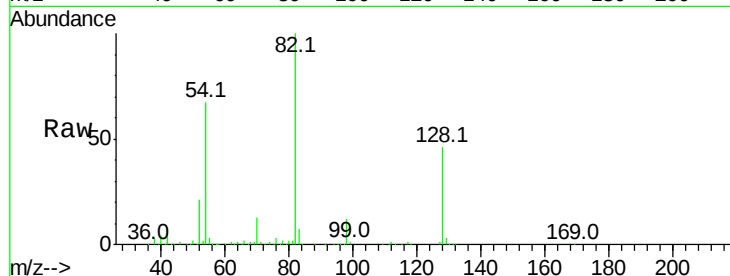




#19
n-Nitroso-di-n-propylamine
Concen: 11.841 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

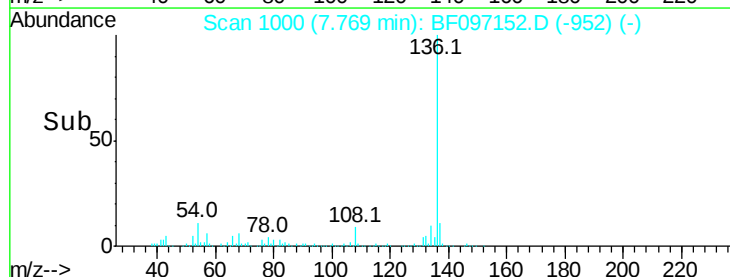
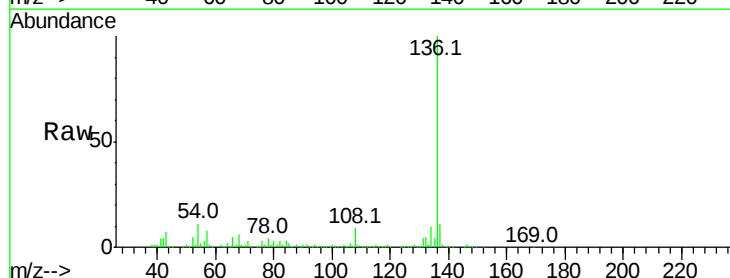
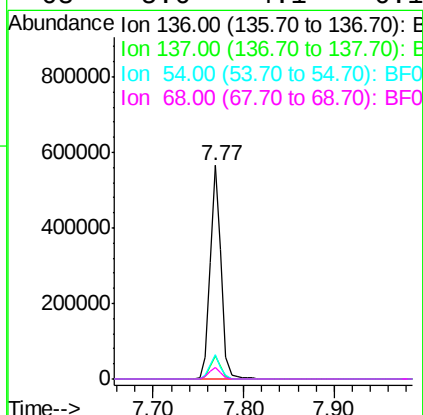
Instrument :
BNA_F
ClientSampleId :
T-2C-14.5-15.0-072117

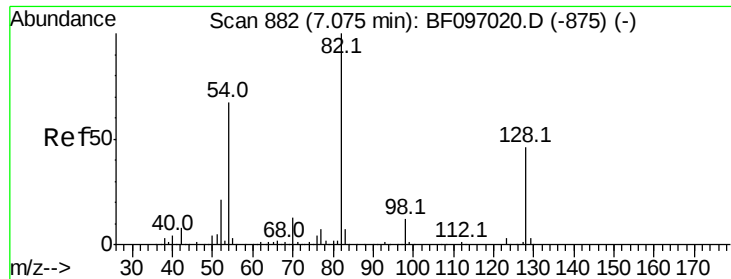
Tot Ion: 70 Resp: 70406
Ion Ratio Lower Upper
70 100
42 61.4 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Tgt Ion:136 Resp: 484334
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.5 4.9 7.3#
68 5.6 4.1 6.1

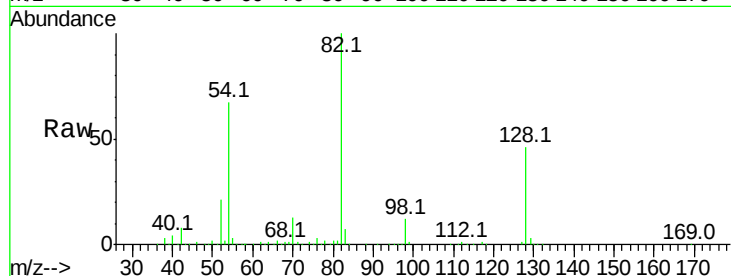




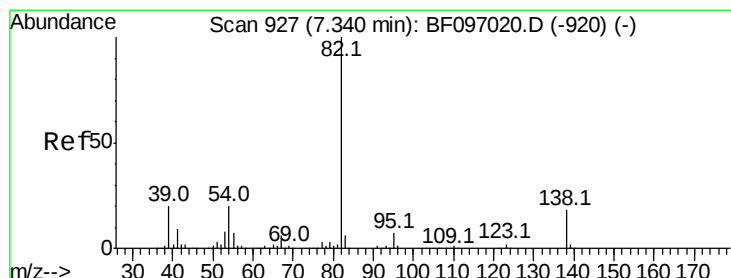
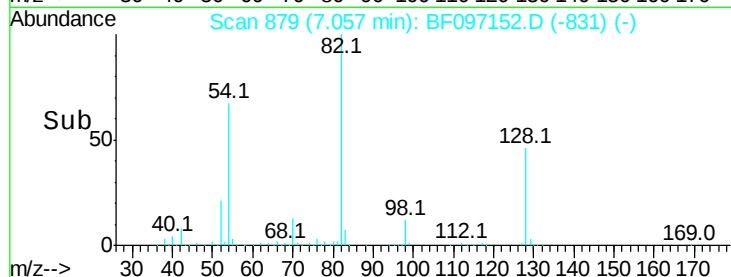
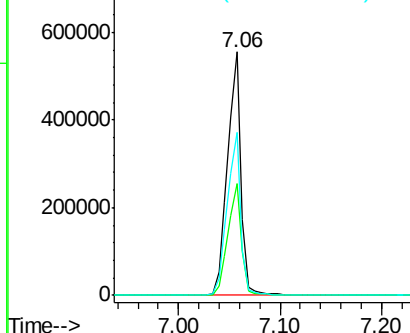
#23
 Nitrobenzene-d5
 Concen: 62.714 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 T-2C-14.5-15.0-072117

Tot Ion: 82 Resp: 517767
 Ion Ratio Lower Upper
 82 100
 128 46.0 34.0 51.0
 54 67.1 42.2 63.2#

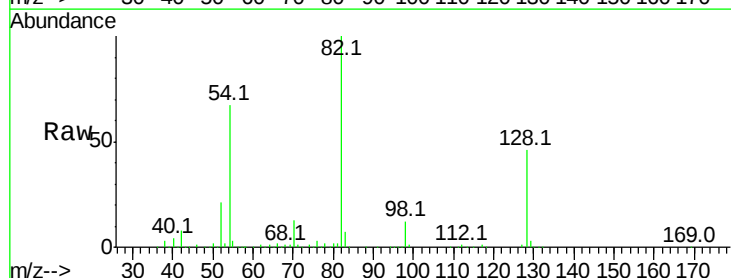


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

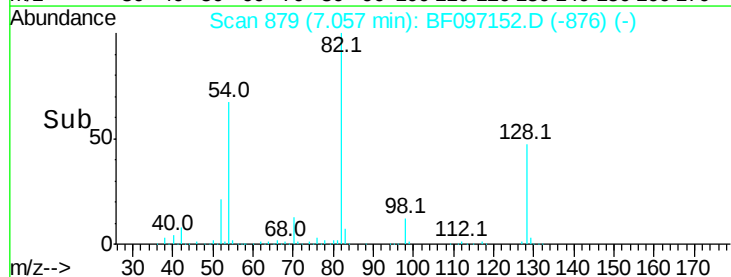
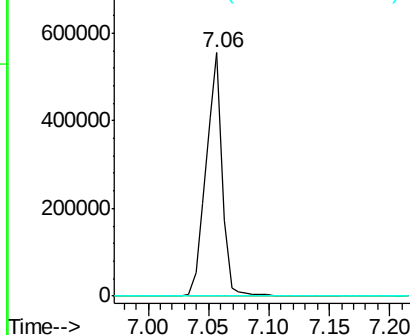


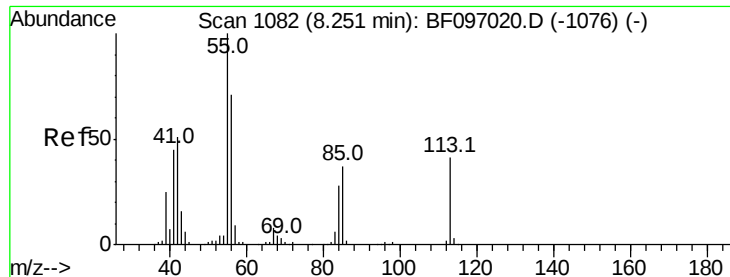
#25
 Isophorone
 Concen: 31.621 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

Tgt Ion: 82 Resp: 511261
 Ion Ratio Lower Upper
 82 100
 95 0.1 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





#35

Caprolactam

Concen: 2.687 ng

RT: 8.22 min Scan# 1076

Delta R.T. -0.04 min

Lab File: BF097152.D

Acq: 28 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

T-2C-14.5-15.0-072117

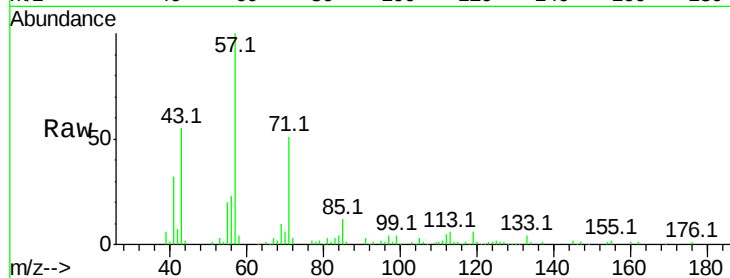
Tot Ion:113 Resp: 5696

Ion Ratio Lower Upper

113 100

55 322.0 150.2 190.2#

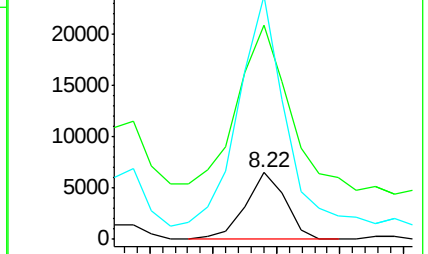
56 366.5 107.8 147.8#



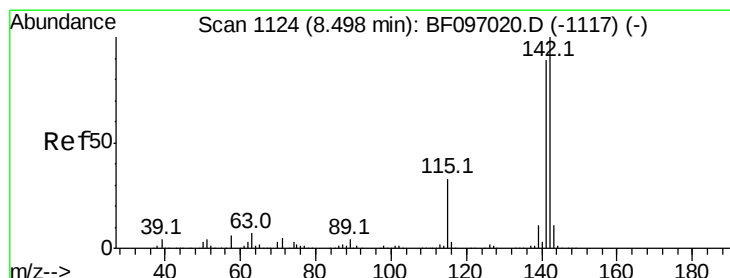
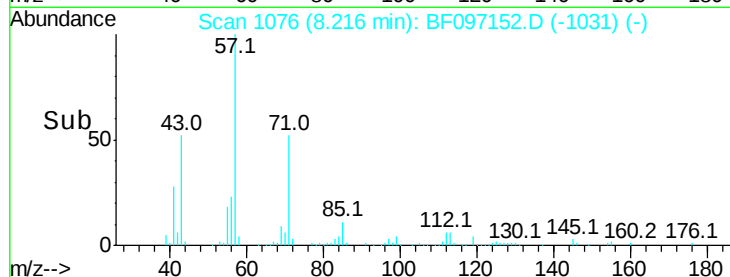
Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



Time-->



#37

2-Methylnaphthalene

Concen: 3.637 ng

RT: 8.48 min Scan# 1121

Delta R.T. -0.02 min

Lab File: BF097152.D

Acq: 28 Jul 2017 14:10

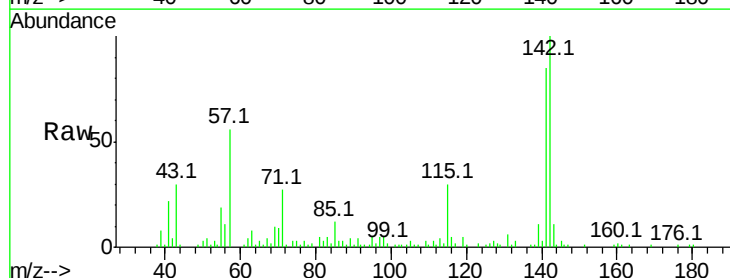
Tgt Ion:142 Resp: 52572

Ion Ratio Lower Upper

142 100

141 85.2 71.3 106.9

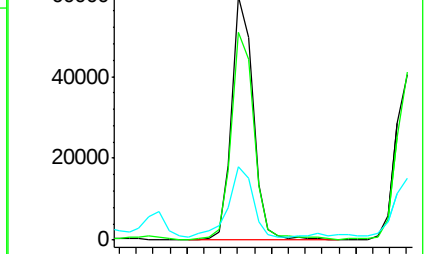
115 30.2 27.1 40.7



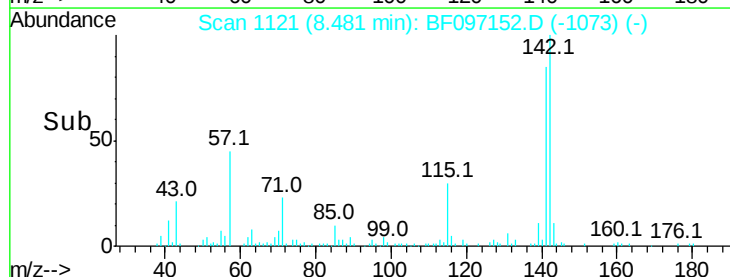
Abundance Ion 142.00 (141.70 to 142.70): E

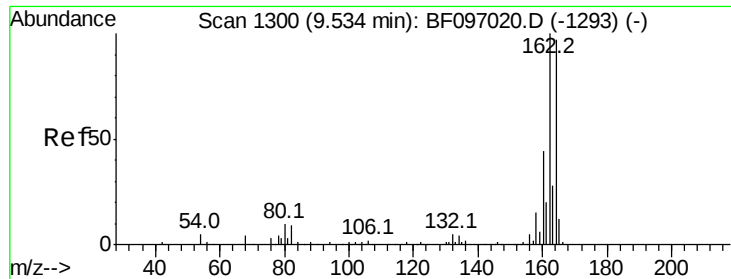
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->

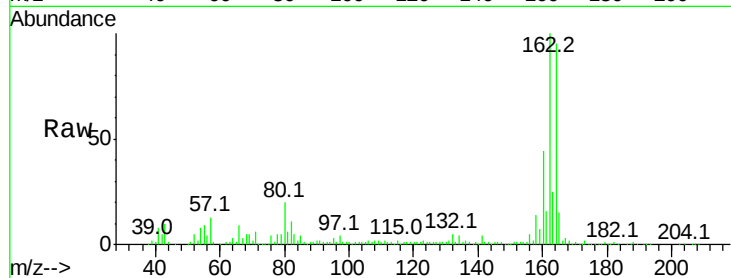




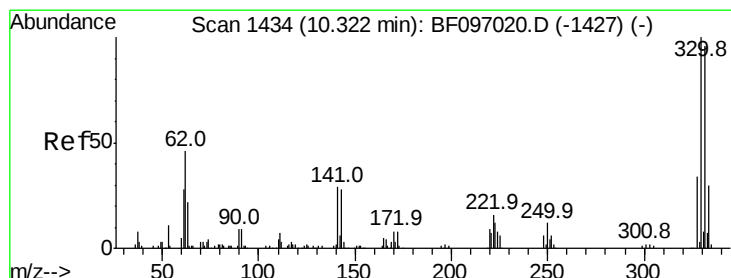
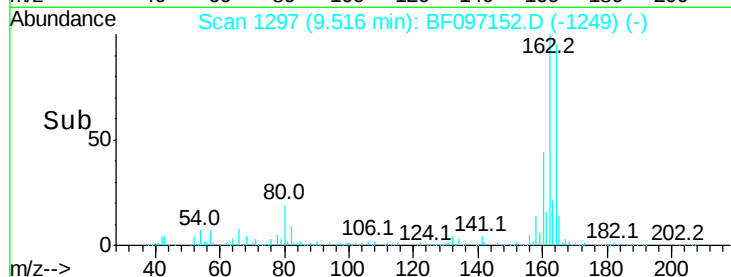
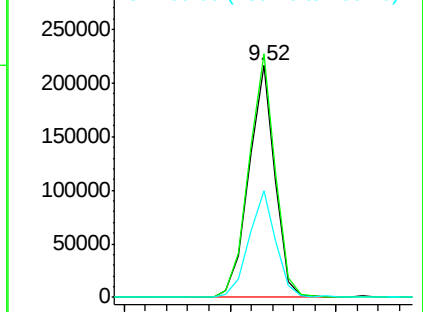
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 T-2C-14.5-15.0-072117

Tot Ion:164 Resp: 185223
 Ion Ratio Lower Upper
 164 100
 162 105.0 82.6 123.8
 160 46.1 36.2 54.2

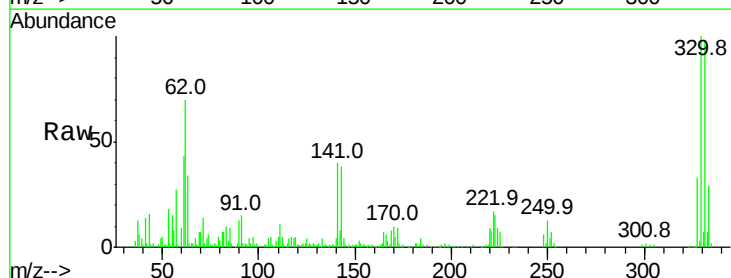


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

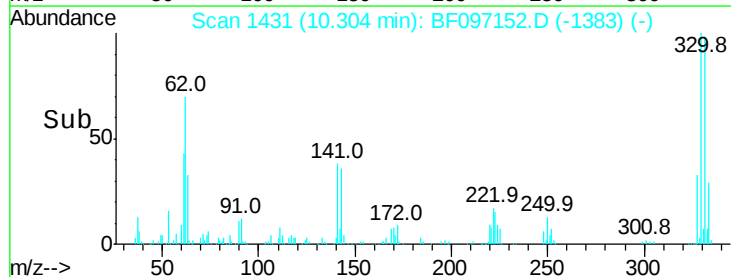
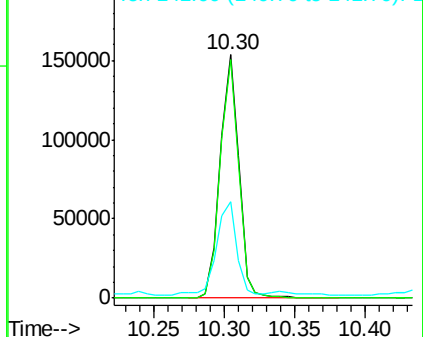


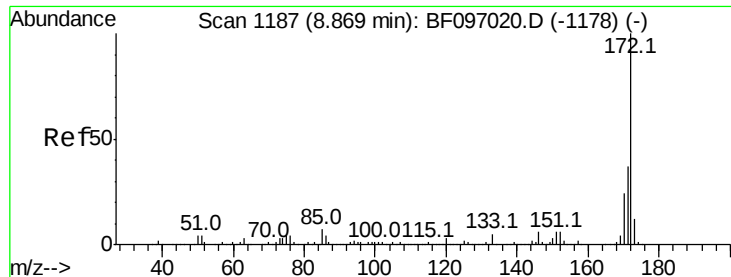
#41
 2,4,6-Tribromophenol
 Concen: 97.997 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

Tgt Ion:330 Resp: 143413
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 41.0 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

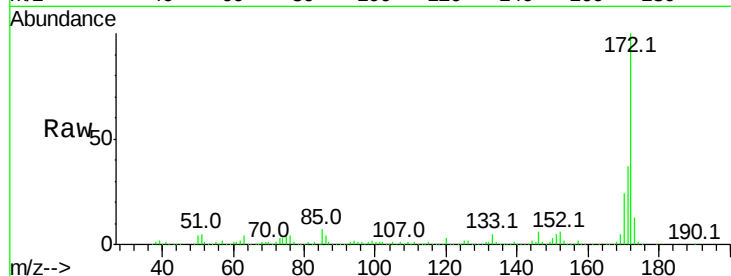




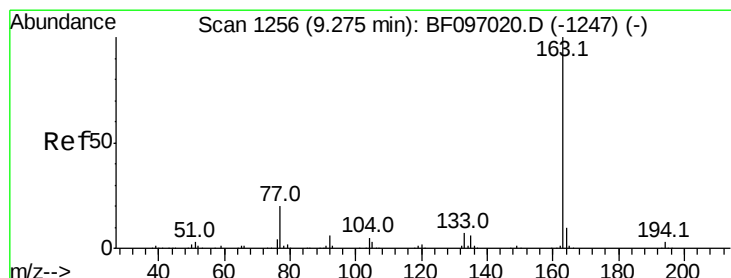
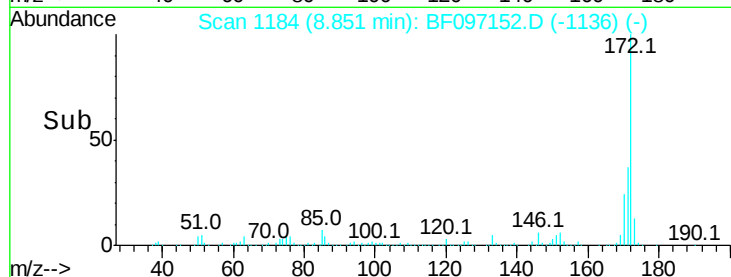
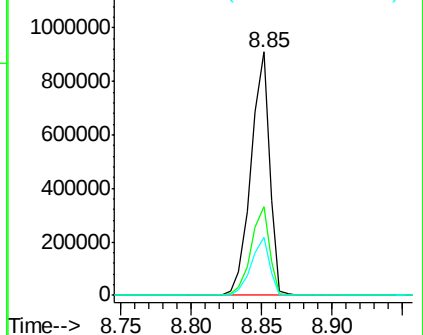
#44
2-Fluorobiphenyl
Concen: 77.562 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Instrument :
BNA_F
ClientSampleId :
T-2C-14.5-15.0-072117

Tot Ion:172 Resp: 846522
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.0 19.8 29.8

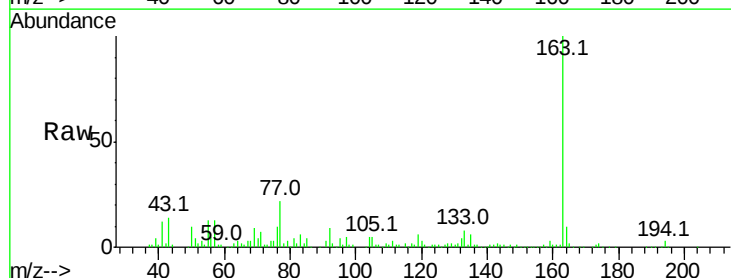


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

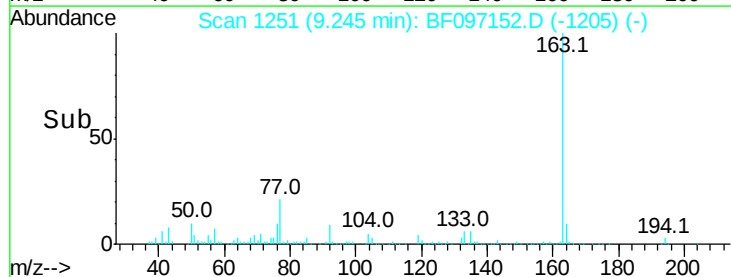
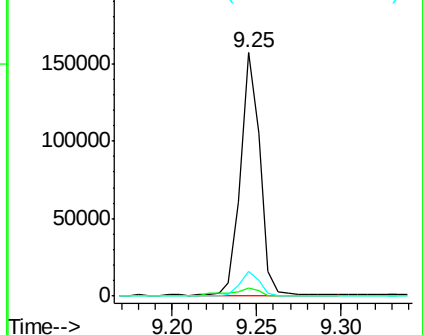


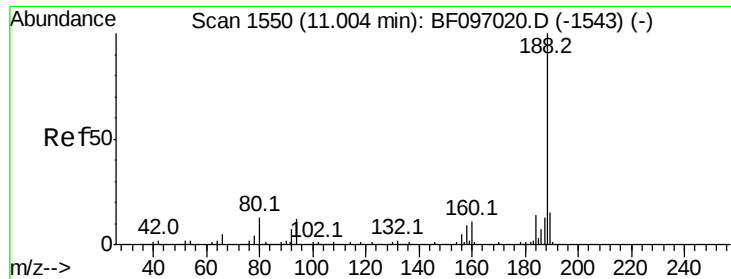
#49
Dimethylphthalate
Concen: 8.800 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Tgt Ion:163 Resp: 123777
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.3 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

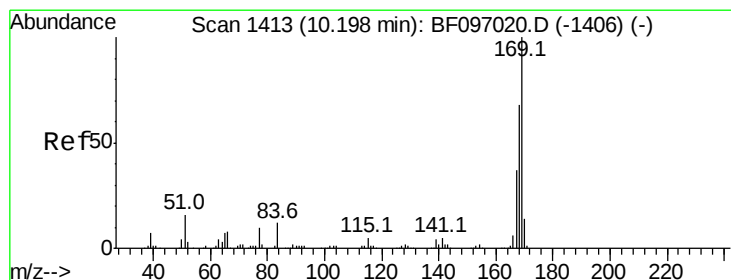
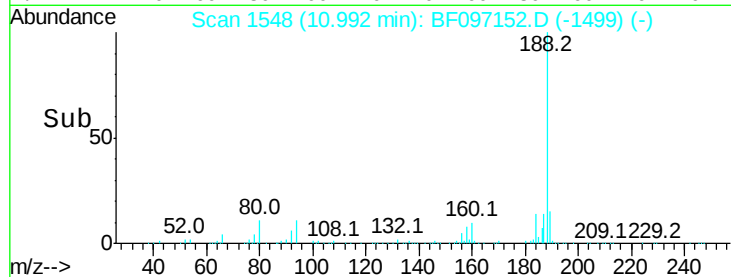
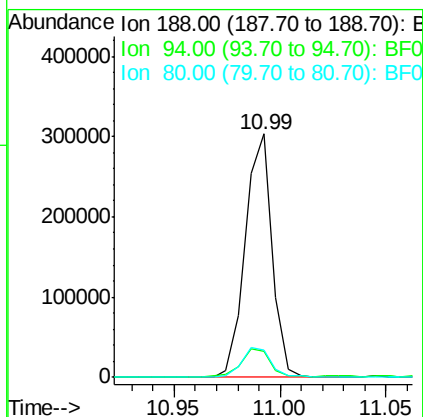
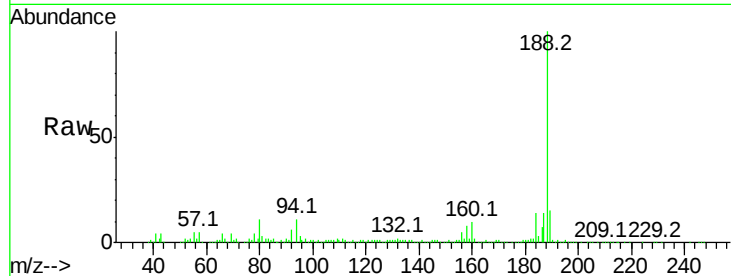




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

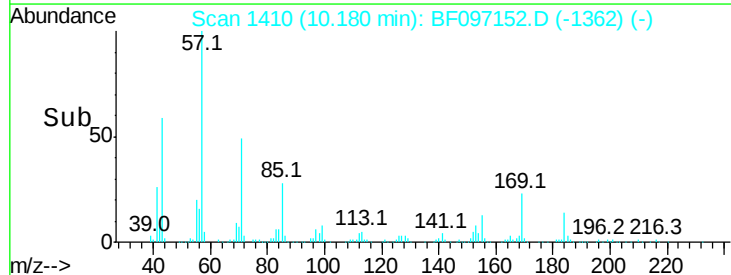
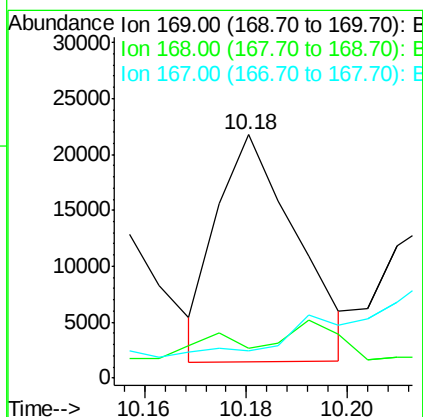
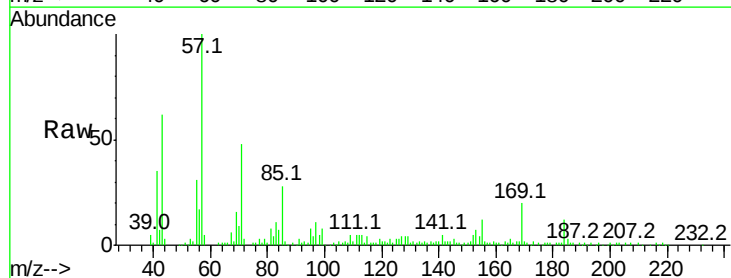
Instrument :
 BNA_F
 ClientSampleId :
 T-2C-14.5-15.0-072117

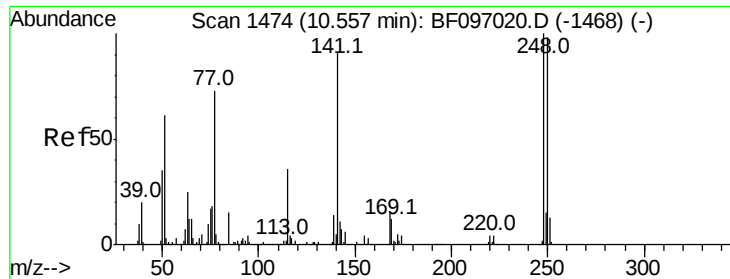
Tot Ion:188 Resp: 267439
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.0 10.2 15.2



#65
 n-Nitrosodiphenylamine
 Concen: 2.379 ng
 RT: 10.18 min Scan# 1410
 Delta R.T. -0.02 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

Tgt Ion:169 Resp: 22134
 Ion Ratio Lower Upper
 169 100
 168 12.2 53.2 79.8#
 167 11.2 29.5 44.3#

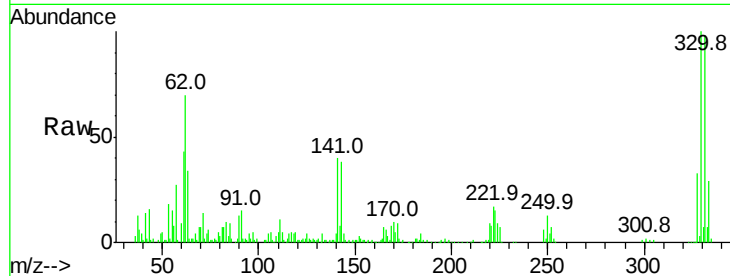




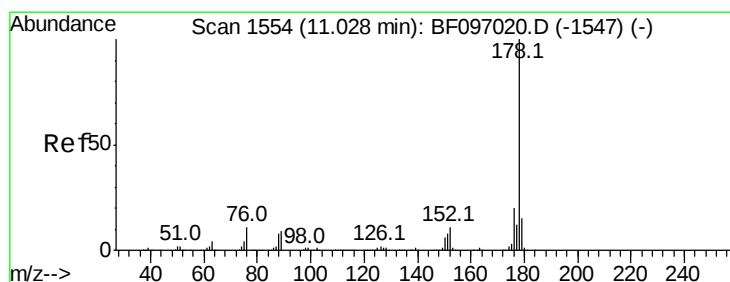
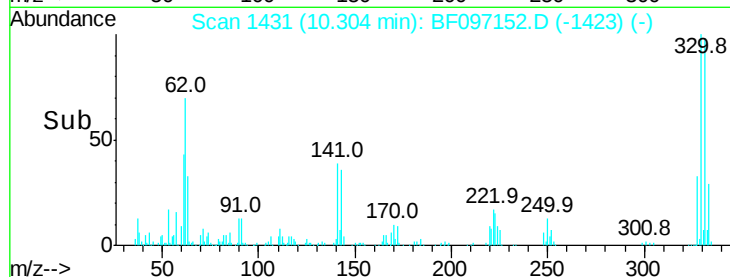
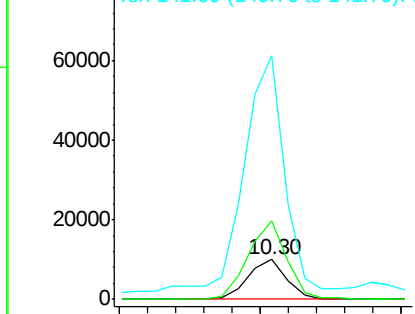
#66
4-Bromophenyl-phenylether
Concen: 3.499 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Instrument :
BNA_F
ClientSampleId :
T-2C-14.5-15.0-072117

Tot Ion:248 Resp: 9339
Ion Ratio Lower Upper
248 100
250 199.0 76.8 115.2#
141 615.9 68.6 103.0#

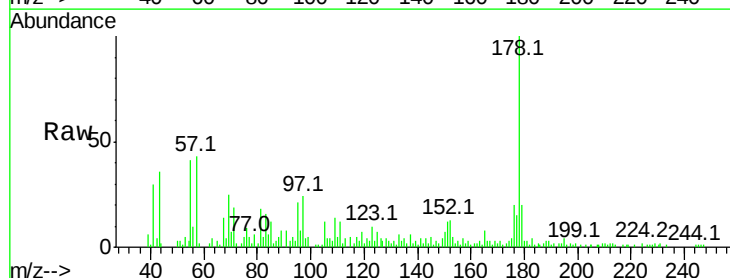


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

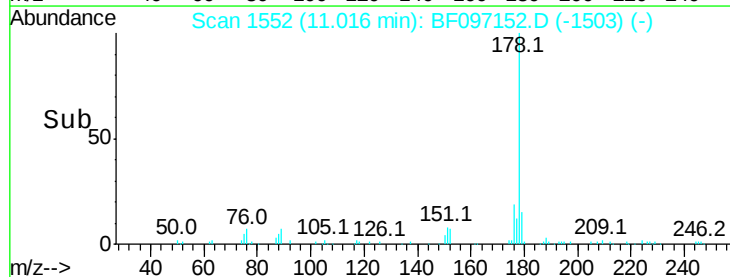
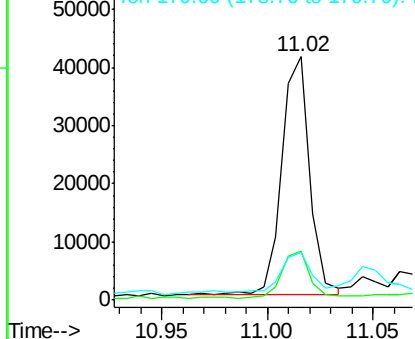


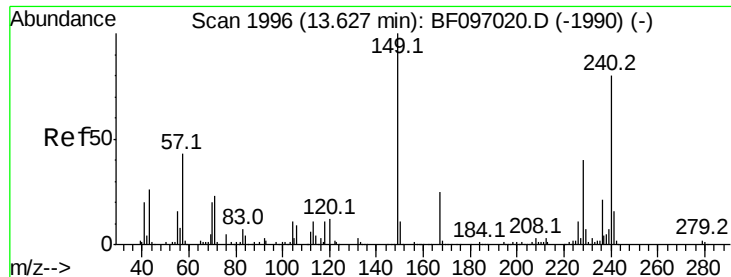
#70
Phenanthrene
Concen: 2.647 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF097152.D
Acq: 28 Jul 2017 14:10

Tgt Ion:178 Resp: 37924
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 19.6 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097152.D

Acq: 28 Jul 2017 14:10

Instrument :

BNA_F

ClientSampleId :

T-2C-14.5-15.0-072117

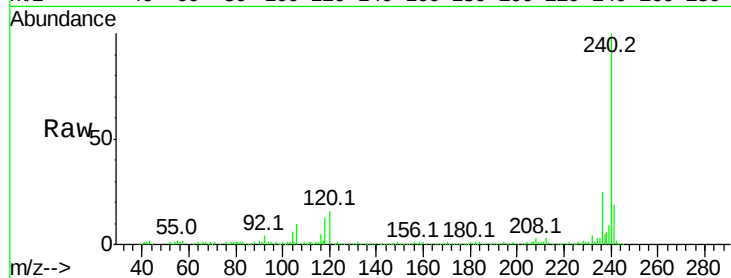
Tot Ion:240 Resp: 218406

Ion Ratio Lower Upper

240 100

120 16.3 5.8 8.8#

236 25.2 20.5 30.7

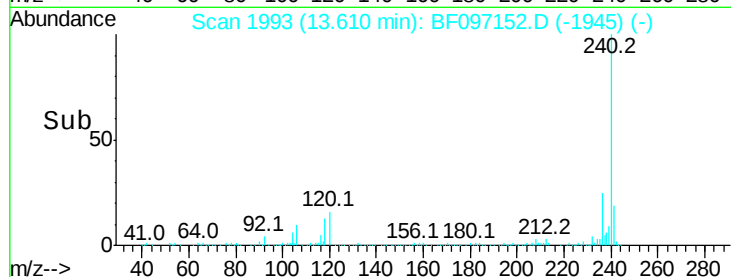


Abundance Ion 240.00 (239.70 to 240.70): E

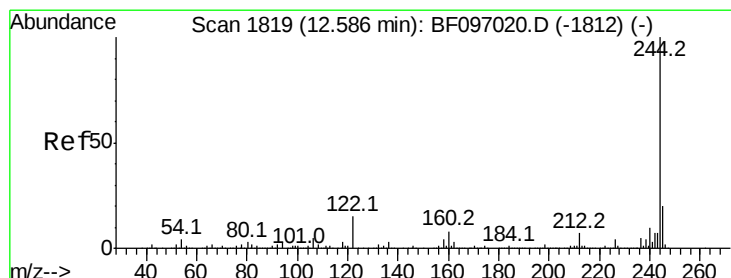
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 46.651 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097152.D

Acq: 28 Jul 2017 14:10

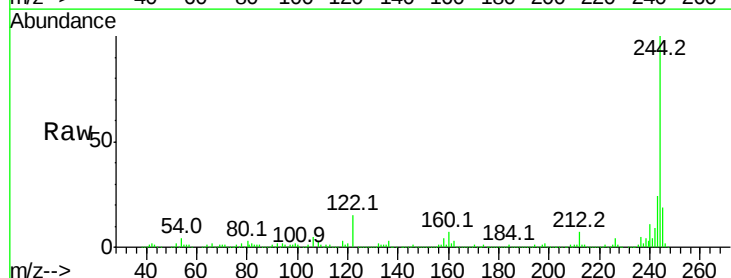
Tgt Ion:244 Resp: 499739

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 14.6 10.3 15.5

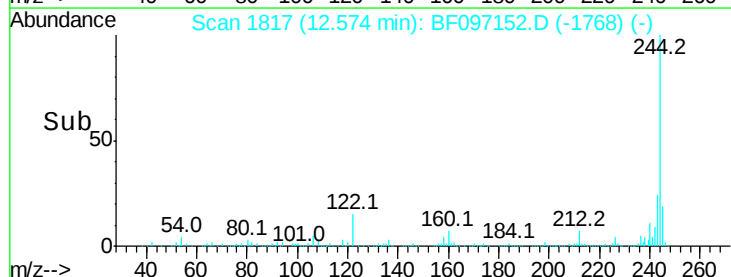


Abundance Ion 244.00 (243.70 to 244.70): E

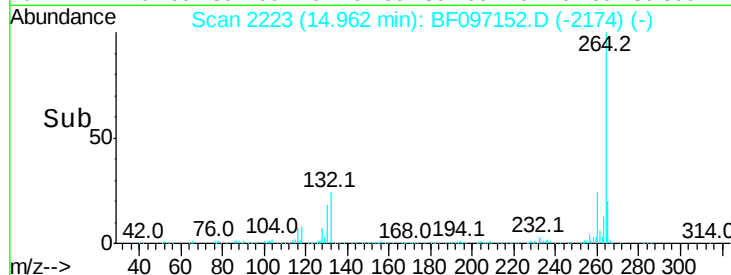
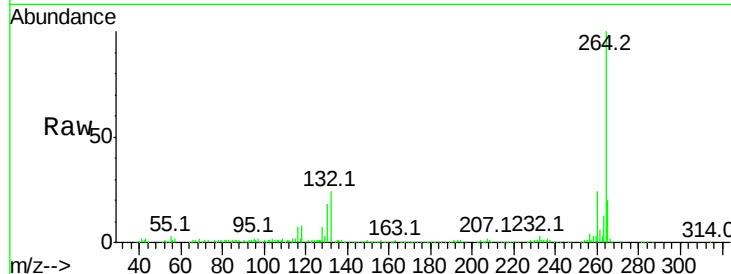
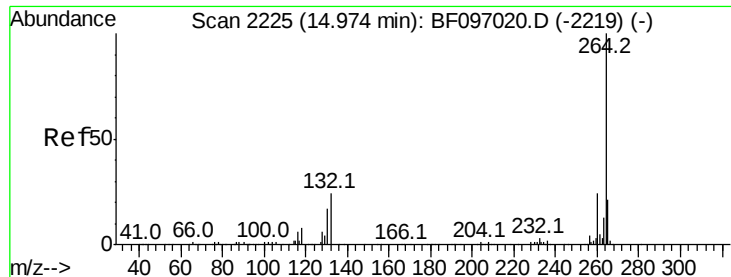
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097152.D
 Acq: 28 Jul 2017 14:10

Instrument :
 BNA_F
 ClientSampleId :
 T-2C-14.5-15.0-072117

Tot Ion:	264	Resp:	188660
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.5	29.3
265	20.4	17.2	25.8

