

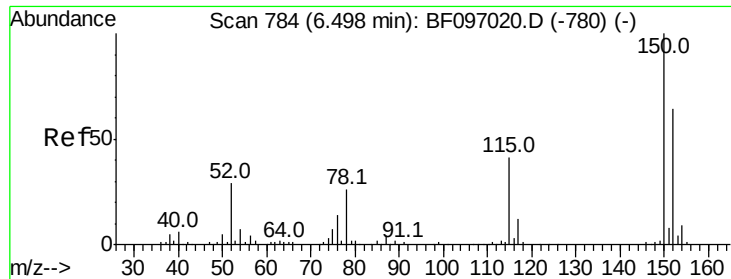
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097102.D
 Acq On : 27 Jul 2017 3:43
 Operator : SJ/JU
 Sample : I4414-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 08:22:35 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	6.50	152	89192	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	362925	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	139820	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	202975	20.00	ng	0.00
75) Chrysene-d12	13.63	240	180112	20.00	ng	0.00
86) Perylene-d12	14.98	264	130327	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	638403	107.90	ng	0.00
7) Phenol-d6	6.16	99	759833	112.49	ng	-0.01
23) Nitrobenzene-d5	7.06	82	430979	69.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	114881	103.99	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	628600	76.30	ng	-0.01
78) Terphenyl-d14	12.59	244	465609	52.71	ng	0.00
Target Compounds						
10) Phenol	6.17	94	26527	3.311	ng	95
19) n-Nitroso-di-n-propylamine	7.06	70	57995	13.044	ng	# 88
25) Isophorone	7.06	82	425125	35.089	ng	# 67
49) Dimethylphthalate	9.26	163	77726	7.320	ng	99
56) 2,4-Dinitrotoluene	9.52	165	17797	6.875	ng	# 31
66) 4-Bromophenyl-phenylether	10.31	248	7381	3.644	ng	# 1
74) Fluoranthene	12.20	202	34398	3.229	ng	94
77) Pyrene	12.43	202	32296	2.190	ng	98
87) Benzo(b)fluoranthene	14.62	252	18556	2.369	ng	# 76
88) Benzo(k)fluoranthene	14.62	252	18556	2.486	ng	# 80

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

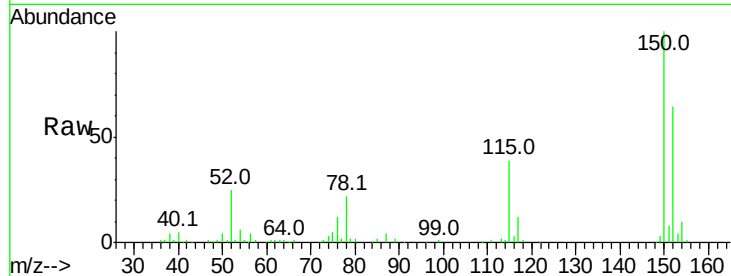


#1

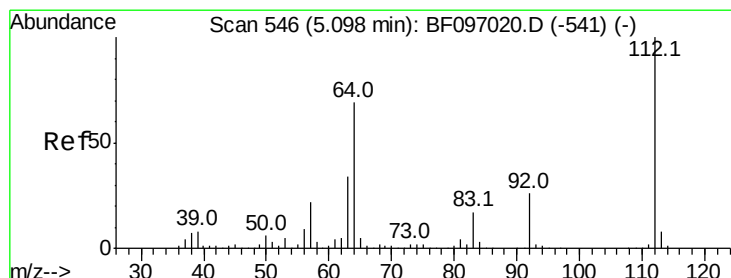
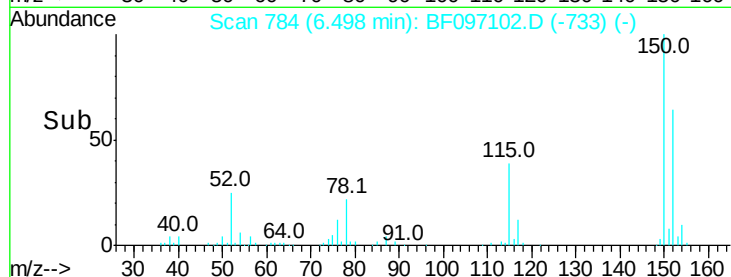
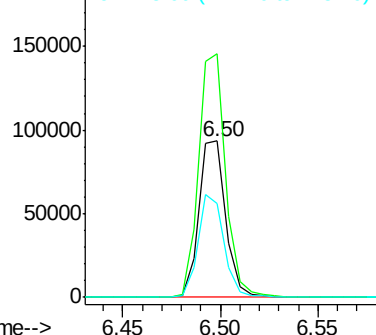
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89192
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 60.1 52.2 78.2



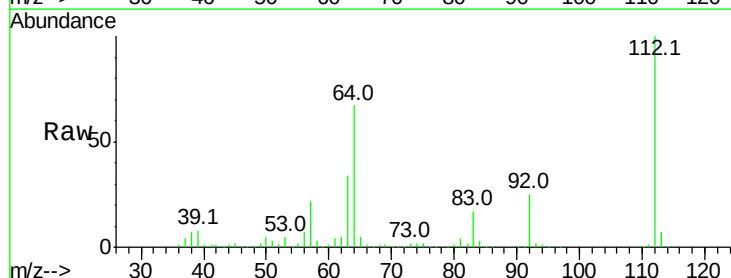
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



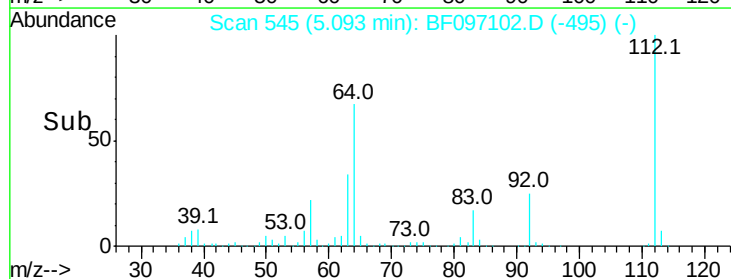
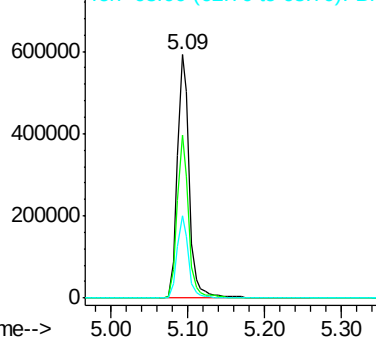
#5

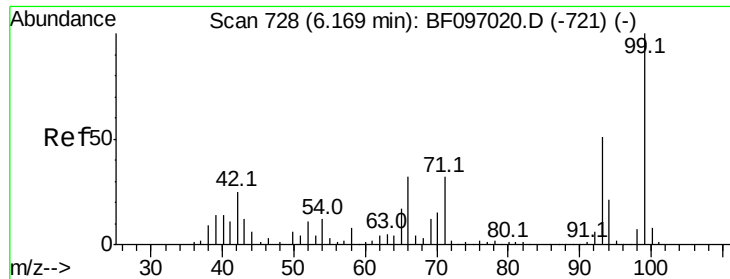
2-Fluorophenol
Concen: 107.900 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Tgt Ion:112 Resp: 638403
Ion Ratio Lower Upper
112 100
64 66.7 46.0 69.0
63 33.6 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: 112.493 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

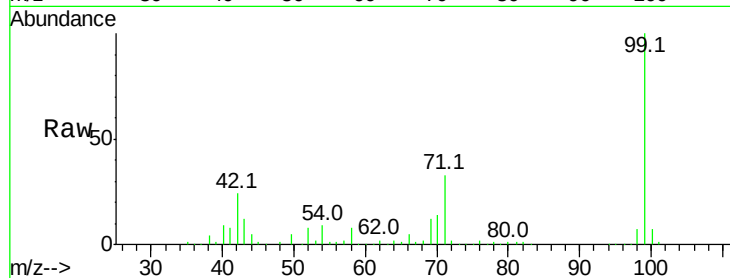
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 759833

Ion	Ratio	Lower	Upper
99	100		
42	23.8	13.5	20.3#
71	32.6	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

6.16

800000

600000

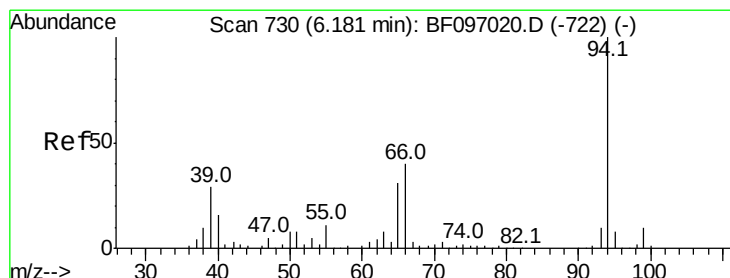
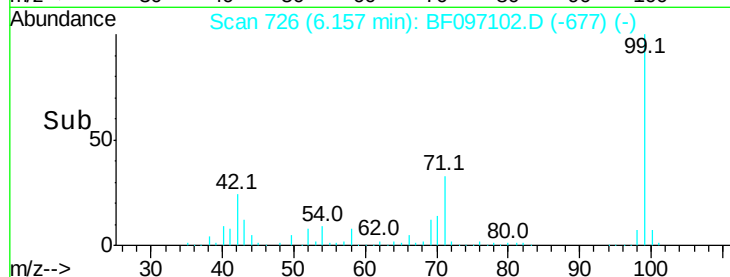
400000

200000

0

6.10 6.15 6.20 6.25

Time-->



#10

Phenol

Concen: 3.311 ng

RT: 6.17 min Scan# 728

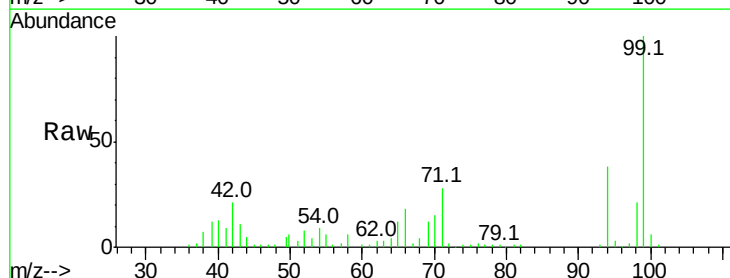
Delta R.T. -0.01 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

Tgt Ion: 94 Resp: 26527

Ion	Ratio	Lower	Upper
94	100		
65	31.1	9.9	49.9
66	47.4	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

250000

200000

150000

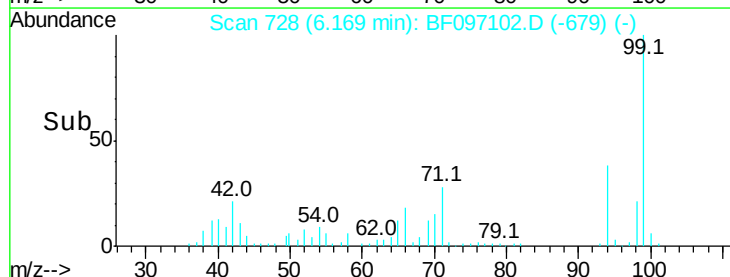
100000

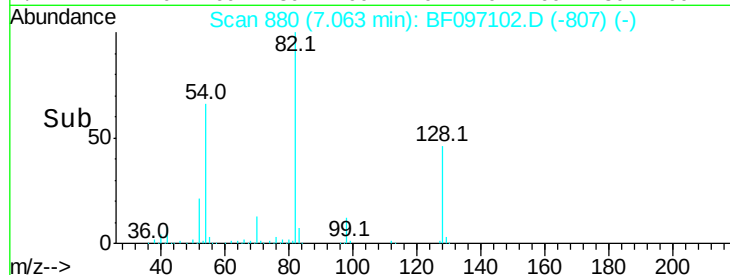
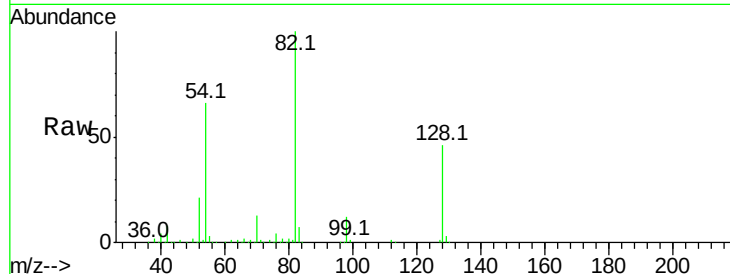
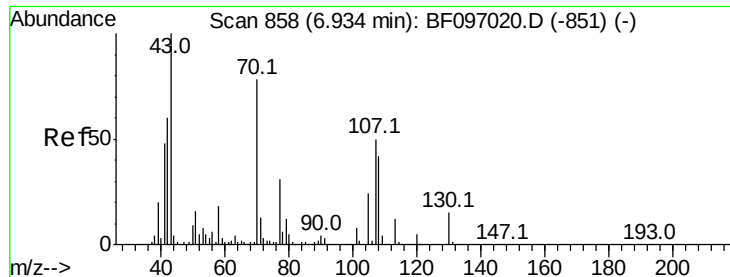
50000

0

6.15 6.20 6.25

Time-->

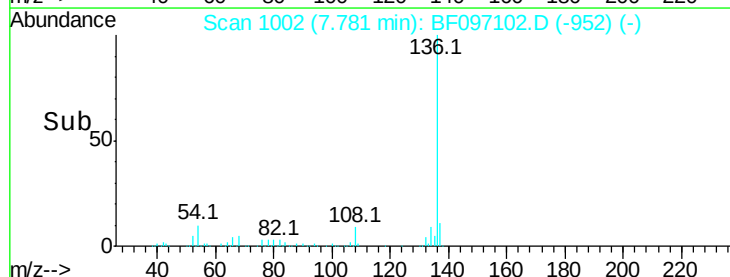
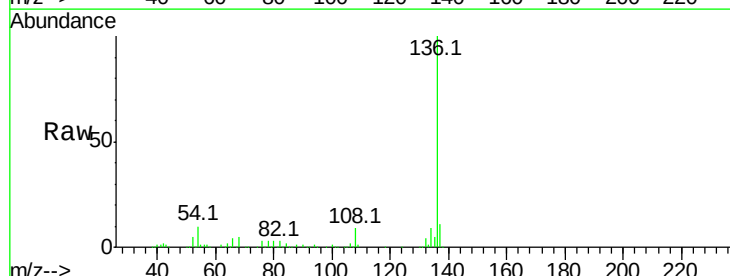
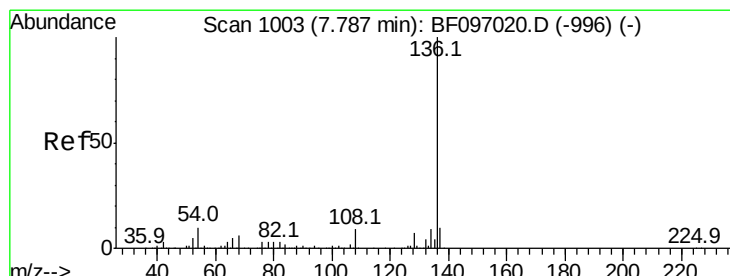
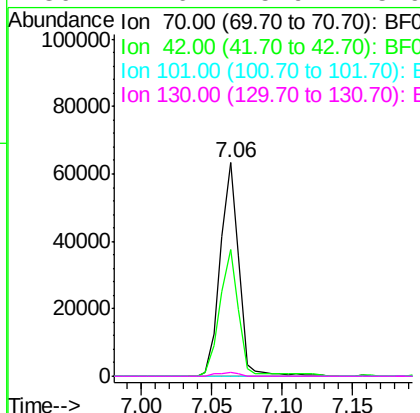




#19
n-Nitroso-di-n-propylamine
Concen: 13.044 ng
RT: 7.06 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

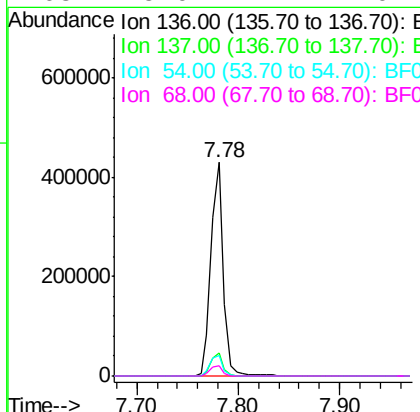
Instrument :
BNA_F
ClientSampled :

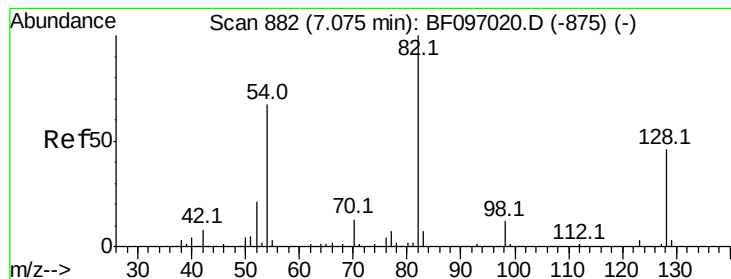
Tot Ion: 70 Resp: 57995
Ion Ratio Lower Upper
70 100
42 59.5 47.2 70.8
101 0.0 7.2 10.8#
130 1.6 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Tgt Ion:136 Resp: 362925
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 9.6 4.9 7.3#
68 5.0 4.1 6.1





#23

Nitrobenzene-d5

Concen: 69.664 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

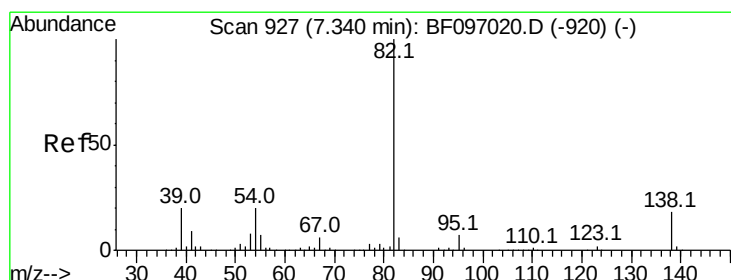
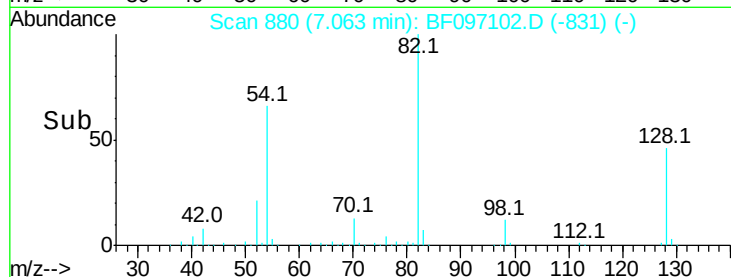
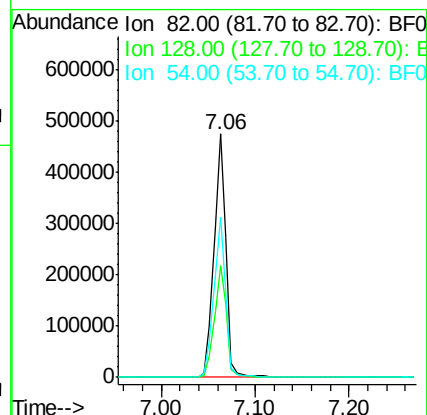
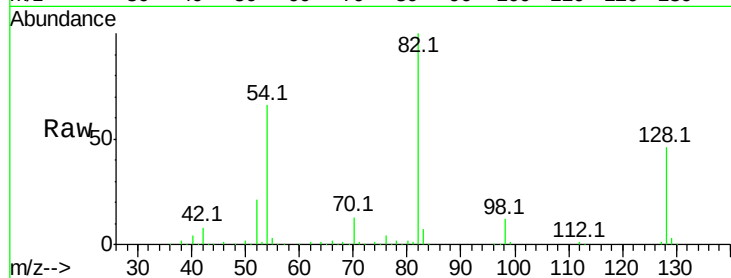
Tot Ion: 82 Resp: 430979

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

54 66.0 42.2 63.2#



#25

Isophorone

Concen: 35.089 ng

RT: 7.06 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

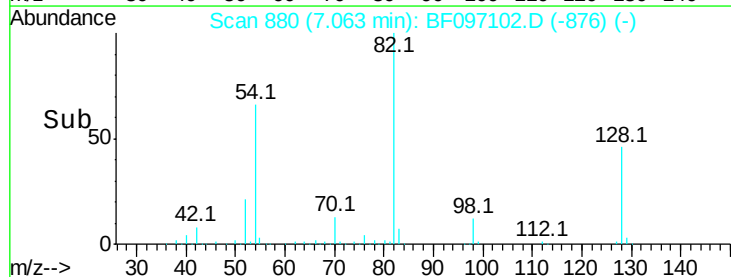
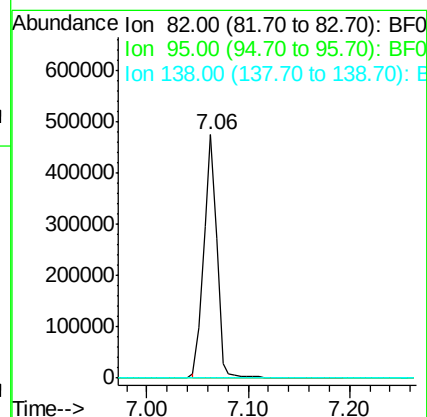
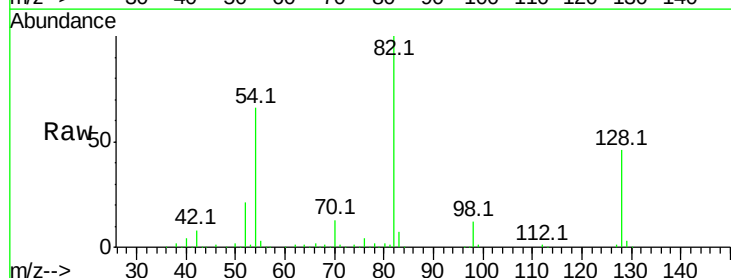
Tgt Ion: 82 Resp: 425125

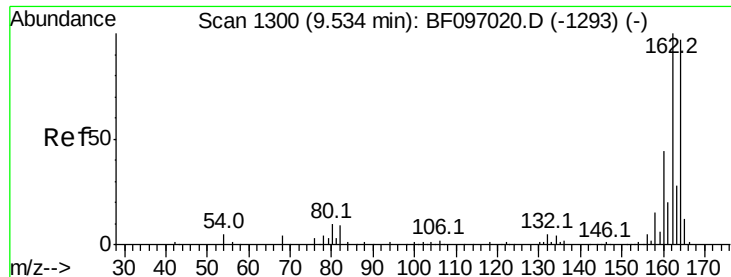
Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#

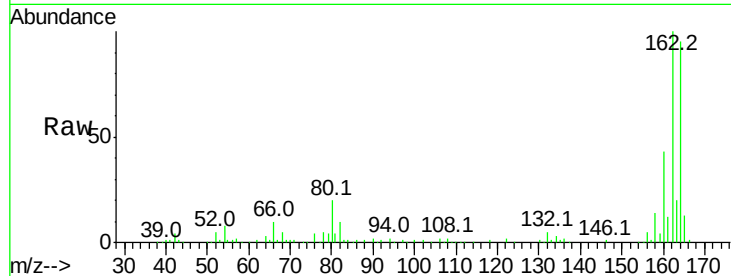




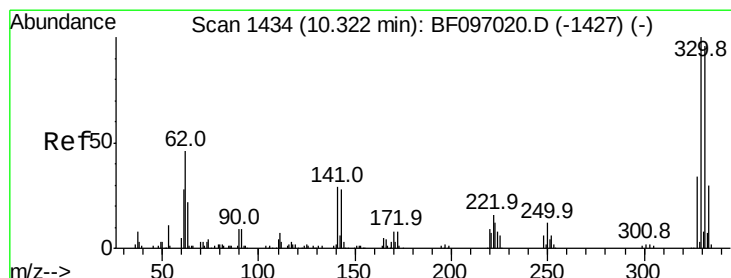
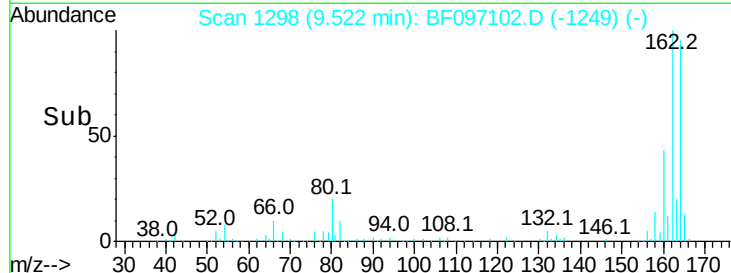
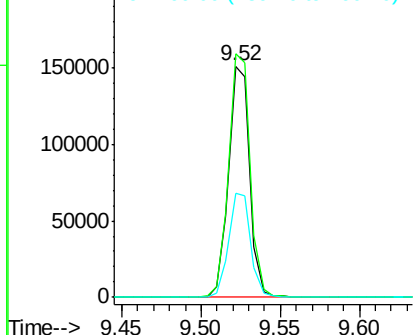
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 139820
Ion Ratio Lower Upper
164 100
162 105.3 82.6 123.8
160 45.0 36.2 54.2

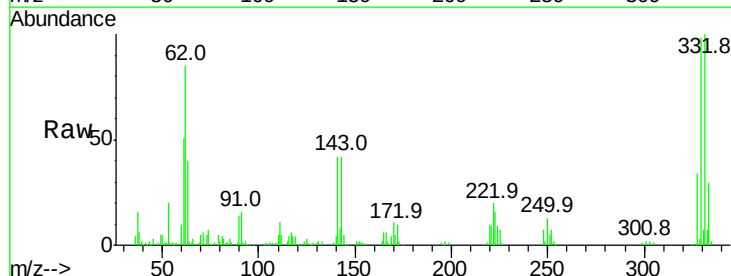


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

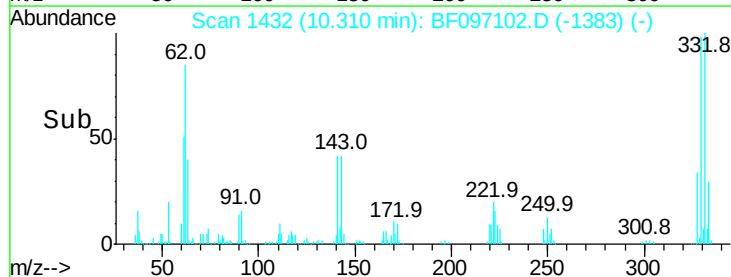
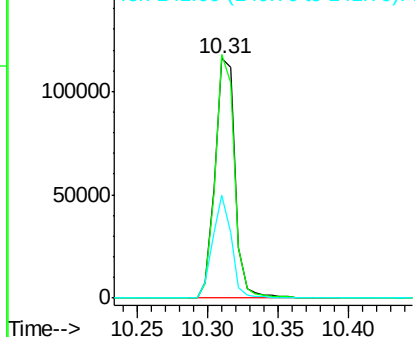


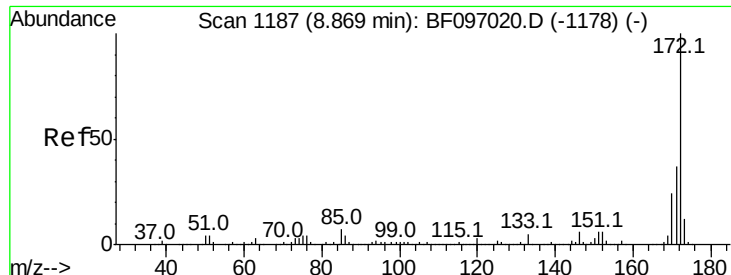
#41
2,4,6-Tribromophenol
Concen: 103.992 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Tgt Ion:330 Resp: 114881
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 39.9 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

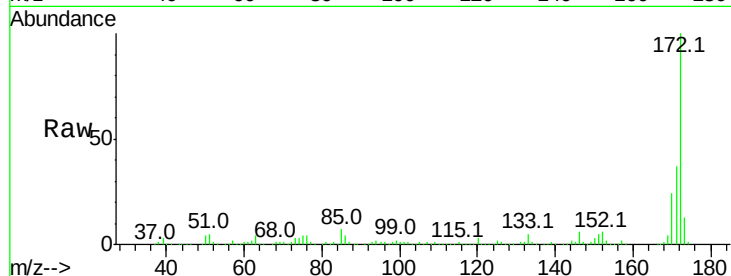




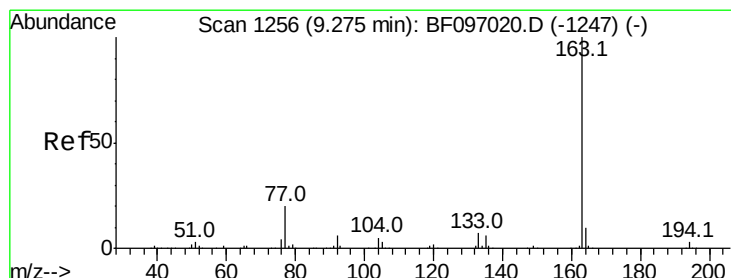
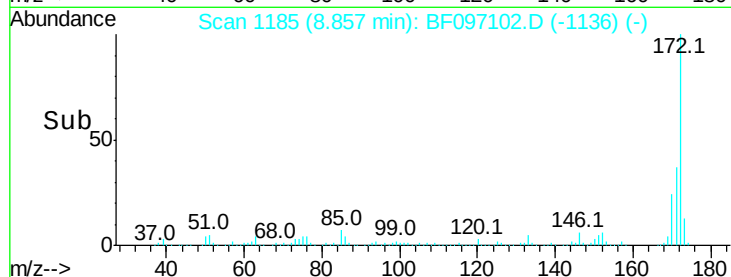
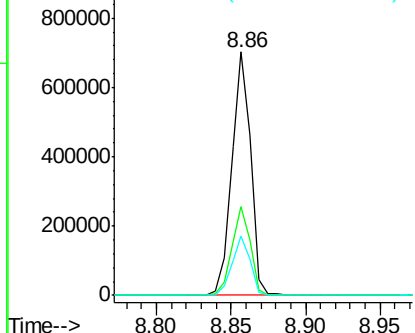
#44
2-Fluorobiphenyl
Concen: 76.298 ng
RT: 8.86 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	24.4	19.8	29.8

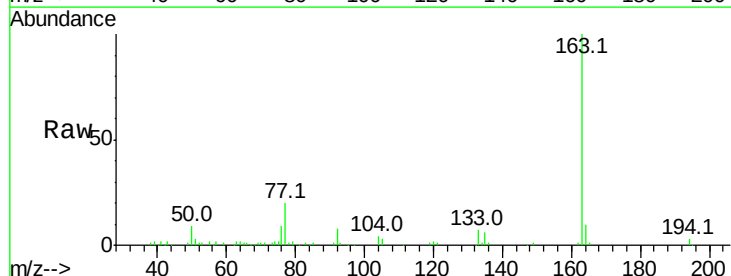


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

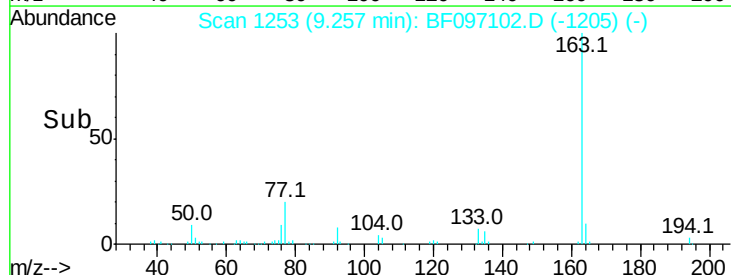
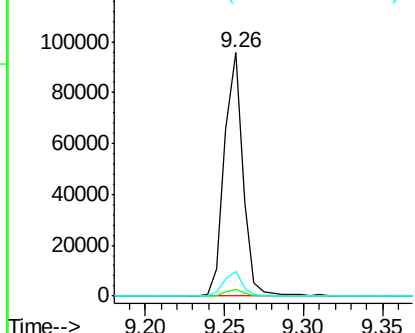


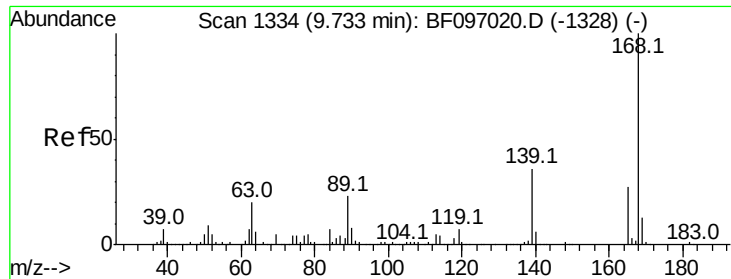
#49
Dimethylphthalate
Concen: 7.320 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.2	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

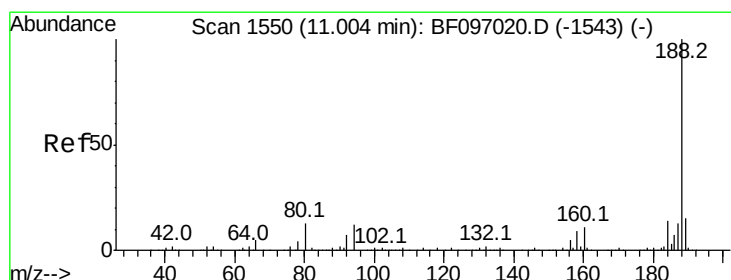
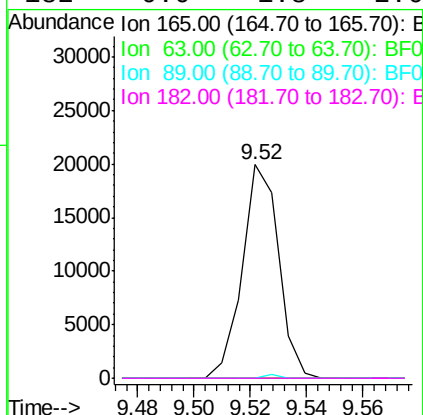
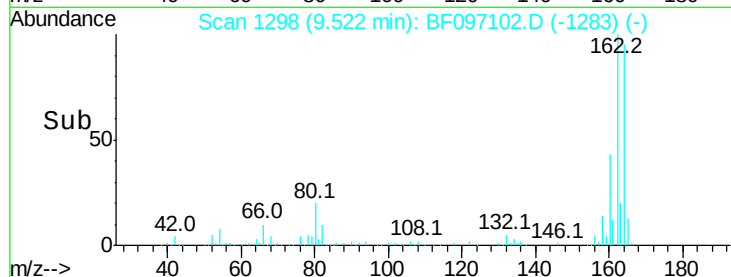
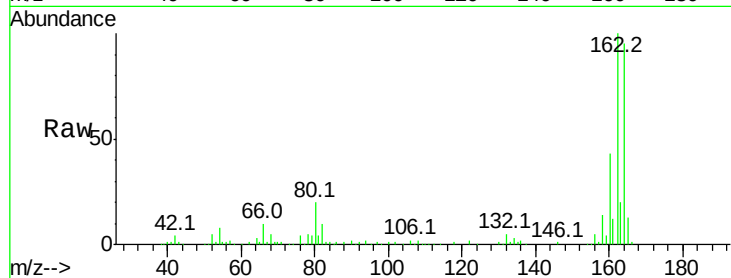




#56
 2,4-Dinitrotoluene
 Concen: 6.875 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF097102.D
 Acq: 27 Jul 2017 3:43

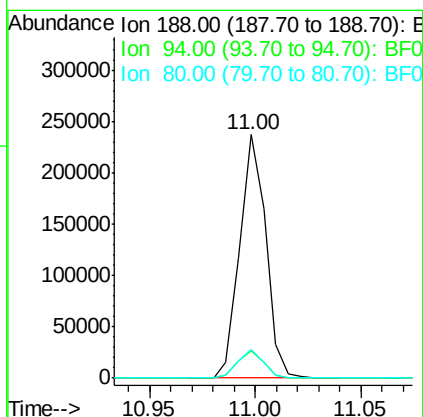
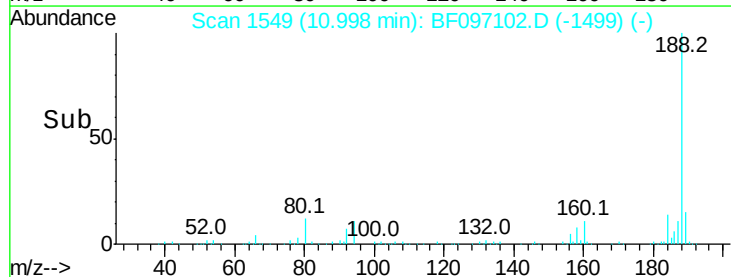
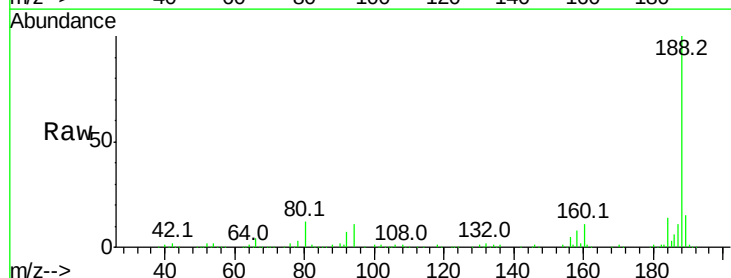
Instrument :
 BNA_F
 ClientSampleId :

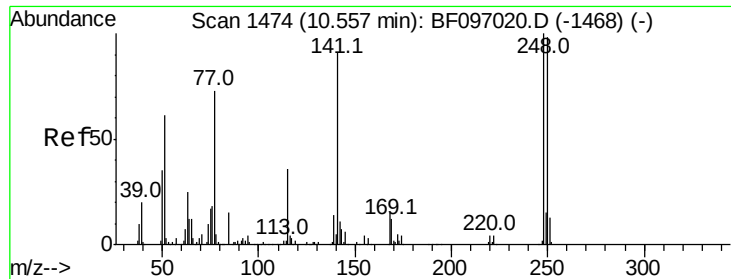
Tot Ion:165 Resp: 17797
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097102.D
 Acq: 27 Jul 2017 3:43

Tgt Ion:188 Resp: 202975
 Ion Ratio Lower Upper
 188 100
 94 11.4 9.4 14.2
 80 11.7 10.2 15.2

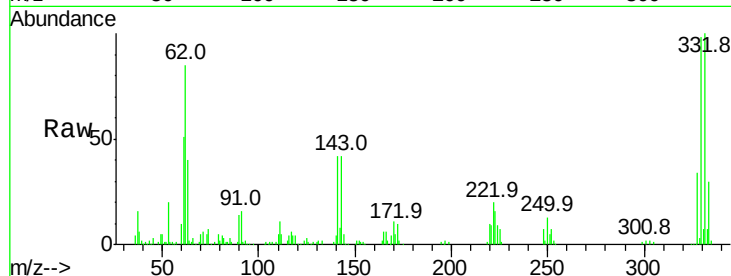




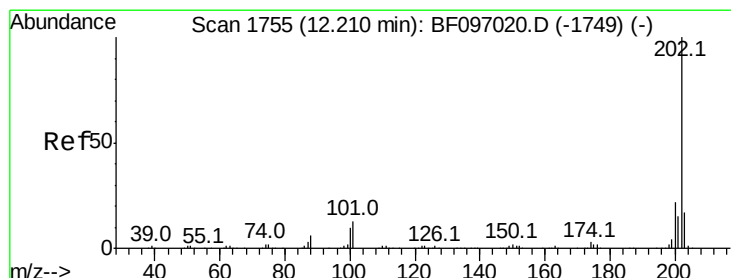
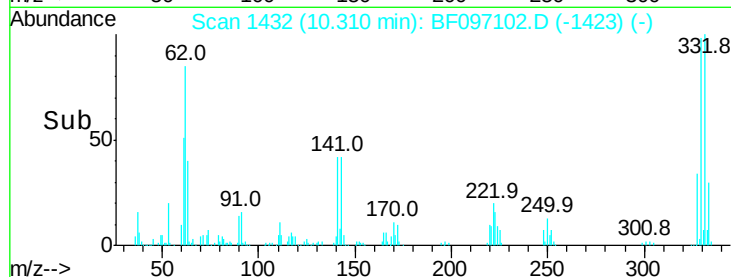
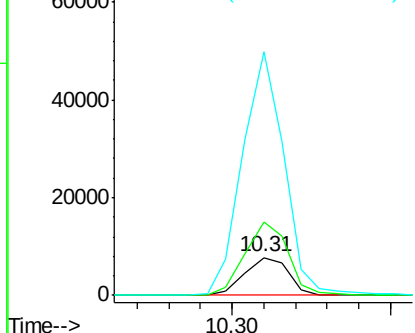
#66
 4-Bromophenyl-phenylether
 Concen: 3.644 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF097102.D
 Acq: 27 Jul 2017 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7381
 Ion Ratio Lower Upper
 248 100
 250 195.7 76.8 115.2#
 141 646.7 68.6 103.0#

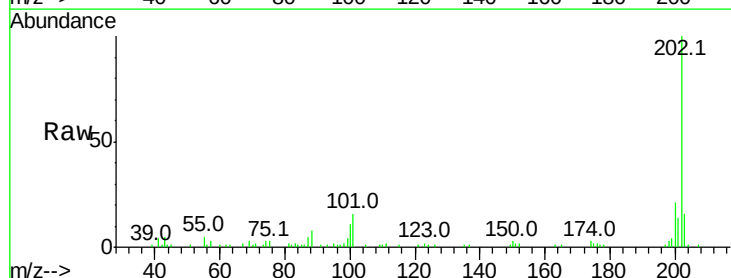


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

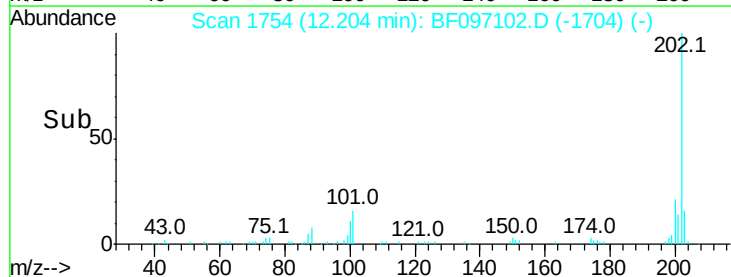
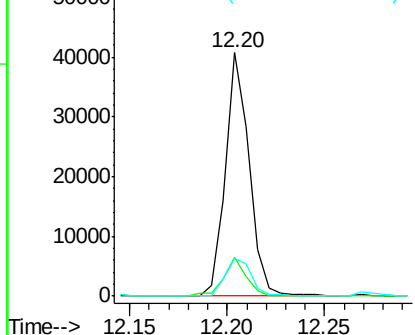


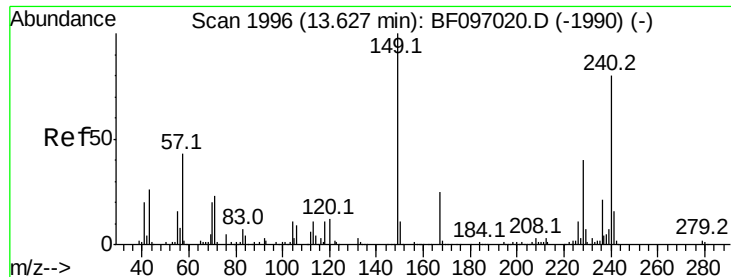
#74
 Fluoranthene
 Concen: 3.229 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097102.D
 Acq: 27 Jul 2017 3:43

Tgt Ion:202 Resp: 34398
 Ion Ratio Lower Upper
 202 100
 101 15.9 0.0 33.2
 203 15.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

Instrument :

BNA_F

ClientSampled :

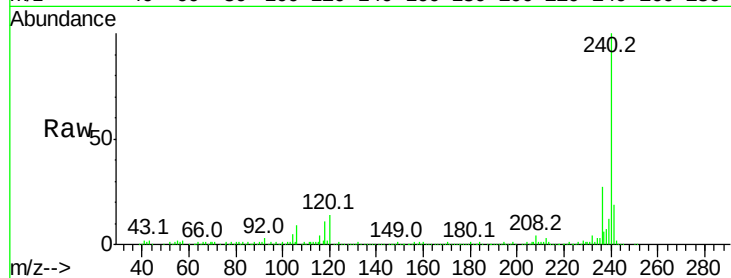
Tot Ion:240 Resp: 180112

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

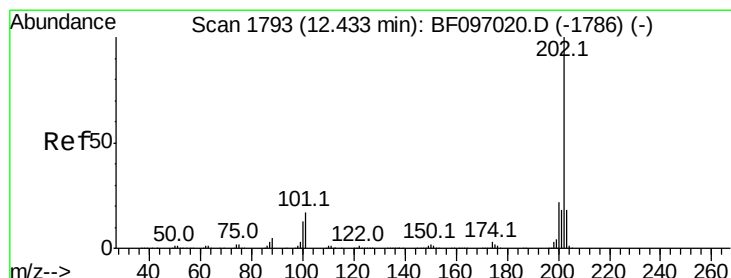
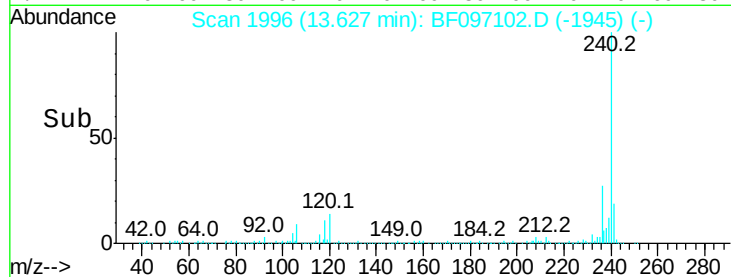
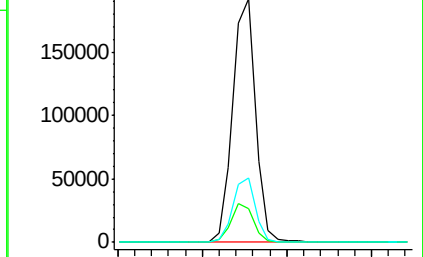
236 26.7 20.5 30.7



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



#77

Pyrene

Concen: 2.190 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

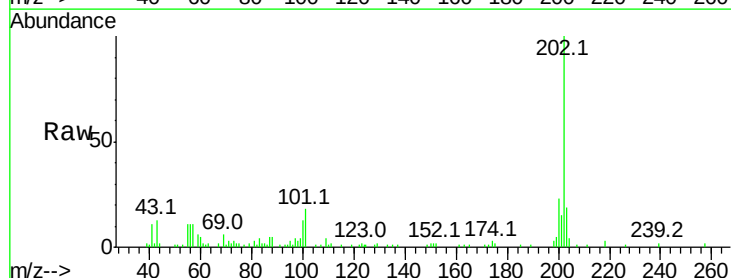
Tgt Ion:202 Resp: 32296

Ion Ratio Lower Upper

202 100

200 22.5 17.6 26.4

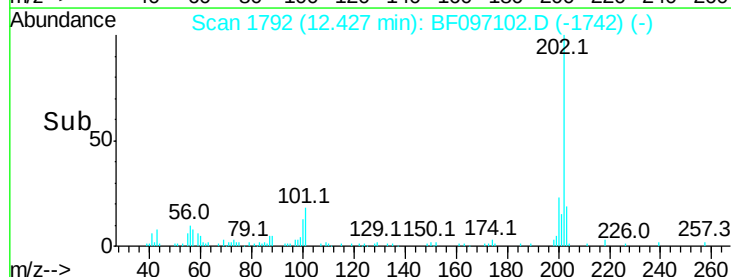
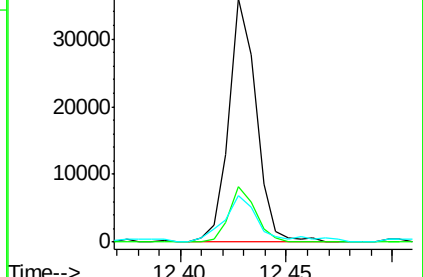
203 19.0 14.4 21.6

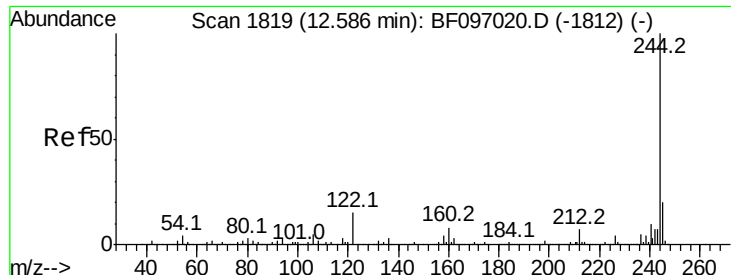


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.707 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

Instrument :

BNA_F

ClientSampleId :

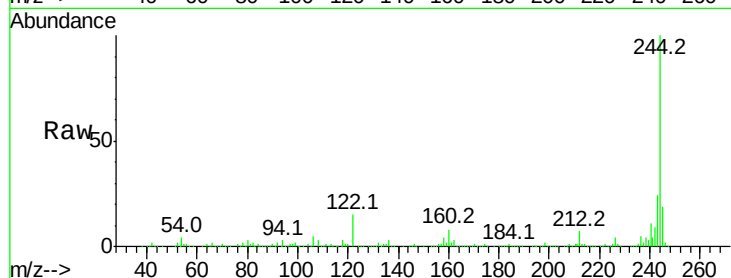
Tot Ion:244 Resp: 465609

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

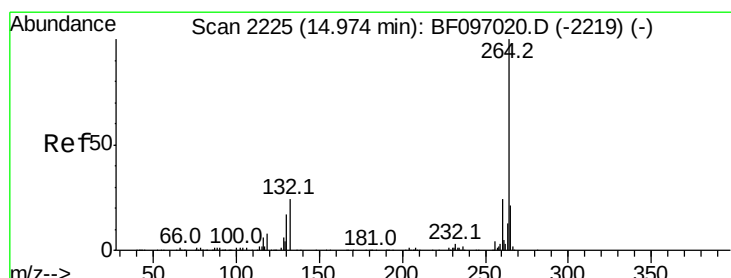
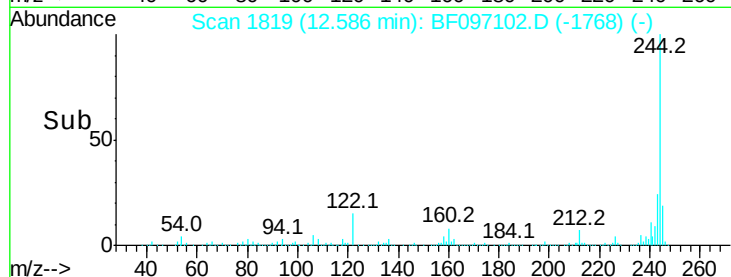
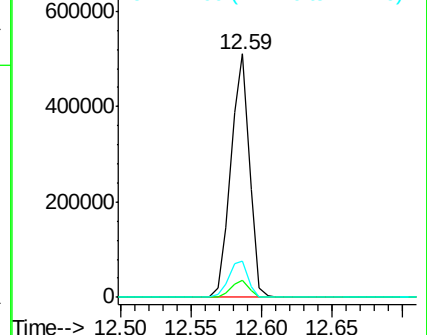
122 14.7 10.3 15.5



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: 14.98 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF097102.D

Acq: 27 Jul 2017 3:43

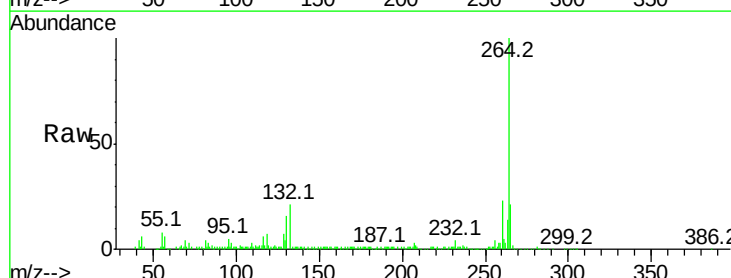
Tgt Ion:264 Resp: 130327

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

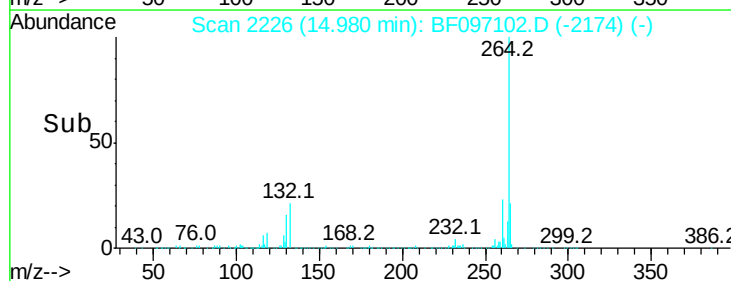
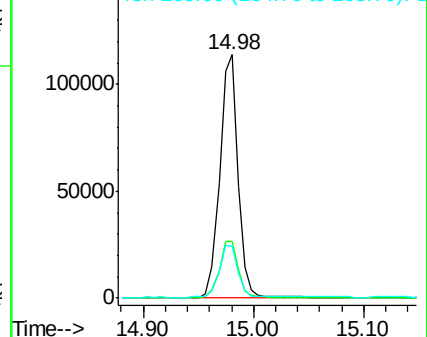
265 21.1 17.2 25.8

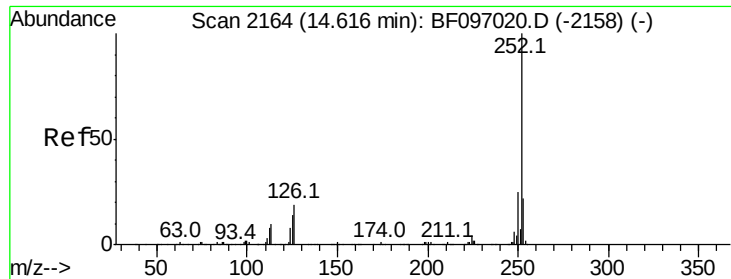


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

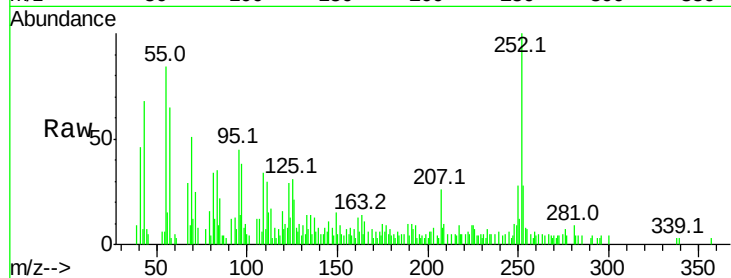




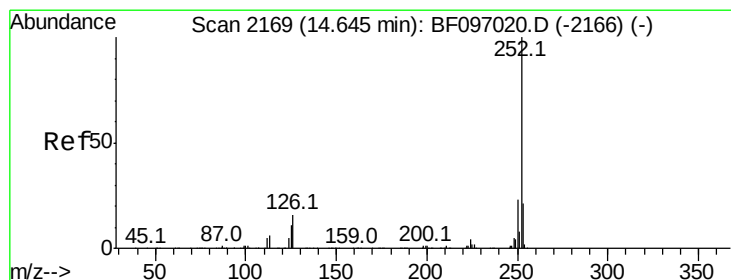
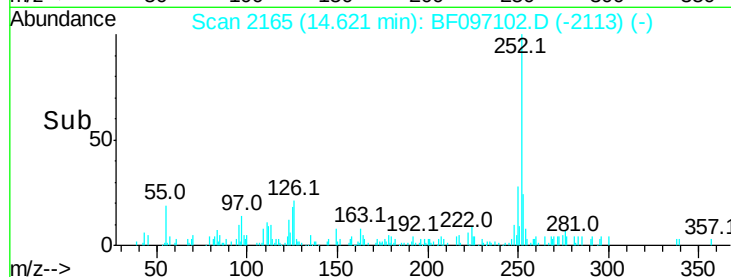
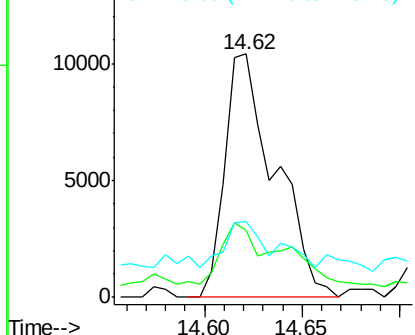
#87
Benzo(b)fluoranthene
Concen: 2.369 ng
RT: 14.62 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.1	27.1#
125	31.3	9.8	14.8#

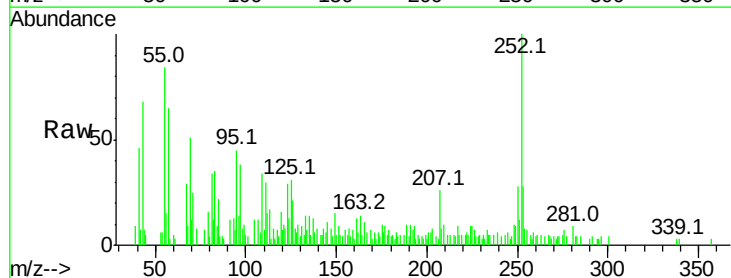


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.486 ng
RT: 14.62 min Scan# 2165
Delta R.T. -0.02 min
Lab File: BF097102.D
Acq: 27 Jul 2017 3:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6#
125	31.3	13.1	19.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

