

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096358.D
 Acq On : 1 Jul 2017 1:28
 Operator : SJ/MA
 Sample : I3930-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 01 01:56:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

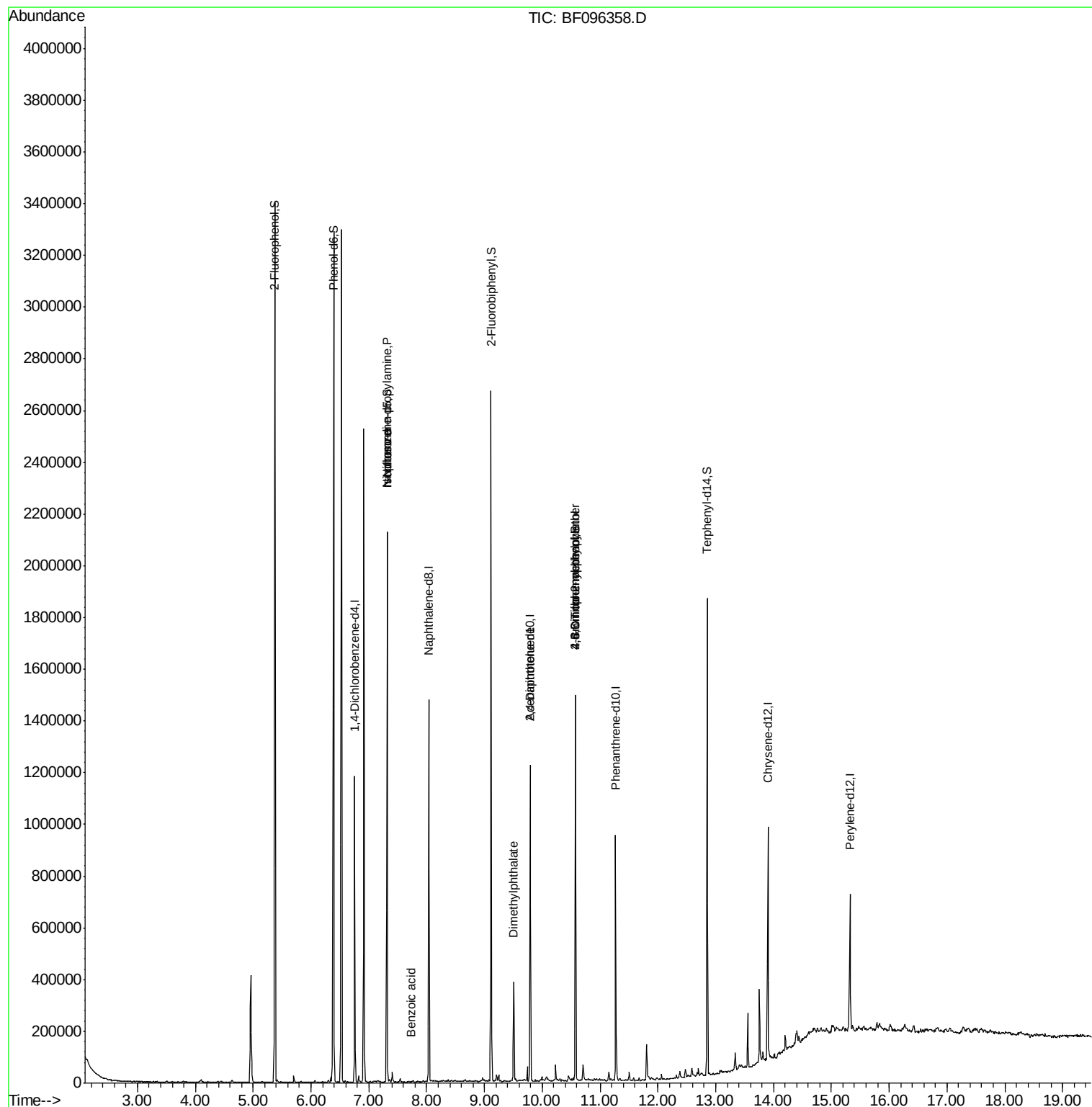
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	156470	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	618242	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	215918	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	320431	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	316274	20.00	ng	-0.01
86) Perylene-d12	15.32	264	225836	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	947120	87.21	ng	0.00
7) Phenol-d6	6.39	99	1133754	86.21	ng	0.00
23) Nitrobenzene-d5	7.32	82	633501	70.93	ng	-0.04
41) 2,4,6-Tribromophenol	10.57	330	171284	100.80	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	787654	66.81	ng	-0.03
78) Terphenyl-d14	12.86	244	528590	41.70	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	1414	Below Cal		Qvalue 92
19) n-Nitroso-di-n-propylamine	7.32	70	82988	10.53 ng	#	87
25) Isophorone	7.32	82	633492	31.23 ng	#	67
32) Benzoic acid	7.73	122	361	8.83 ng	#	62
49) Dimethylphthalate	9.51	163	157429	10.19 ng		98
56) 2,4-Dinitrotoluene	9.79	165	27676	6.83 ng	#	33
57) Fluorene	10.33	166	555	Below Cal	#	80
64) 4,6-Dinitro-2-methylphenol	10.57	198	142	8.82 ng	#	1
66) 4-Bromophenyl-phenylether	10.57	248	9256	2.81 ng	#	1
70) Phenanthrene	11.29	178	9652	Below Cal		96

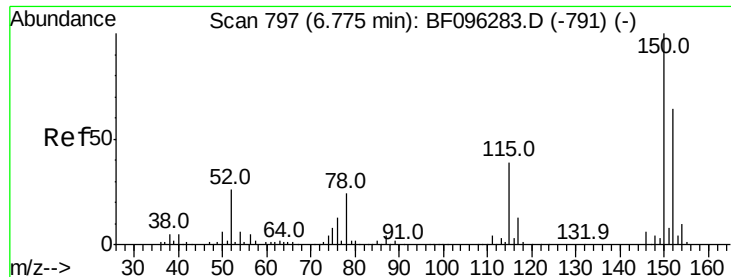
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

Instrument :

BNA_F

ClientSampleId :

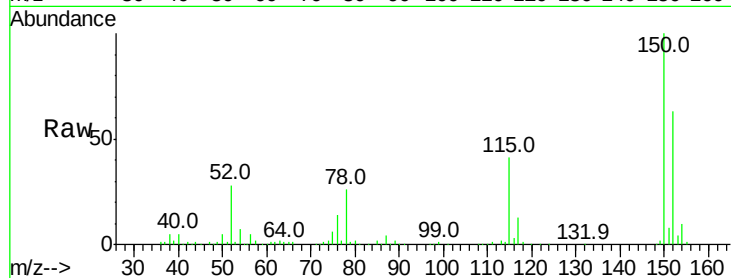
Tot Ion:152 Resp: 156470

Ion Ratio Lower Upper

152 100

150 159.9 126.2 189.2

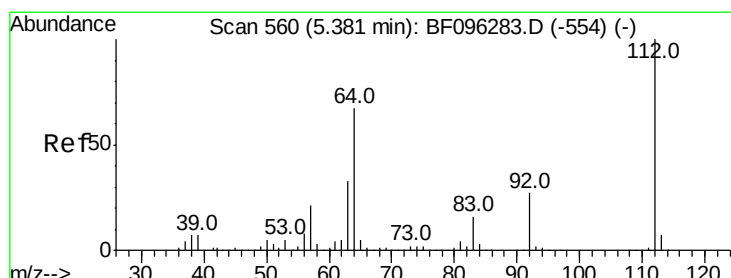
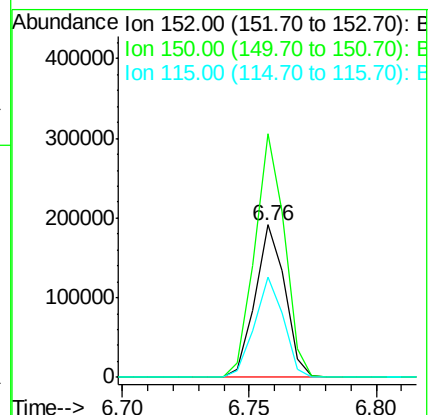
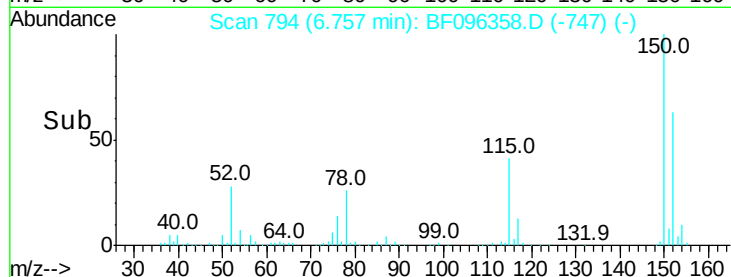
115 66.0 52.2 78.2



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: 87.21 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

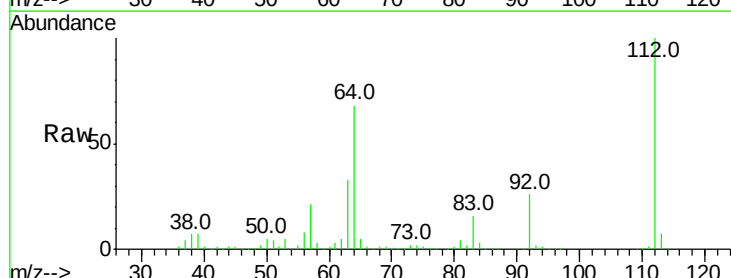
Tgt Ion:112 Resp: 947120

Ion Ratio Lower Upper

112 100

64 67.8 46.0 69.0

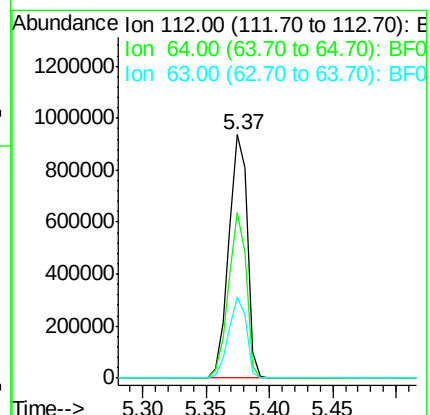
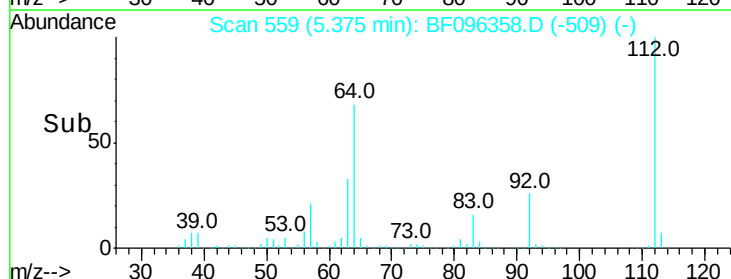
63 33.4 23.4 35.0

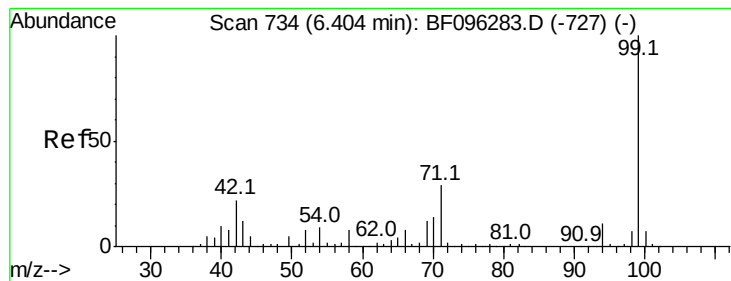


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.21 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

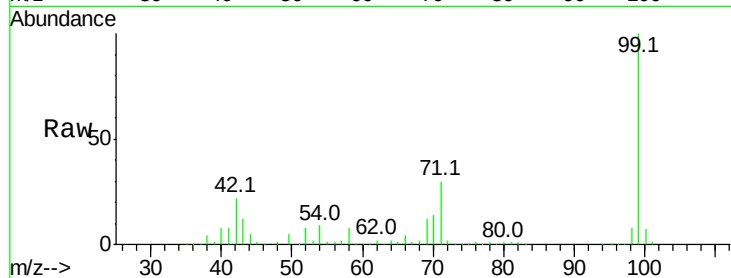
Instrument :

BNA_F

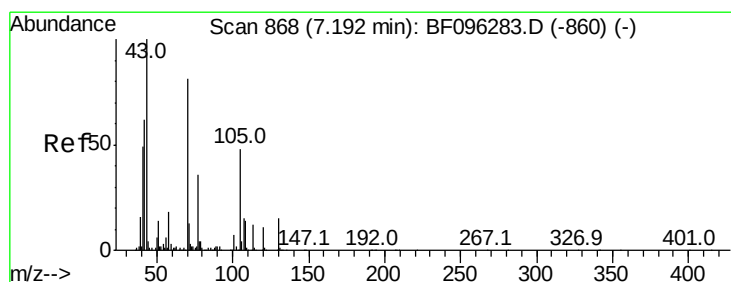
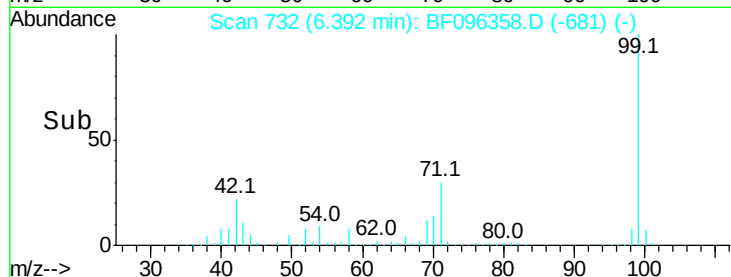
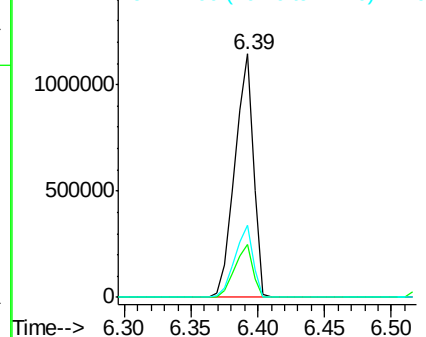
ClientSampleId :

Tot Ion: 99 Resp: 1133754

Ion	Ratio	Lower	Upper
99	100		
42	21.5	13.5	20.3#
71	29.7	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: 10.53 ng

RT: 7.32 min Scan# 889

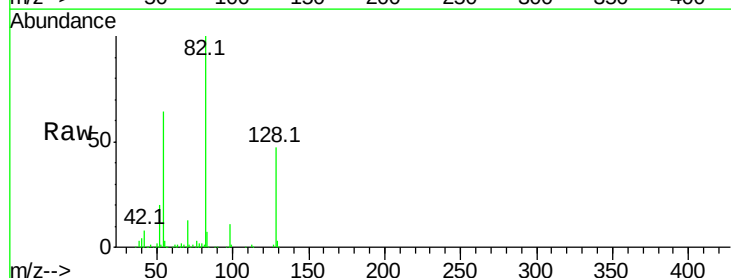
Delta R.T. 0.14 min

Lab File: BF096358.D

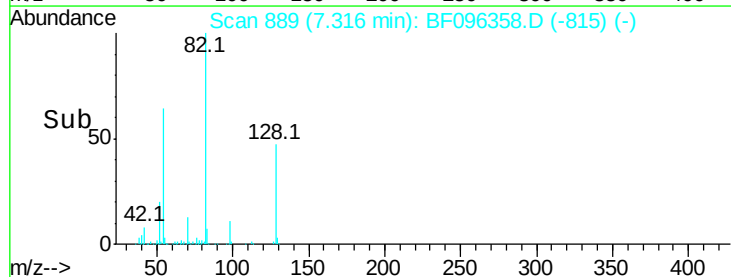
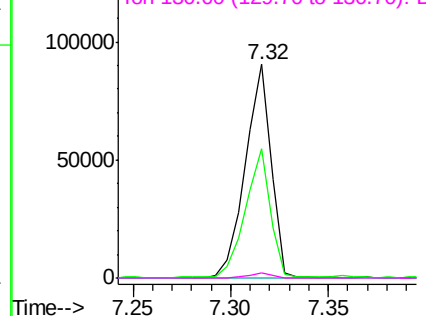
Acq: 1 Jul 2017 1:28

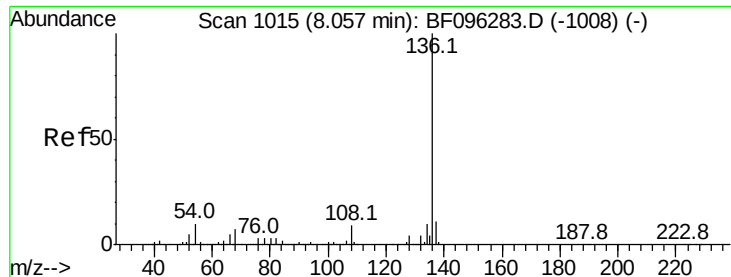
Tgt Ion: 70 Resp: 82988

Ion	Ratio	Lower	Upper
70	100		
42	60.7	47.2	70.8
101	0.0	7.2	10.8#
130	2.6	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: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 618242

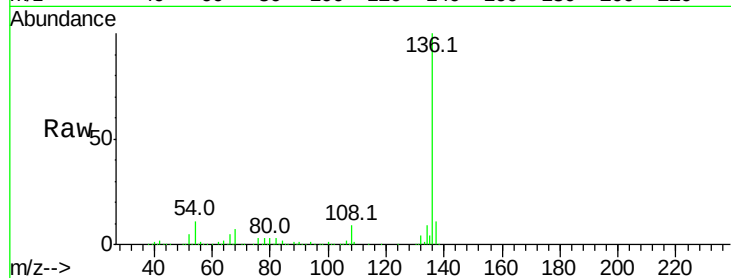
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.8 4.9 7.3#

68 6.5 4.1 6.1#

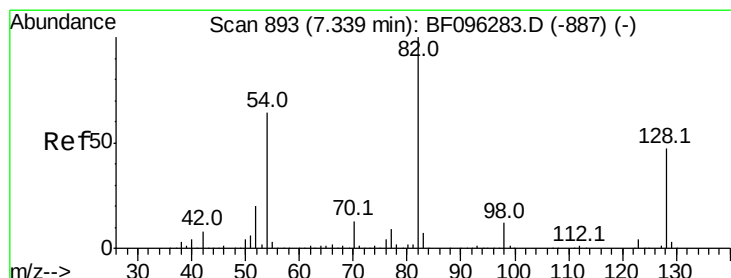
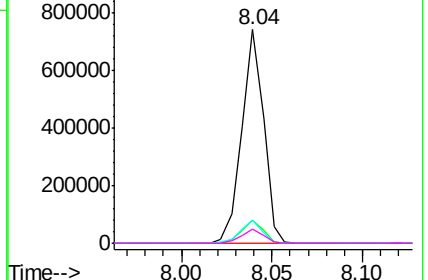
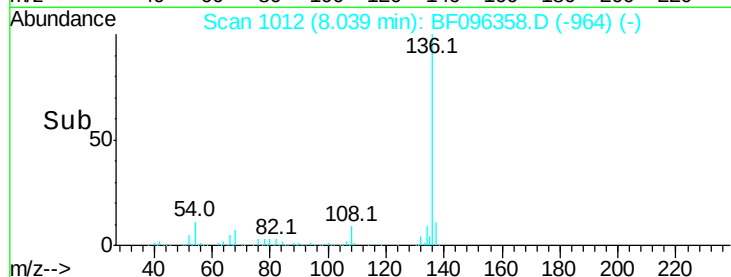


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.93 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.04 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

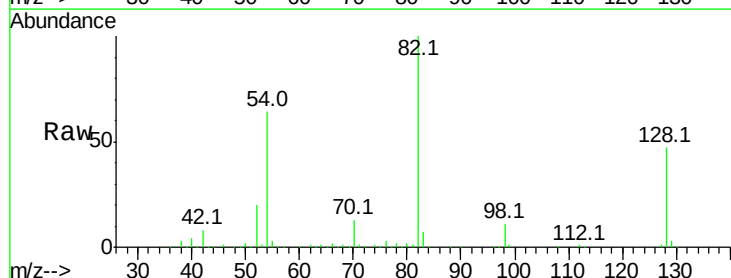
Tgt Ion: 82 Resp: 633501

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

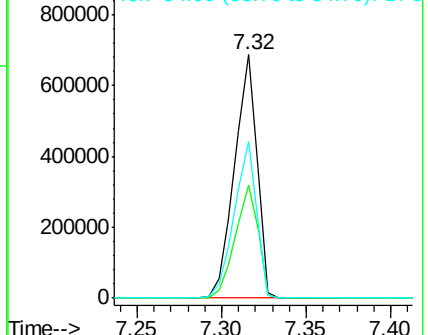
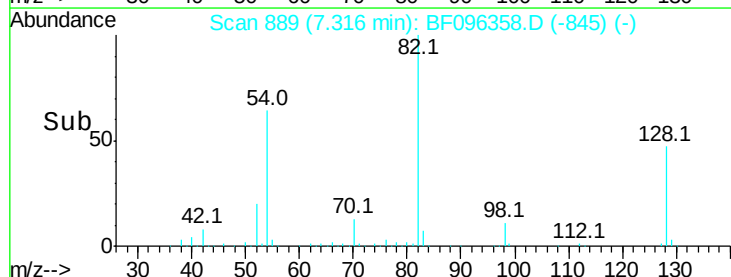
54 64.3 42.2 63.2#

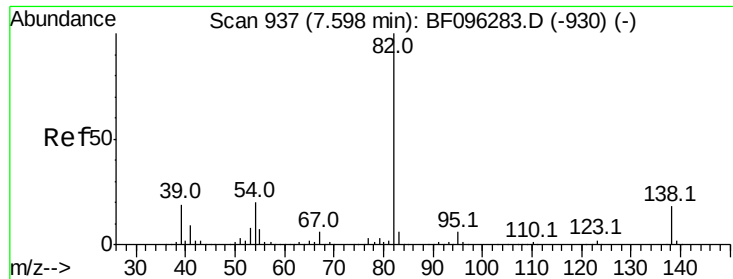


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 31.23 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.28 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

Instrument :
BNA_F
ClientSampleId :

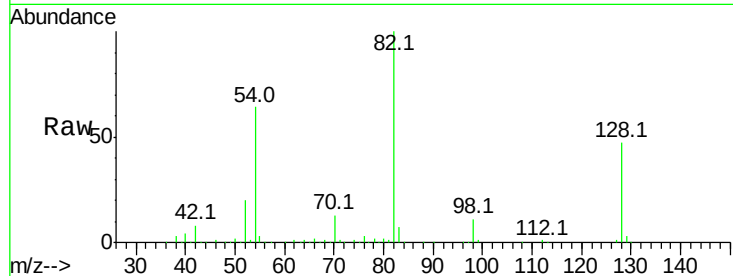
Tot Ion: 82 Resp: 633492

Ion Ratio Lower Upper

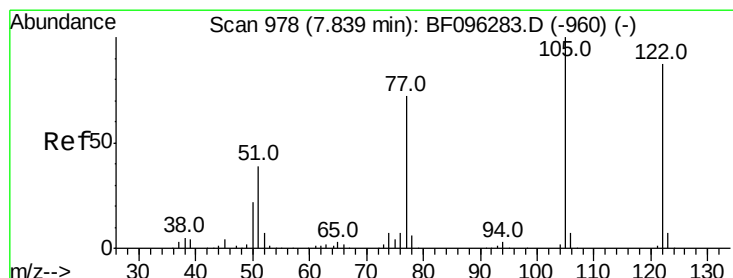
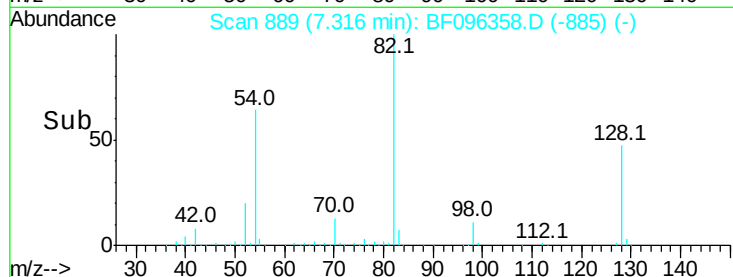
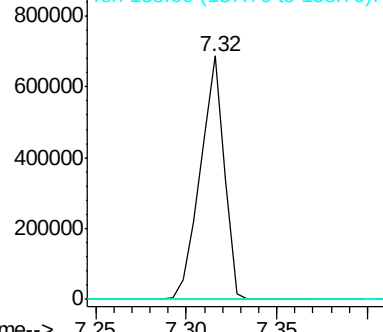
82 100

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



#32

Benzoic acid

Concen: 8.83 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.15 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

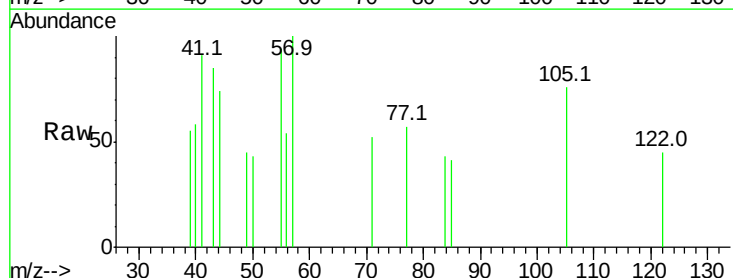
Tgt Ion: 122 Resp: 361

Ion Ratio Lower Upper

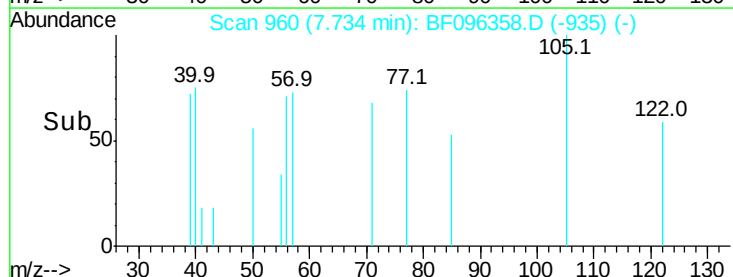
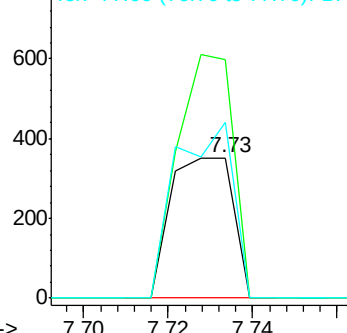
122 100

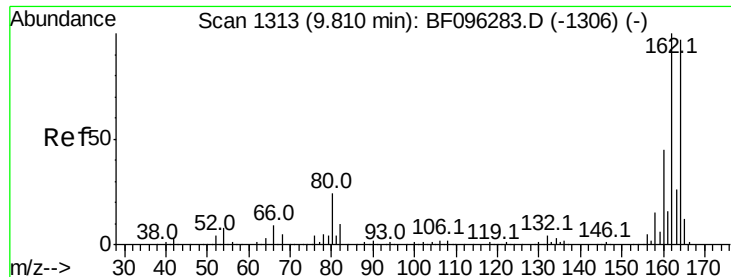
105 169.6 103.3 143.3#

77 125.6 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

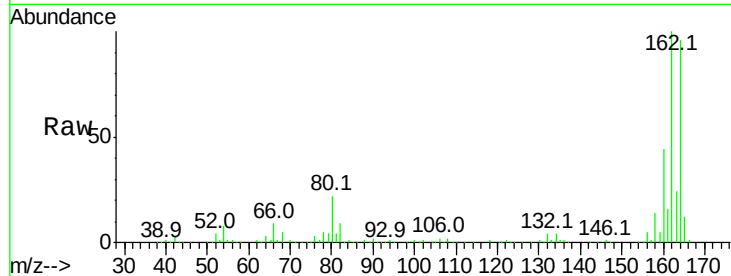




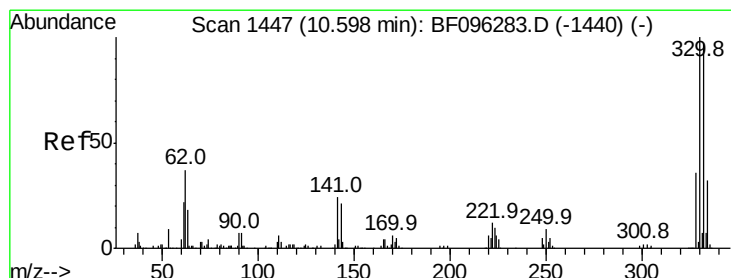
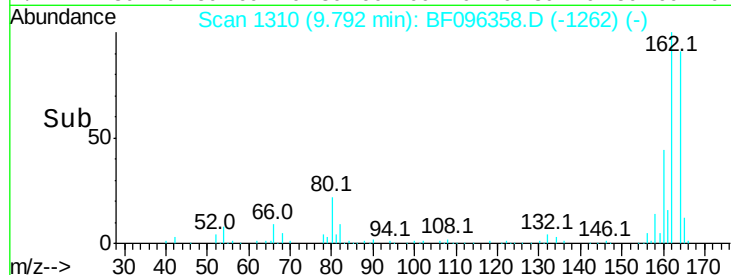
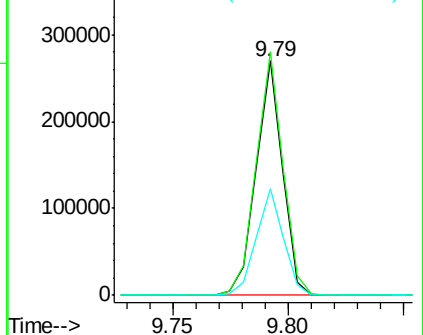
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 215918
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 45.6 36.2 54.2

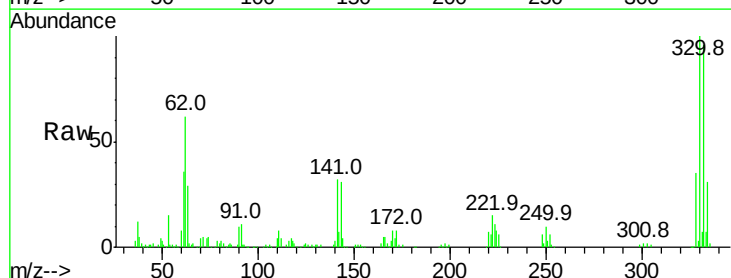


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

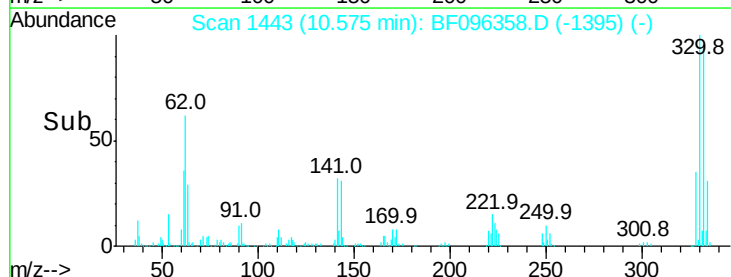
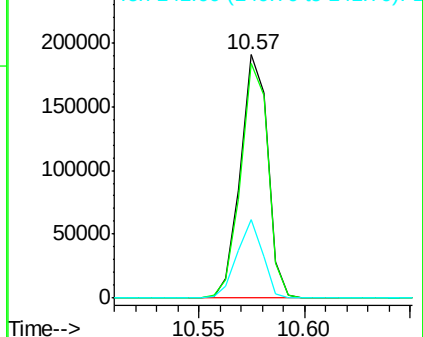


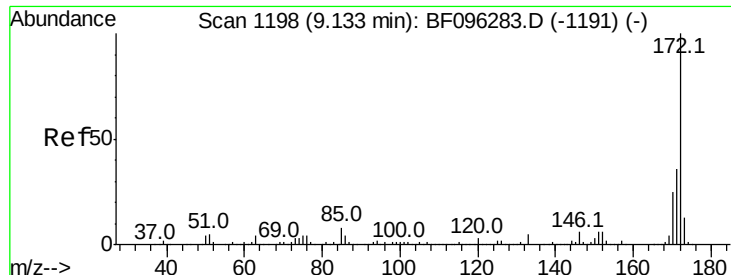
#41
2,4,6-Tribromophenol
Concen: 100.80 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Tgt Ion:330 Resp: 171284
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 30.1 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

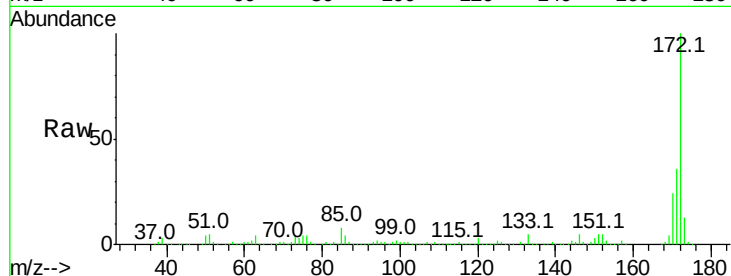




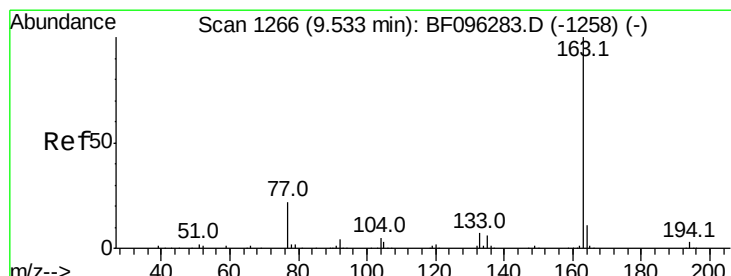
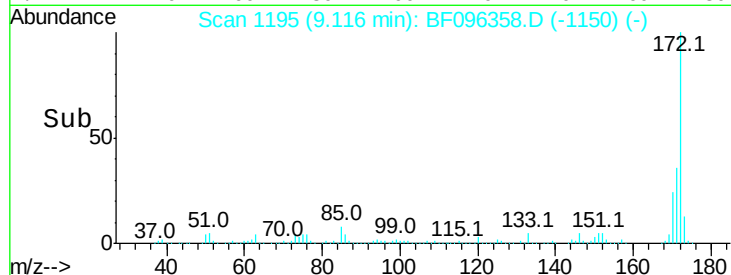
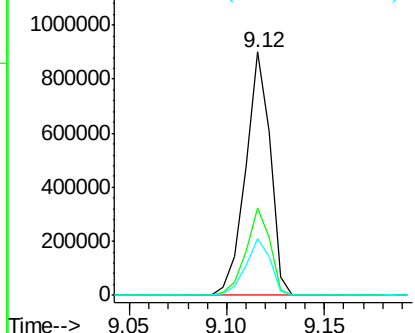
#44
 2-Fluorobiphenyl
 Concen: 66.81 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096358.D
 Acq: 1 Jul 2017 1:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8

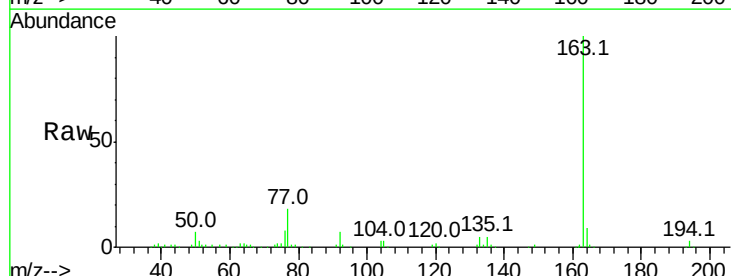


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

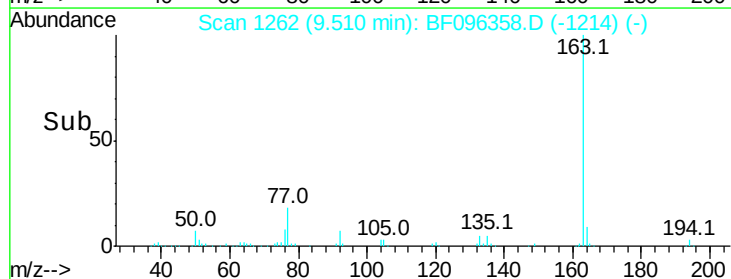
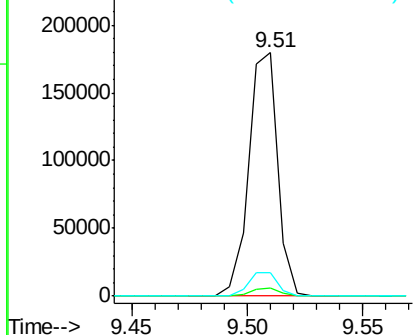


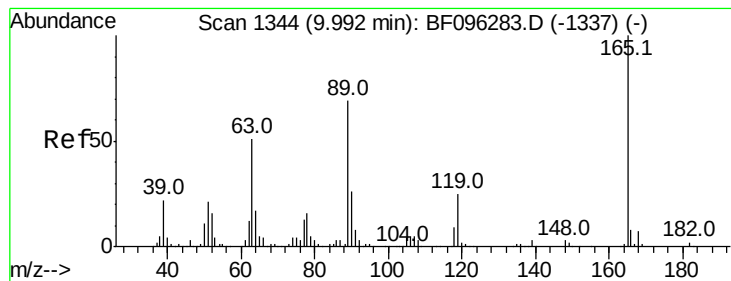
#49
 Dimethylphthalate
 Concen: 10.19 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF096358.D
 Acq: 1 Jul 2017 1:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.4	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





#56

2,4-Dinitrotoluene

Concen: 6.83 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.22 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 27676

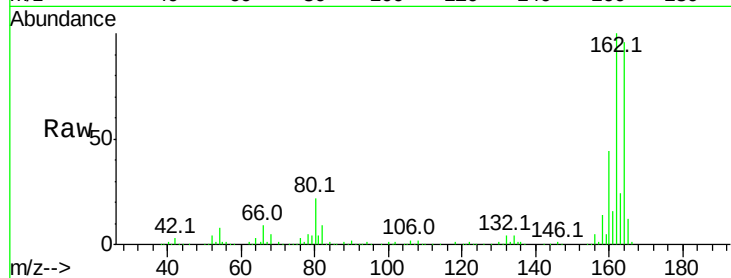
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

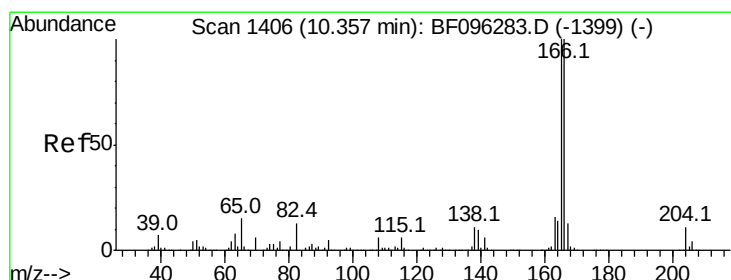
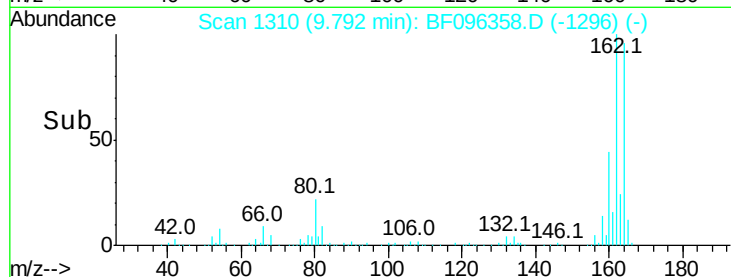
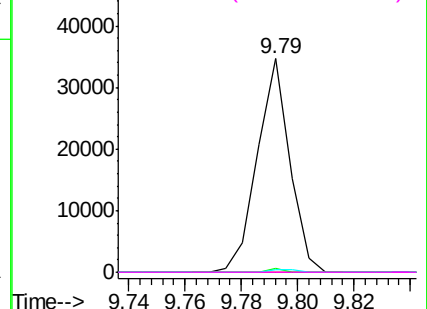


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.33 min Scan# 1402

Delta R.T. -0.03 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

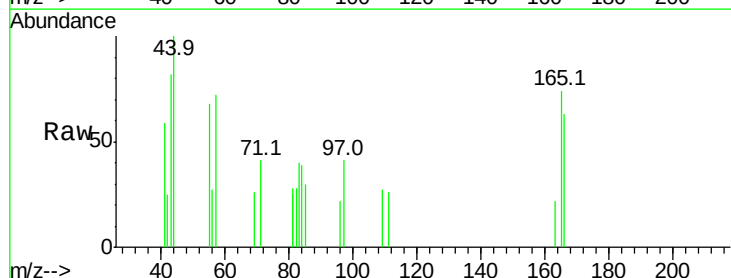
Tgt Ion:166 Resp: 555

Ion Ratio Lower Upper

166 100

165 116.5 78.8 118.2

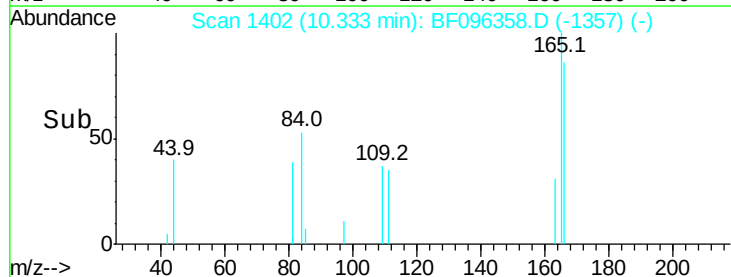
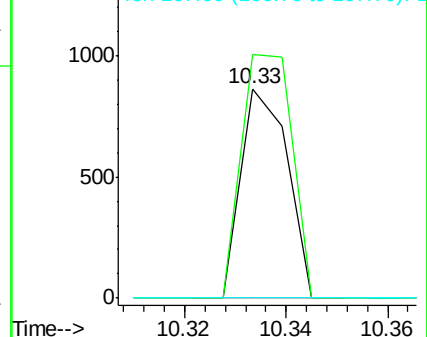
167 0.0 10.6 16.0#

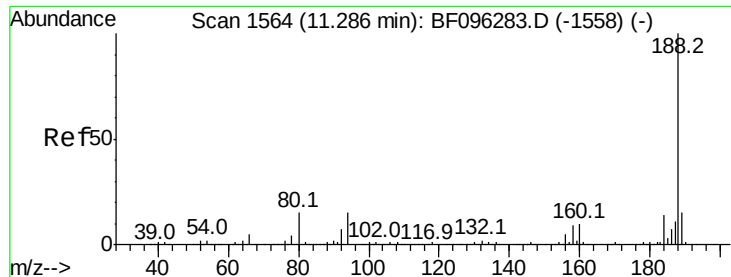


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

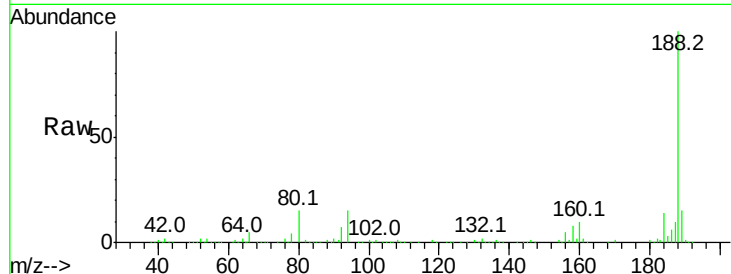




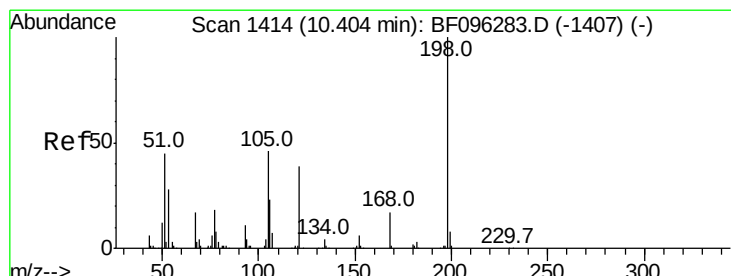
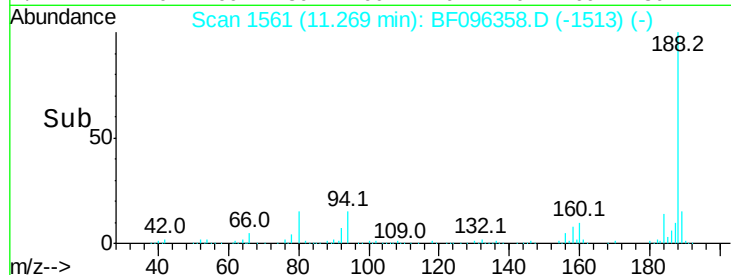
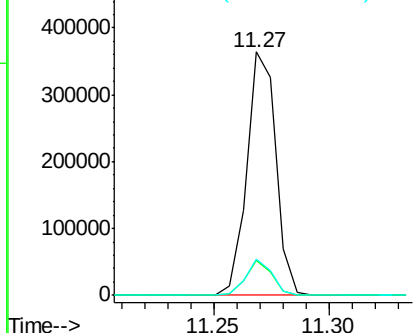
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 320431
Ion Ratio Lower Upper
188 100
94 14.5 9.4 14.2#
80 15.1 10.2 15.2

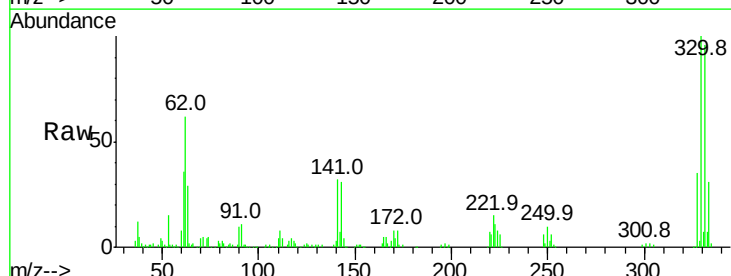


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

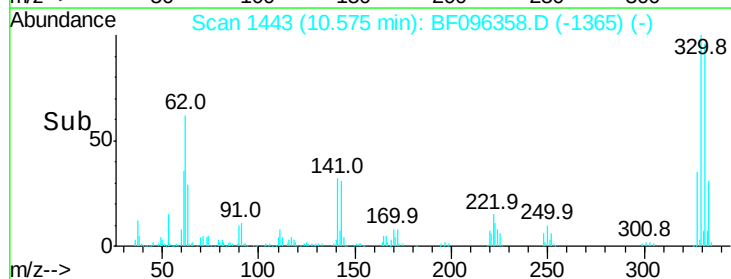
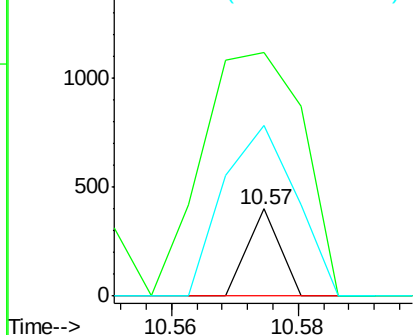


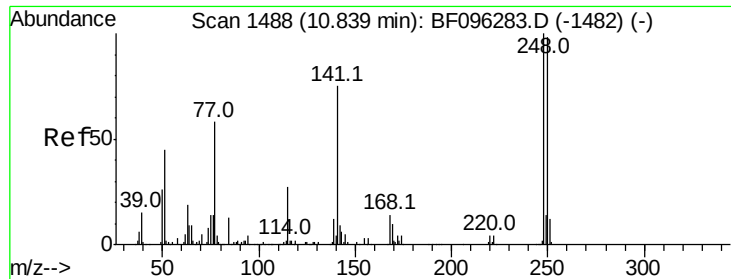
#64
4,6-Dinitro-2-methylphenol
Concen: 8.82 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.16 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Tgt Ion:198 Resp: 142
Ion Ratio Lower Upper
198 100
51 278.8 53.2 93.2#
105 195.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

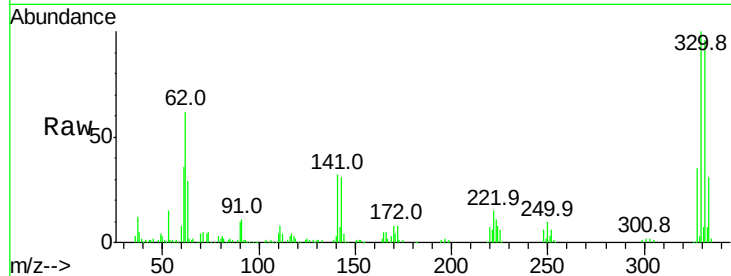




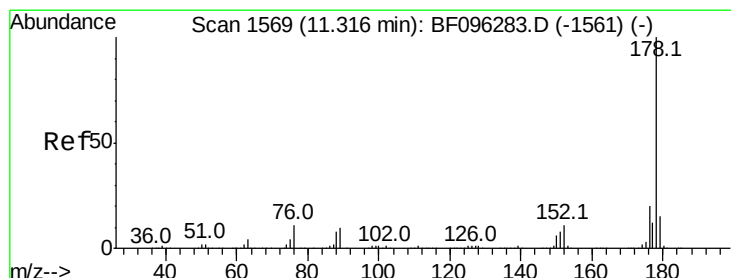
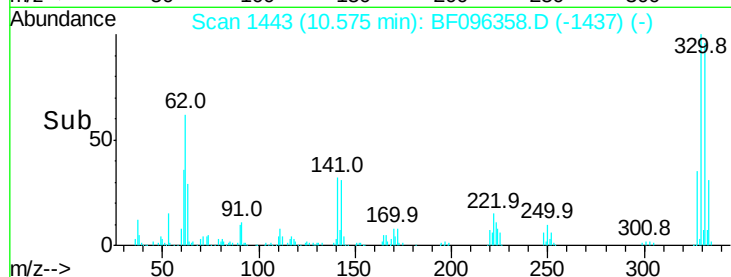
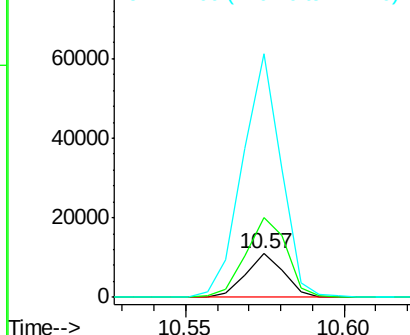
#66
4-Bromophenyl-phenylether
Concen: 2.81 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.26 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9256
Ion Ratio Lower Upper
248 100
250 183.5 76.8 115.2#
141 562.3 68.6 103.0#

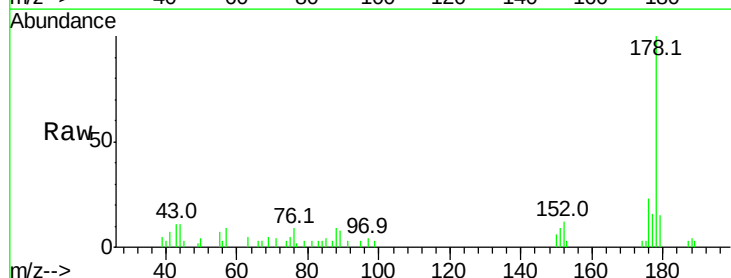


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

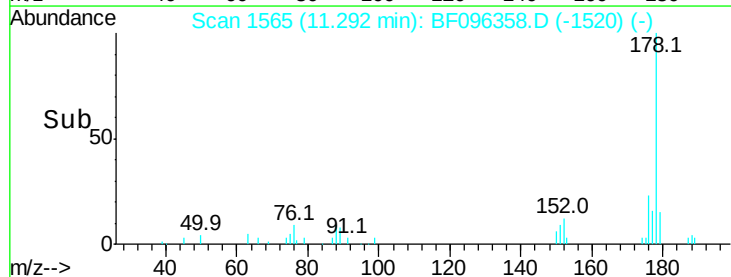
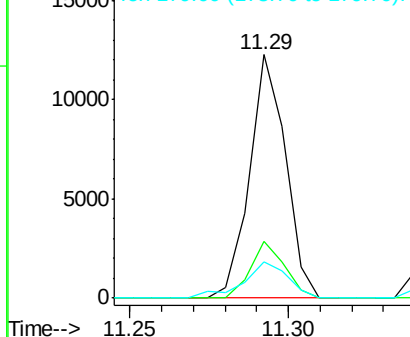


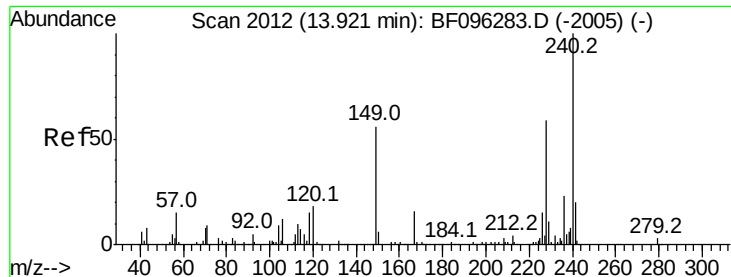
#70
Phenanthrene
Concen: Below Cal
RT: 11.29 min Scan# 1565
Delta R.T. -0.03 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Tgt Ion:178 Resp: 9652
Ion Ratio Lower Upper
178 100
176 23.2 16.2 24.4
179 15.1 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: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

Instrument :

BNA_F

ClientSampleId :

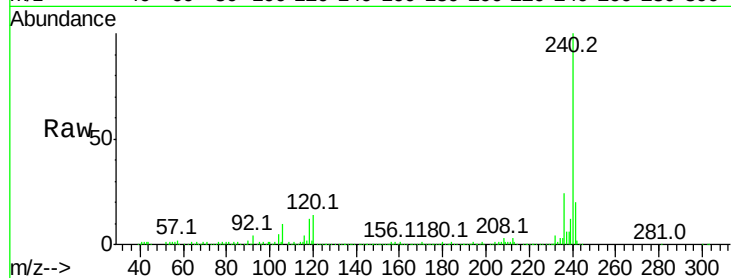
Tot Ion:240 Resp: 316274

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

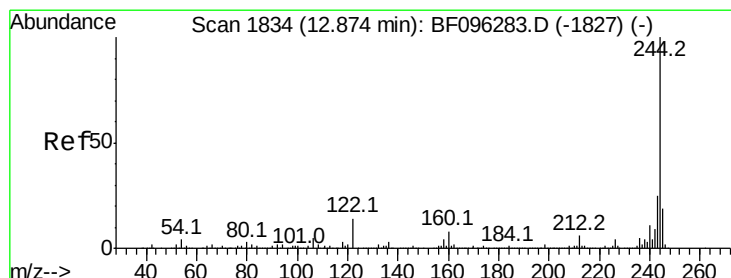
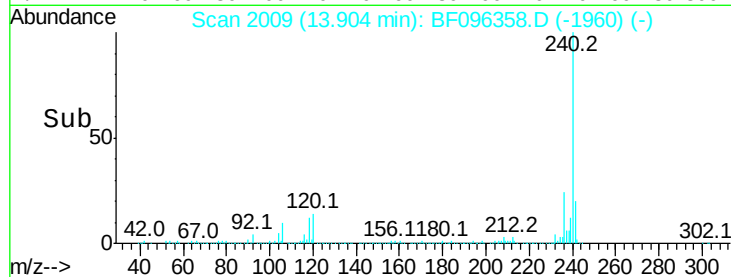
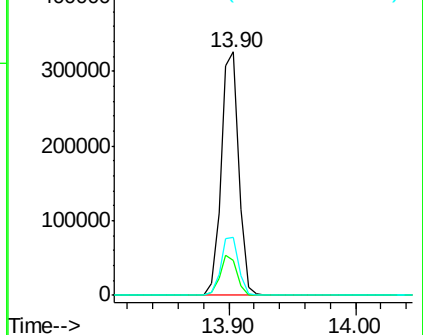
236 23.8 20.5 30.7



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: 41.70 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF096358.D

Acq: 1 Jul 2017 1:28

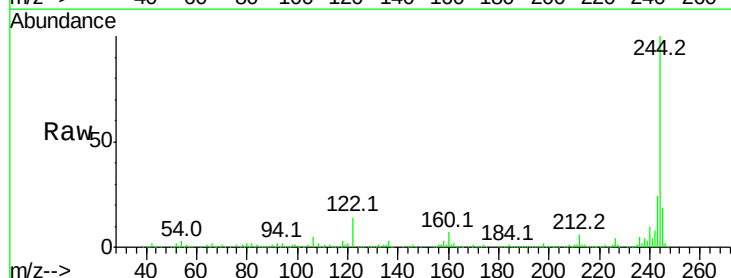
Tgt Ion:244 Resp: 528590

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

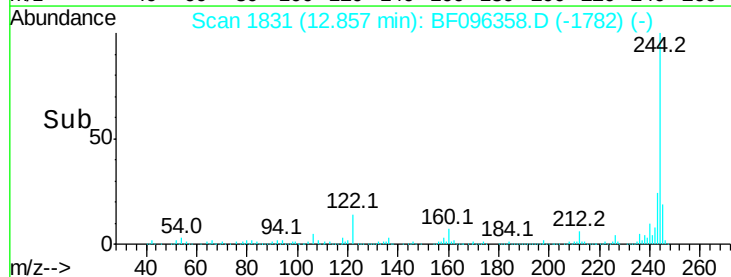
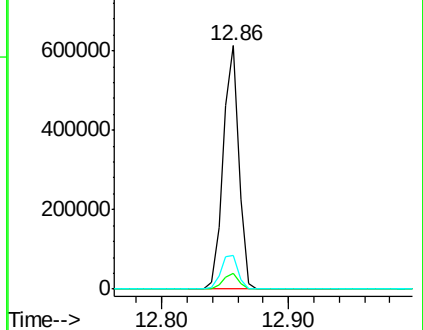
122 13.6 10.3 15.5

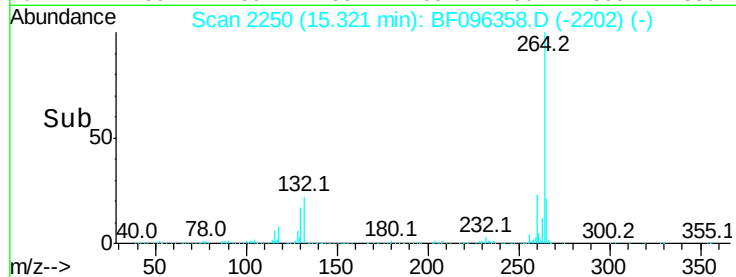
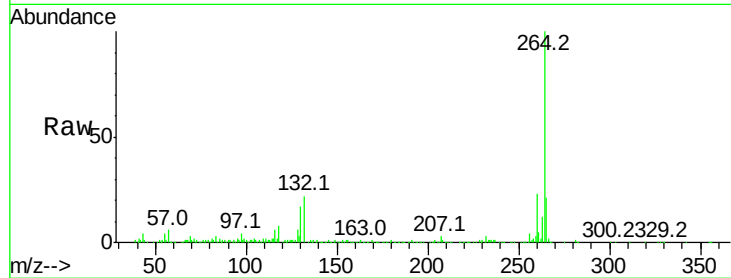
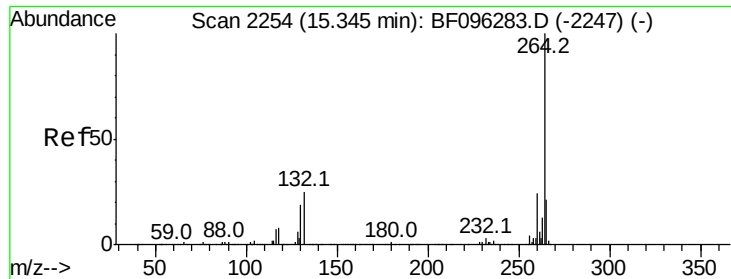


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF096358.D
Acq: 1 Jul 2017 1:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.2	17.2	25.8

