

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071217\
 Data File : BF096703.D
 Acq On : 12 Jul 2017 20:35
 Operator : SJ/JU
 Sample : I4140-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 01:05:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

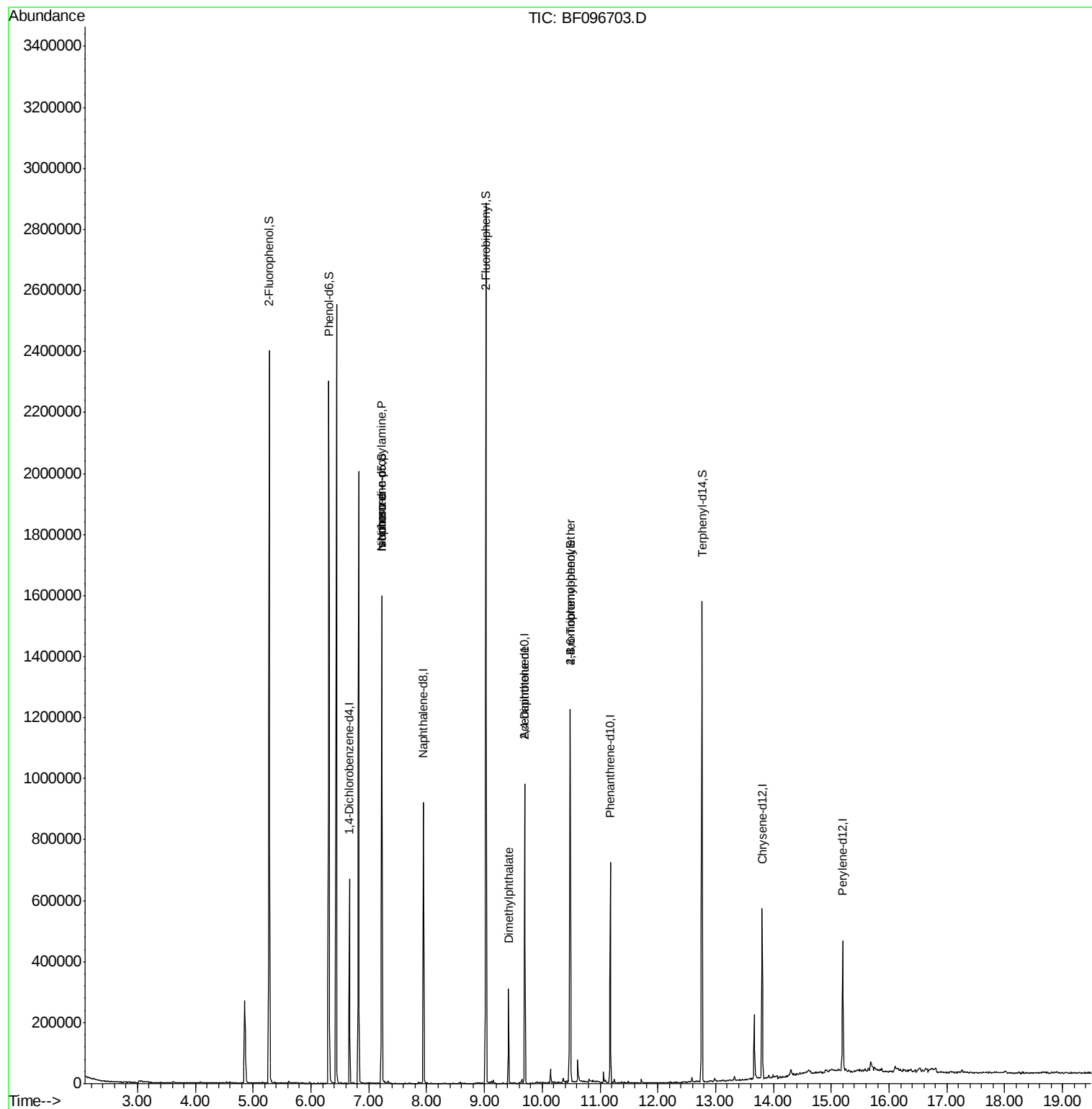
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	101843	20.00	ng	-0.04
21) Naphthalene-d8	7.95	136	422742	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	173760	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	246394	20.00	ng	-0.04
75) Chrysene-d12	13.80	240	179263	20.00	ng	-0.04
86) Perylene-d12	15.20	264	169542	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	692662	100.38	ng	-0.03
7) Phenol-d6	6.31	99	848943	100.08	ng	-0.04
23) Nitrobenzene-d5	7.23	82	491160	69.82	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	141948	104.58	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	907006	89.25	ng	-0.04
78) Terphenyl-d14	12.76	244	479146	57.11	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	64810	12.82	ng	# 88
25) Isophorone	7.23	82	487580	35.75	ng	# 67
49) Dimethylphthalate	9.42	163	123981	9.56	ng	# 99
56) 2,4-Dinitrotoluene	9.70	165	21320	5.87	ng	# 33
66) 4-Bromophenyl-phenylether	10.49	248	9711	4.05	ng	# 1

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

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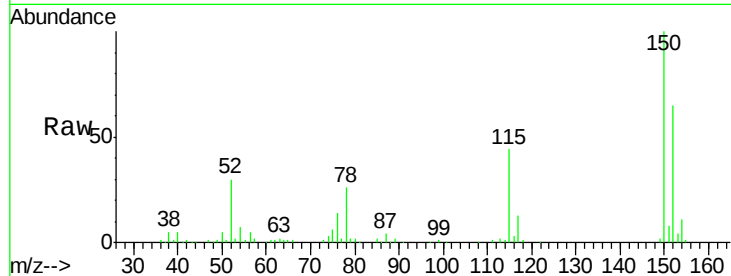


#1

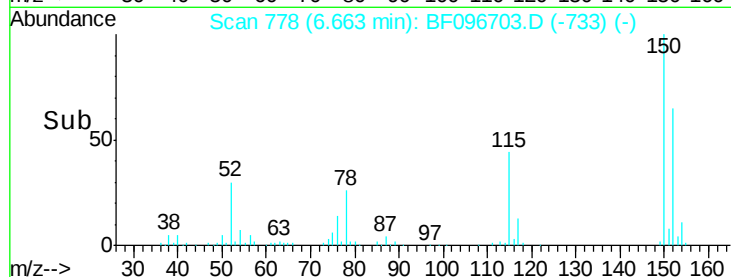
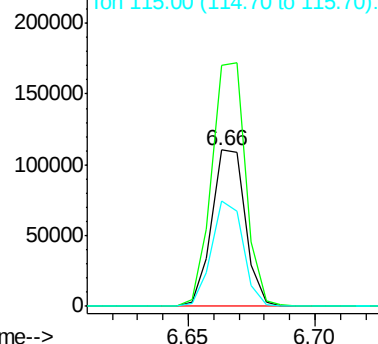
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101843
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.2
115 67.4 52.2 78.2



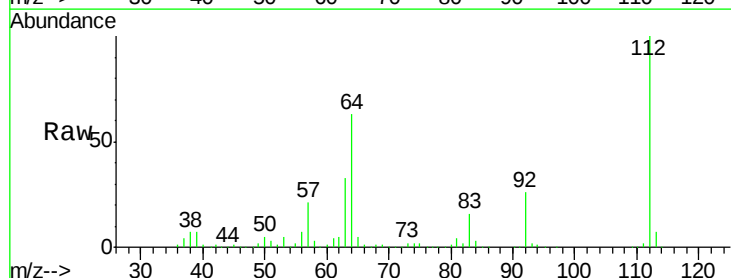
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



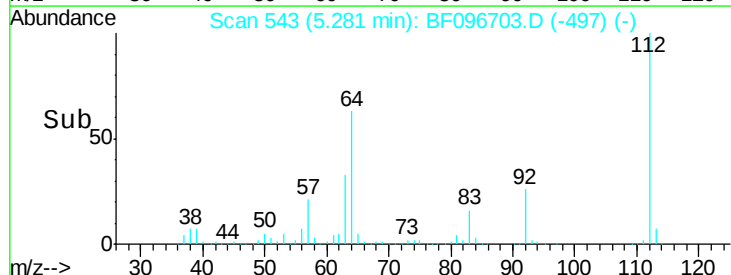
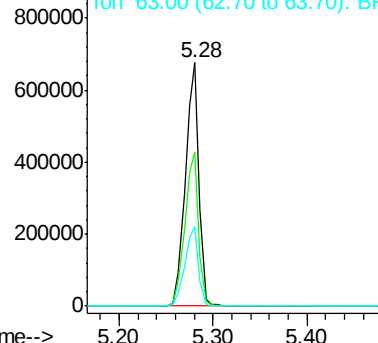
#5

2-Fluorophenol
Concen: 100.38 ng
RT: 5.28 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Tgt Ion:112 Resp: 692662
Ion Ratio Lower Upper
112 100
64 63.5 46.0 69.0
63 32.6 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: 100.08 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

Instrument :

BNA_F

ClientSampled :

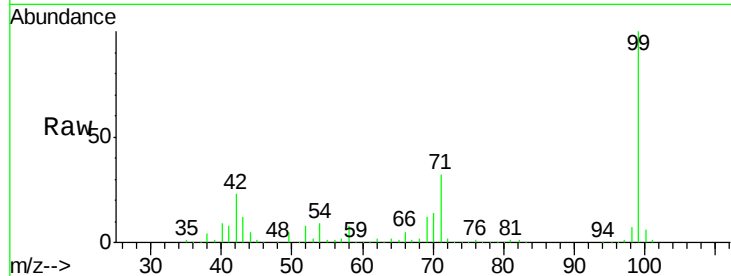
Tot Ion: 99 Resp: 848943

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

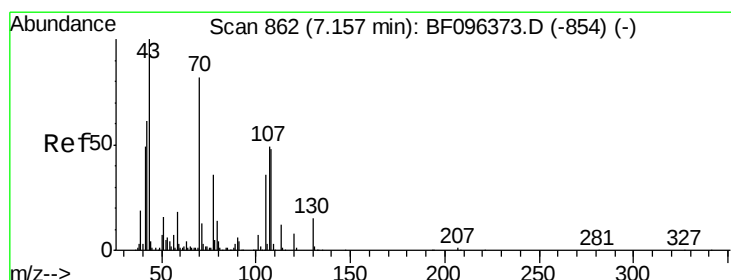
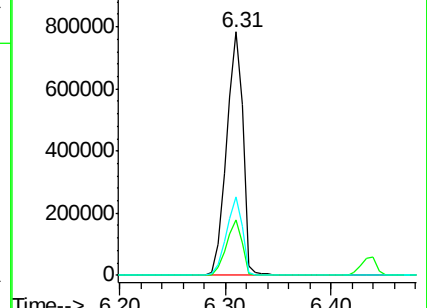
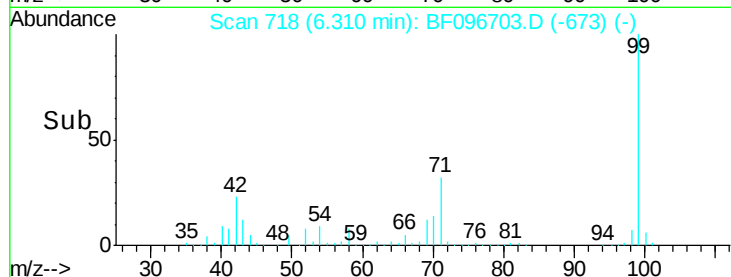
71 32.3 24.5 36.7



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: 12.82 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.10 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

Tgt Ion: 70 Resp: 64810

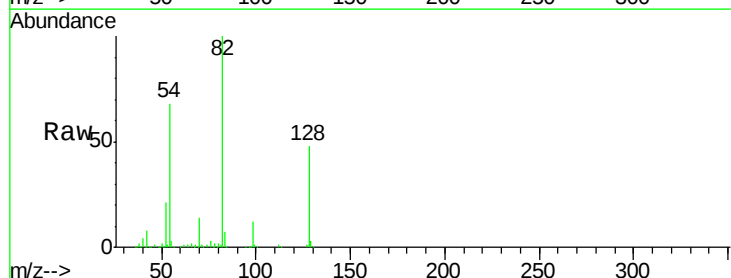
Ion Ratio Lower Upper

70 100

42 58.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

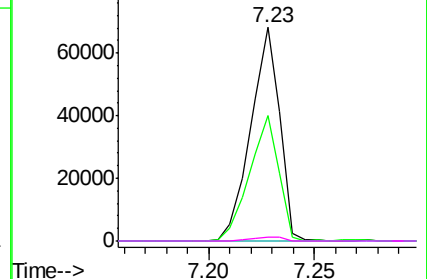
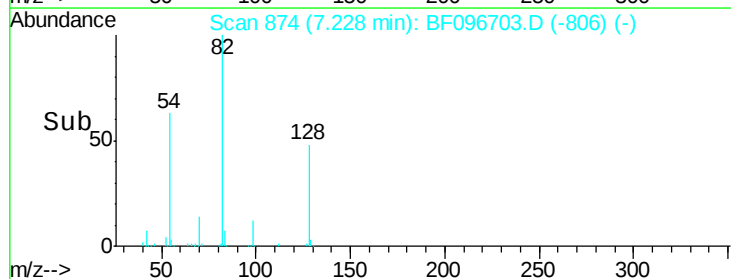


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.95 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 422742

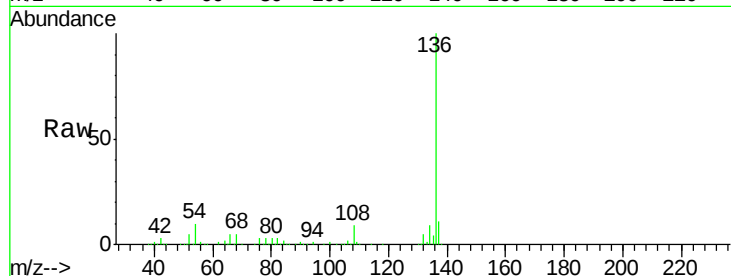
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.5 4.9 7.3#

68 5.1 4.1 6.1

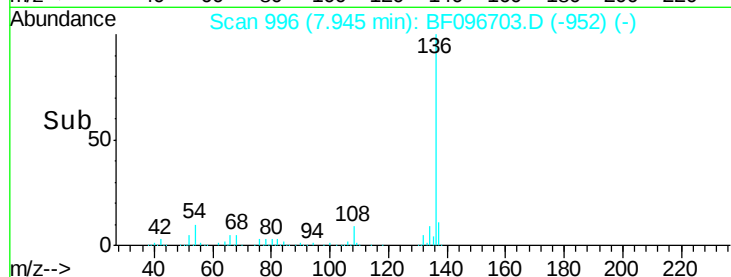


Abundance Ion 136.00 (135.70 to 136.70): E

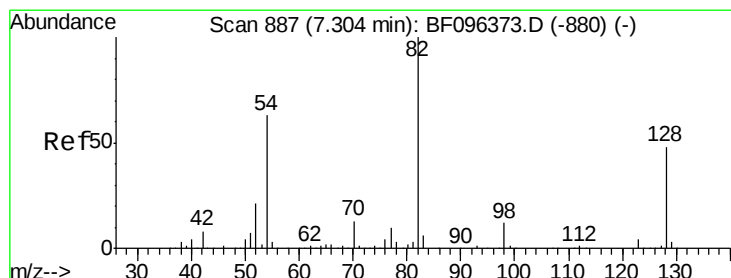
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 69.82 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.04 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

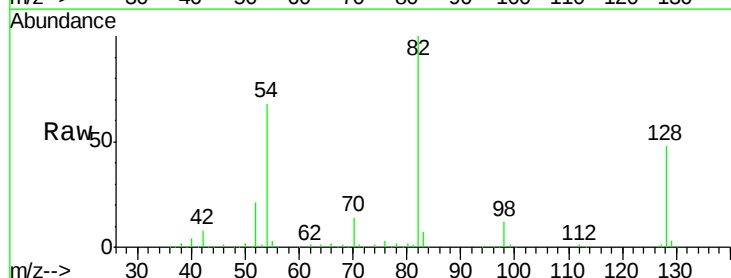
Tgt Ion: 82 Resp: 491160

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

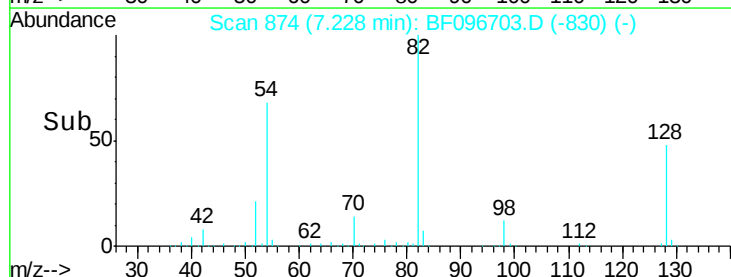
54 67.6 42.2 63.2#



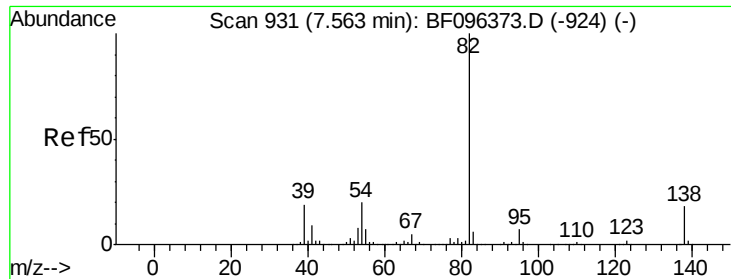
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 35.75 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.30 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

Instrument :

BNA_F

ClientSampleId :

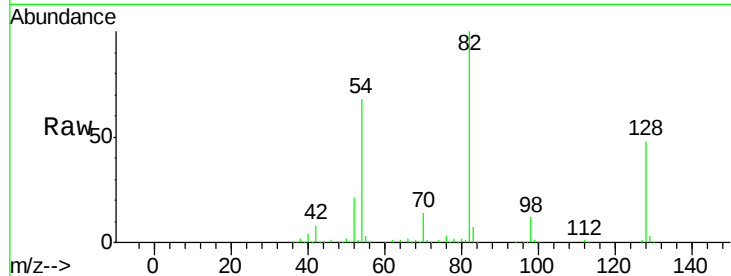
Tot Ion: 82 Resp: 487580

Ion Ratio Lower Upper

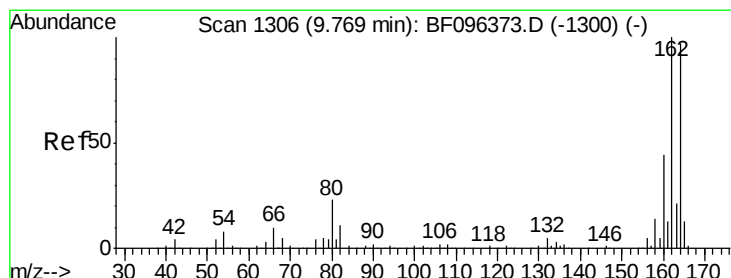
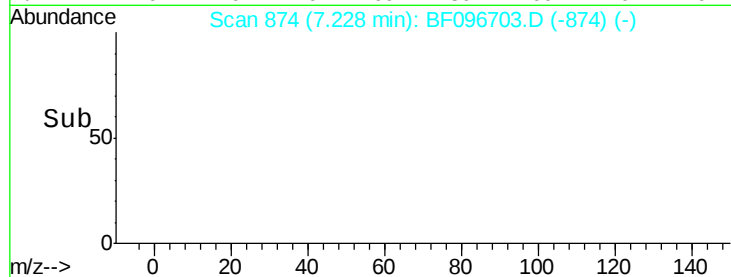
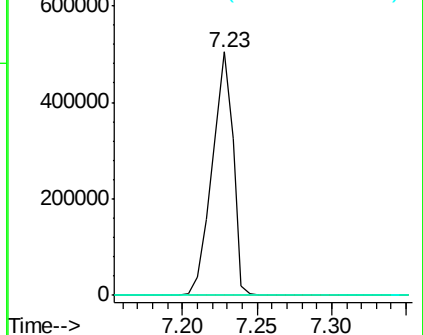
82 100

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: 9.70 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

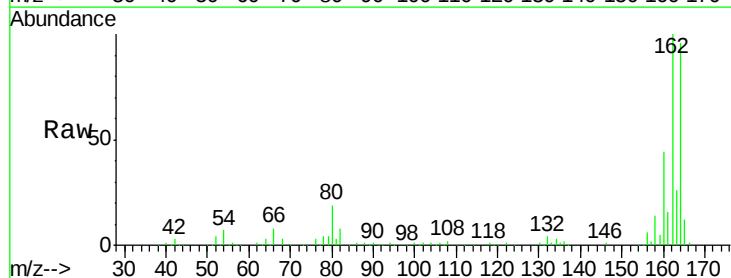
Tgt Ion:164 Resp: 173760

Ion Ratio Lower Upper

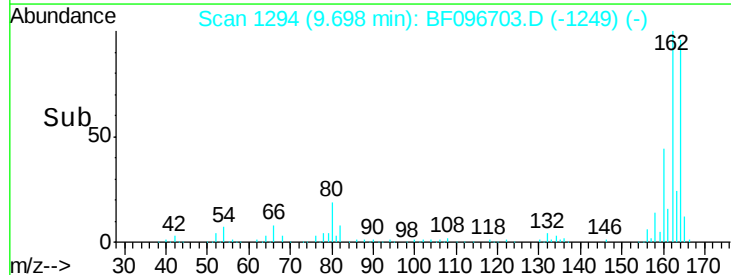
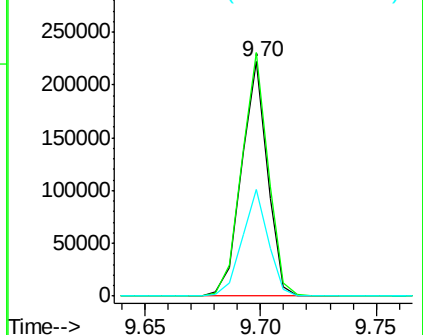
164 100

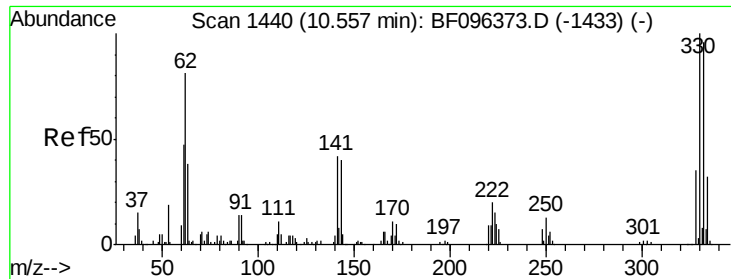
162 103.8 82.6 123.8

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

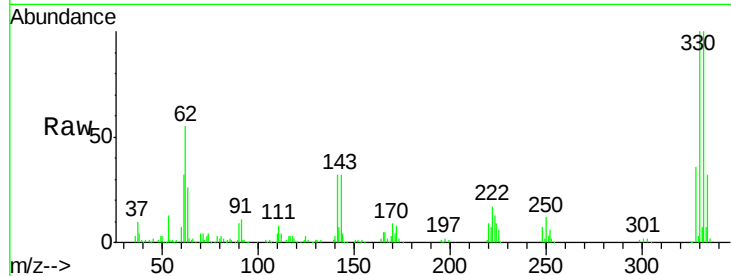




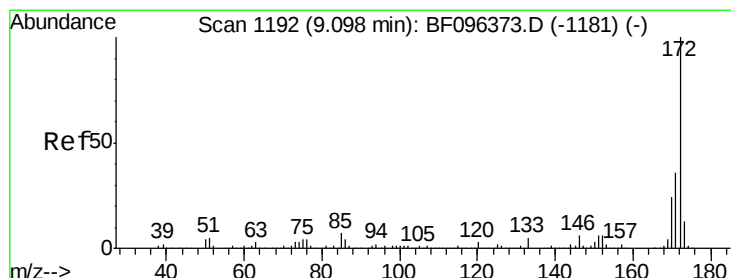
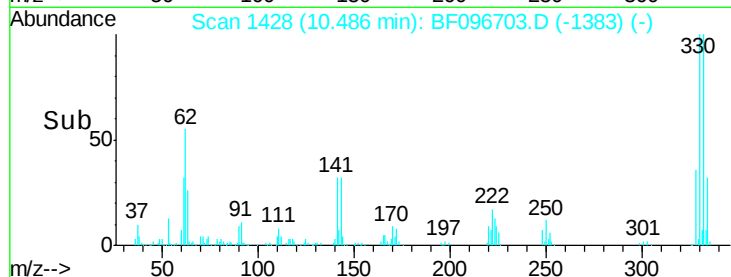
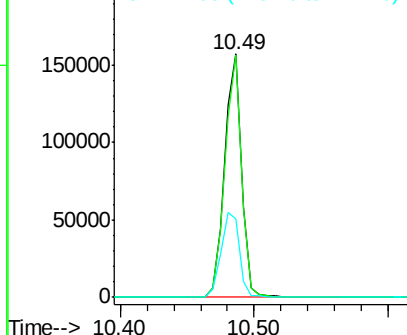
#41
 2,4,6-Tribromophenol
 Concen: 104.58 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096703.D
 Acq: 12 Jul 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 141948
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 37.6 31.4 47.2

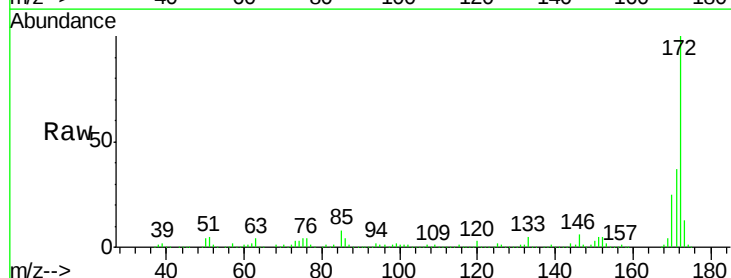


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

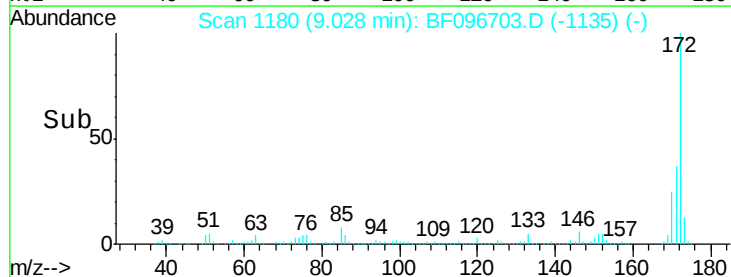
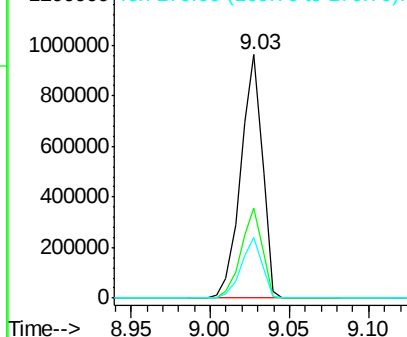


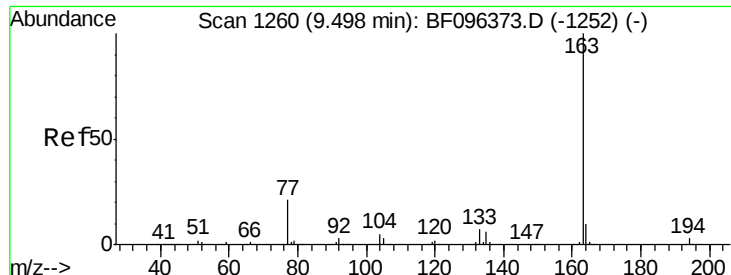
#44
 2-Fluorobiphenyl
 Concen: 89.25 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096703.D
 Acq: 12 Jul 2017 20:35

Tgt Ion:172 Resp: 907006
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.6 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

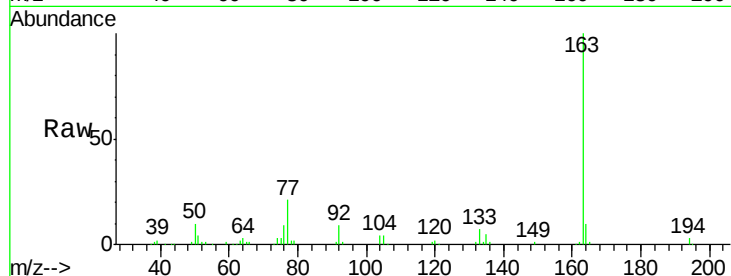




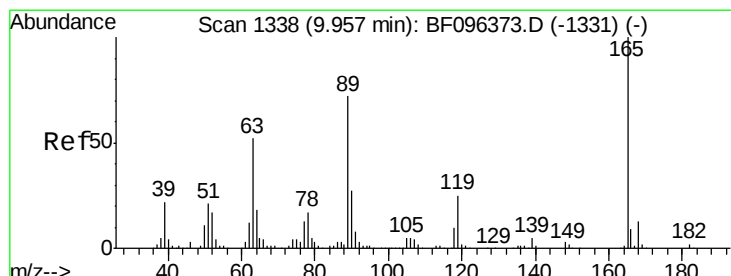
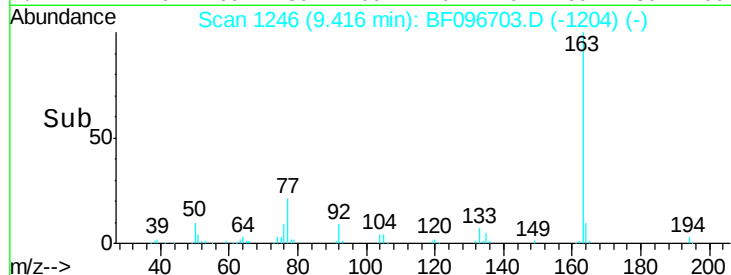
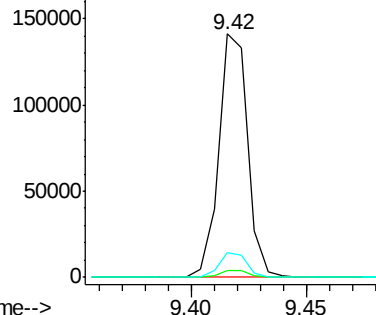
#49
Dimethylphthalate
Concen: 9.56 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.05 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 123981
Ion Ratio Lower Upper
163 100
194 2.6 2.6 4.0#
164 10.1 8.4 12.6

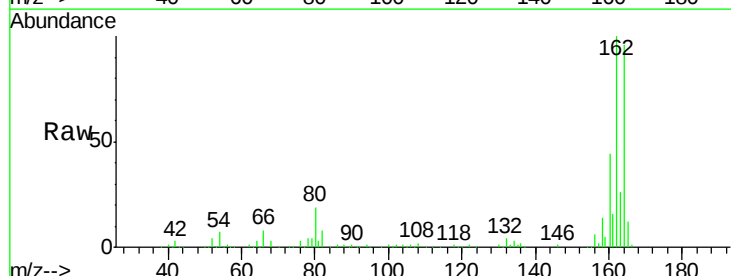


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

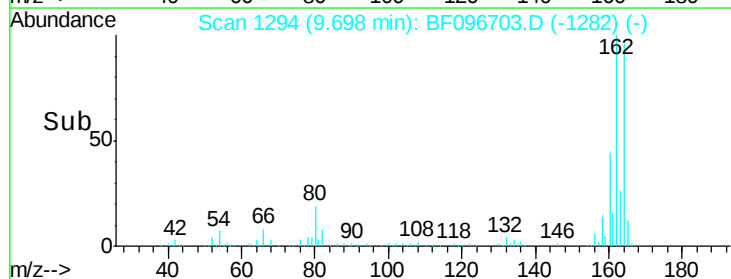
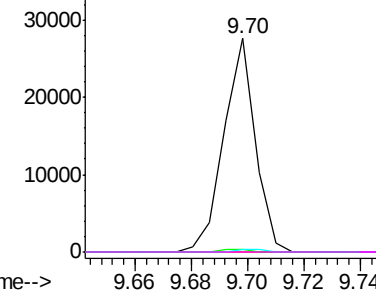


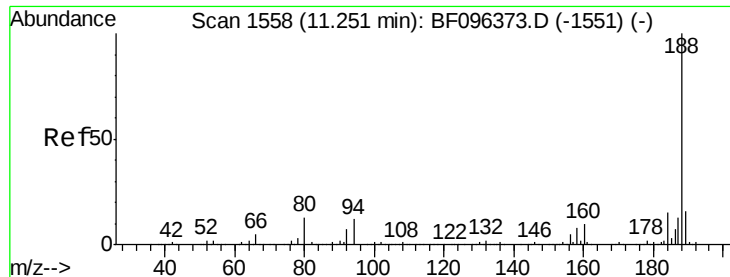
#56
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.23 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Tgt Ion:165 Resp: 21320
Ion Ratio Lower Upper
165 100
63 1.1 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

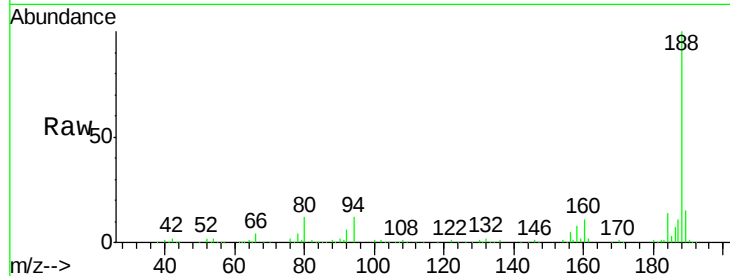




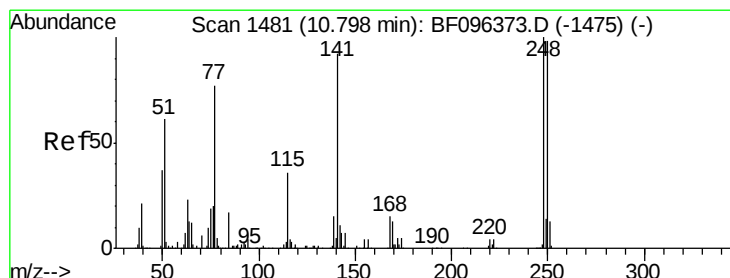
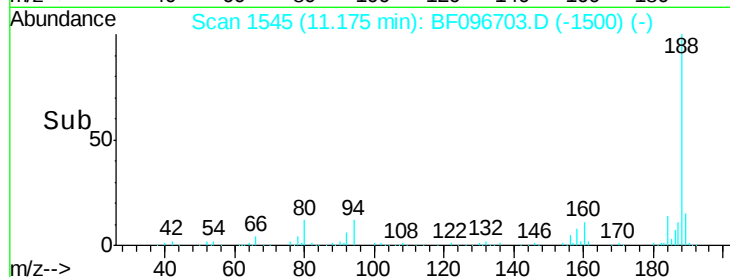
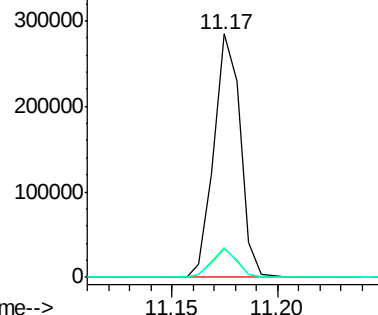
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.04 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 246394
Ion Ratio Lower Upper
188 100
94 11.7 9.4 14.2
80 12.3 10.2 15.2

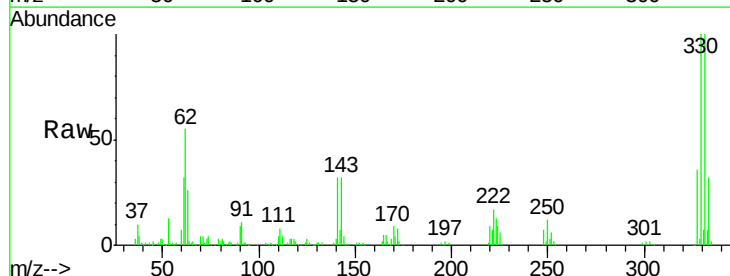


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

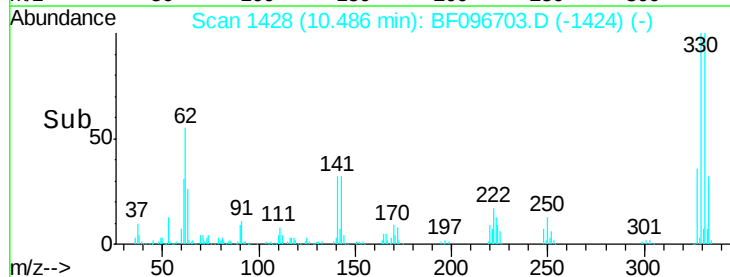
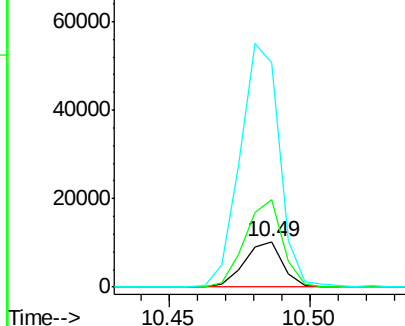


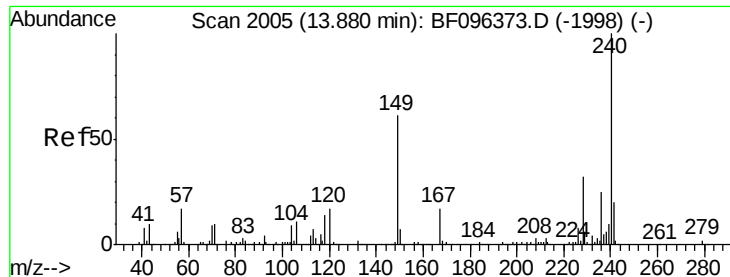
#66
4-Bromophenyl-phenylether
Concen: 4.05 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.28 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Tgt Ion:248 Resp: 9711
Ion Ratio Lower Upper
248 100
250 189.9 76.8 115.2#
141 489.5 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: 13.80 min Scan# 1992

Delta R.T. -0.04 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

Instrument :

BNA_F

ClientSampleId :

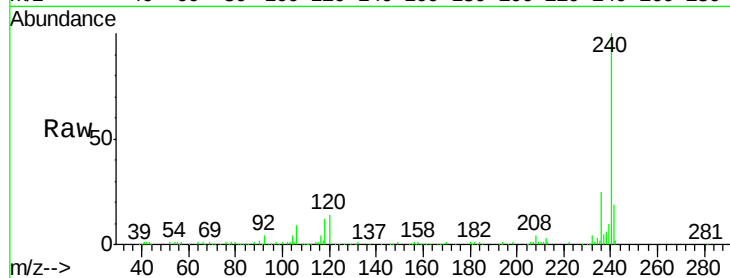
Tot Ion:240 Resp: 179263

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

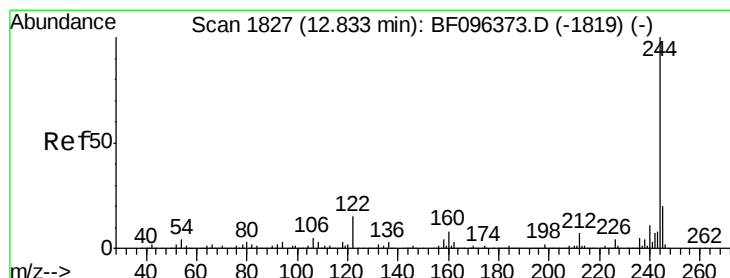
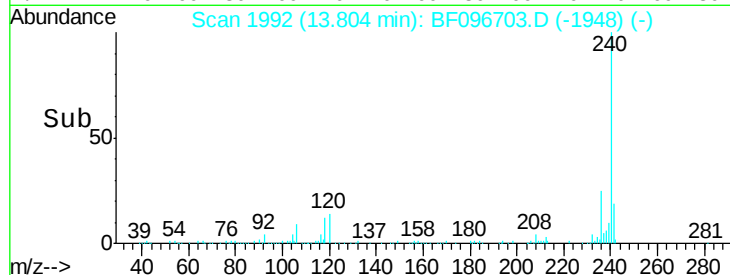
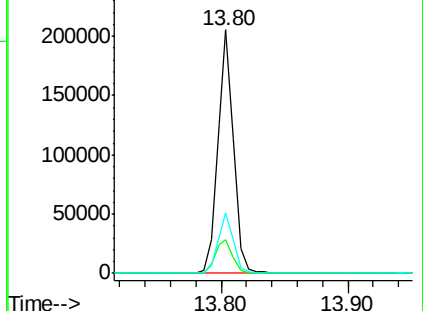
236 24.8 20.5 30.7



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: 57.11 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.04 min

Lab File: BF096703.D

Acq: 12 Jul 2017 20:35

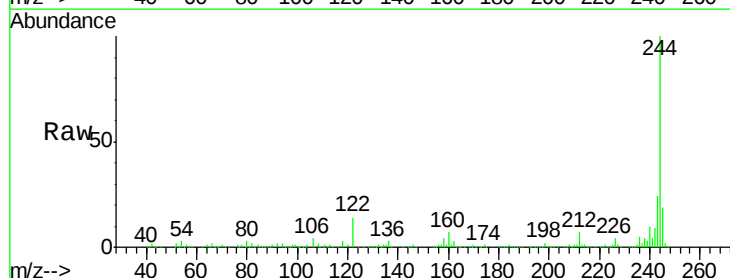
Tgt Ion:244 Resp: 479146

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

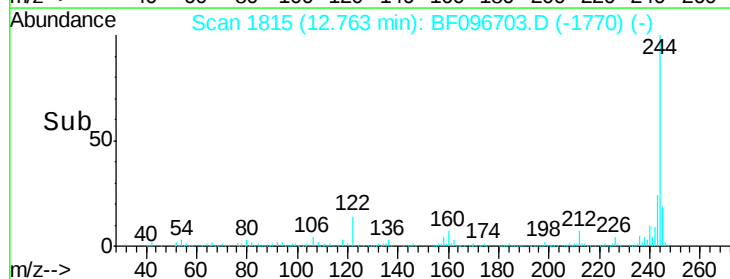
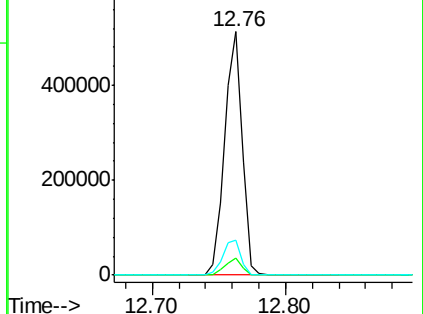
122 14.2 10.3 15.5

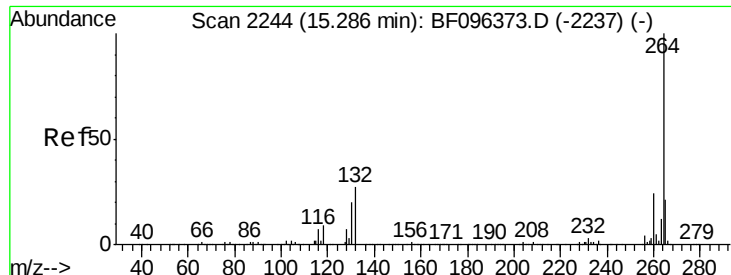


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

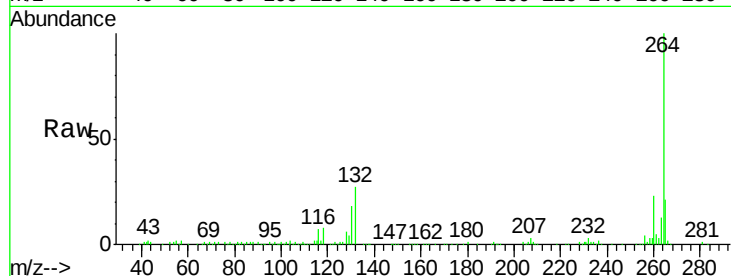




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.05 min
Lab File: BF096703.D
Acq: 12 Jul 2017 20:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.2	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

