

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097003.D
 Acq On : 24 Jul 2017 23:37
 Operator : SJ/JU
 Sample : I4399-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 01:46:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:37:00 2017
 Response via : Initial Calibration

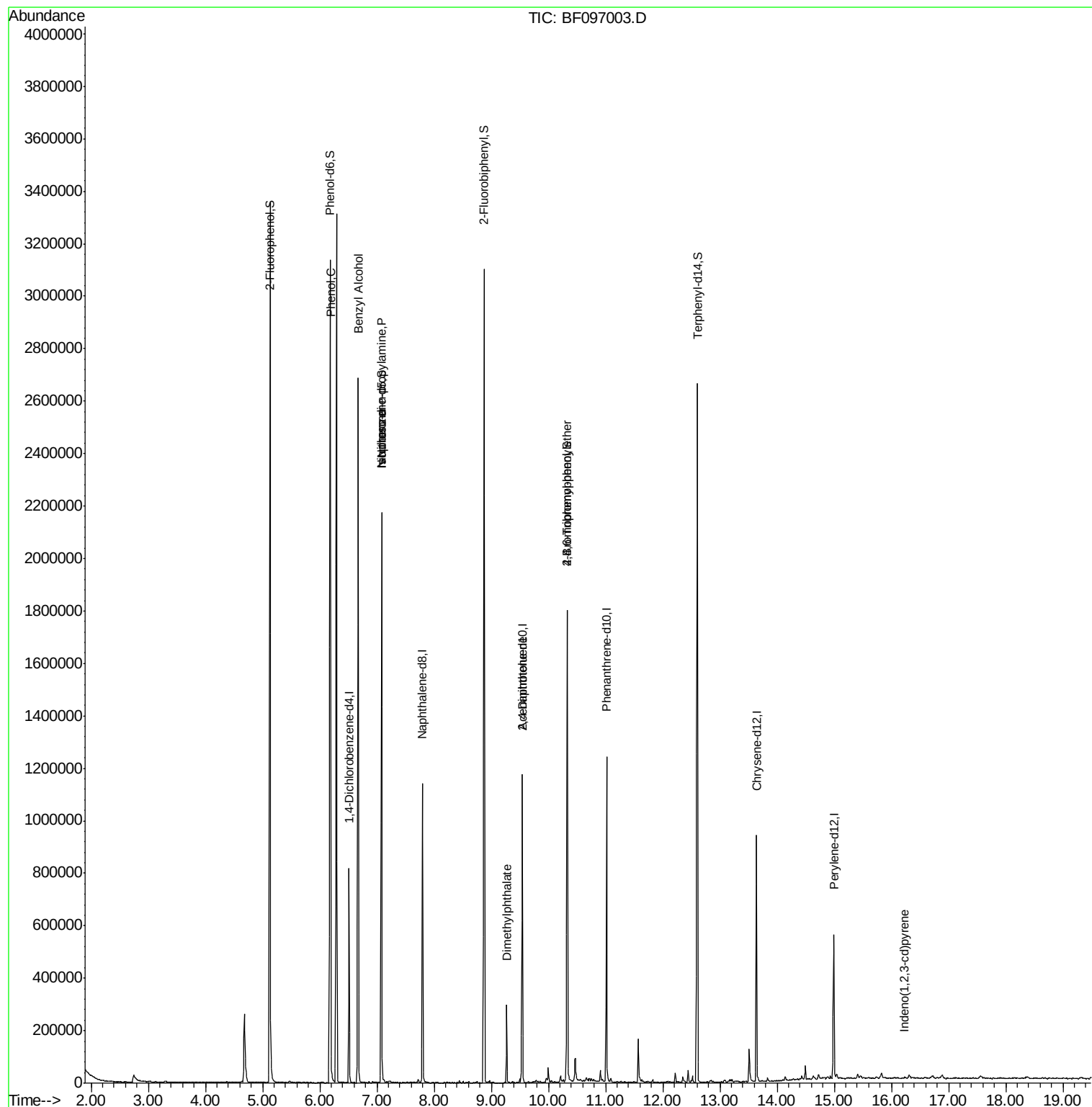
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	119907	20.00	ng	-0.03
21) Naphthalene-d8	7.79	136	544045	20.00	ng	-0.04
38) Acenaphthene-d10	9.54	164	233190	20.00	ng	-0.04
63) Phenanthrene-d10	11.02	188	417428	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	302291	20.00	ng	-0.04
86) Perylene-d12	14.99	264	210503	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1035527	129.85	ng	-0.02
7) Phenol-d6	6.18	99	1319751	137.91	ng	-0.04
23) Nitrobenzene-d5	7.08	82	761706	86.72	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	241215	121.18	ng	-0.03
44) 2-Fluorobiphenyl	8.87	172	1169162	79.21	ng	-0.04
78) Terphenyl-d14	12.60	244	909865	52.20	ng	-0.03
Target Compounds						
10) Phenol	6.19	94	31185	2.88	ng	Qvalue 96
15) Benzyl Alcohol	6.67	79	14121	2.25	ng	# 37
19) n-Nitroso-di-n-propylamine	7.08	70	102598	17.80	ng	# 88
25) Isophorone	7.08	82	758787	46.44	ng	# 67
49) Dimethylphthalate	9.27	163	117669	6.70	ng	# 99
56) 2,4-Dinitrotoluene	9.54	165	29656	6.07	ng	# 33
66) 4-Bromophenyl-phenylether	10.33	248	15319	3.59	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.23	276	2289	3.46	ng	# 82

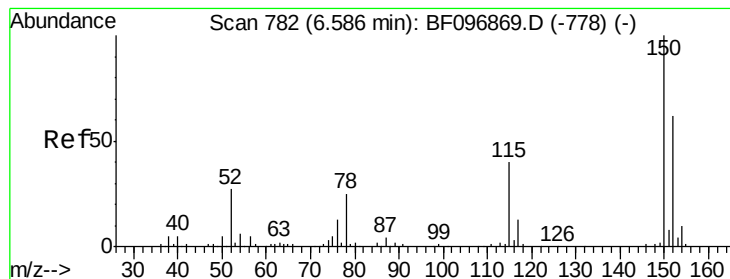
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
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QLast Update : Tue Jul 25 01:37:00 2017
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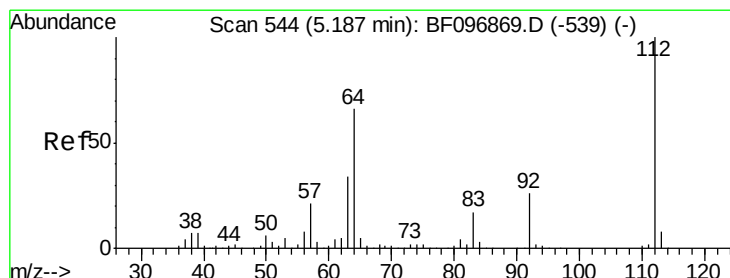
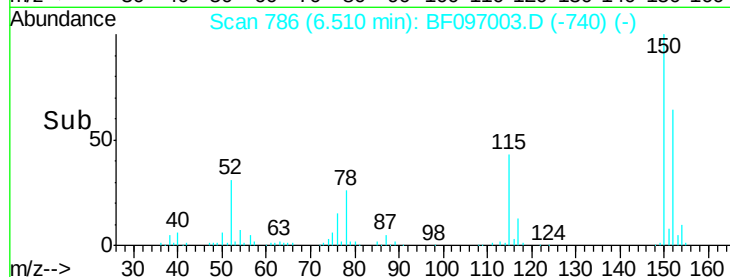
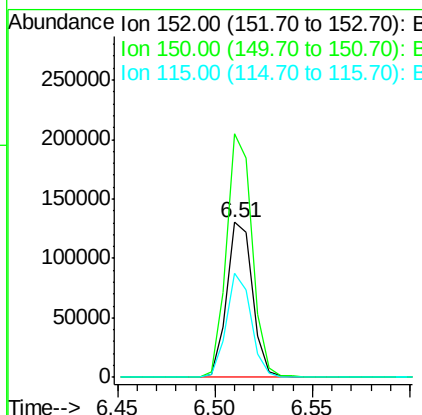
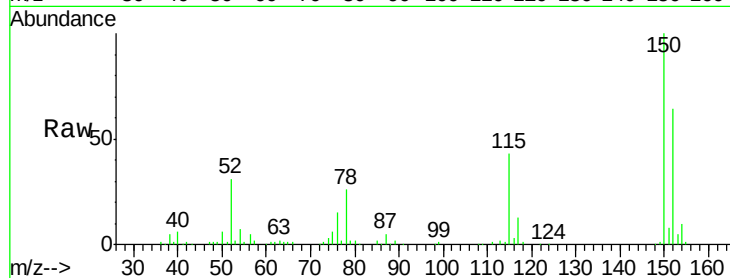


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.03 min
Lab File: BF097003.D
Acq: 24 Jul 2017 23:37

Instrument :
BNA_F
ClientSampleId :

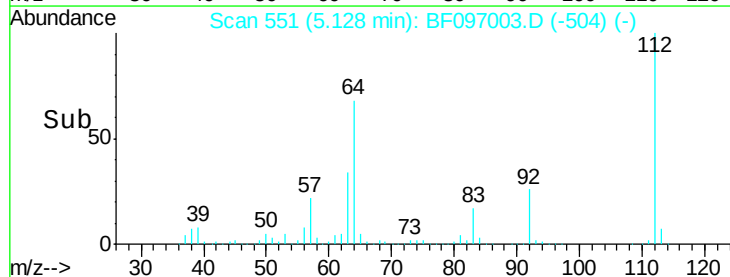
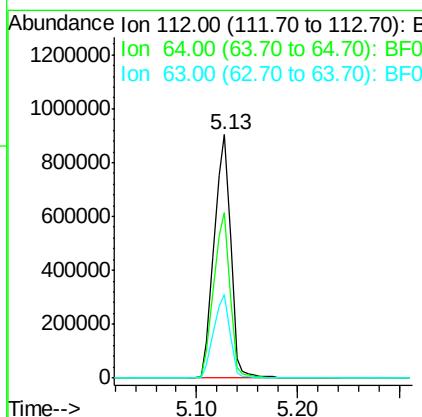
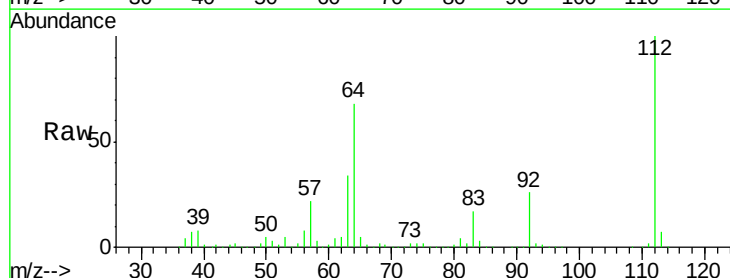
Tot Ion:152 Resp: 119907
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 67.4 52.2 78.2

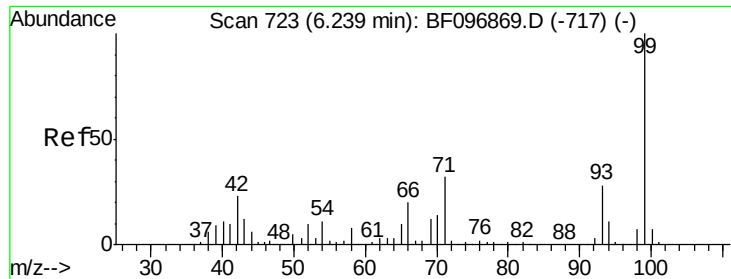


#5

2-Fluorophenol
Concen: 129.85 ng
RT: 5.13 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF097003.D
Acq: 24 Jul 2017 23:37

Tgt Ion:112 Resp: 1035527
Ion Ratio Lower Upper
112 100
64 68.1 46.0 69.0
63 34.2 23.4 35.0





#7

Phenol-d6

Concen: 137.91 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.04 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

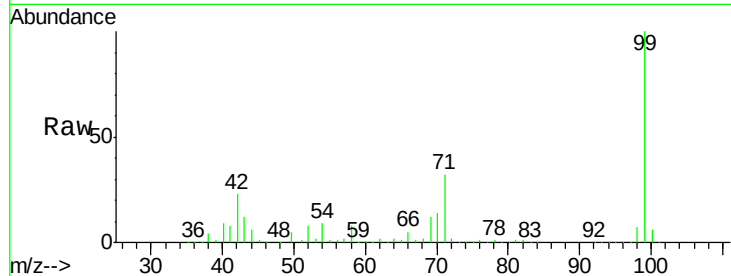
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1319751

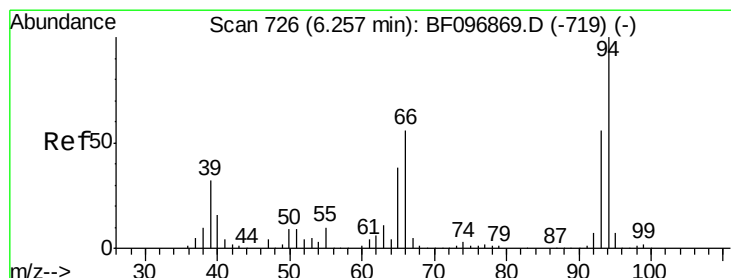
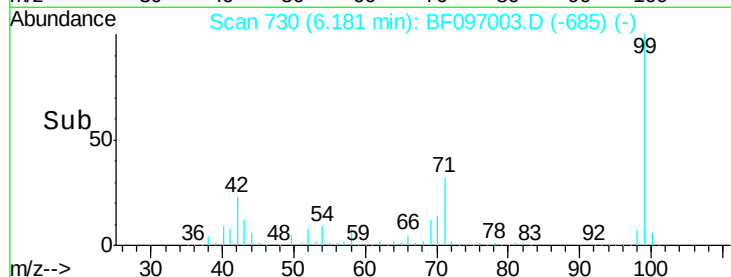
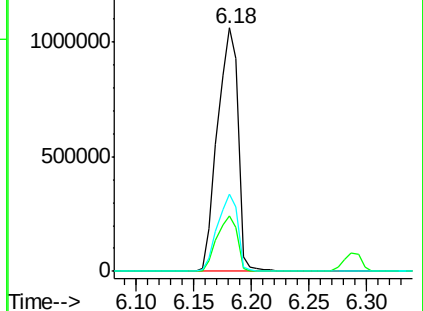
Ion	Ratio	Lower	Upper
99	100		
42	22.9	13.5	20.3#
71	32.0	24.5	36.7



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



#10

Phenol

Concen: 2.88 ng

RT: 6.19 min Scan# 732

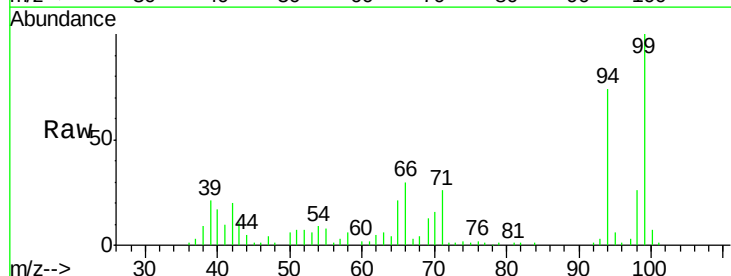
Delta R.T. -0.04 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

Tgt Ion: 94 Resp: 31185

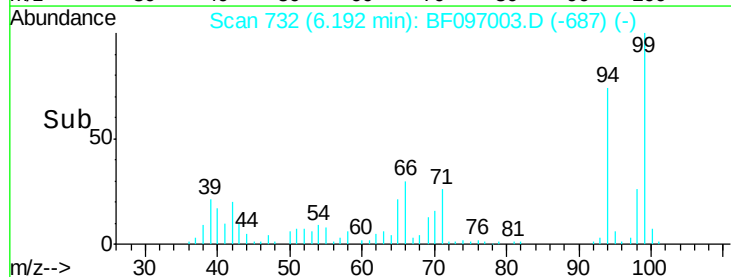
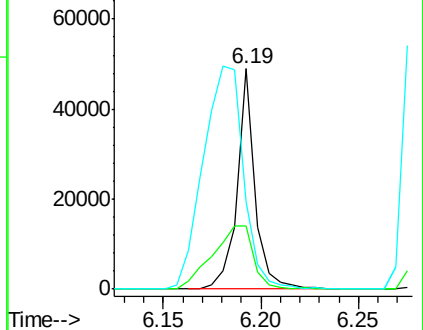
Ion	Ratio	Lower	Upper
94	100		
65	28.7	9.9	49.9
66	39.8	23.1	63.1

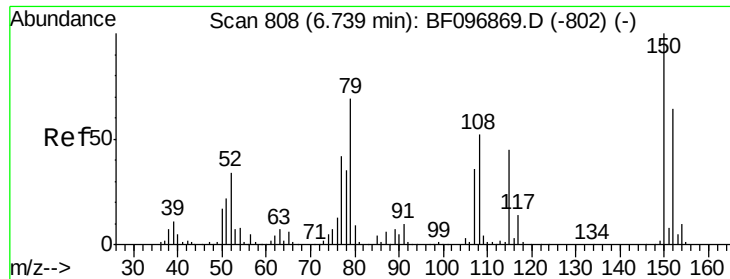


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

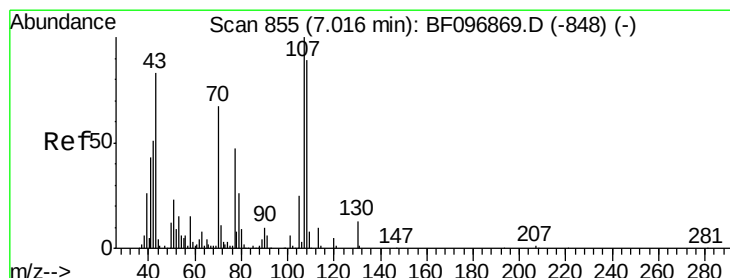
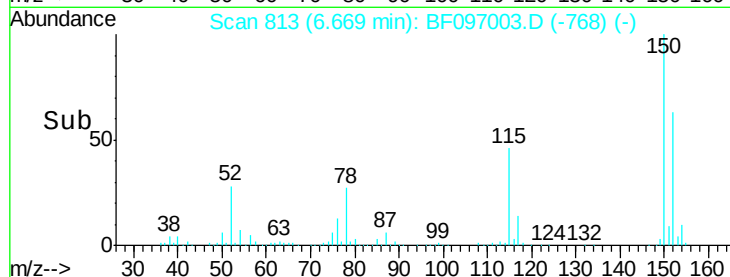
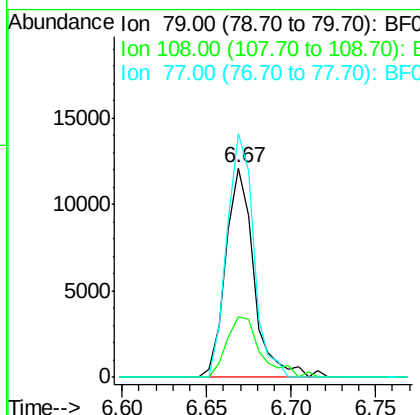
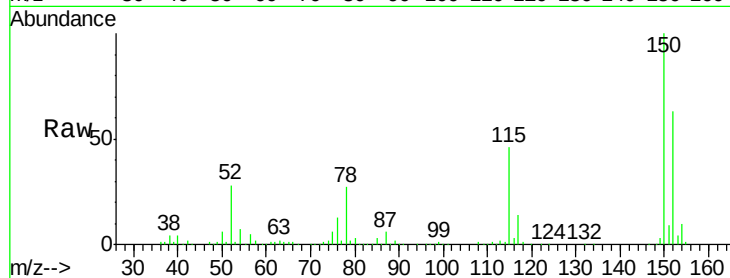




#15
Benzyl Alcohol
Concen: 2.25 ng
RT: 6.67 min Scan# 813
Delta R.T. -0.04 min
Lab File: BF097003.D
Acq: 24 Jul 2017 23:37

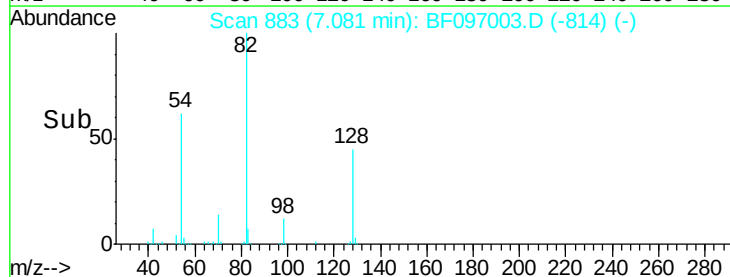
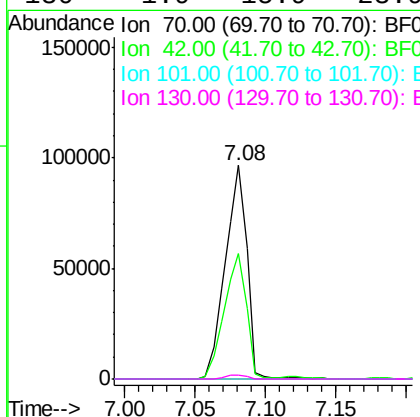
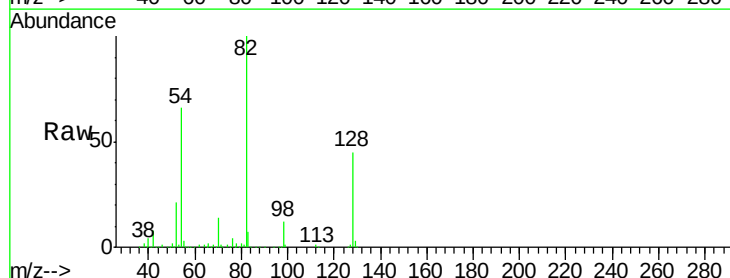
Instrument :
BNA_F
ClientSampled :

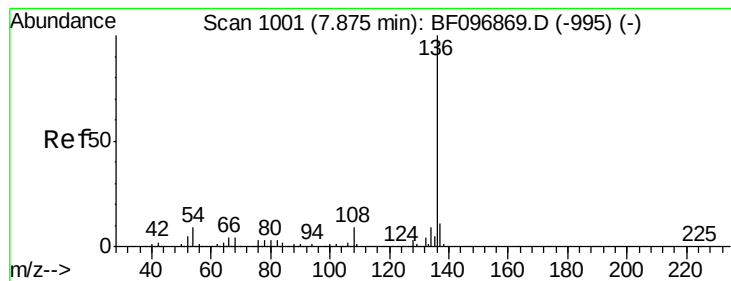
Tot Ion: 79 Resp: 14121
Ion Ratio Lower Upper
79 100
108 29.2 63.4 95.0#
77 116.3 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 17.80 ng
RT: 7.08 min Scan# 883
Delta R.T. 0.11 min
Lab File: BF097003.D
Acq: 24 Jul 2017 23:37

Tgt Ion: 70 Resp: 102598
Ion Ratio Lower Upper
70 100
42 58.7 47.2 70.8
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.79 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF097003.D

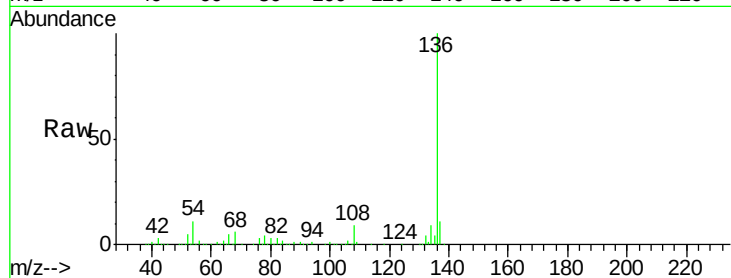
Acq: 24 Jul 2017 23:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	544045
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.5 12.7
54	10.8	4.9 7.3#
68	6.1	4.1 6.1

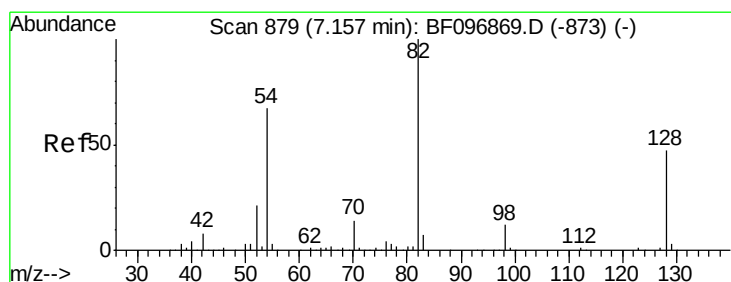
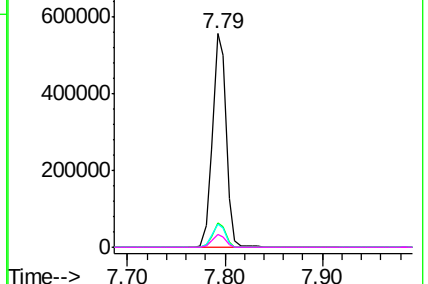
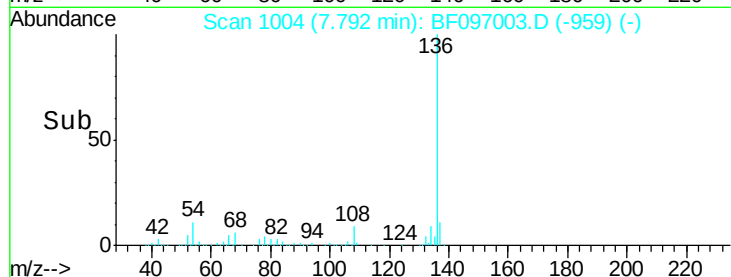


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.72 ng

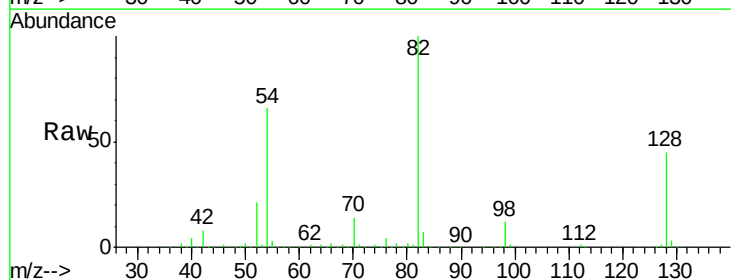
RT: 7.08 min Scan# 883

Delta R.T. -0.04 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

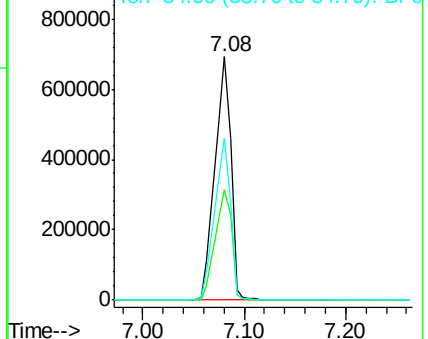
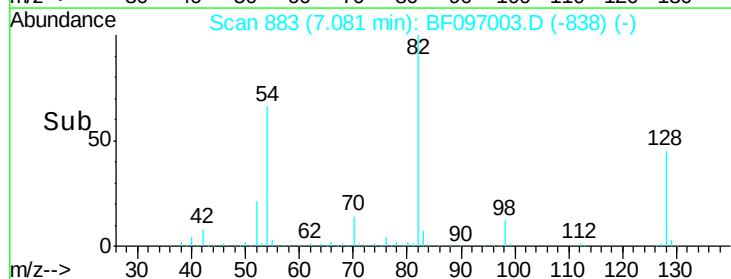
Tgt Ion: 82	Resp:	761706
Ion	Ratio	Lower Upper
82	100	
128	45.5	34.0 51.0
54	66.5	42.2 63.2#

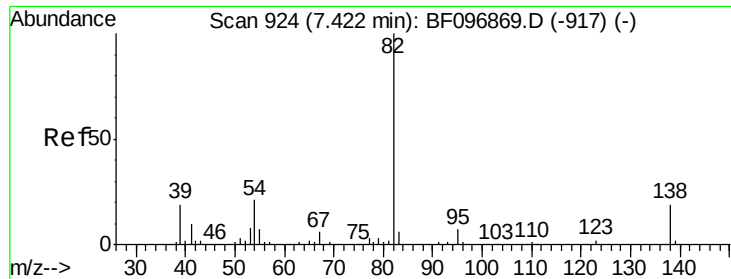


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.44 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.29 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

Instrument :

BNA_F

ClientSampleId :

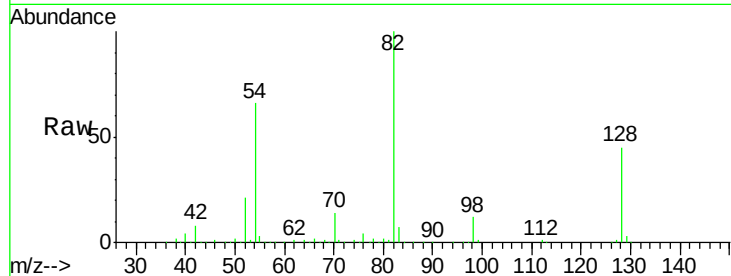
Tot Ion: 82 Resp: 758787

Ion Ratio Lower Upper

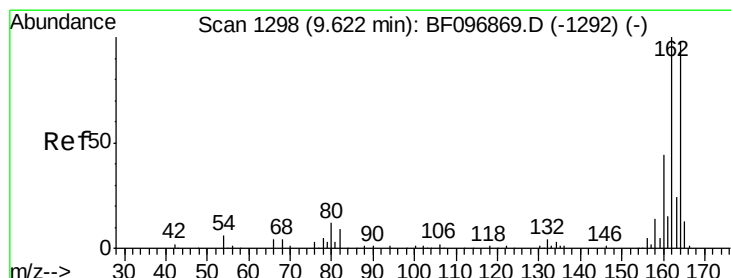
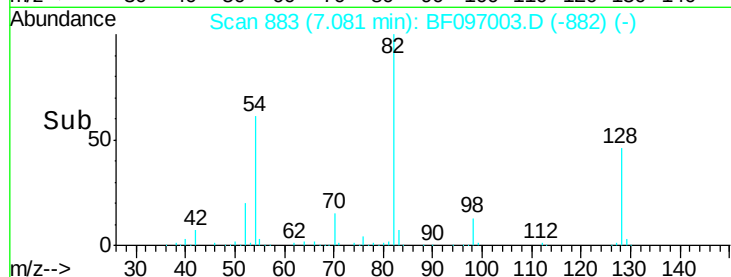
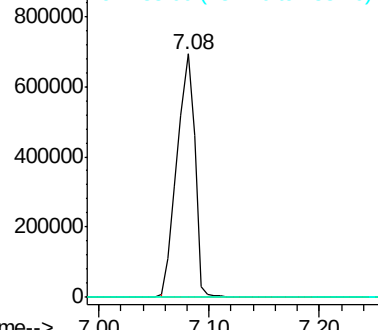
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.04 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

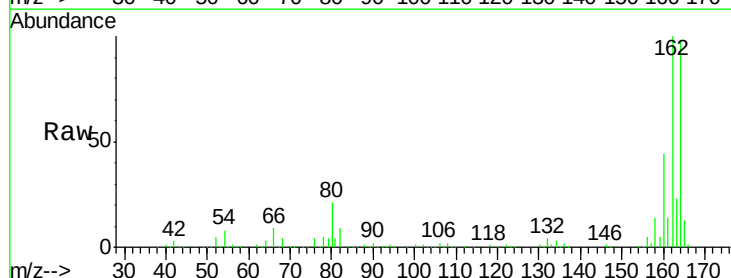
Tgt Ion: 164 Resp: 233190

Ion Ratio Lower Upper

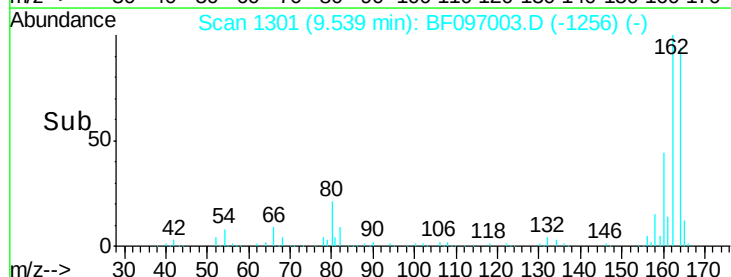
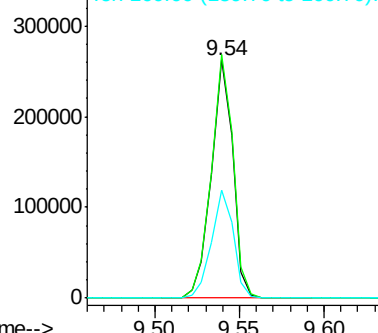
164 100

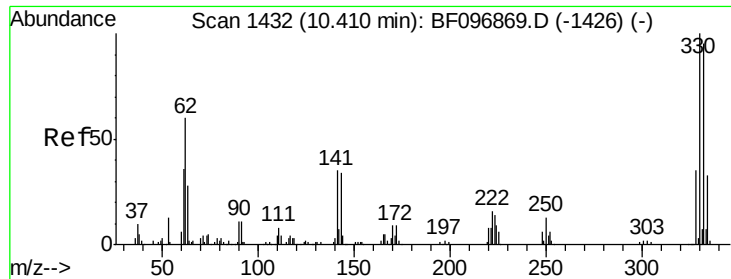
162 102.1 82.6 123.8

160 45.2 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: 121.18 ng

RT: 10.33 min Scan# 1436

Delta R.T. -0.03 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

Instrument :

BNA_F

ClientSampleId :

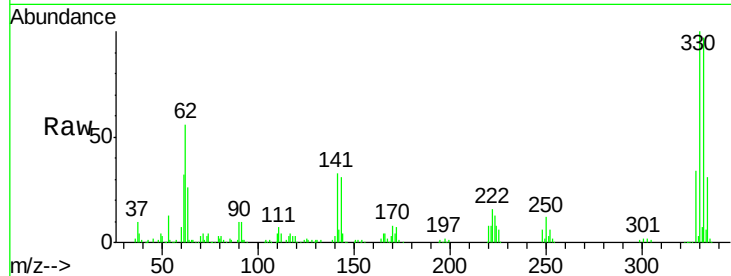
Tot Ion:330 Resp: 241215

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

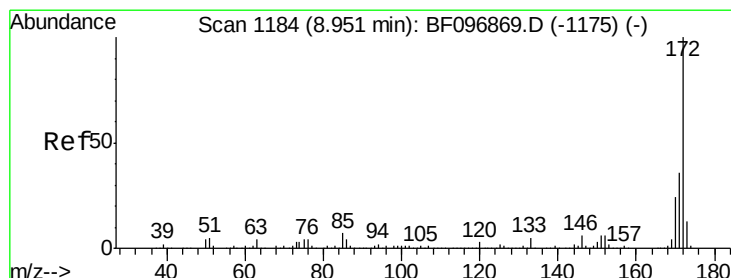
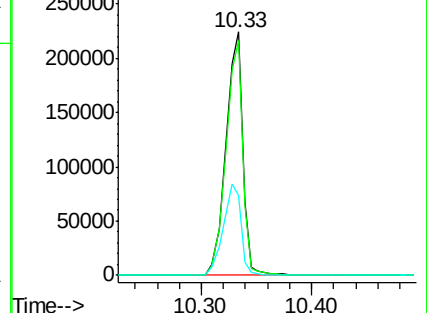
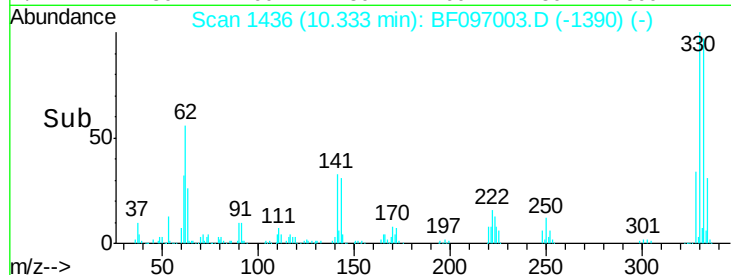
141 39.0 31.4 47.2



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: 79.21 ng

RT: 8.87 min Scan# 1188

Delta R.T. -0.04 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

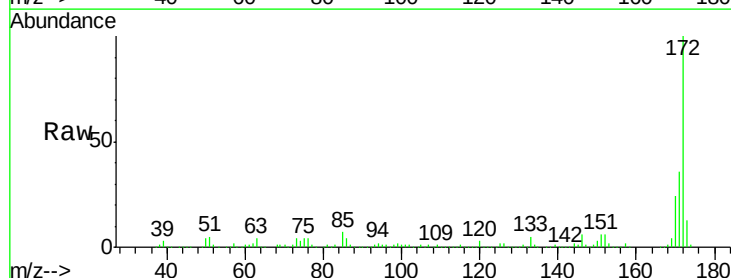
Tgt Ion:172 Resp: 1169162

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

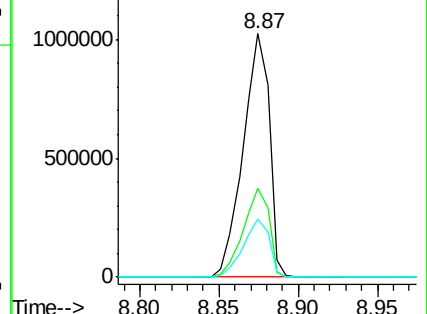
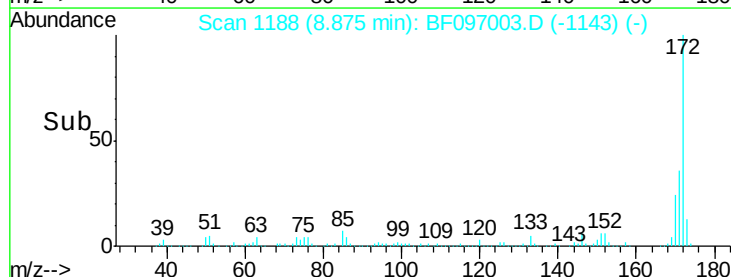
170 23.6 19.8 29.8

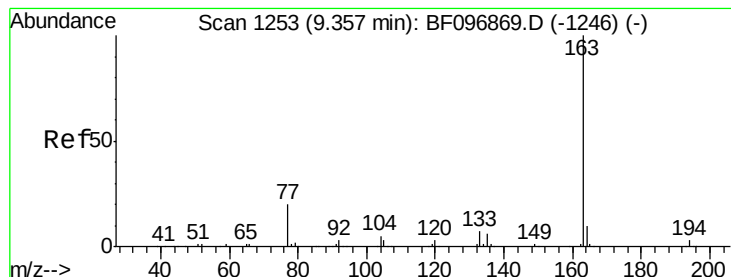


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.70 ng

RT: 9.27 min Scan# 1255

Delta R.T. -0.05 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

Instrument :

BNA_F

ClientSampleId :

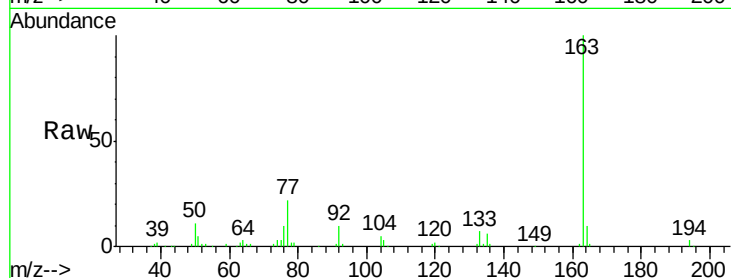
Tot Ion:163 Resp: 117669

Ion Ratio Lower Upper

163 100

194 2.6 2.6 4.0#

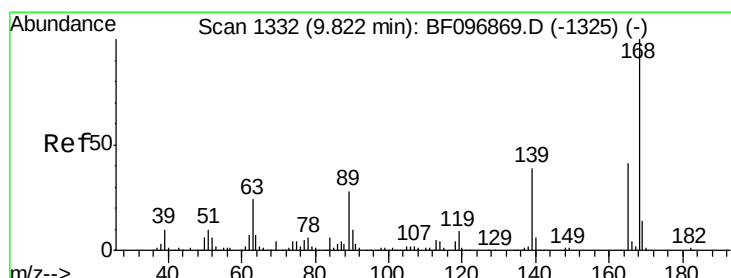
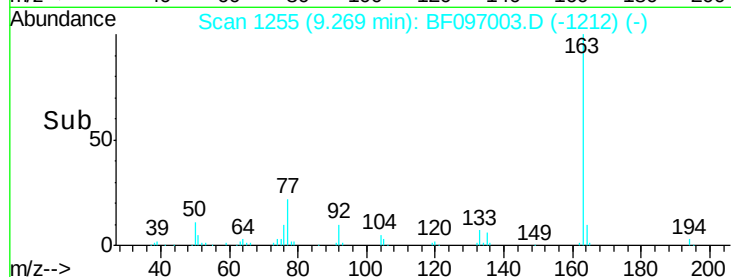
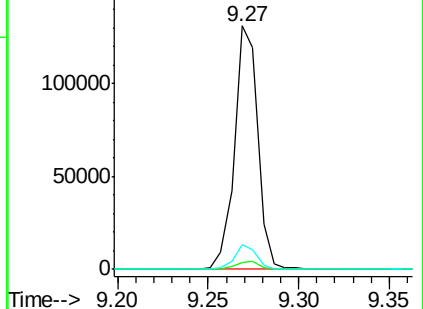
164 10.0 8.4 12.6



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: 6.07 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.24 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

Tgt Ion:165 Resp: 29656

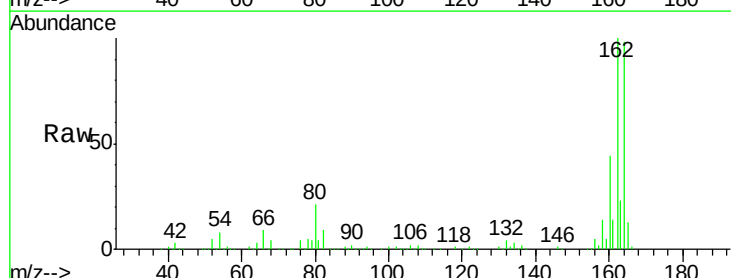
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

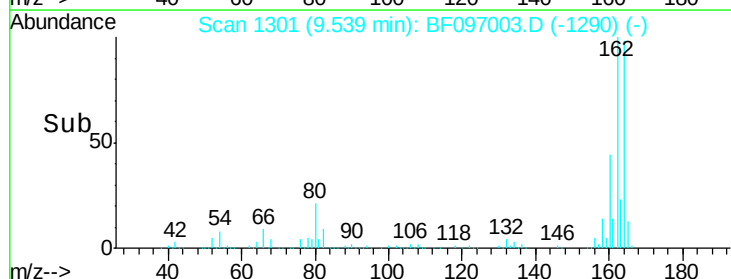
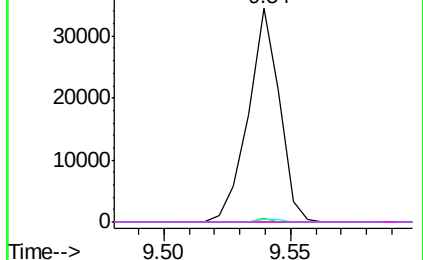


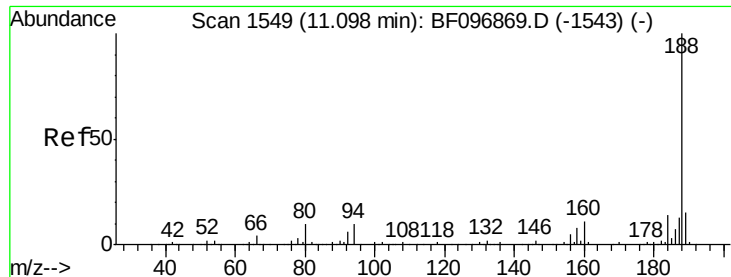
Abundance Ion 165.00 (164.70 to 165.70): E

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

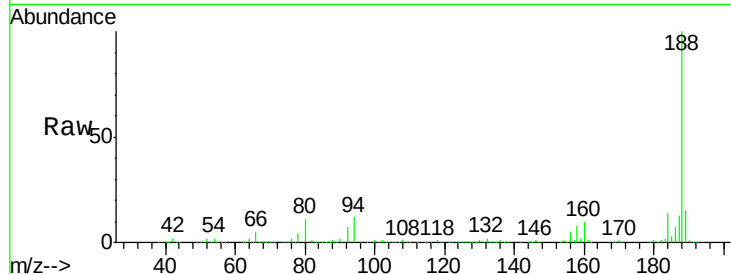




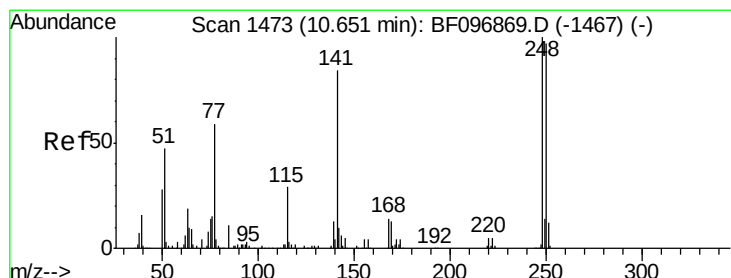
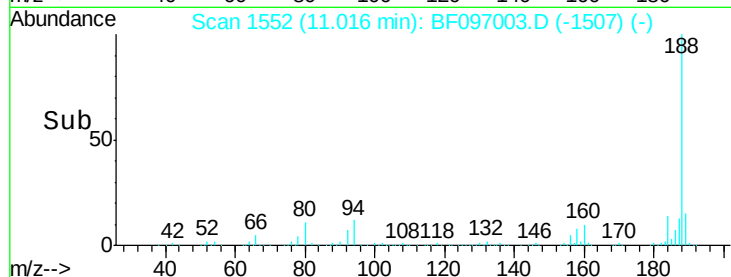
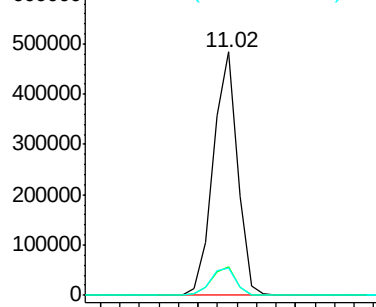
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.04 min
Lab File: BF097003.D
Acq: 24 Jul 2017 23:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 417428
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.2
80 11.5 10.2 15.2

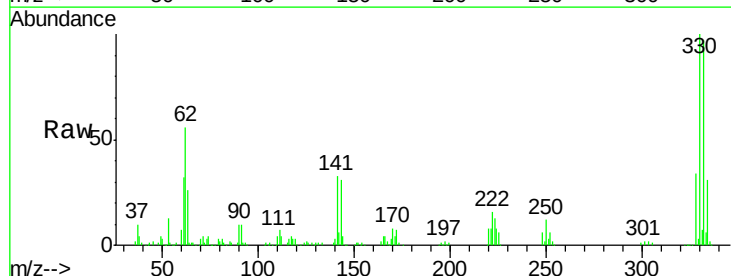


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

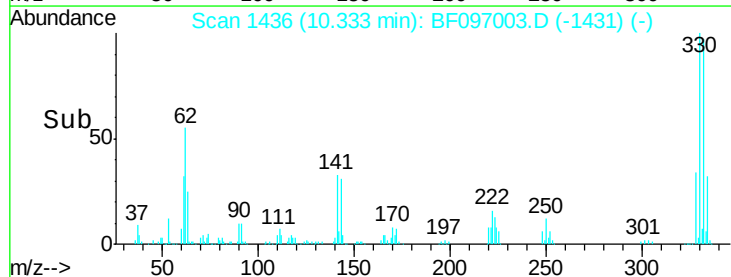
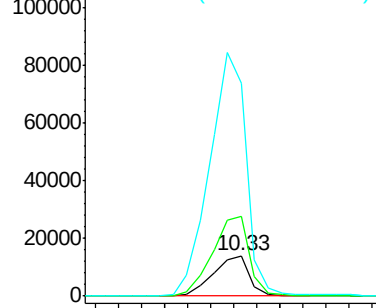


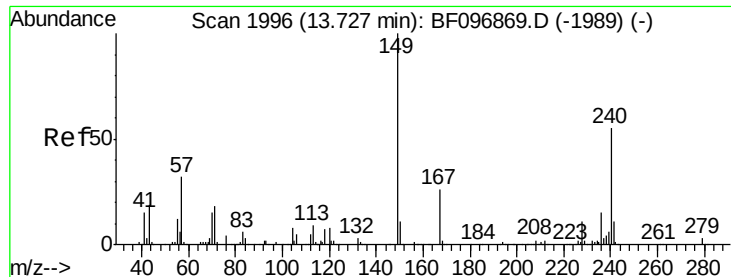
#66
4-Bromophenyl-phenylether
Concen: 3.59 ng
RT: 10.33 min Scan# 1436
Delta R.T. -0.27 min
Lab File: BF097003.D
Acq: 24 Jul 2017 23:37

Tgt Ion:248 Resp: 15319
Ion Ratio Lower Upper
248 100
250 196.4 76.8 115.2#
141 524.0 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

Instrument :

BNA_F

ClientSampleId :

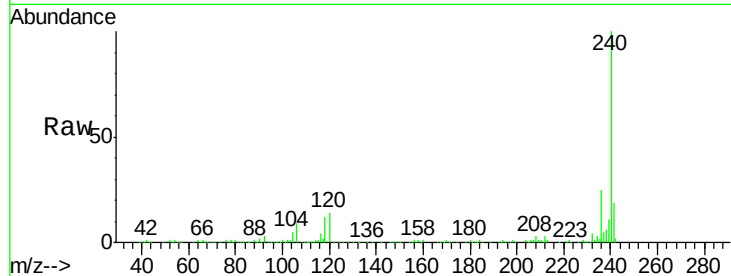
Tot Ion:240 Resp: 302291

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

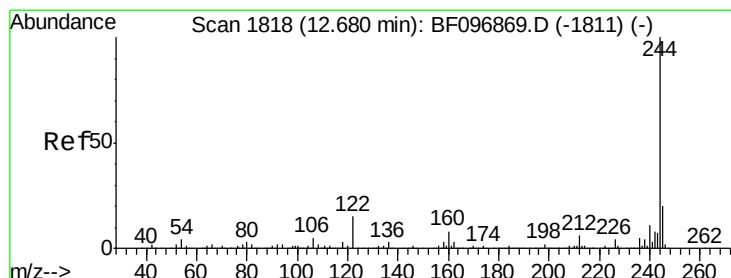
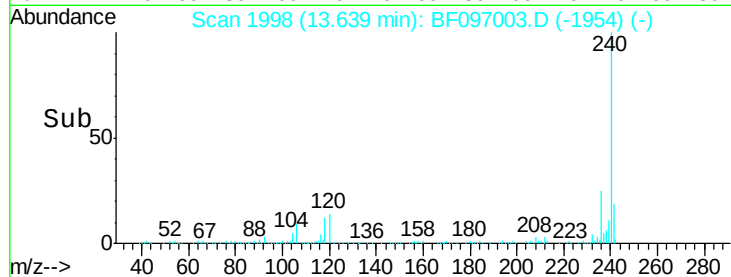
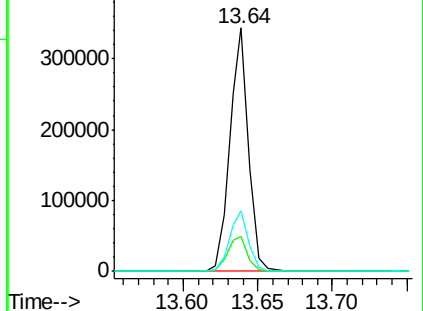
236 25.1 20.5 30.7



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: 52.20 ng

RT: 12.60 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF097003.D

Acq: 24 Jul 2017 23:37

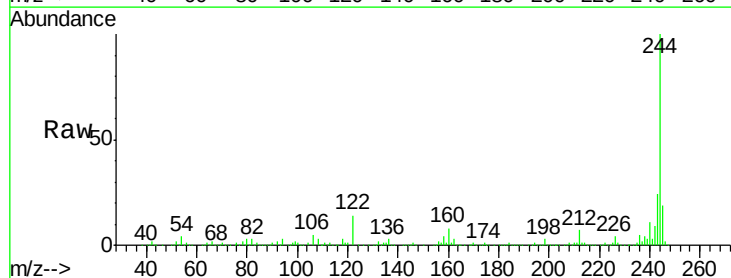
Tgt Ion:244 Resp: 909865

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

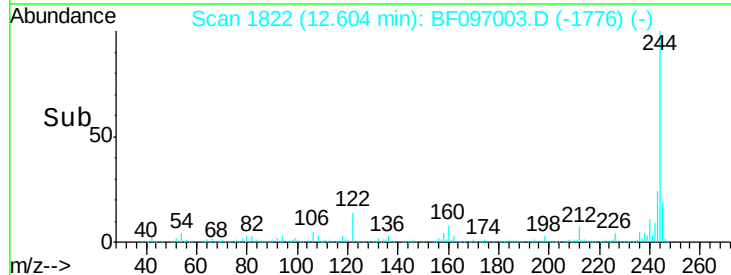
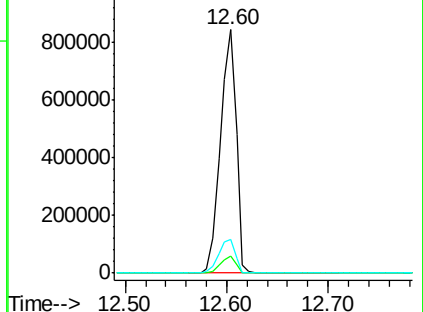
122 14.1 10.3 15.5

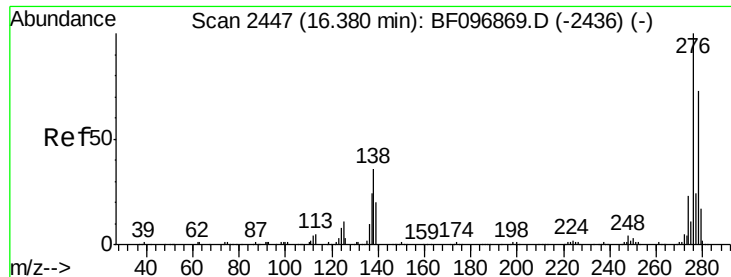


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

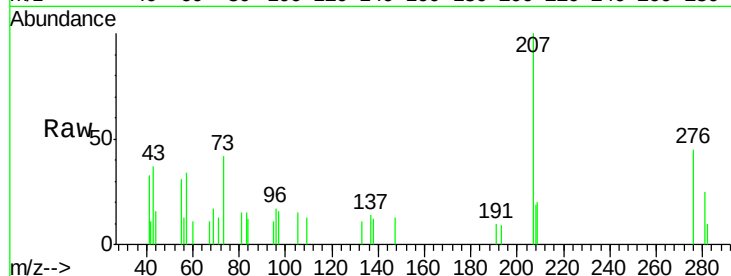




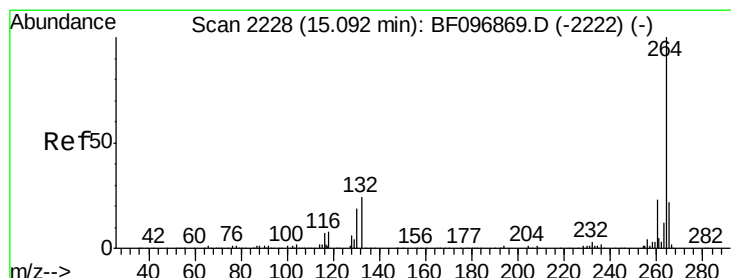
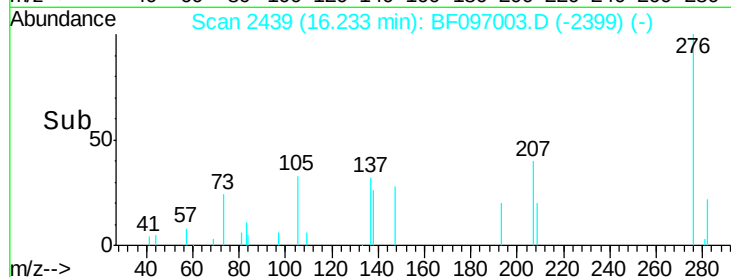
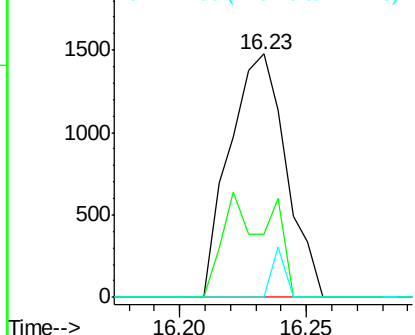
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.46 ng
 RT: 16.23 min Scan# 2439
 Delta R.T. -0.06 min
 Lab File: BF097003.D
 Acq: 24 Jul 2017 23:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 2289
 Ion Ratio Lower Upper
 276 100
 138 35.7 27.8 41.6
 277 4.7 20.2 30.4#

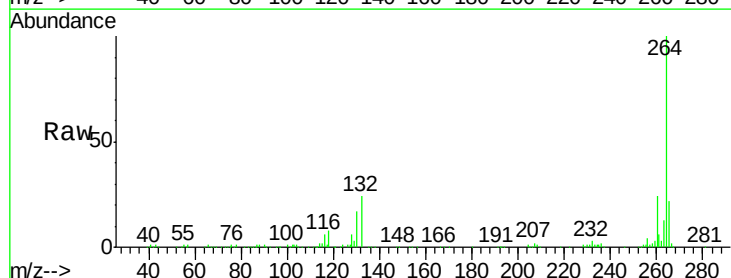


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2228
 Delta R.T. -0.04 min
 Lab File: BF097003.D
 Acq: 24 Jul 2017 23:37

Tgt Ion:264 Resp: 210503
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 22.4 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

