

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097236.D
 Acq On : 1 Aug 2017 17:24
 Operator : SJ/JU
 Sample : I4512-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4

Quant Time: Aug 02 03:51:36 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

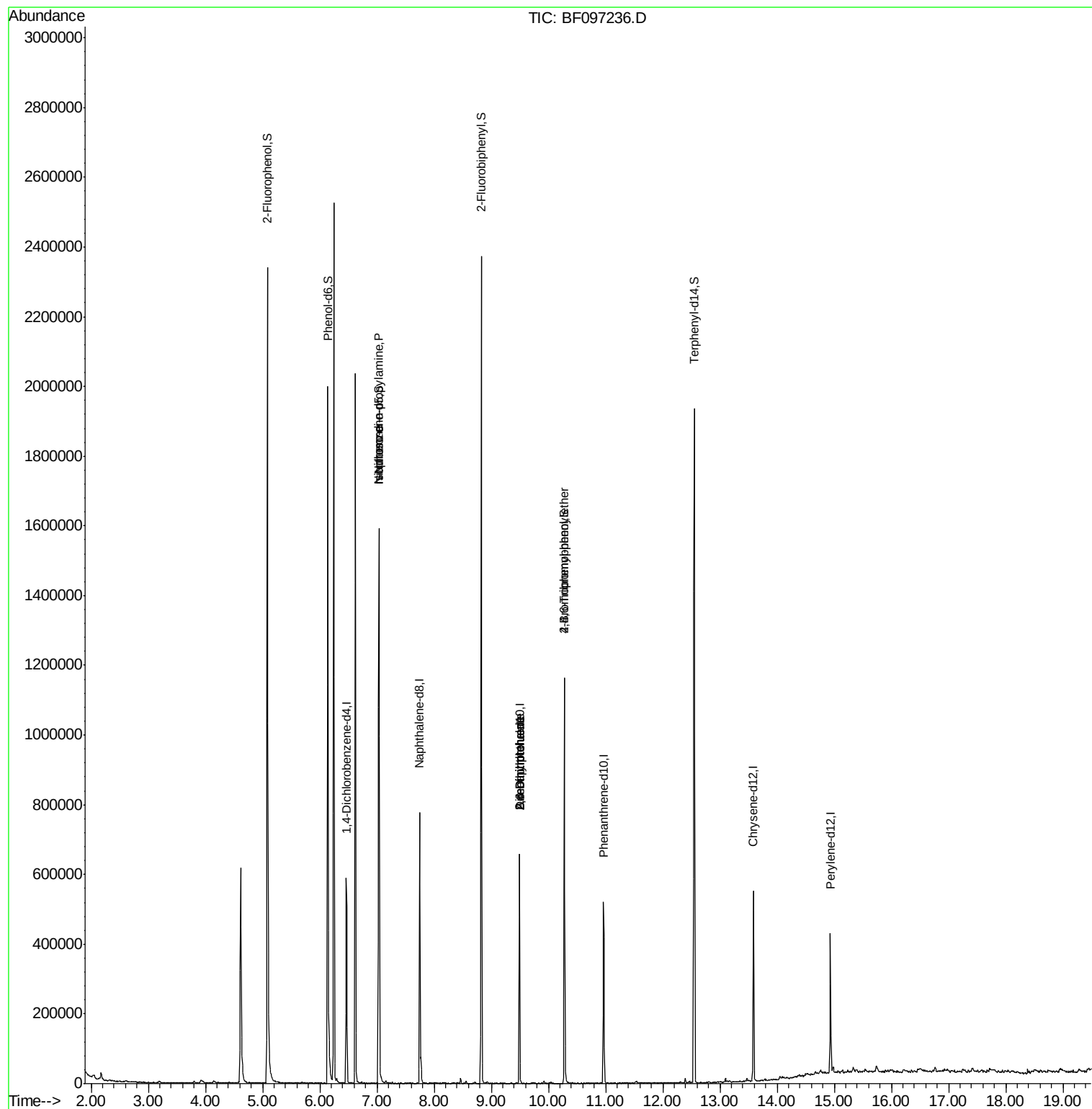
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	87830	20.00	ng	-0.04
21) Naphthalene-d8	7.75	136	341235	20.00	ng	-0.04
38) Acenaphthene-d10	9.49	164	126420	20.00	ng	-0.04
63) Phenanthrene-d10	10.96	188	178526	20.00	ng	-0.04
75) Chrysene-d12	13.59	240	186891	20.00	ng	-0.04
86) Perylene-d12	14.93	264	147439	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	751154	128.93	ng	-0.01
7) Phenol-d6	6.14	99	736290	110.70	ng	-0.03
23) Nitrobenzene-d5	7.03	82	494109	84.95	ng	-0.04
41) 2,4,6-Tribromophenol	10.28	330	122100	122.24	ng	-0.04
44) 2-Fluorobiphenyl	8.83	172	723303	97.10	ng	-0.04
78) Terphenyl-d14	12.55	244	572297	62.43	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	64787	14.80	ng	# 86
25) Isophorone	7.03	82	485699	42.64	ng	# 67
49) Dimethylphthalate	9.49	163	36709	3.82	ng	# 1
50) 2,6-Dinitrotoluene	9.49	165	15543	7.63	ng	# 31
56) 2,4-Dinitrotoluene	9.49	165	15543	6.64	ng	# 31
66) 4-Bromophenyl-phenylether	10.28	248	7788	4.37	ng	# 1

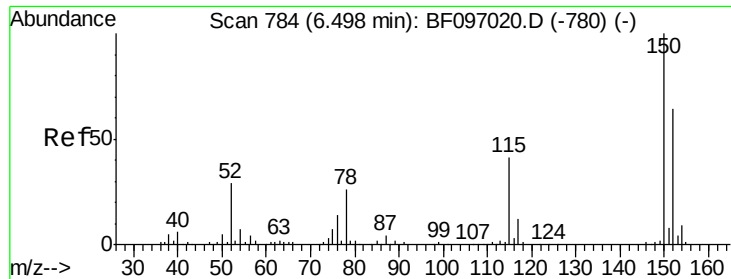
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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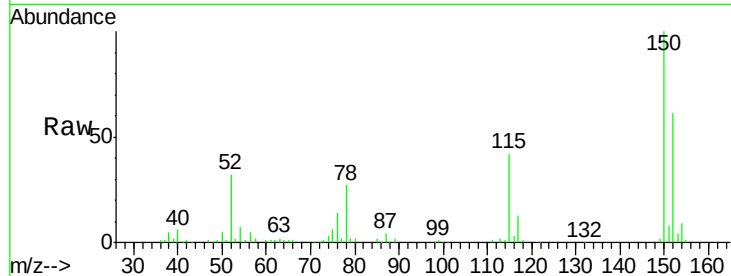


#1

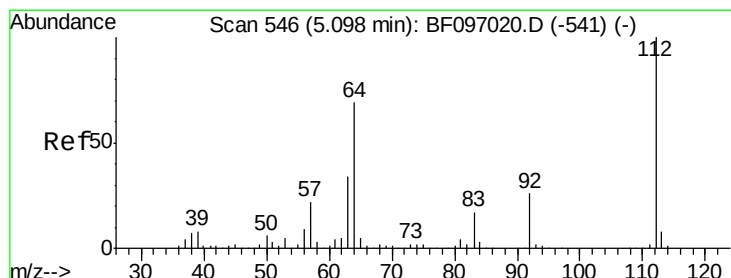
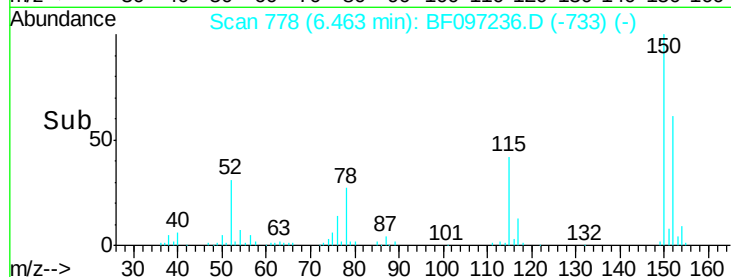
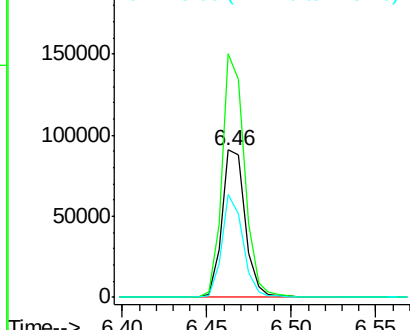
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF097236.D
Acq: 1 Aug 2017 17:24

Instrument :
BNA_F
ClientSampleId :
HDD-PILWC4

Tot Ion:152 Resp: 87830
Ion Ratio Lower Upper
152 100
150 165.1 126.2 189.2
115 69.5 52.2 78.2



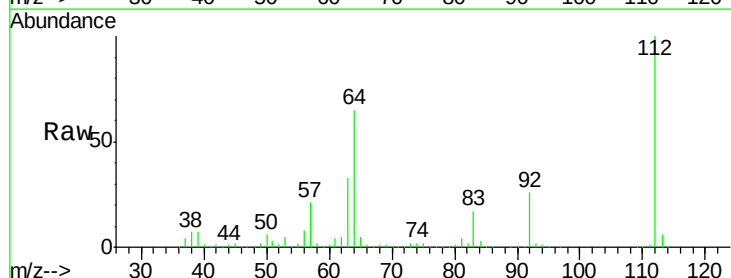
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



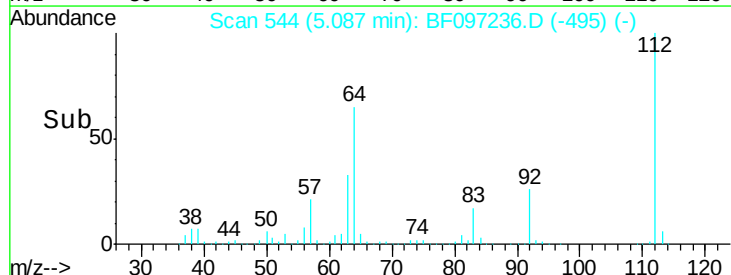
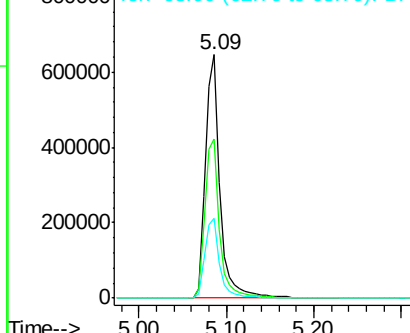
#5

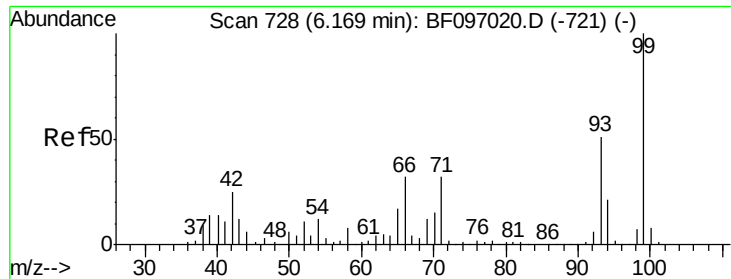
2-Fluorophenol
Concen: 128.93 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097236.D
Acq: 1 Aug 2017 17:24

Tgt Ion:112 Resp: 751154
Ion Ratio Lower Upper
112 100
64 65.3 46.0 69.0
63 32.7 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: 110.70 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4

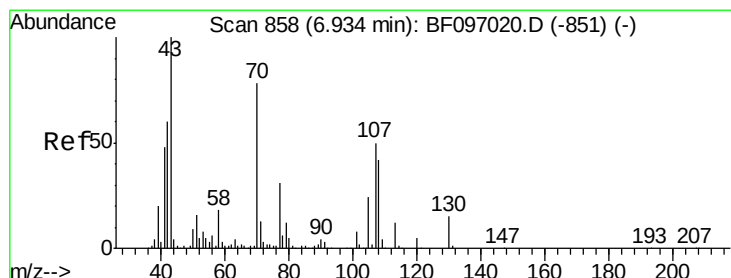
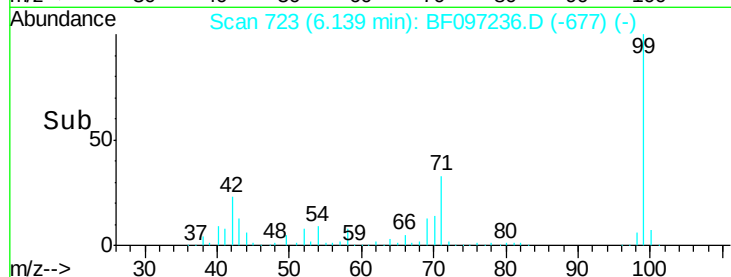
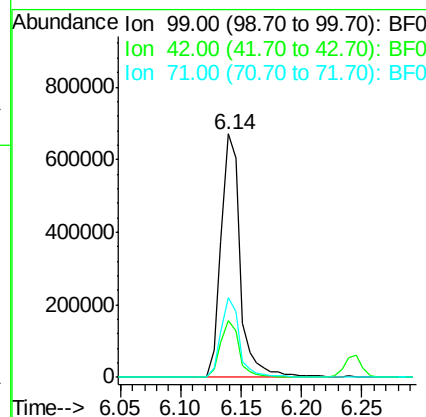
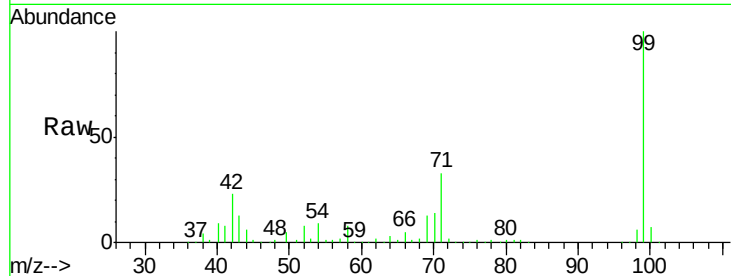
Tot Ion: 99 Resp: 736290

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

71 32.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.80 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.10 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

Tgt Ion: 70 Resp: 64787

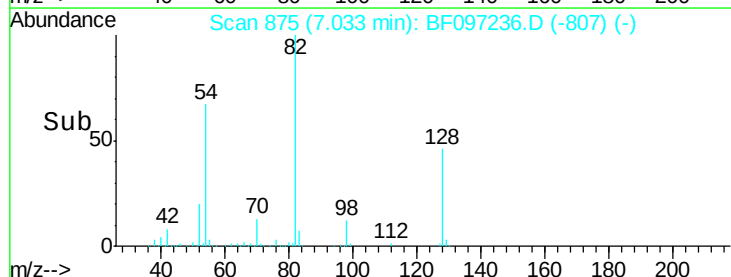
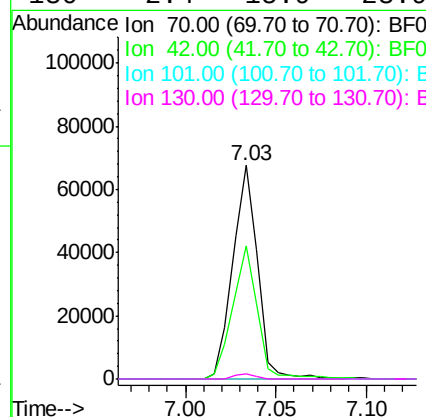
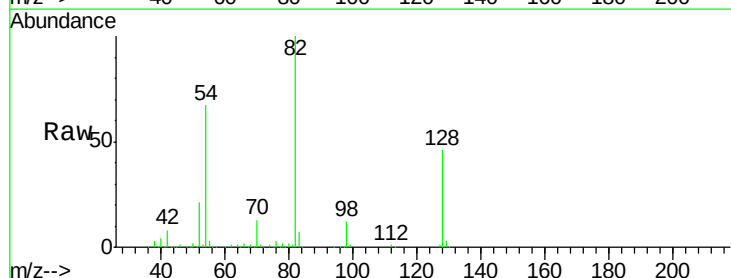
Ion Ratio Lower Upper

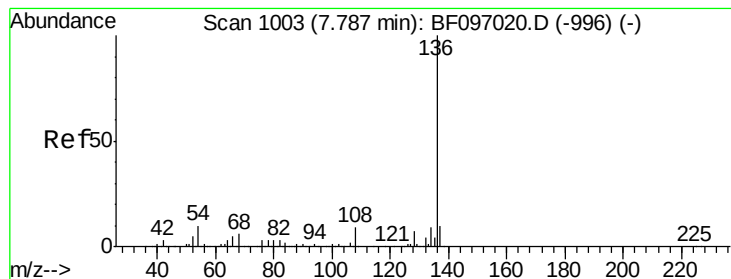
70 100

42 62.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4

Tot Ion:136 Resp: 341235

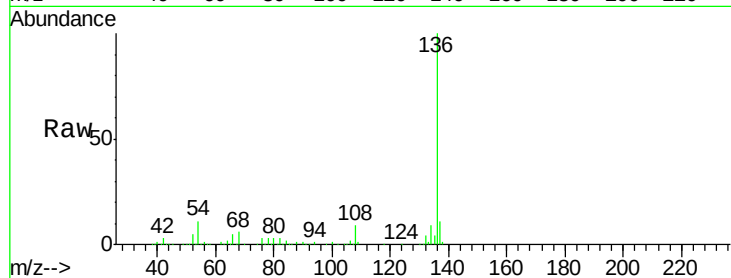
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.6 4.9 7.3#

68 5.6 4.1 6.1

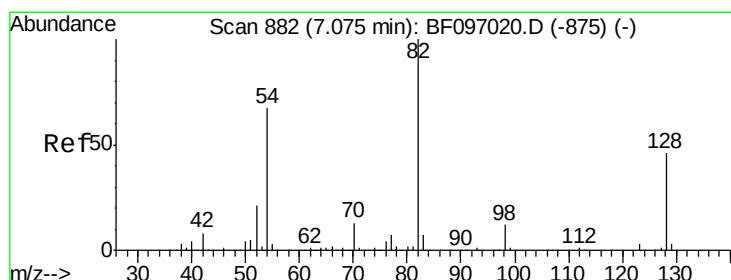
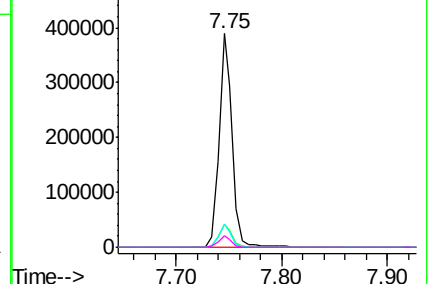
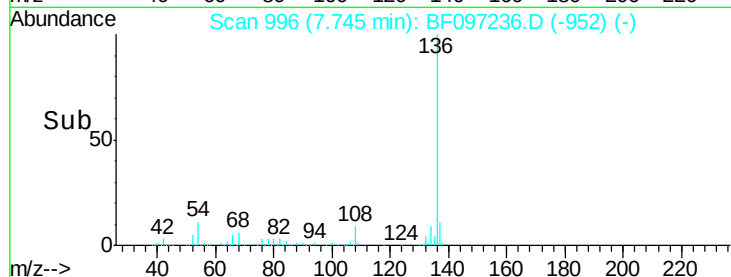


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.95 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.04 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

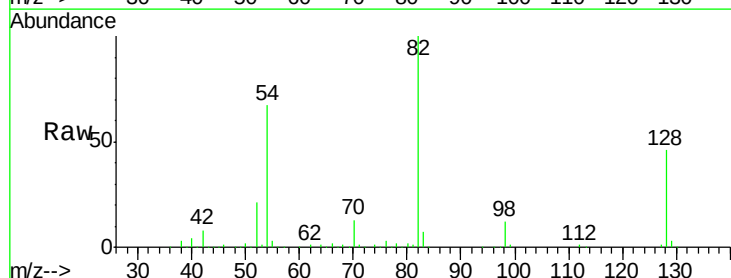
Tgt Ion: 82 Resp: 494109

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

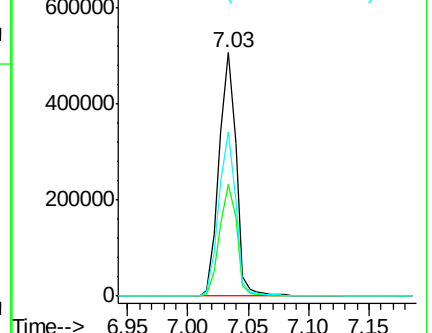
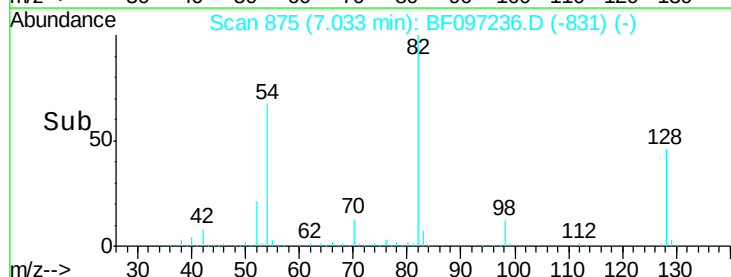
54 67.4 42.2 63.2#

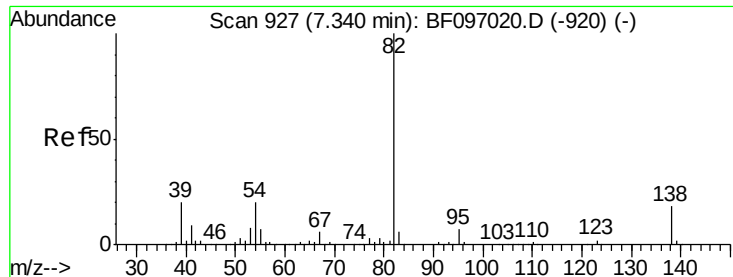


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.64 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.31 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4

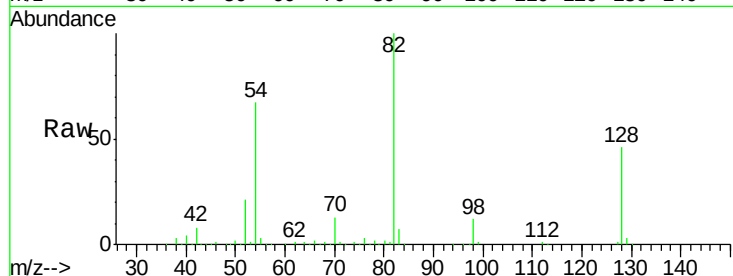
Tot Ion: 82 Resp: 485699

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

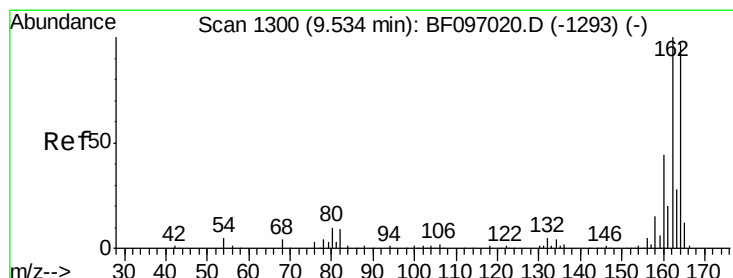
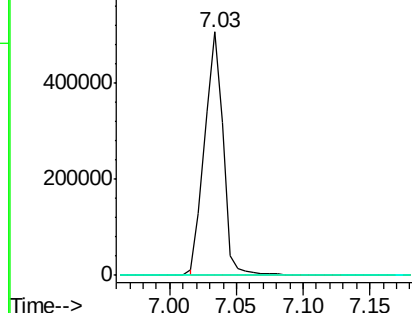
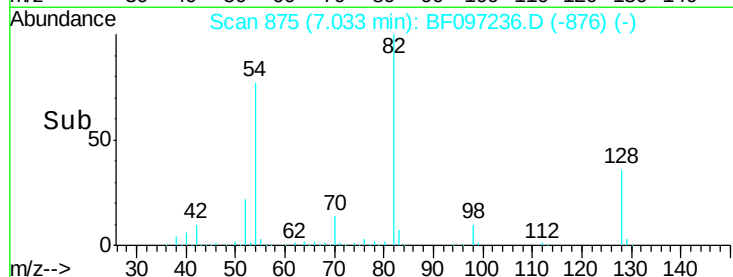
138 0.0 13.1 19.7#



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: 9.49 min Scan# 1293

Delta R.T. -0.04 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

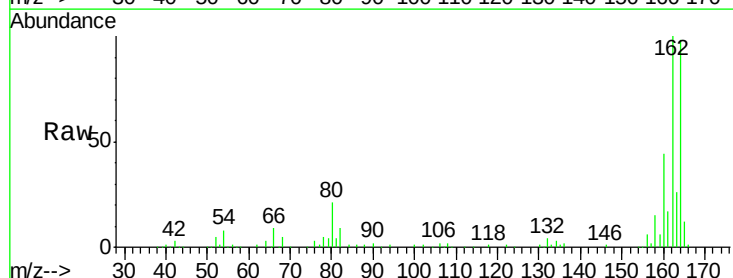
Tgt Ion:164 Resp: 126420

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

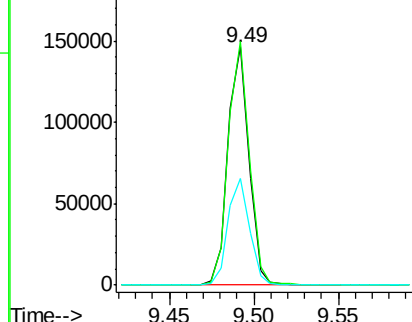
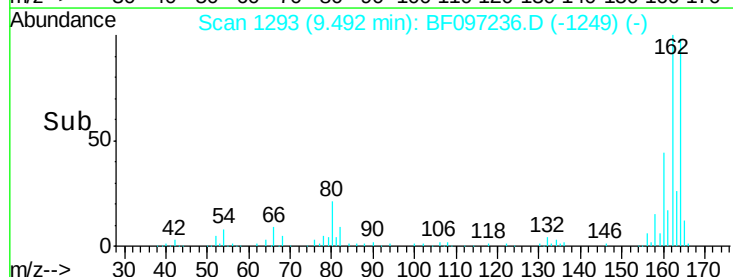
160 44.6 36.2 54.2

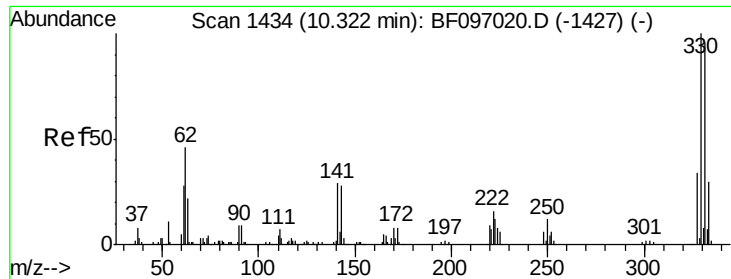


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

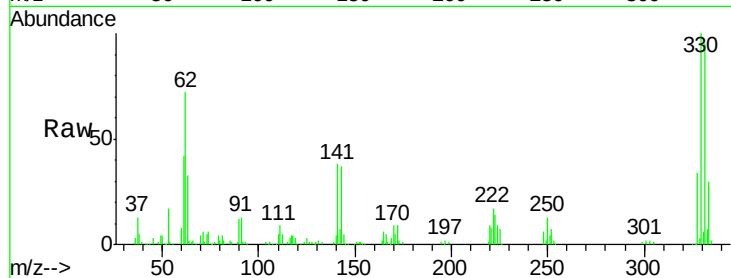




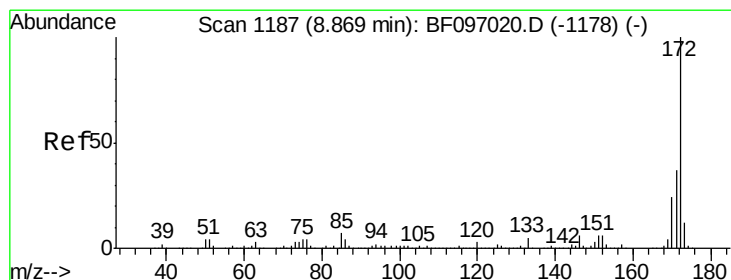
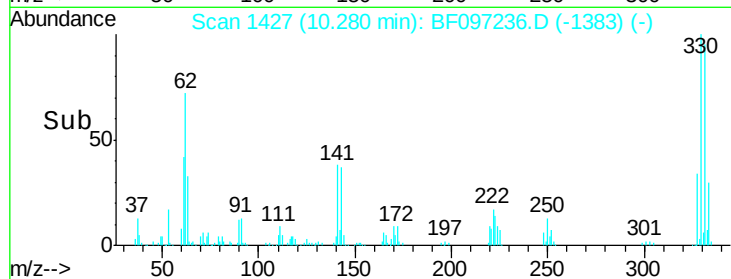
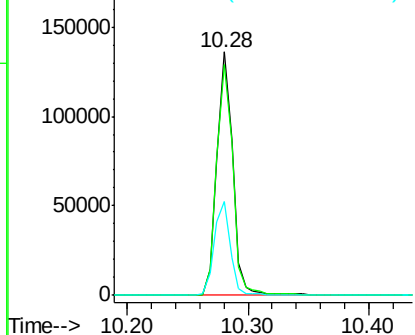
#41
 2,4,6-Tribromophenol
 Concen: 122.24 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF097236.D
 Acq: 1 Aug 2017 17:24

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	39.2	31.4	47.2

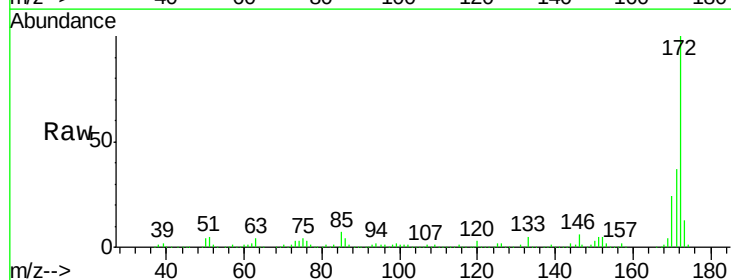


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

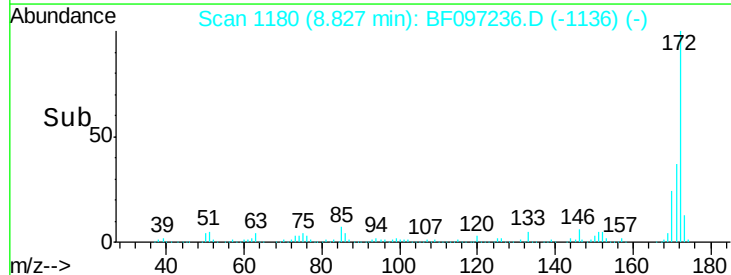
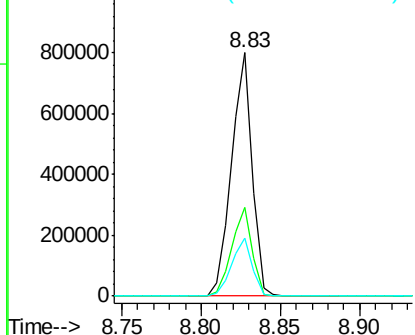


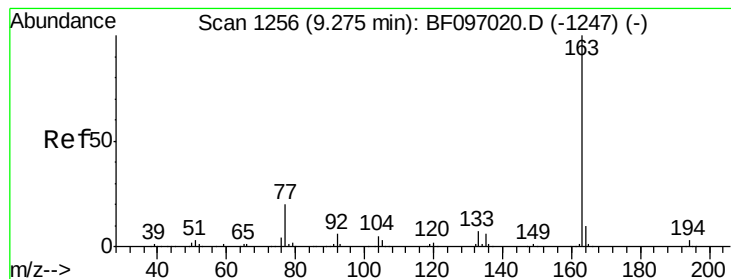
#44
 2-Fluorobiphenyl
 Concen: 97.10 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF097236.D
 Acq: 1 Aug 2017 17:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.8	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: 3.82 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.22 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4

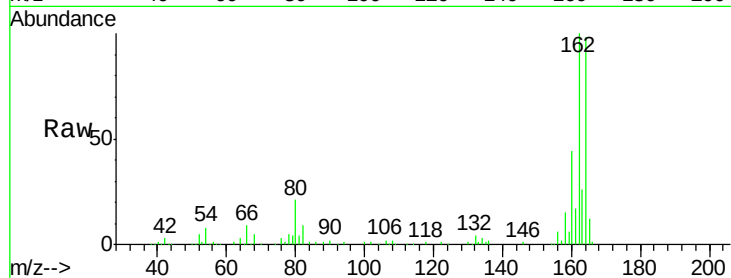
Tot Ion:163 Resp: 36709

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

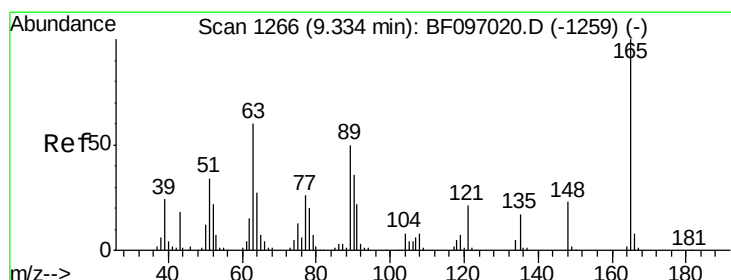
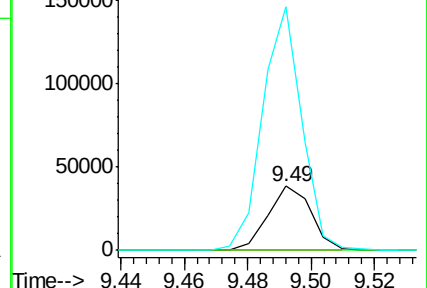
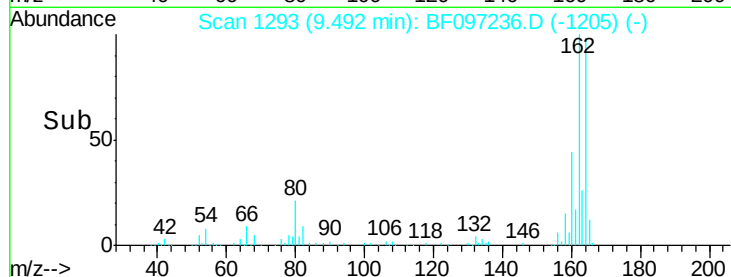
164 378.6 8.4 12.6#



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: 7.63 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.16 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

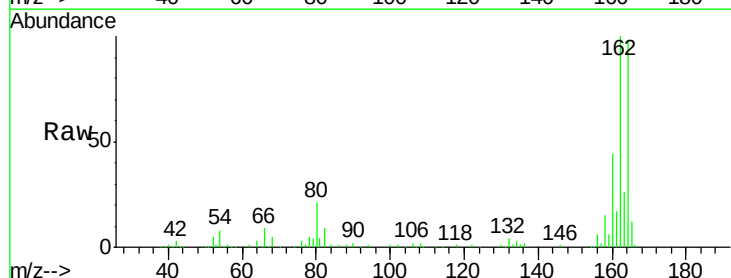
Tgt Ion:165 Resp: 15543

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

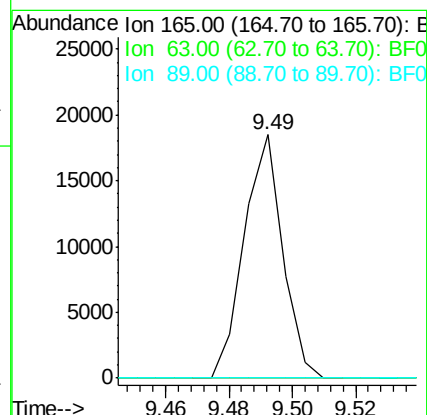
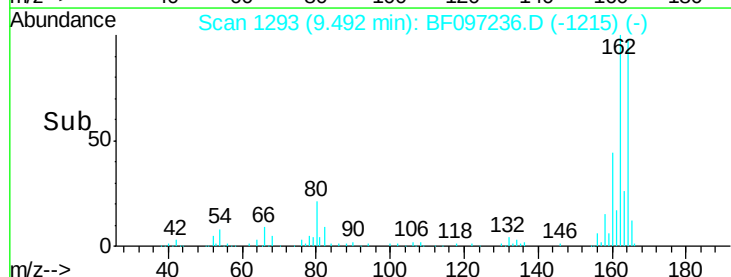
89 0.0 37.1 55.7#

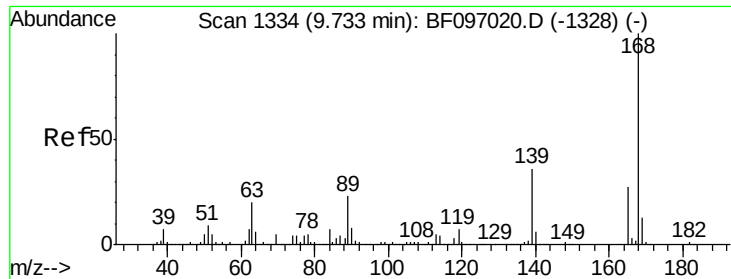


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.64 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.24 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

Instrument :

BNA_F

ClientSampleId :

HDD-PILWC4

Tot Ion:165 Resp: 15543

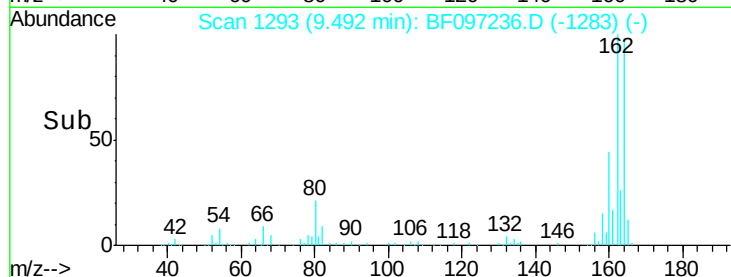
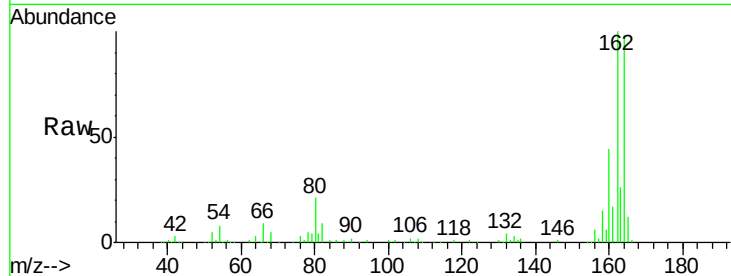
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

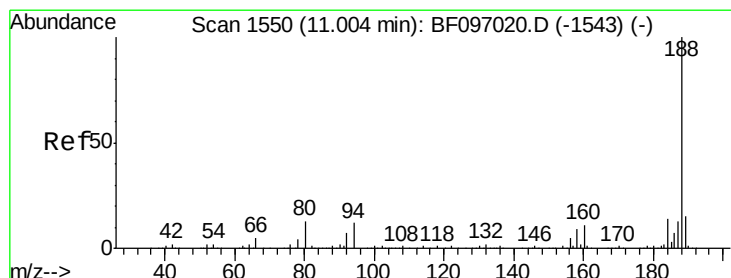
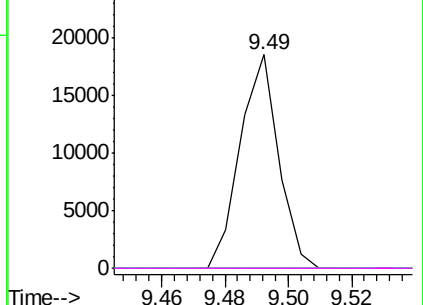


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.96 min Scan# 1543

Delta R.T. -0.04 min

Lab File: BF097236.D

Acq: 1 Aug 2017 17:24

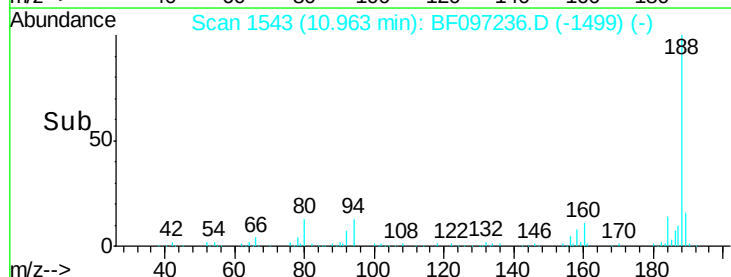
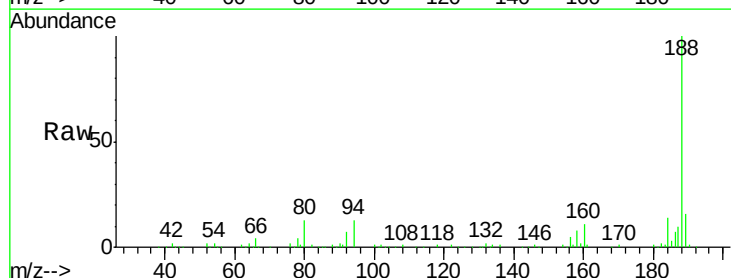
Tgt Ion:188 Resp: 178526

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

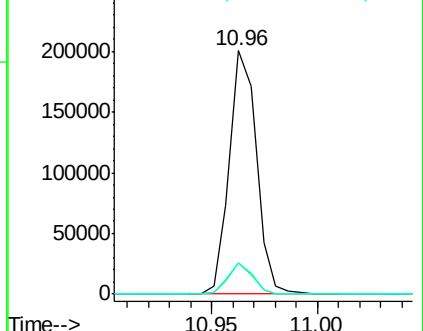
80 12.7 10.2 15.2

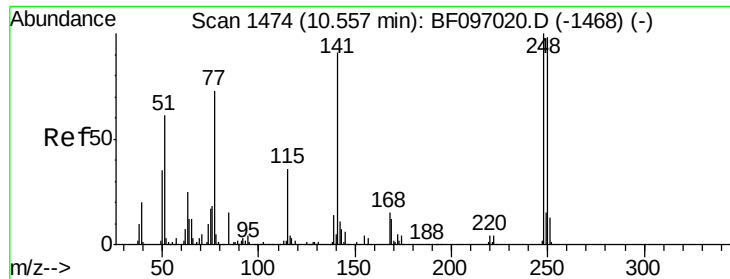


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

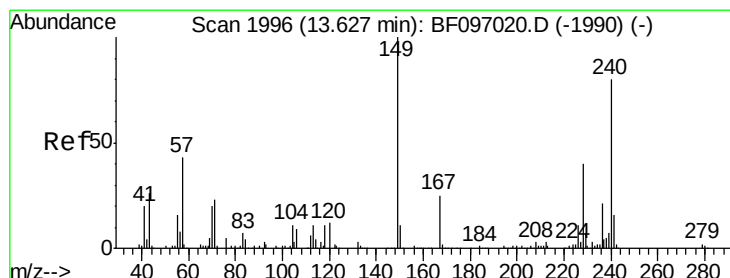
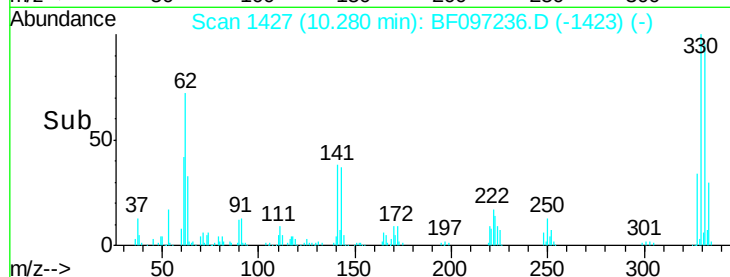
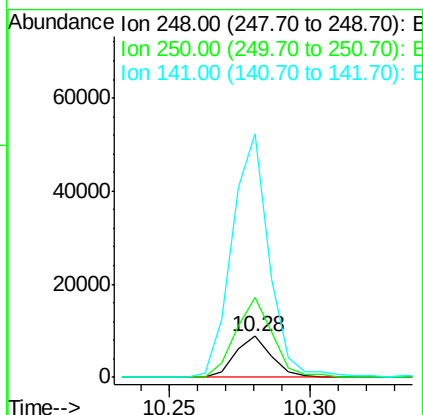
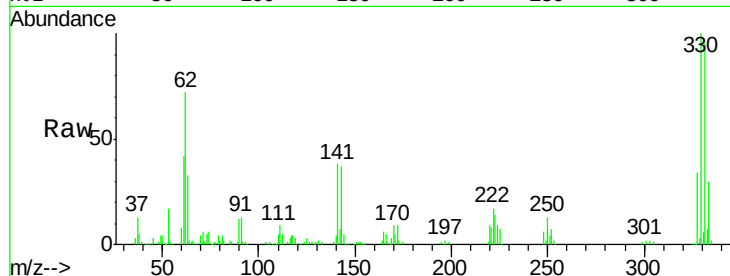




#66
 4-Bromophenyl-phenylether
 Concen: 4.37 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.28 min
 Lab File: BF097236.D
 Acq: 1 Aug 2017 17:24

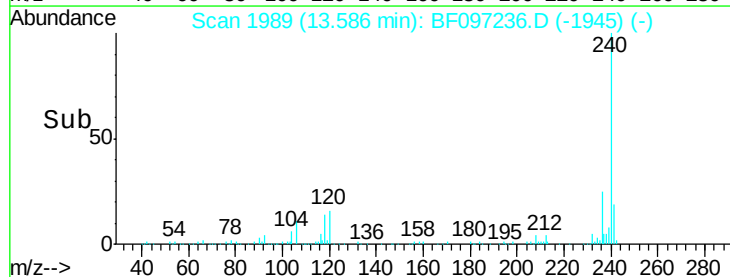
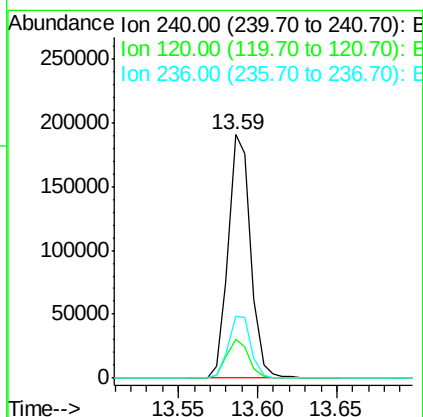
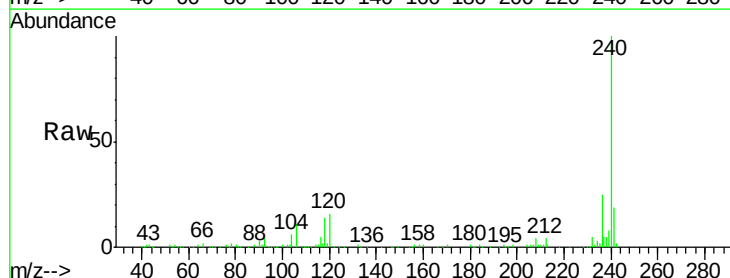
Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4

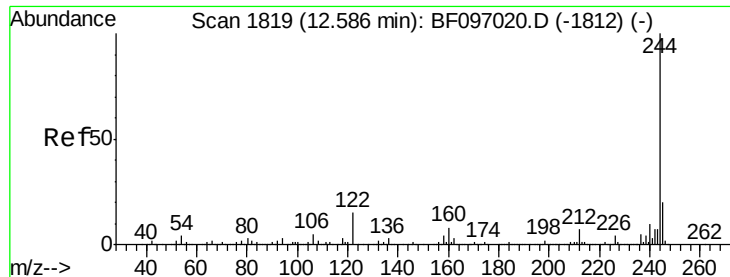
Tot Ion:248 Resp: 7788
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.8 115.2#
 141 595.1 68.6 103.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.59 min Scan# 1989
 Delta R.T. -0.04 min
 Lab File: BF097236.D
 Acq: 1 Aug 2017 17:24

Tgt Ion:240 Resp: 186891
 Ion Ratio Lower Upper
 240 100
 120 16.1 5.8 8.8#
 236 25.5 20.5 30.7

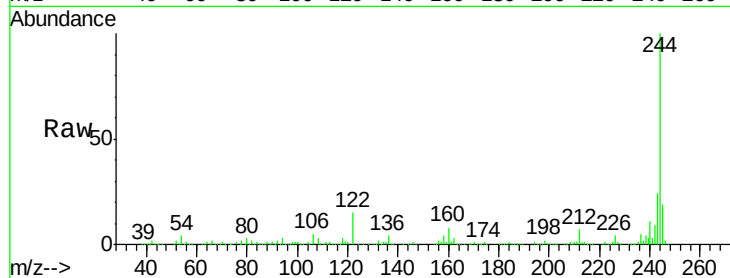




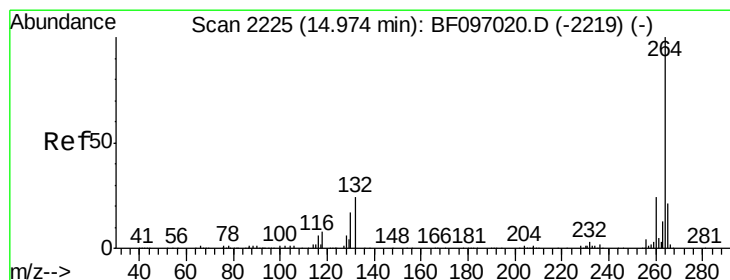
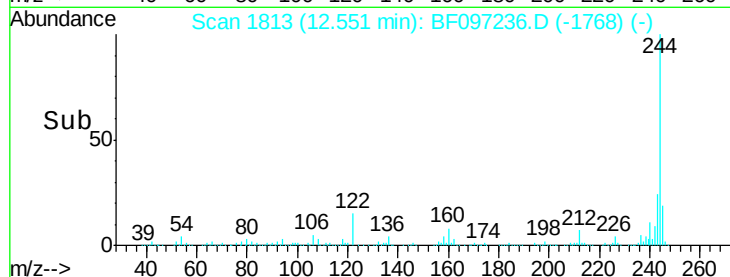
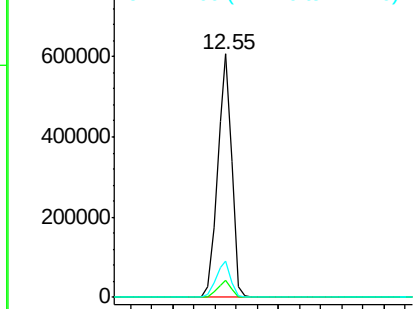
#78
 Terphenyl-d14
 Concen: 62.43 ng
 RT: 12.55 min Scan# 1813
 Delta R.T. -0.04 min
 Lab File: BF097236.D
 Acq: 1 Aug 2017 17:24

Instrument :
 BNA_F
 ClientSampleId :
 HDD-PILWC4

Tot Ion:244 Resp: 572297
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 14.9 10.3 15.5

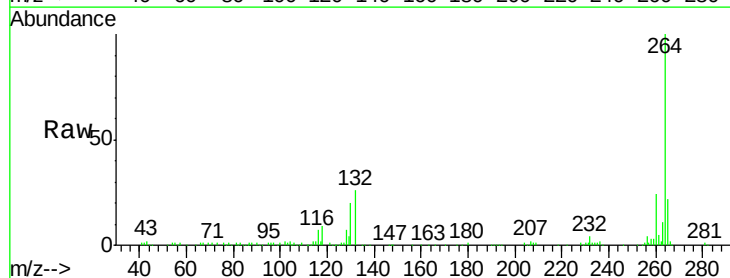


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. -0.04 min
 Lab File: BF097236.D
 Acq: 1 Aug 2017 17:24

Tgt Ion:264 Resp: 147439
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.5 29.3
 265 21.7 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

