

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072617\
 Data File : BF097108.D
 Acq On : 27 Jul 2017 6:44
 Operator : SJ/JU
 Sample : I4399-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 08:23:59 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

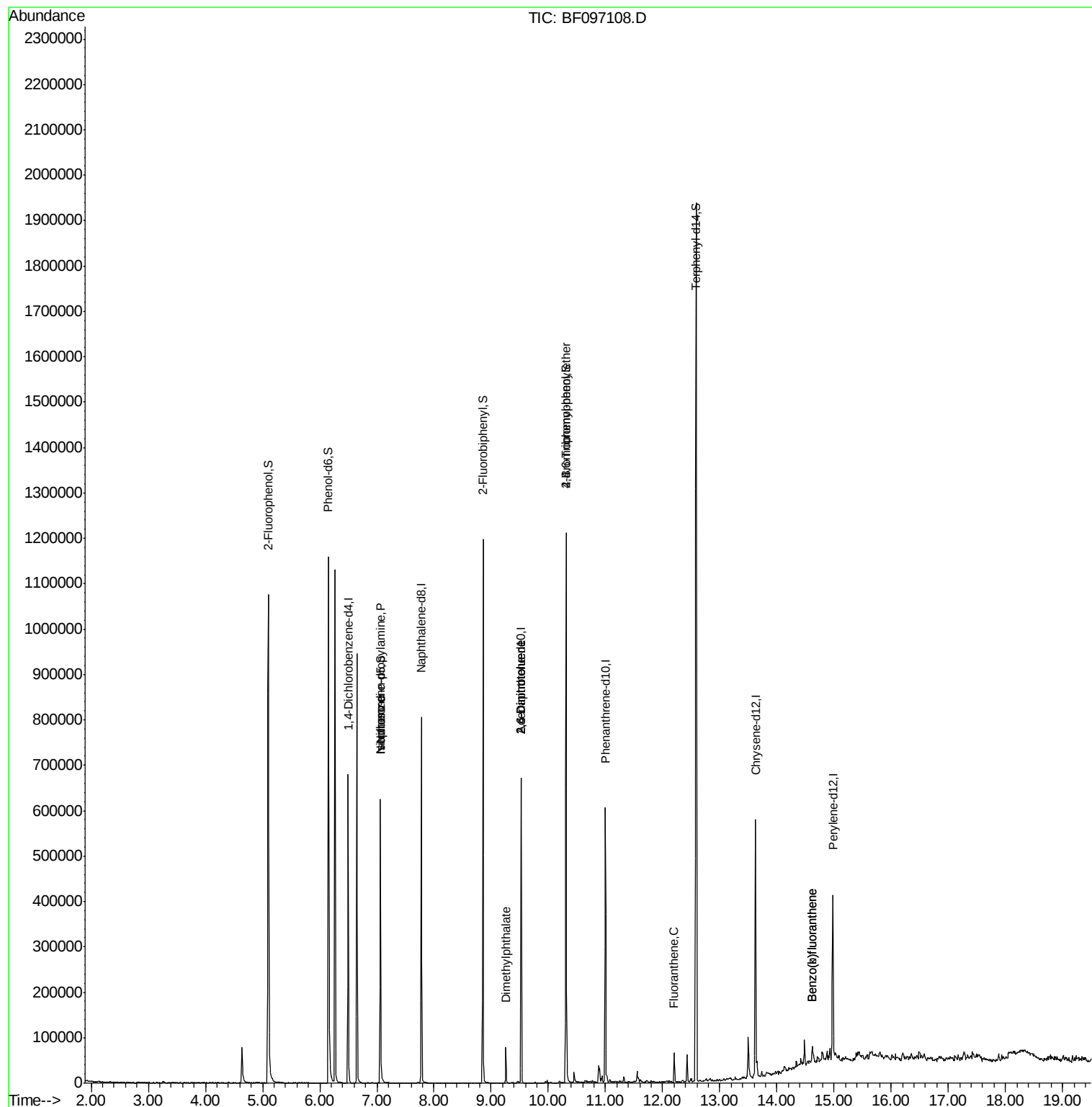
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	102525	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	360924	20.00	ng	0.00
38) Acenaphthene-d10	9.52	164	136592	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	197533	20.00	ng	0.00
75) Chrysene-d12	13.63	240	187668	20.00	ng	0.00
86) Perylene-d12	14.98	264	145154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	329613	48.47	ng	0.00
7) Phenol-d6	6.15	99	377434	48.61	ng	-0.02
23) Nitrobenzene-d5	7.06	82	190293	30.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	137285	127.21	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	341743	42.46	ng	-0.01
78) Terphenyl-d14	12.59	244	605773	65.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.06	70	24634	4.820	ng	# 85
25) Isophorone	7.06	82	188815	15.671	ng	# 67
49) Dimethylphthalate	9.26	163	31653	3.052	ng	# 98
50) 2,6-Dinitrotoluene	9.52	165	17007	7.731	ng	# 33
56) 2,4-Dinitrotoluene	9.52	165	17007	6.725	ng	# 32
66) 4-Bromophenyl-phenylether	10.31	248	8764	4.446	ng	# 1
74) Fluoranthene	12.20	202	24954	2.407	ng	# 95
87) Benzo(b)fluoranthene	14.62	252	18861	2.162	ng	# 88
88) Benzo(k)fluoranthene	14.62	252	18861	2.268	ng	# 93

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

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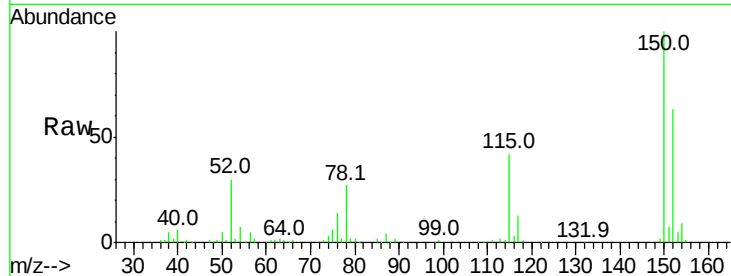


#1

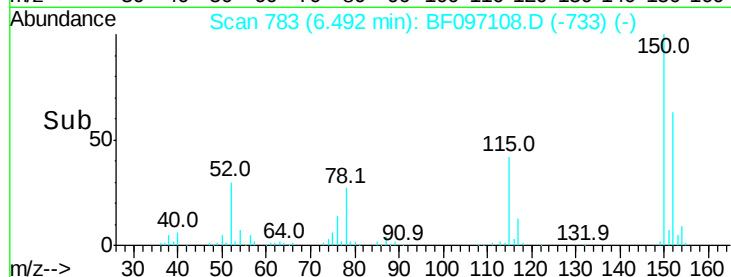
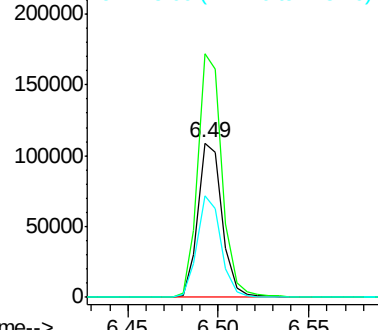
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF097108.D
Acq: 27 Jul 2017 6:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102525
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 65.7 52.2 78.2



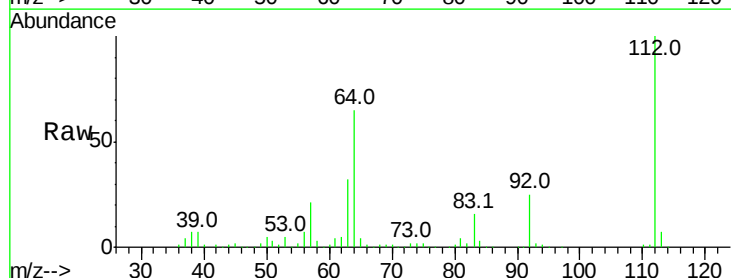
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



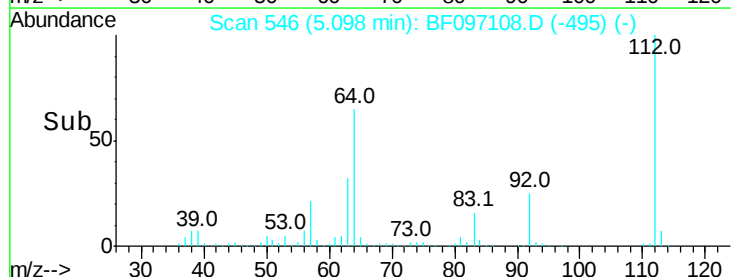
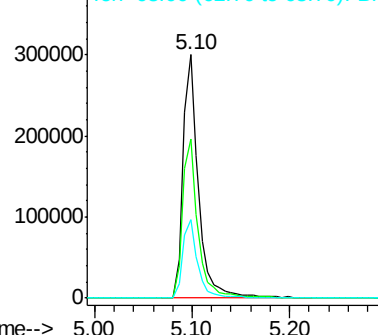
#5

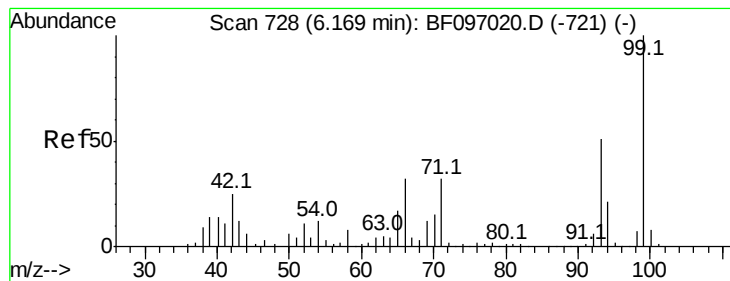
2-Fluorophenol
Concen: 48.465 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097108.D
Acq: 27 Jul 2017 6:44

Tgt Ion:112 Resp: 329613
Ion Ratio Lower Upper
112 100
64 65.2 46.0 69.0
63 32.1 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: 48.612 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

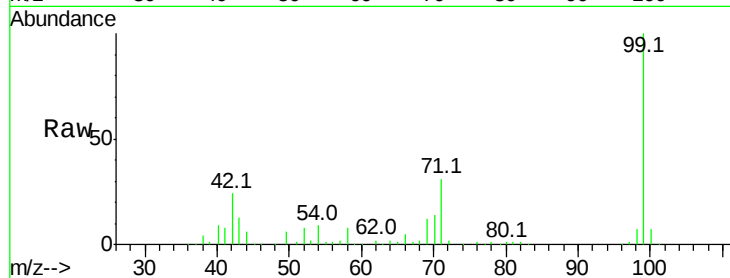
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 377434

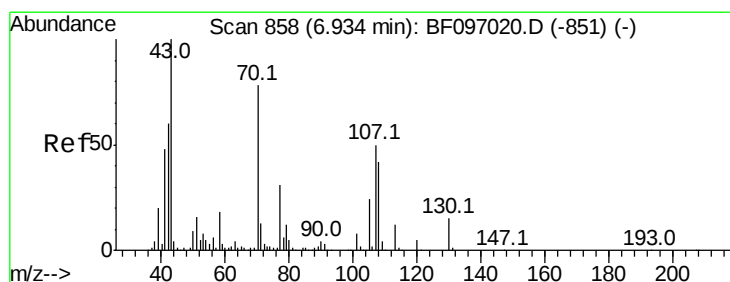
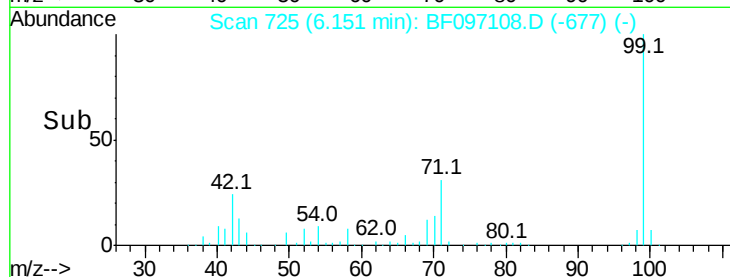
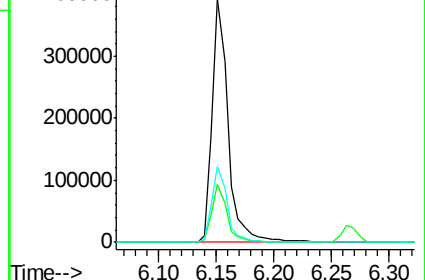
Ion	Ratio	Lower	Upper
99	100		
42	23.6	13.5	20.3#
71	31.1	24.5	36.7



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: 4.820 ng

RT: 7.06 min Scan# 879

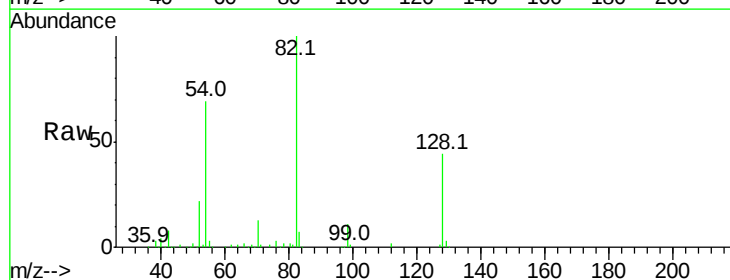
Delta R.T. 0.12 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

Tgt Ion: 70 Resp: 24634

Ion	Ratio	Lower	Upper
70	100		
42	63.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.9	15.9	23.9#

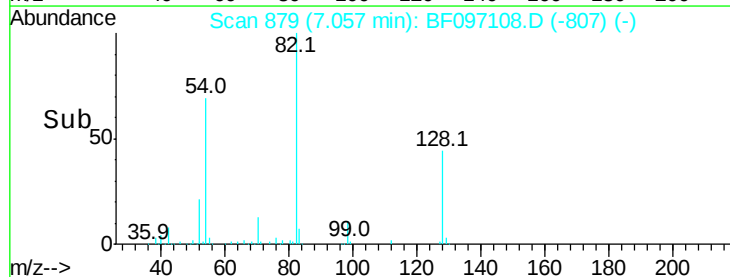
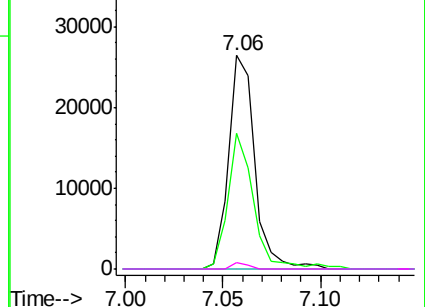


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 360924

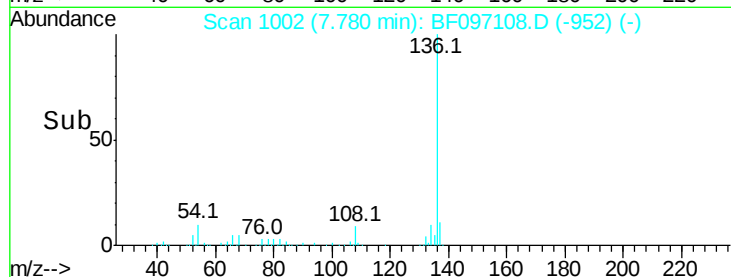
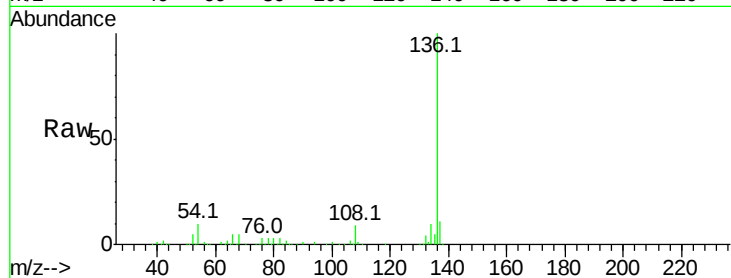
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.7 4.9 7.3#

68 4.7 4.1 6.1



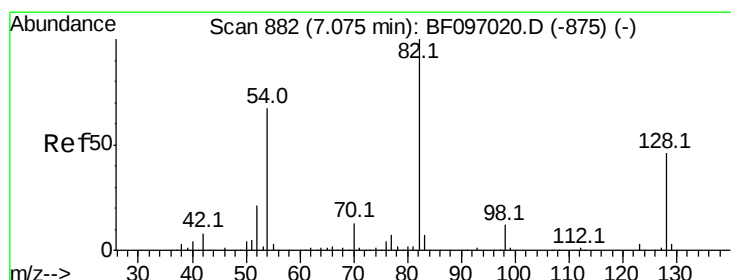
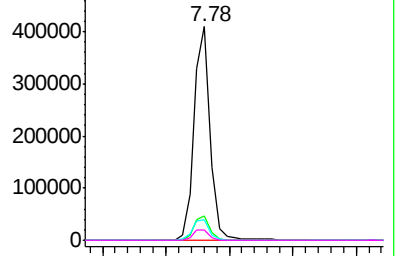
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 30.930 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

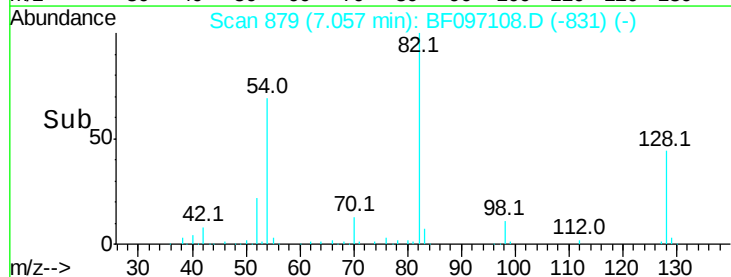
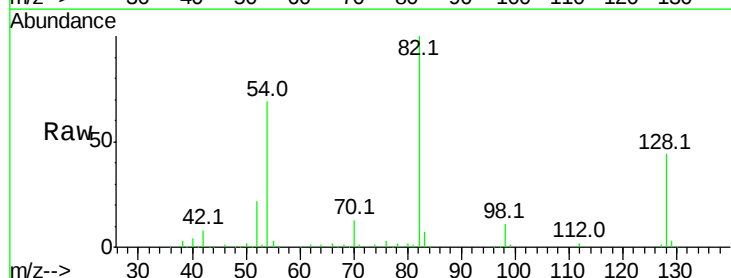
Tgt Ion: 82 Resp: 190293

Ion Ratio Lower Upper

82 100

128 44.0 34.0 51.0

54 69.0 42.2 63.2#

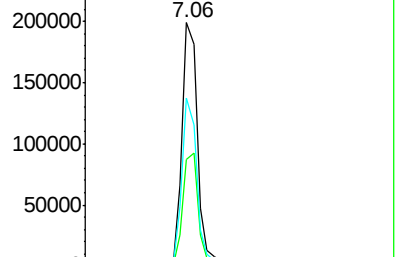


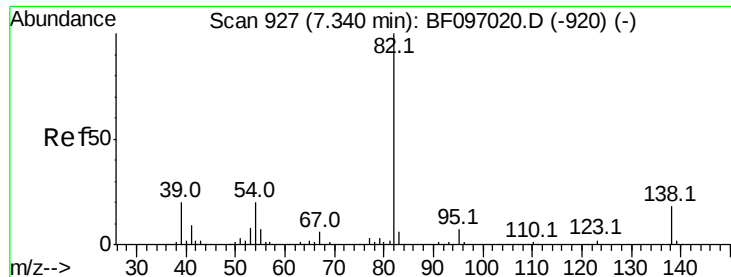
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->





#25

Isophorone

Concen: 15.671 ng

RT: 7.06 min Scan# 879

Delta R.T. -0.28 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

Instrument :

BNA_F

ClientSampleId :

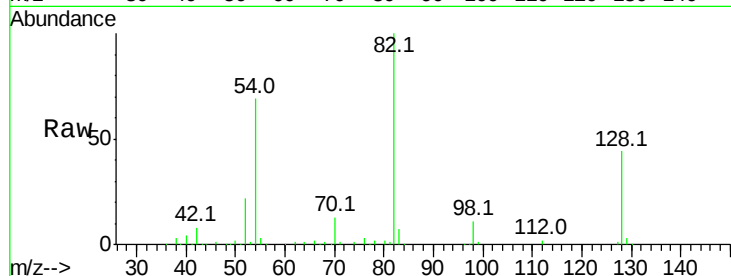
Tot Ion: 82 Resp: 188815

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

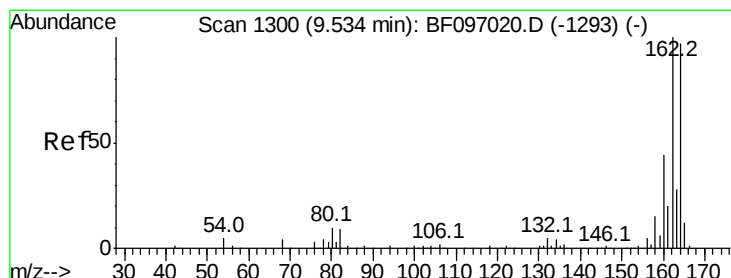
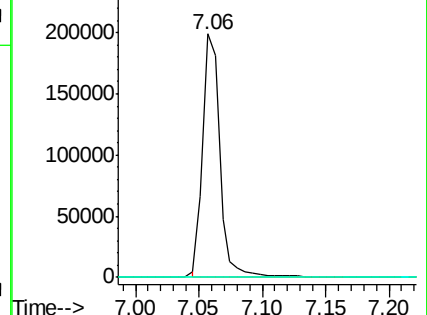
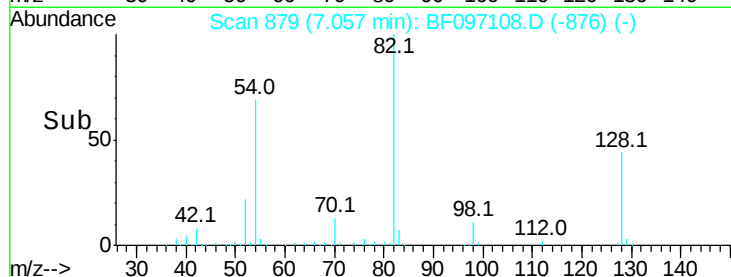
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.52 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

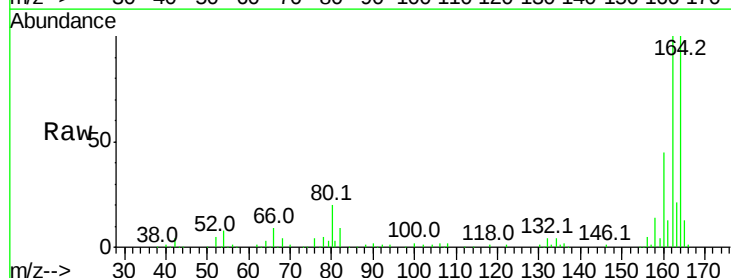
Tgt Ion:164 Resp: 136592

Ion Ratio Lower Upper

164 100

162 100.5 82.6 123.8

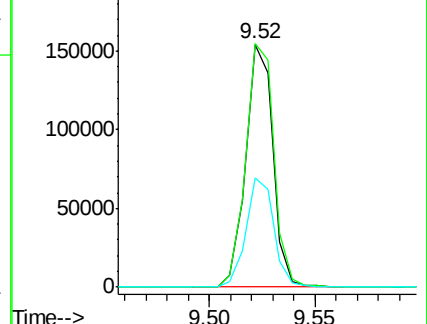
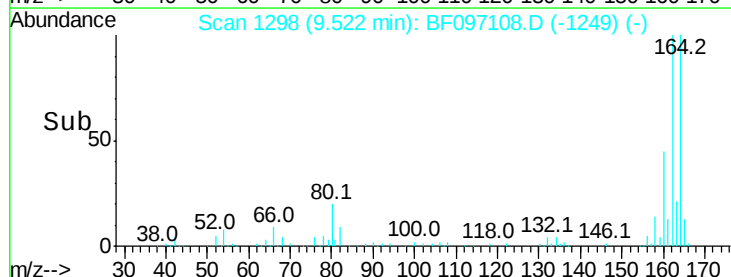
160 45.0 36.2 54.2

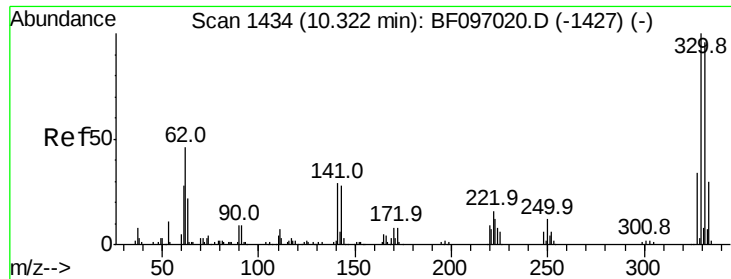


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

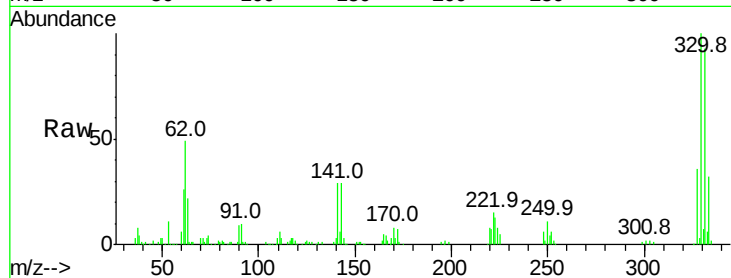




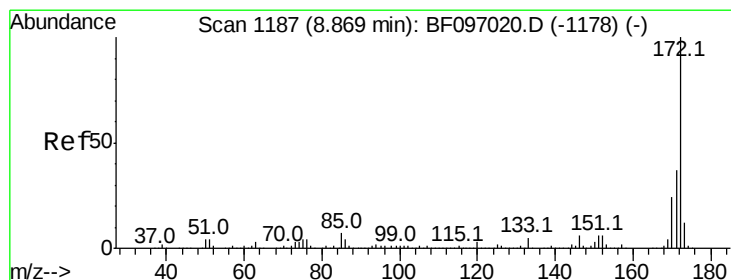
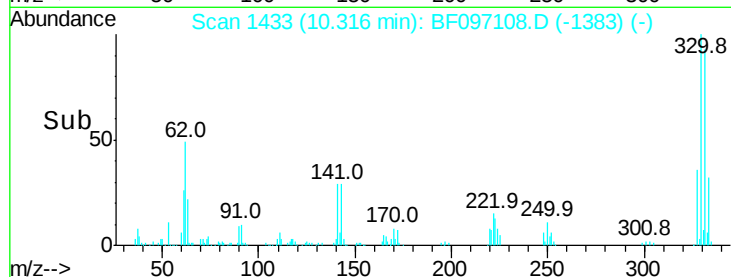
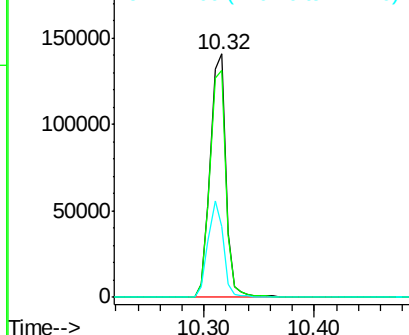
#41
 2,4,6-Tribromophenol
 Concen: 127.209 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097108.D
 Acq: 27 Jul 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	37.9	31.4	47.2

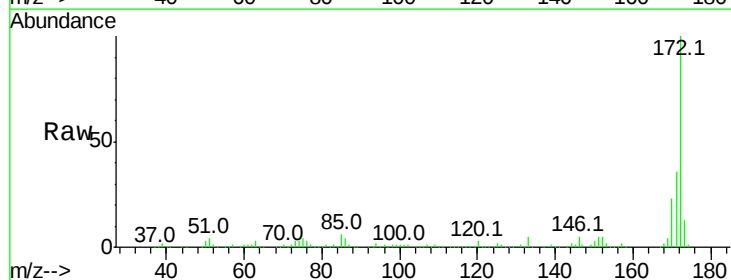


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

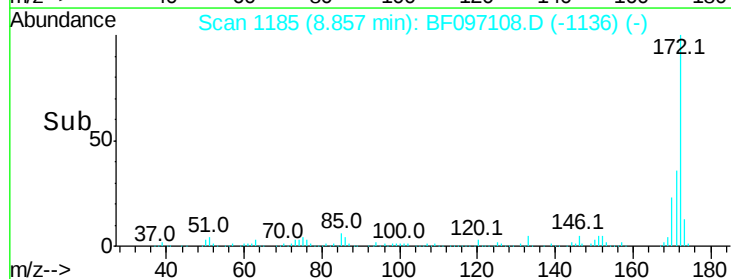
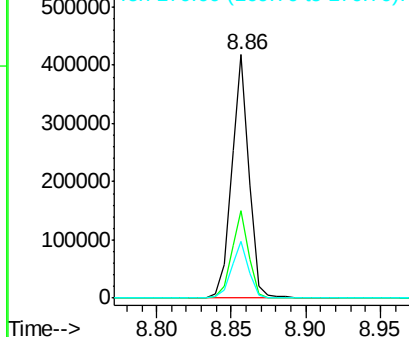


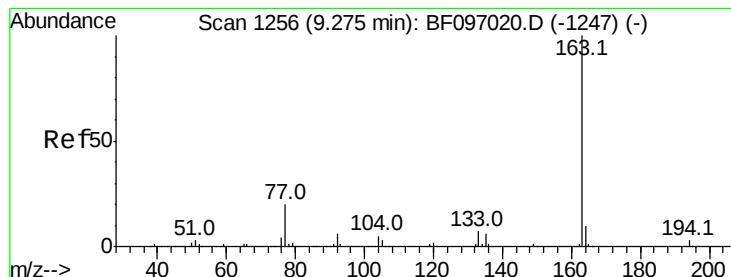
#44
 2-Fluorobiphenyl
 Concen: 42.460 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097108.D
 Acq: 27 Jul 2017 6:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.2	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: 3.052 ng

RT: 9.26 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

Instrument :

BNA_F

ClientSampleId :

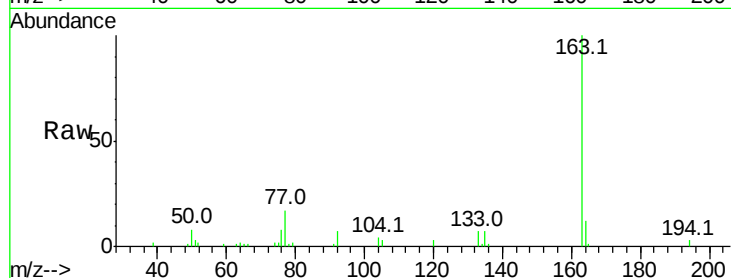
Tot Ion:163 Resp: 31653

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

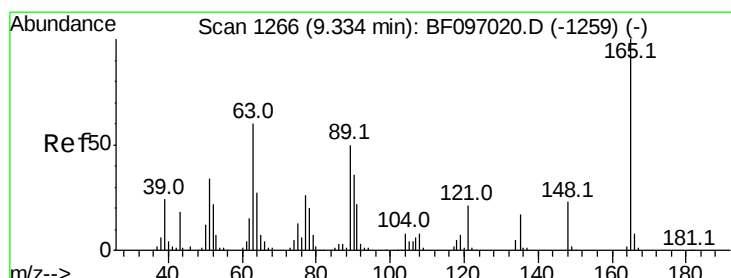
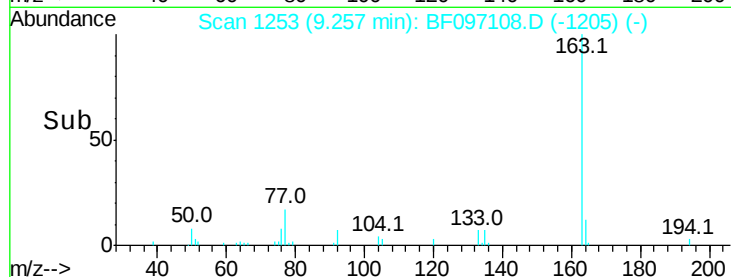
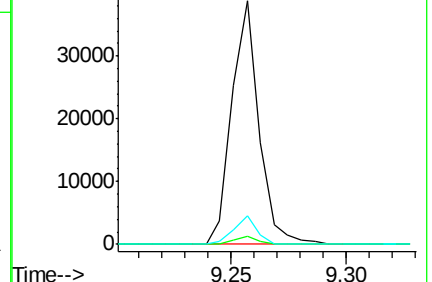
164 11.5 8.4 12.6



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: 7.731 ng

RT: 9.52 min Scan# 1298

Delta R.T. 0.19 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

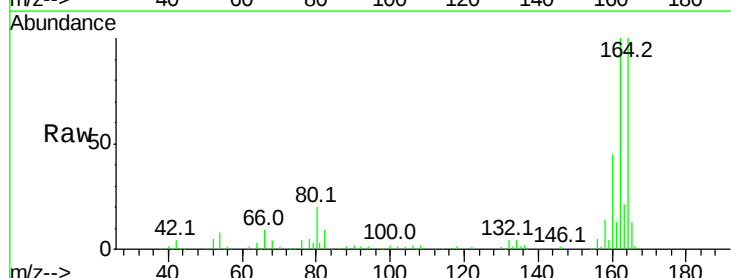
Tgt Ion:165 Resp: 17007

Ion Ratio Lower Upper

165 100

63 2.2 34.3 51.5#

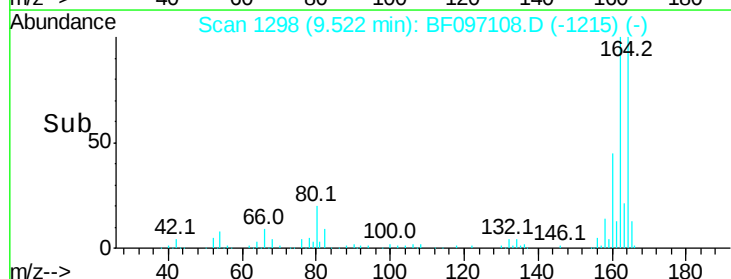
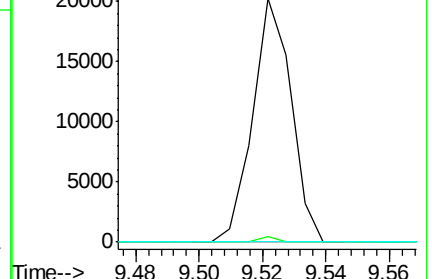
89 0.0 37.1 55.7#



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

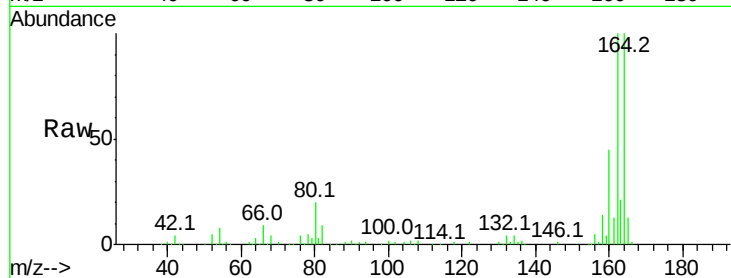




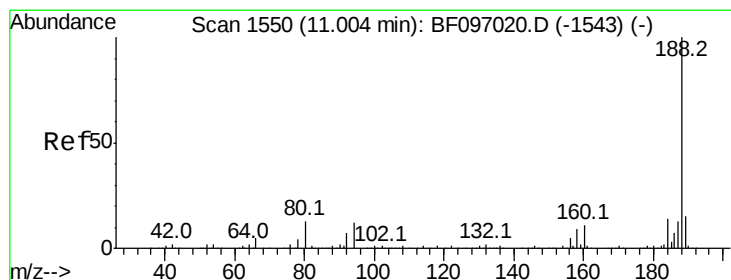
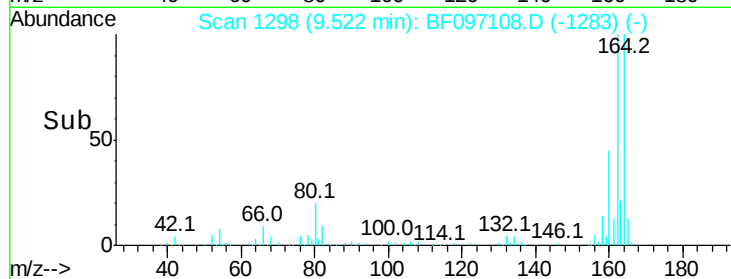
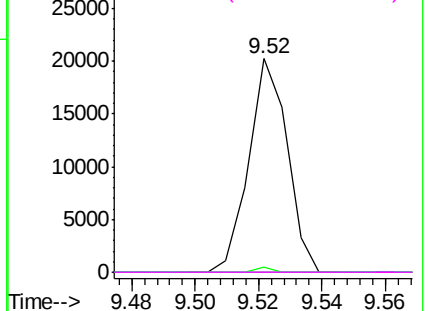
#56
 2,4-Dinitrotoluene
 Concen: 6.725 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF097108.D
 Acq: 27 Jul 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 17007
 Ion Ratio Lower Upper
 165 100
 63 2.2 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

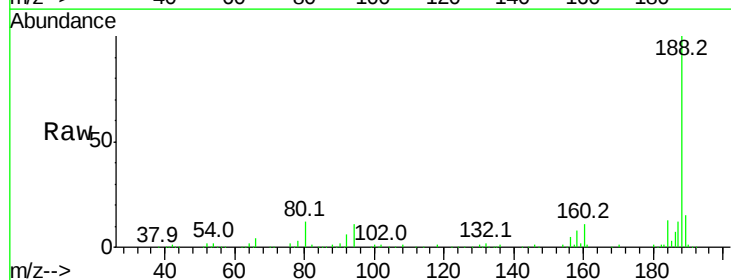


Abundance Ion 165.00 (164.70 to 165.70): E

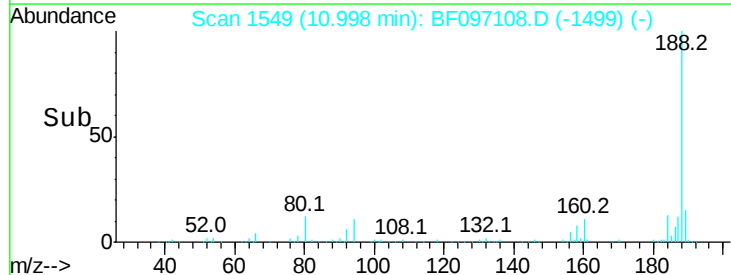
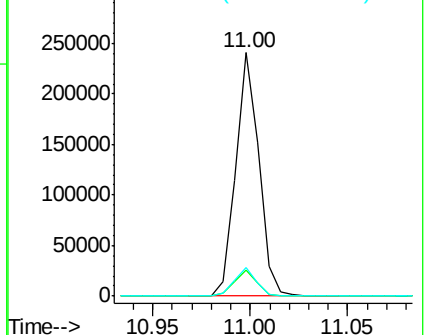


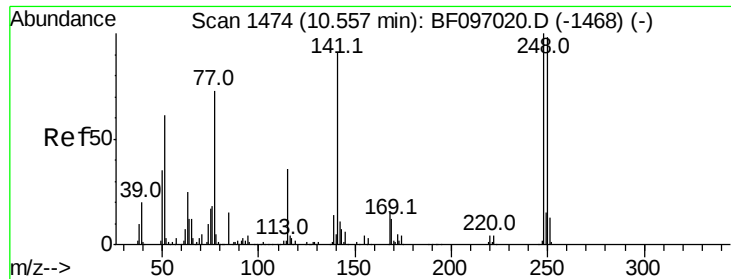
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097108.D
 Acq: 27 Jul 2017 6:44

Tgt Ion:188 Resp: 197533
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

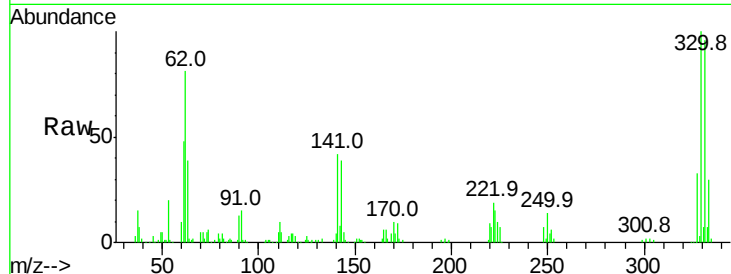




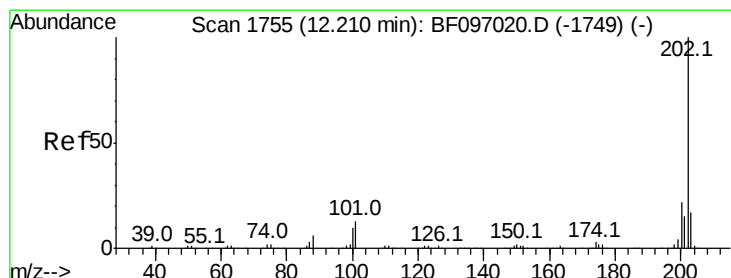
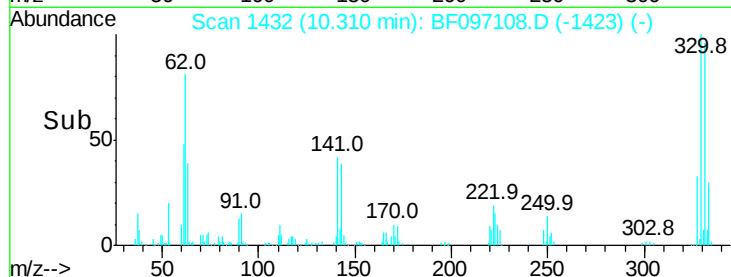
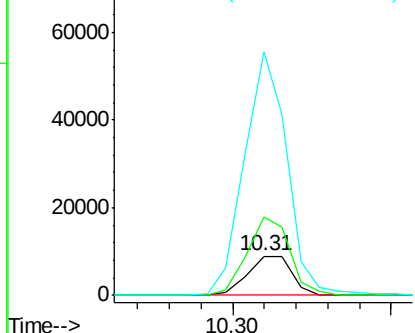
#66
4-Bromophenyl-phenylether
Concen: 4.446 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF097108.D
Acq: 27 Jul 2017 6:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8764
Ion Ratio Lower Upper
248 100
250 198.7 76.8 115.2#
141 617.7 68.6 103.0#

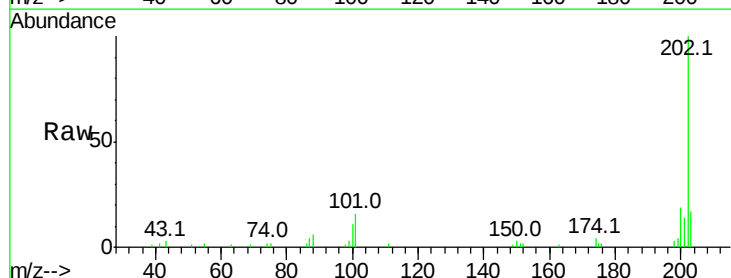


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

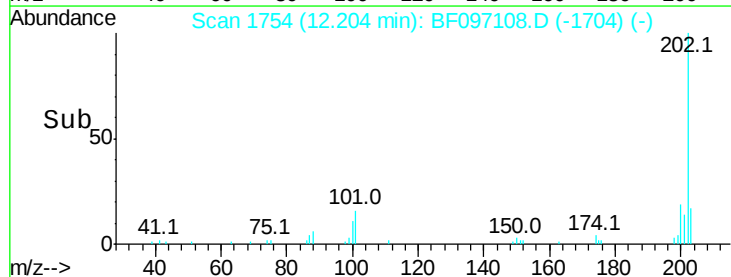
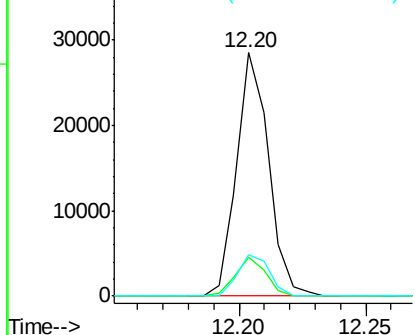


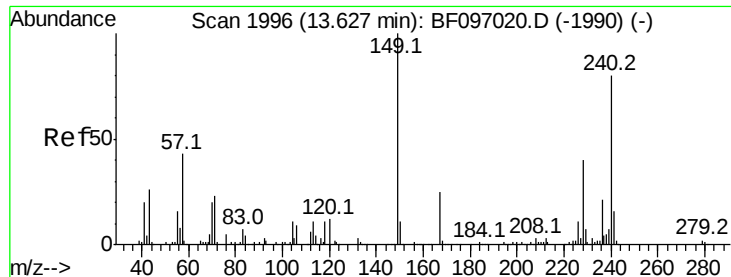
#74
Fluoranthene
Concen: 2.407 ng
RT: 12.20 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF097108.D
Acq: 27 Jul 2017 6:44

Tgt Ion:202 Resp: 24954
Ion Ratio Lower Upper
202 100
101 15.9 0.0 33.2
203 16.8 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: BF097108.D

Acq: 27 Jul 2017 6:44

Instrument :

BNA_F

ClientSampleId :

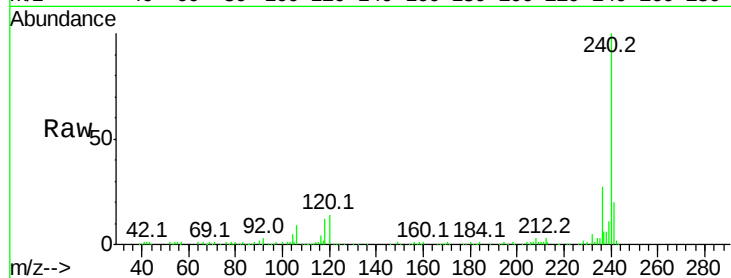
Tot Ion:240 Resp: 187668

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

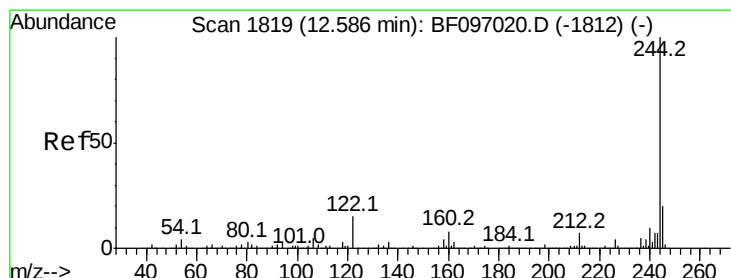
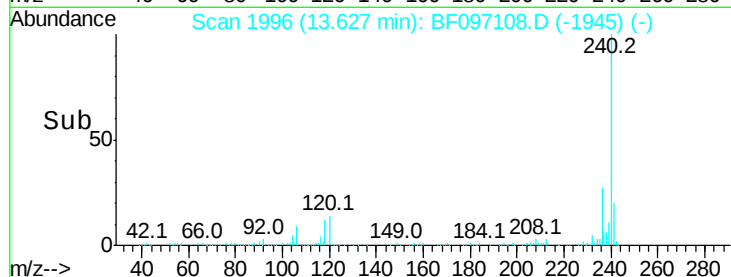
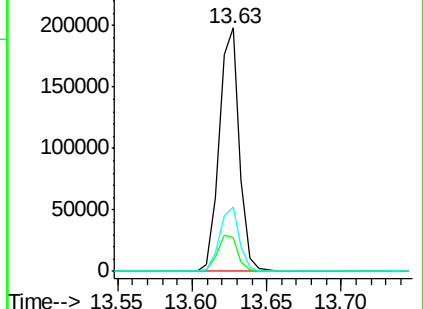
236 26.5 20.5 30.7



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: 65.812 ng

RT: 12.59 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF097108.D

Acq: 27 Jul 2017 6:44

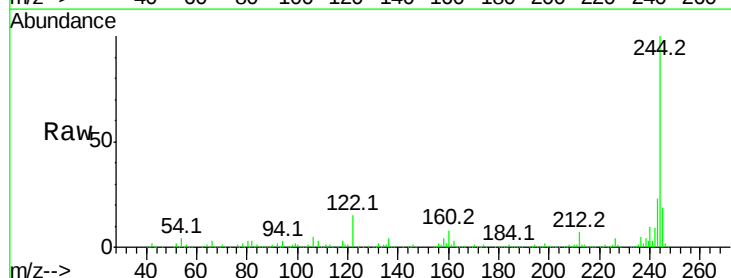
Tgt Ion:244 Resp: 605773

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

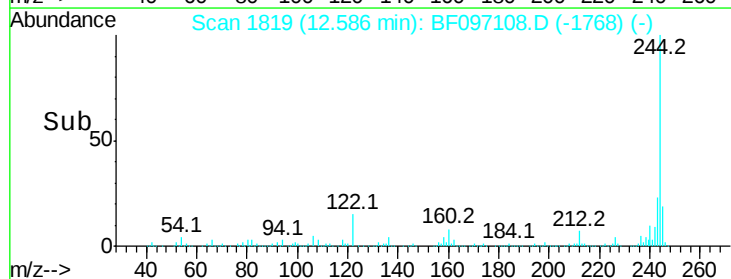
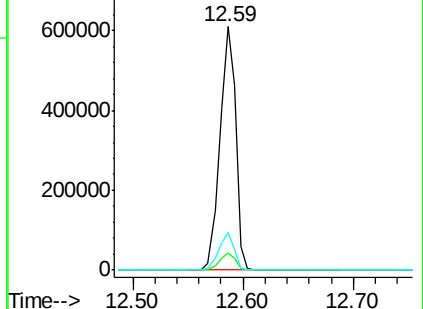
122 15.5 10.3 15.5

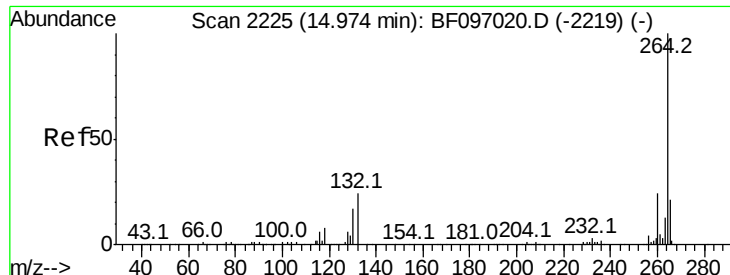


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



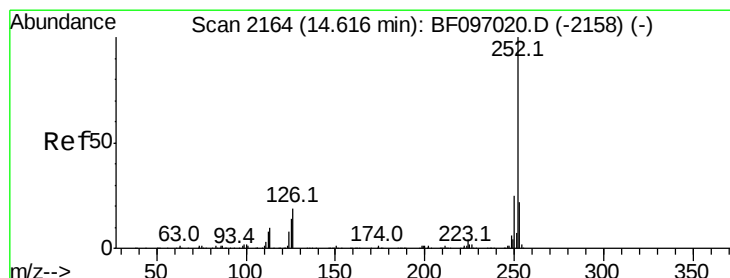
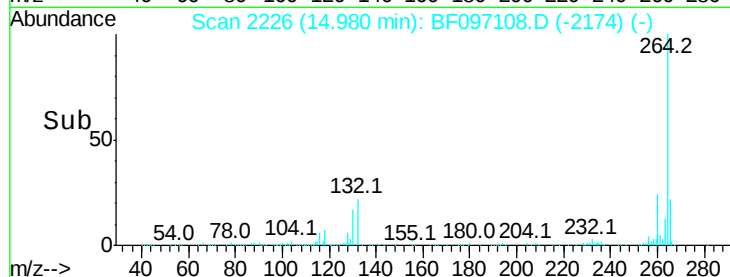
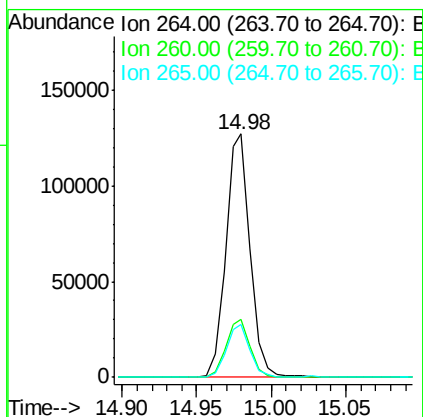
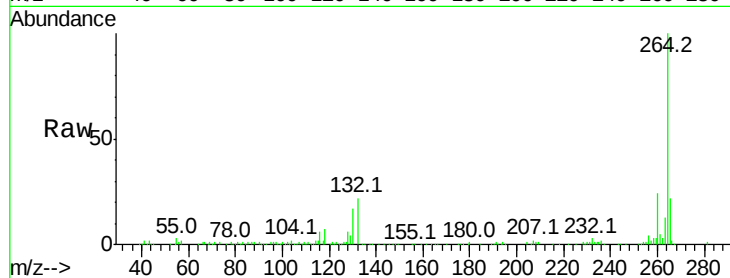


#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.98 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF097108.D
Acq: 27 Jul 2017 6:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 145154

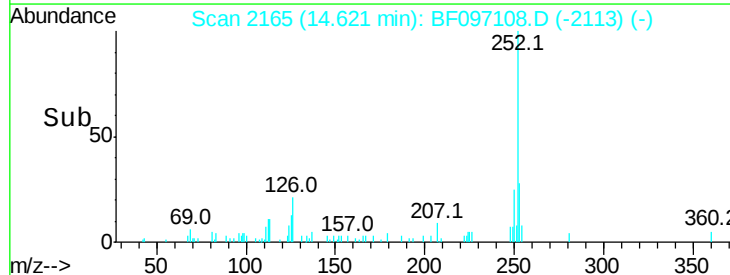
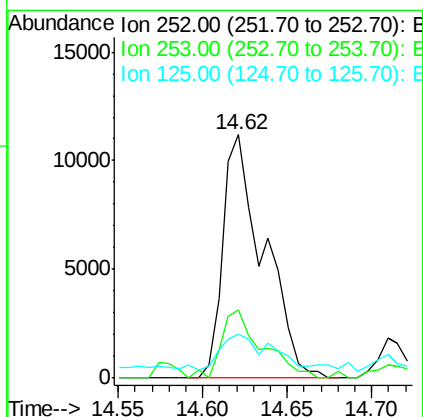
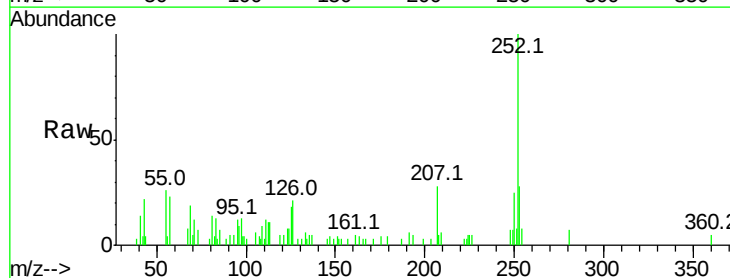
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.7	17.2	25.8

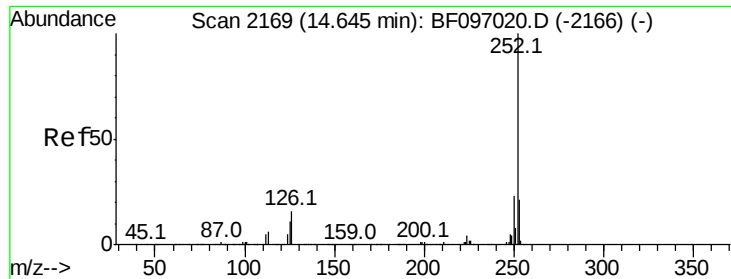


#87
Benzo(b)fluoranthene
Concen: 2.162 ng
RT: 14.62 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF097108.D
Acq: 27 Jul 2017 6:44

Tgt Ion:252 Resp: 18861

Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.1	27.1#
125	17.8	9.8	14.8#





#88
 Benzo(k)fluoranthene
 Concen: 2.268 ng
 RT: 14.62 min Scan# 2165
 Delta R.T. -0.02 min
 Lab File: BF097108.D
 Acq: 27 Jul 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.4	27.6#
125	17.8	13.1	19.7

