

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF097008.D
 Acq On : 25 Jul 2017 1:55
 Operator : SJ/JU
 Sample : I4360-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 03:35:05 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

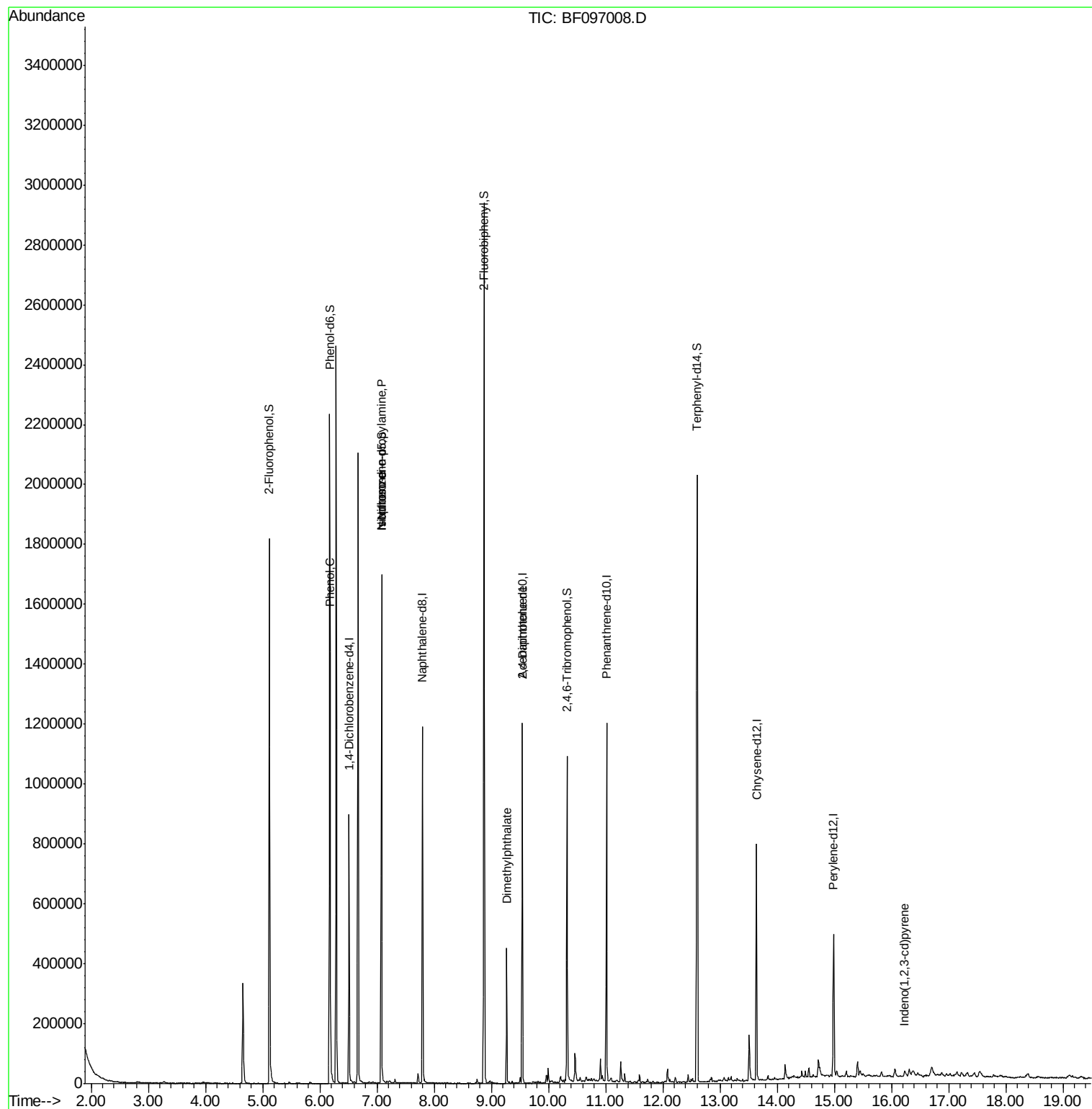
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.51	152	132330	20.00	ng	-0.03
21) Naphthalene-d8	7.79	136	545495	20.00	ng	-0.04
38) Acenaphthene-d10	9.54	164	226798	20.00	ng	-0.04
63) Phenanthrene-d10	11.02	188	415355	20.00	ng	-0.04
75) Chrysene-d12	13.64	240	261947	20.00	ng	-0.04
86) Perylene-d12	14.99	264	194339	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	498527	56.64	ng	-0.04
7) Phenol-d6	6.17	99	759391	71.90	ng	-0.04
23) Nitrobenzene-d5	7.08	82	510873	58.01	ng	-0.04
41) 2,4,6-Tribromophenol	10.33	330	121040	62.52	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	927158	64.59	ng	-0.04
78) Terphenyl-d14	12.60	244	711520	47.11	ng	-0.03
Target Compounds						
10) Phenol	6.19	94	29230	2.45	ng	Qvalue 97
19) n-Nitroso-di-n-propylamine	7.08	70	67162	10.56	ng	# 87
25) Isophorone	7.08	82	510236	31.14	ng	# 67
49) Dimethylphthalate	9.27	163	175701	10.29	ng	99
56) 2,4-Dinitrotoluene	9.54	165	28097	5.91	ng	# 33
85) Indeno(1,2,3-cd)pyrene	16.23	276	1269	3.41	ng	# 73

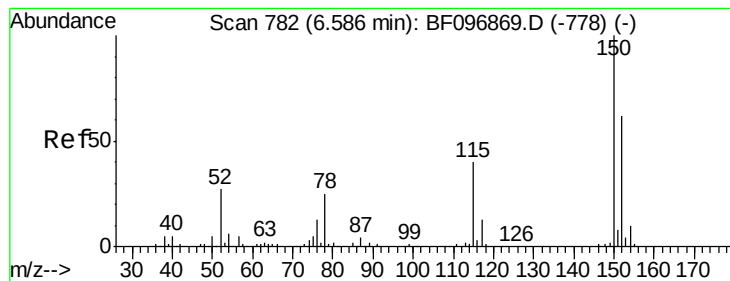
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF097008.D

Acq: 25 Jul 2017 1:55

Instrument :

BNA_F

ClientSampled :

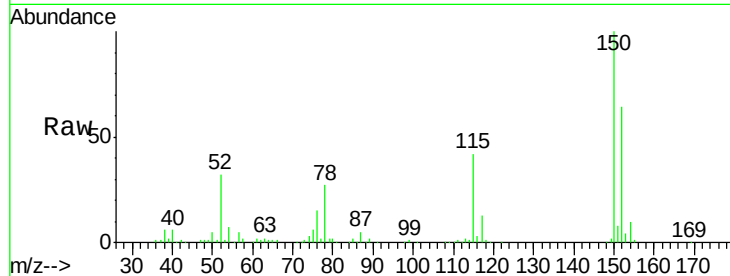
Tot Ion:152 Resp: 132330

Ion Ratio Lower Upper

152 100

150 157.2 126.2 189.2

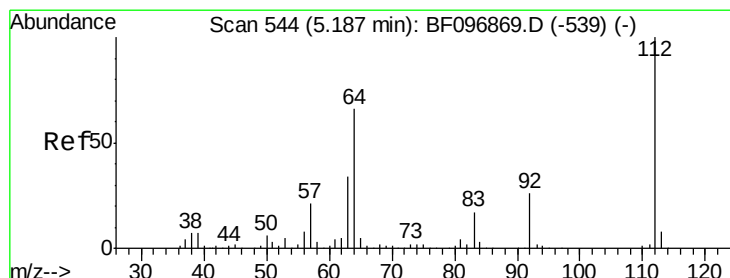
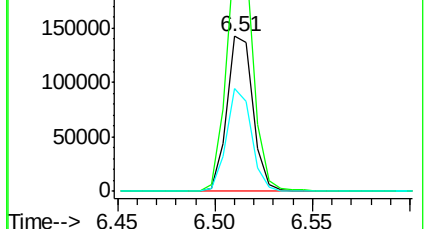
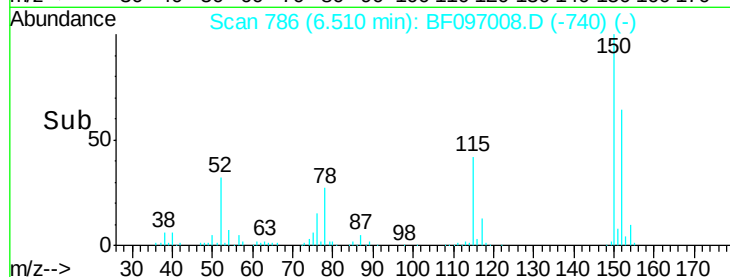
115 66.2 52.2 78.2



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: 56.64 ng

RT: 5.12 min Scan# 549

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

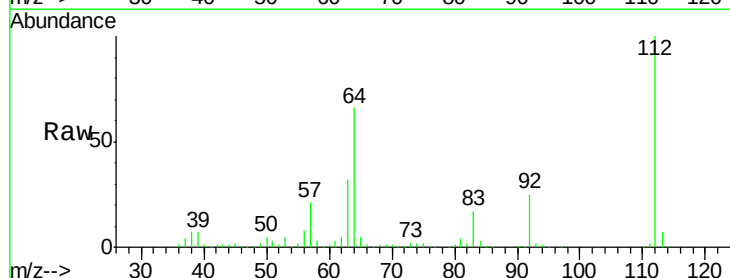
Tgt Ion:112 Resp: 498527

Ion Ratio Lower Upper

112 100

64 65.8 46.0 69.0

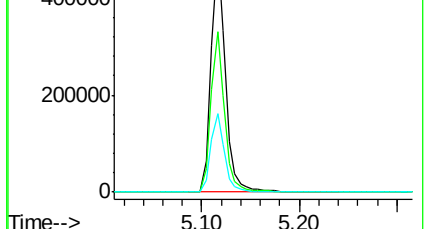
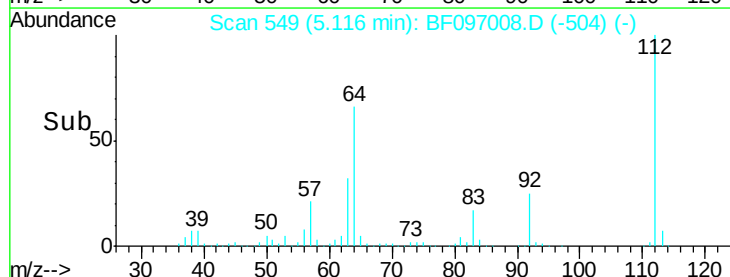
63 32.2 23.4 35.0

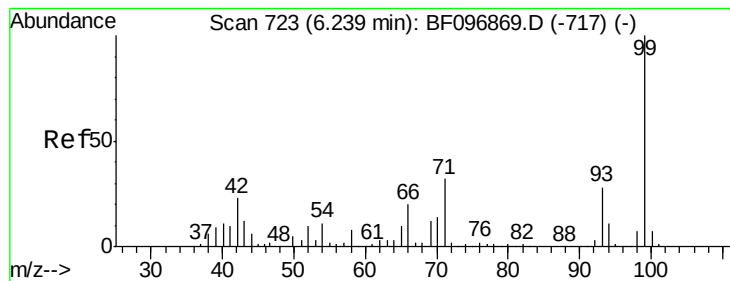


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 71.90 ng

RT: 6.17 min Scan# 729

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

Instrument :

BNA_F

ClientSampled :

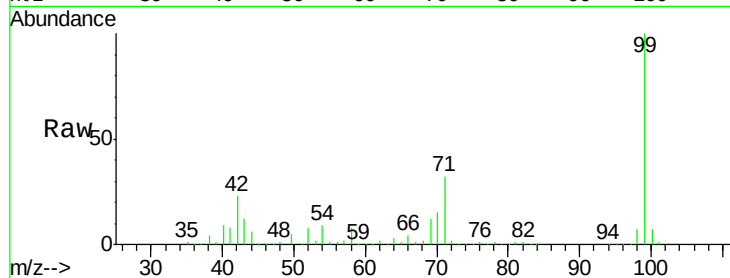
Tot Ion: 99 Resp: 759391

Ion Ratio Lower Upper

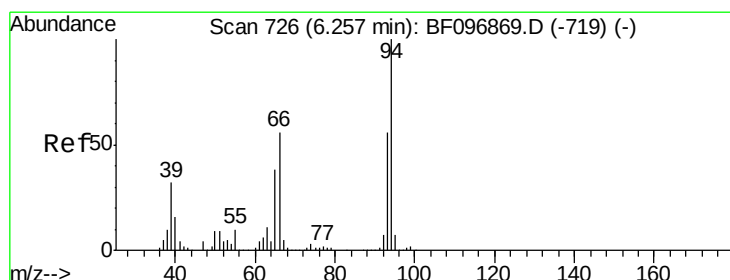
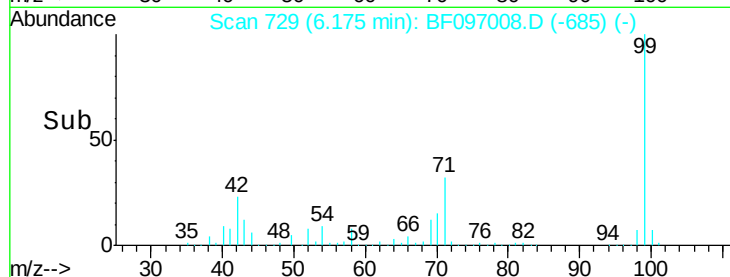
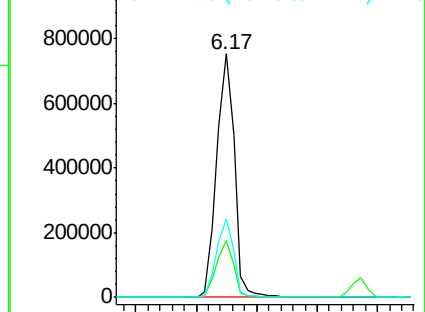
99 100

42 23.3 13.5 20.3#

71 32.4 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: 2.45 ng

RT: 6.19 min Scan# 731

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

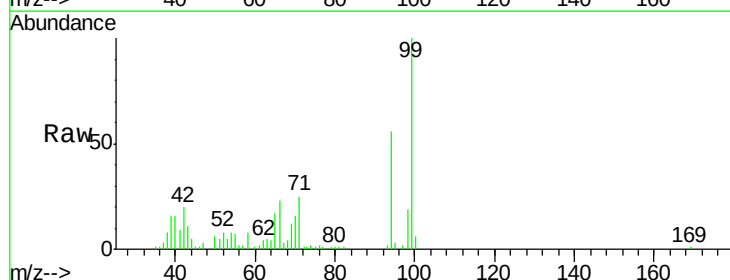
Tgt Ion: 94 Resp: 29230

Ion Ratio Lower Upper

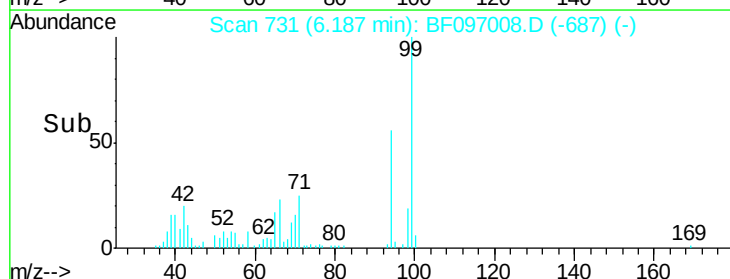
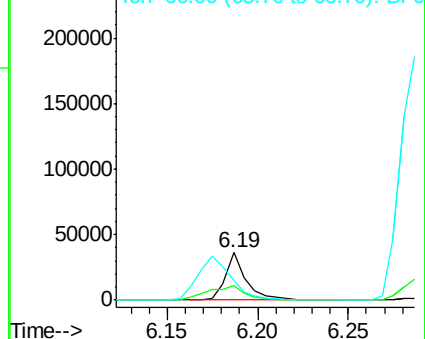
94 100

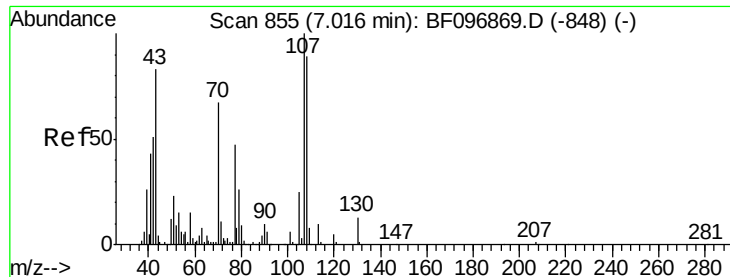
65 29.4 9.9 49.9

66 40.6 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





#19

n-Nitroso-di-n-propylamine

Concen: 10.56 ng

RT: 7.08 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 67162

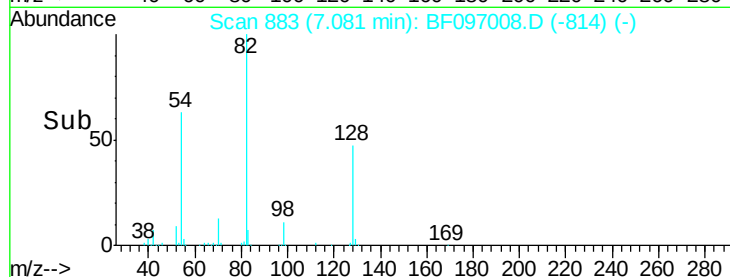
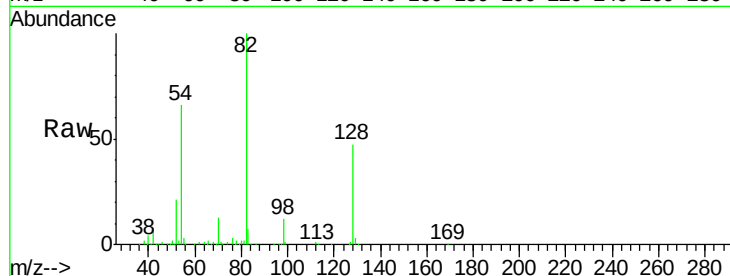
Ion Ratio Lower Upper

70 100

42 61.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

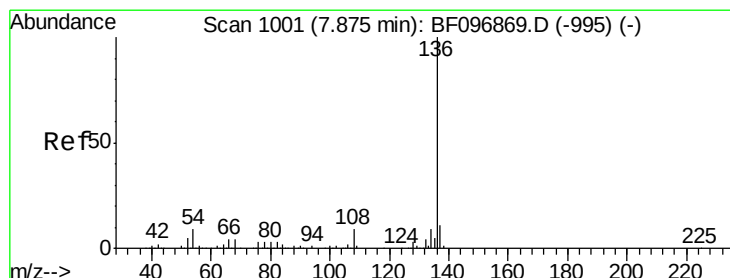
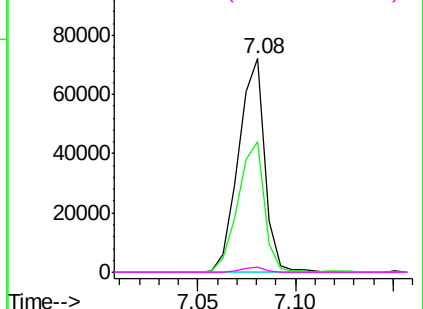


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.79 min Scan# 1004

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

Tgt Ion:136 Resp: 545495

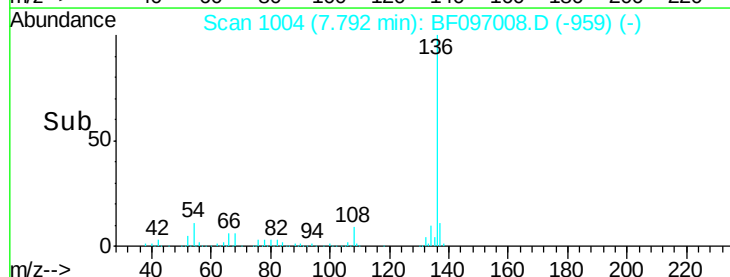
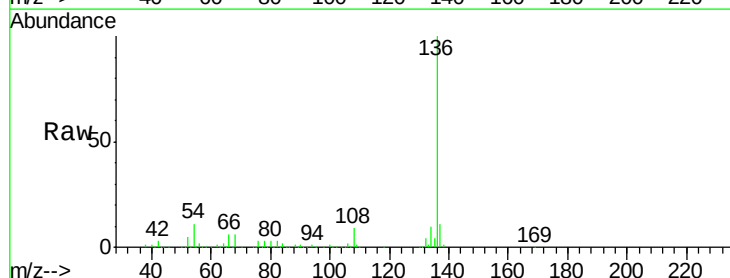
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.1 4.9 7.3#

68 6.3 4.1 6.1#

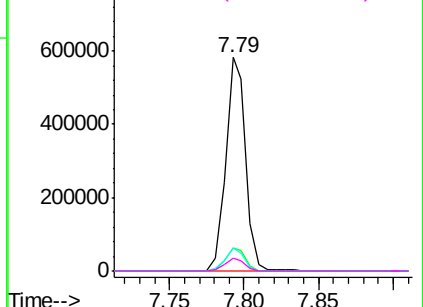


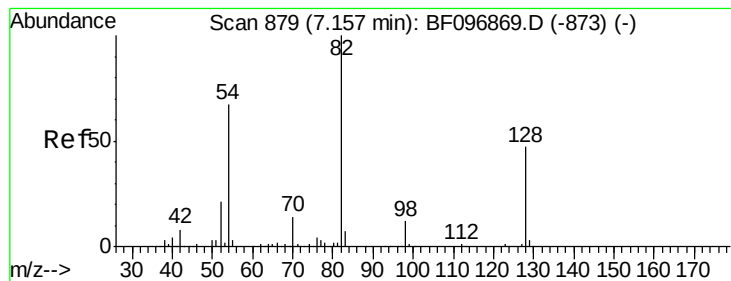
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 58.01 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

Instrument :

BNA_F

ClientSampleId :

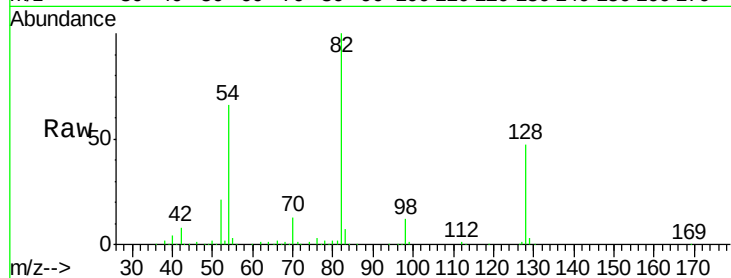
Tot Ion: 82 Resp: 510873

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

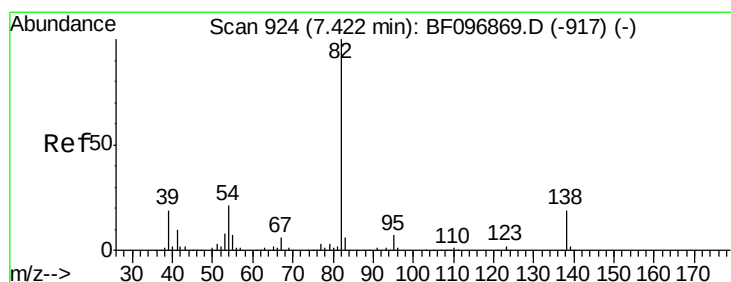
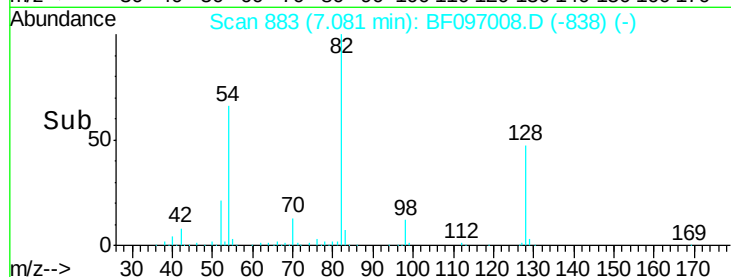
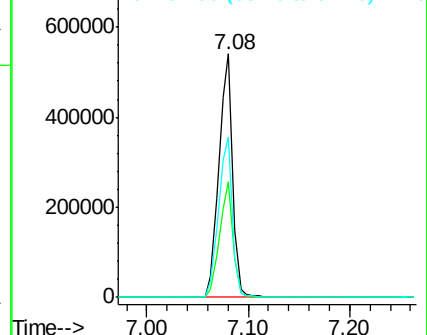
54 65.8 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 31.14 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.29 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

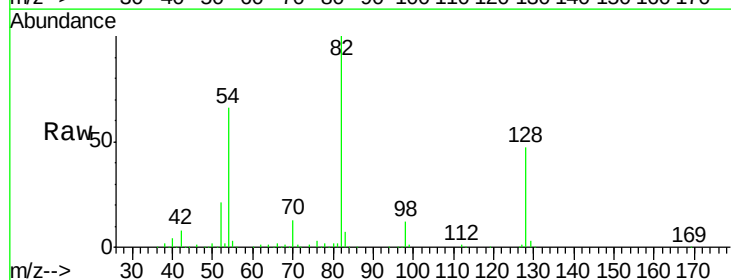
Tgt Ion: 82 Resp: 510236

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

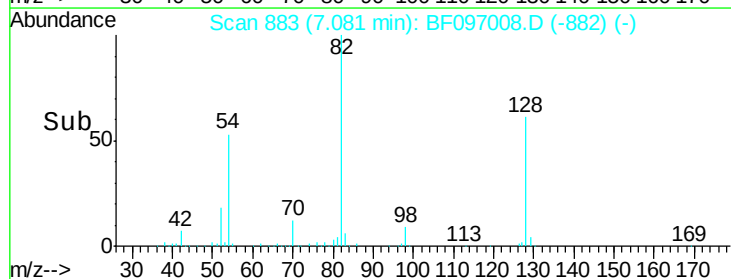
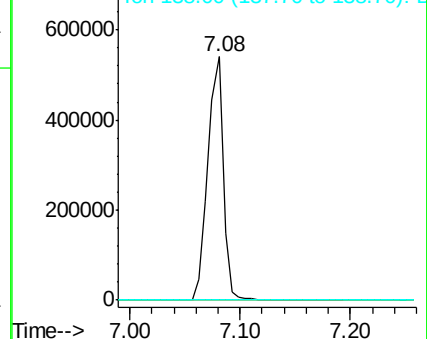
138 0.0 13.1 19.7#

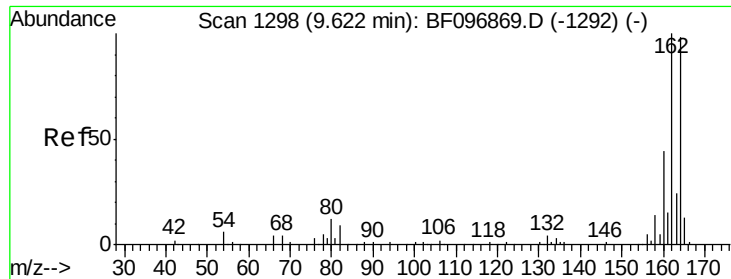


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.54 min Scan# 1301

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

Instrument :

BNA_F

ClientSampleId :

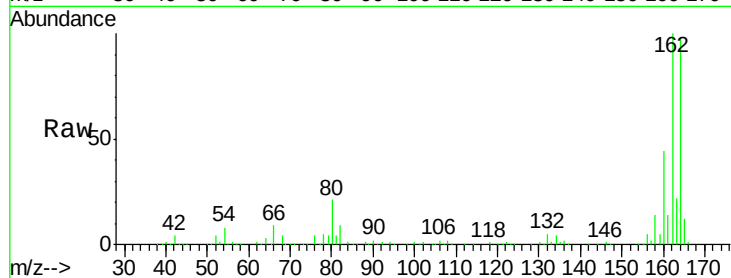
Tot Ion:164 Resp: 226798

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

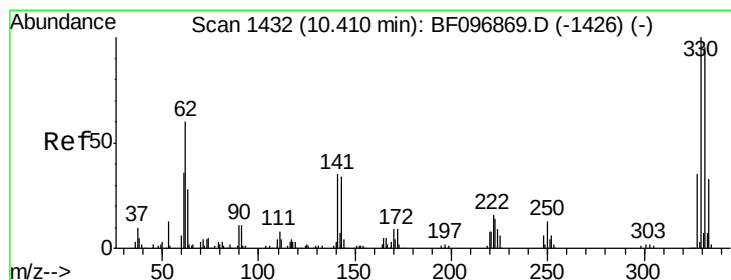
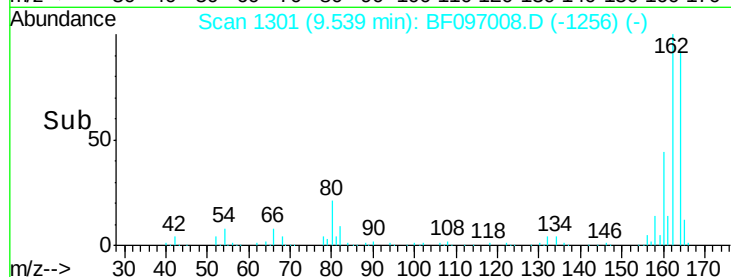
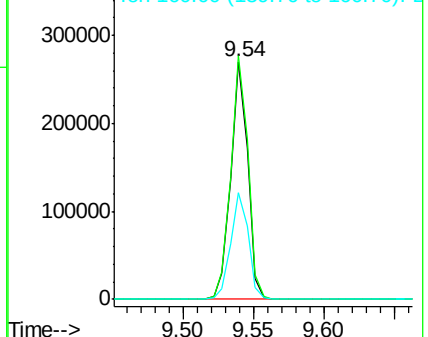
160 45.0 36.2 54.2



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: 62.52 ng

RT: 10.33 min Scan# 1435

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

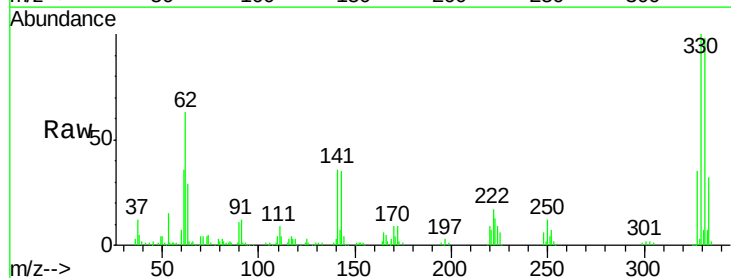
Tgt Ion:330 Resp: 121040

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

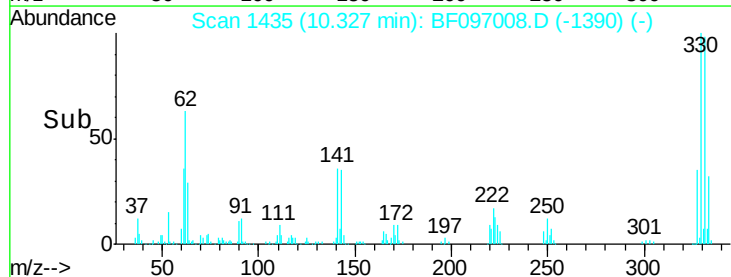
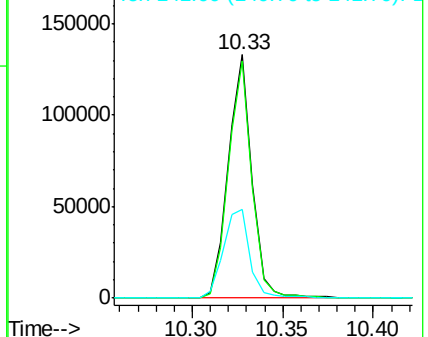
141 40.7 31.4 47.2

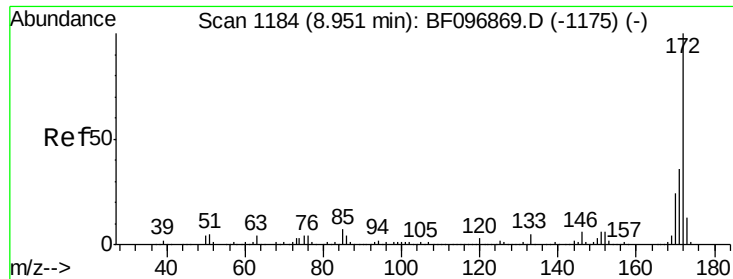


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

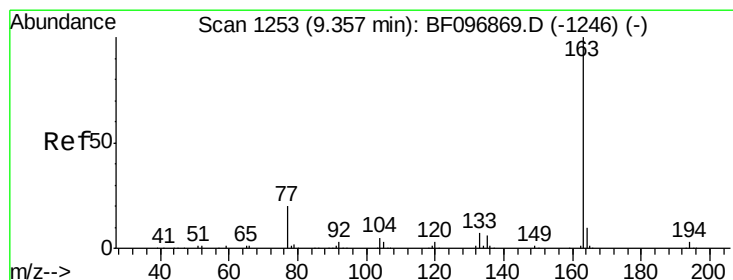
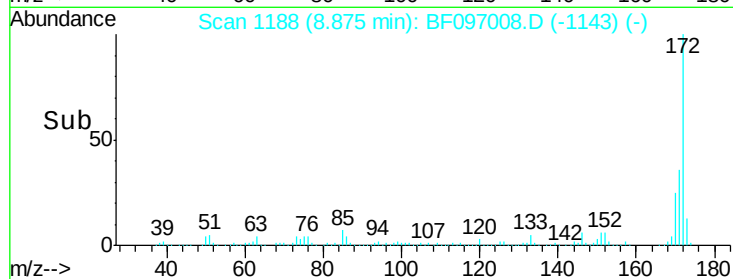
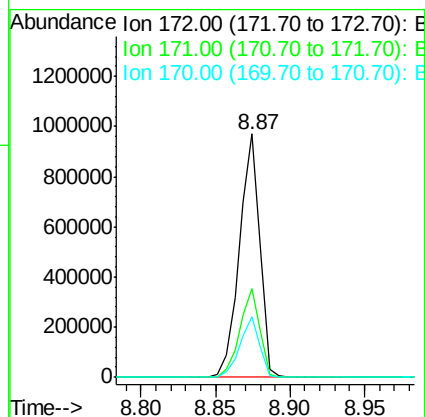
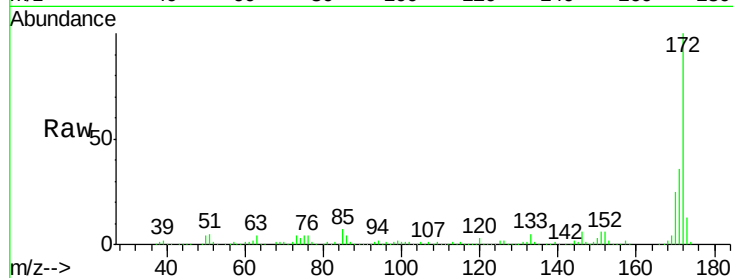




#44
 2-Fluorobiphenyl
 Concen: 64.59 ng
 RT: 8.87 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF097008.D
 Acq: 25 Jul 2017 1:55

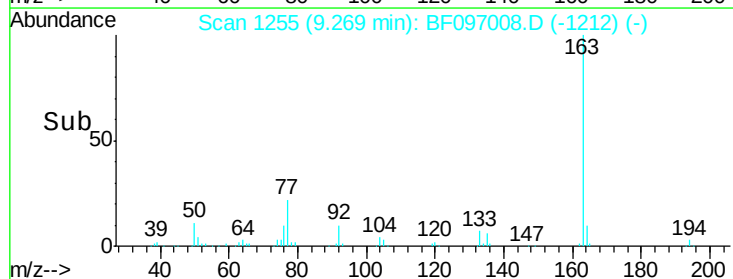
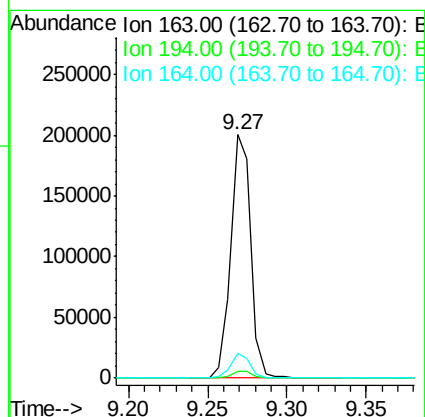
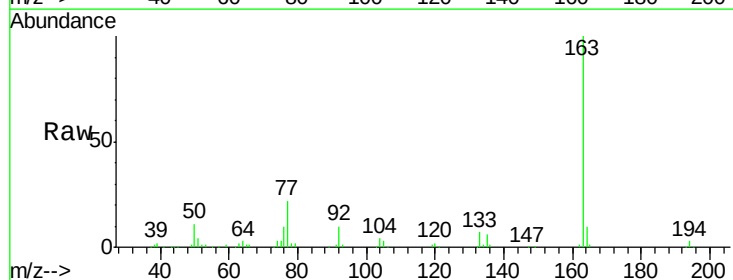
Instrument :
 BNA_F
 ClientSampleId :

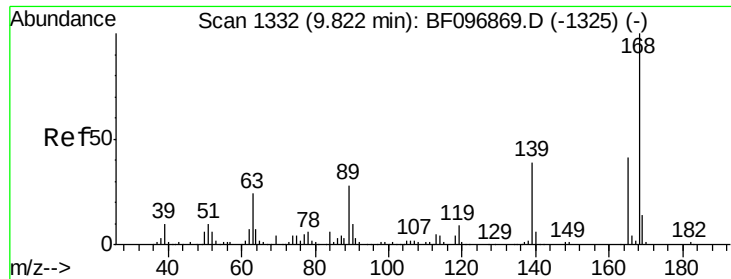
Tot Ion:172 Resp: 927158
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.7 19.8 29.8



#49
 Dimethylphthalate
 Concen: 10.29 ng
 RT: 9.27 min Scan# 1255
 Delta R.T. -0.05 min
 Lab File: BF097008.D
 Acq: 25 Jul 2017 1:55

Tgt Ion:163 Resp: 175701
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 9.9 8.4 12.6

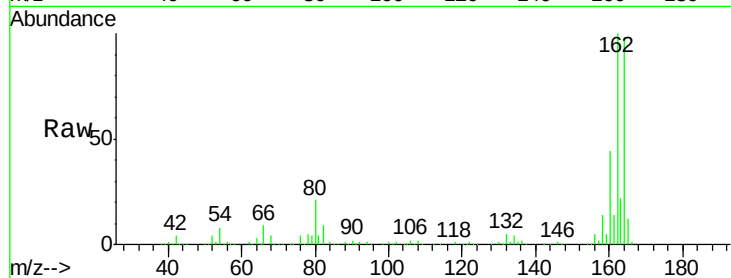




#56
 2,4-Dinitrotoluene
 Concen: 5.91 ng
 RT: 9.54 min Scan# 1301
 Delta R.T. -0.24 min
 Lab File: BF097008.D
 Acq: 25 Jul 2017 1:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

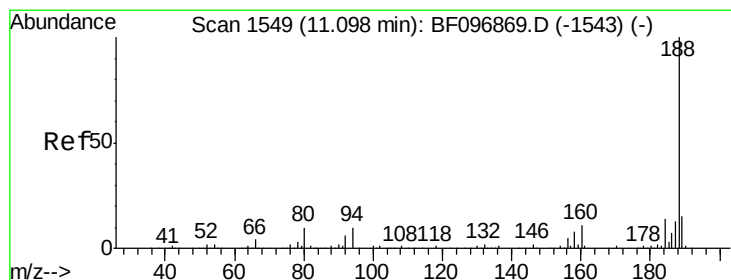
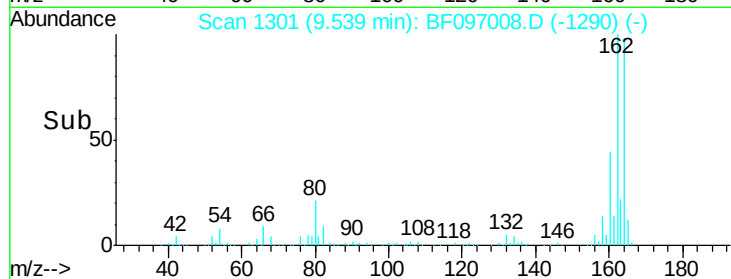
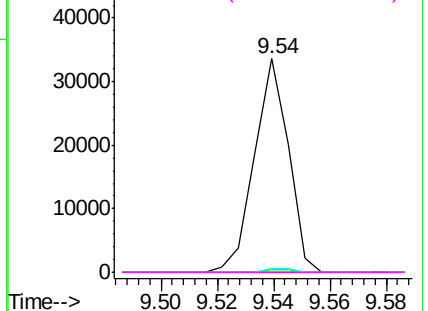


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

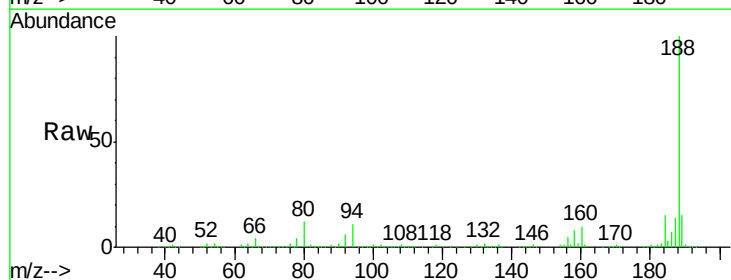
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.02 min Scan# 1552
 Delta R.T. -0.04 min
 Lab File: BF097008.D
 Acq: 25 Jul 2017 1:55

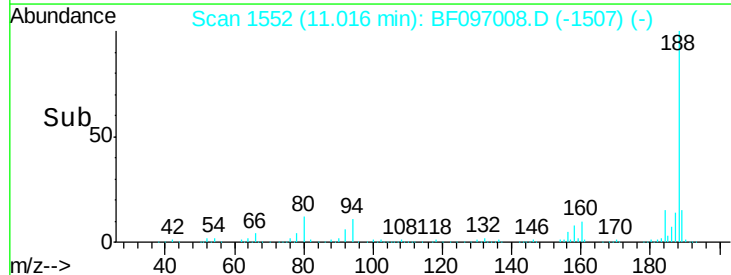
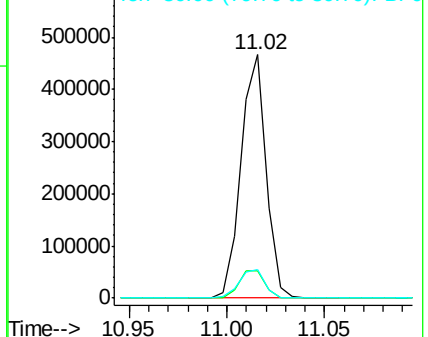
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.6	10.2	15.2

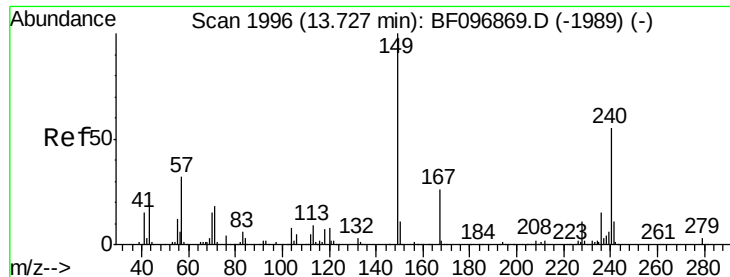


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.04 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

Instrument :

BNA_F

ClientSampleId :

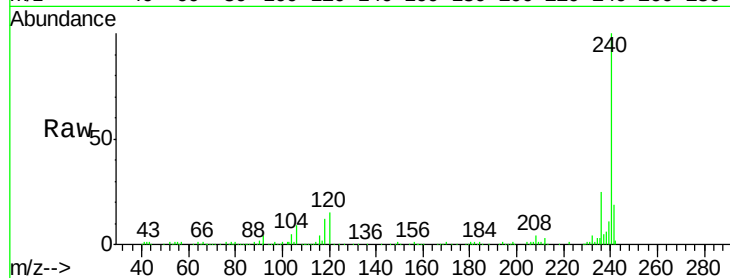
Tot Ion:240 Resp: 261947

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

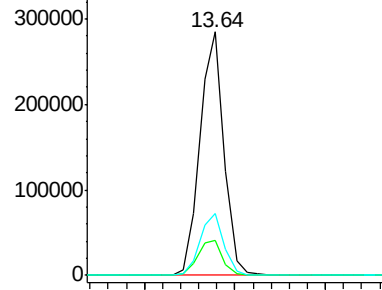
236 25.3 20.5 30.7



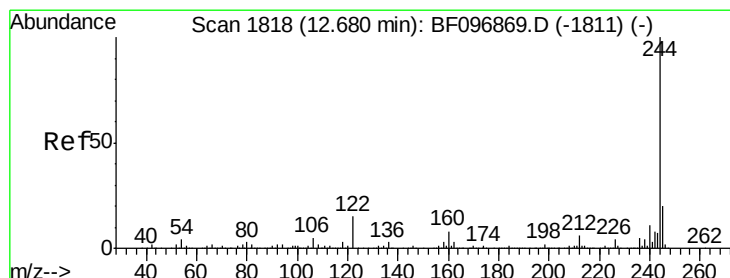
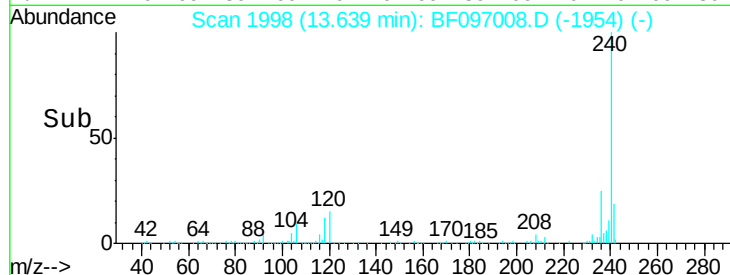
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 47.11 ng

RT: 12.60 min Scan# 1822

Delta R.T. -0.03 min

Lab File: BF097008.D

Acq: 25 Jul 2017 1:55

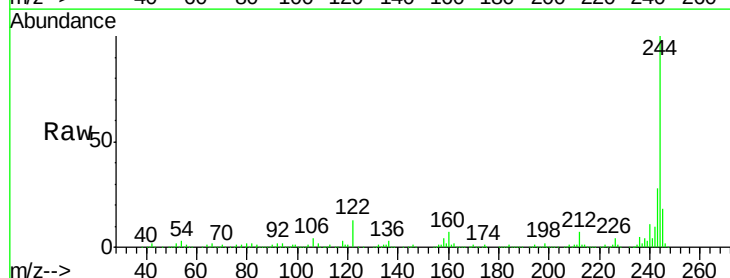
Tgt Ion:244 Resp: 711520

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

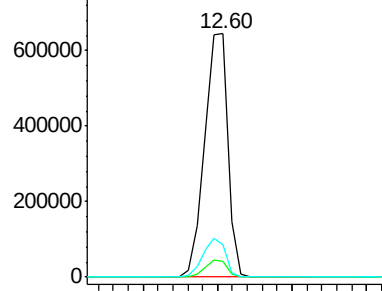
122 13.2 10.3 15.5



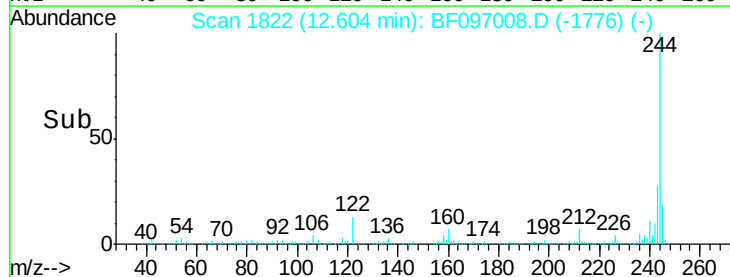
Abundance Ion 244.00 (243.70 to 244.70): E

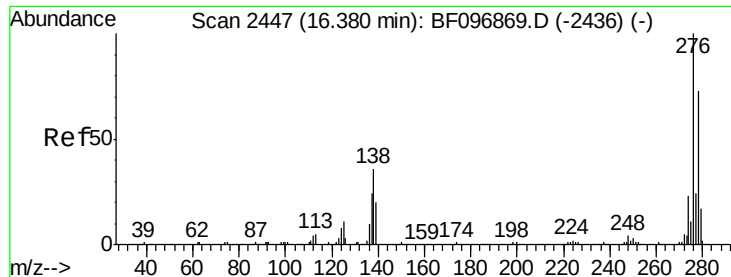
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

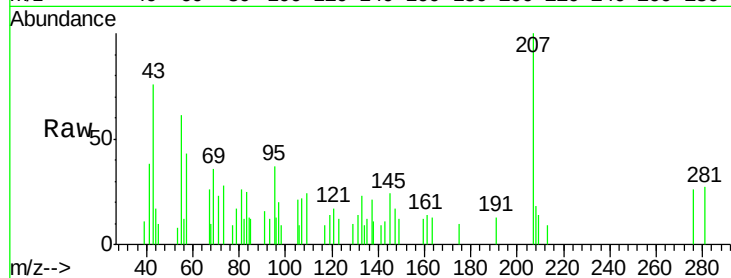




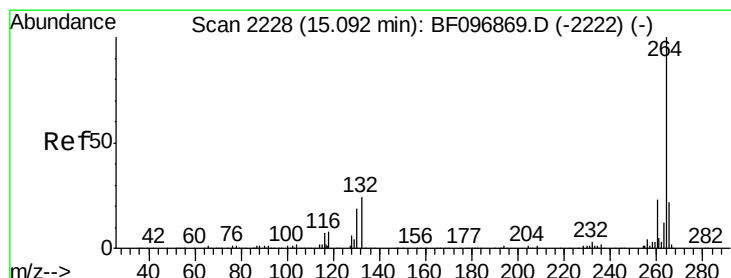
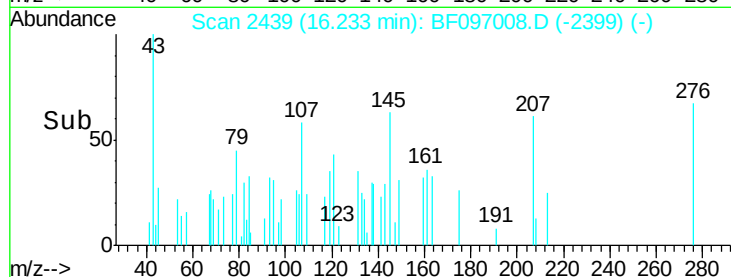
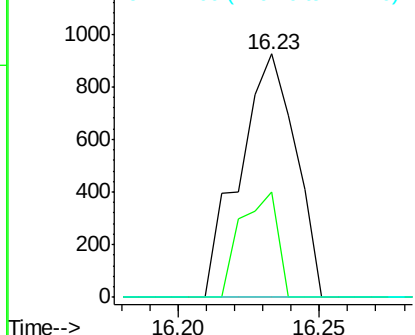
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.41 ng
 RT: 16.23 min Scan# 2439
 Delta R.T. -0.06 min
 Lab File: BF097008.D
 Acq: 25 Jul 2017 1:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 1269
 Ion Ratio Lower Upper
 276 100
 138 28.5 27.8 41.6
 277 0.0 20.2 30.4#

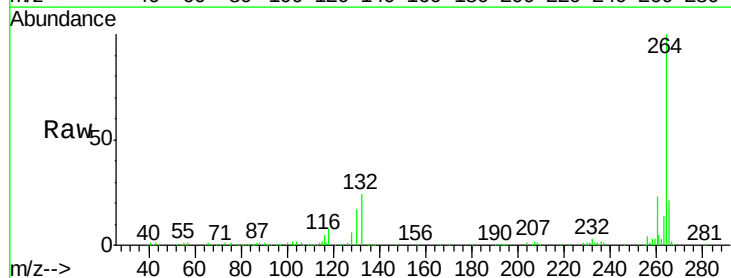


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.99 min Scan# 2228
 Delta R.T. -0.04 min
 Lab File: BF097008.D
 Acq: 25 Jul 2017 1:55

Tgt Ion:264 Resp: 194339
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 20.7 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

