

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097129.D
 Acq On : 27 Jul 2017 18:21
 Operator : SJ/JU
 Sample : I4432-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Jul 28 00:43:13 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

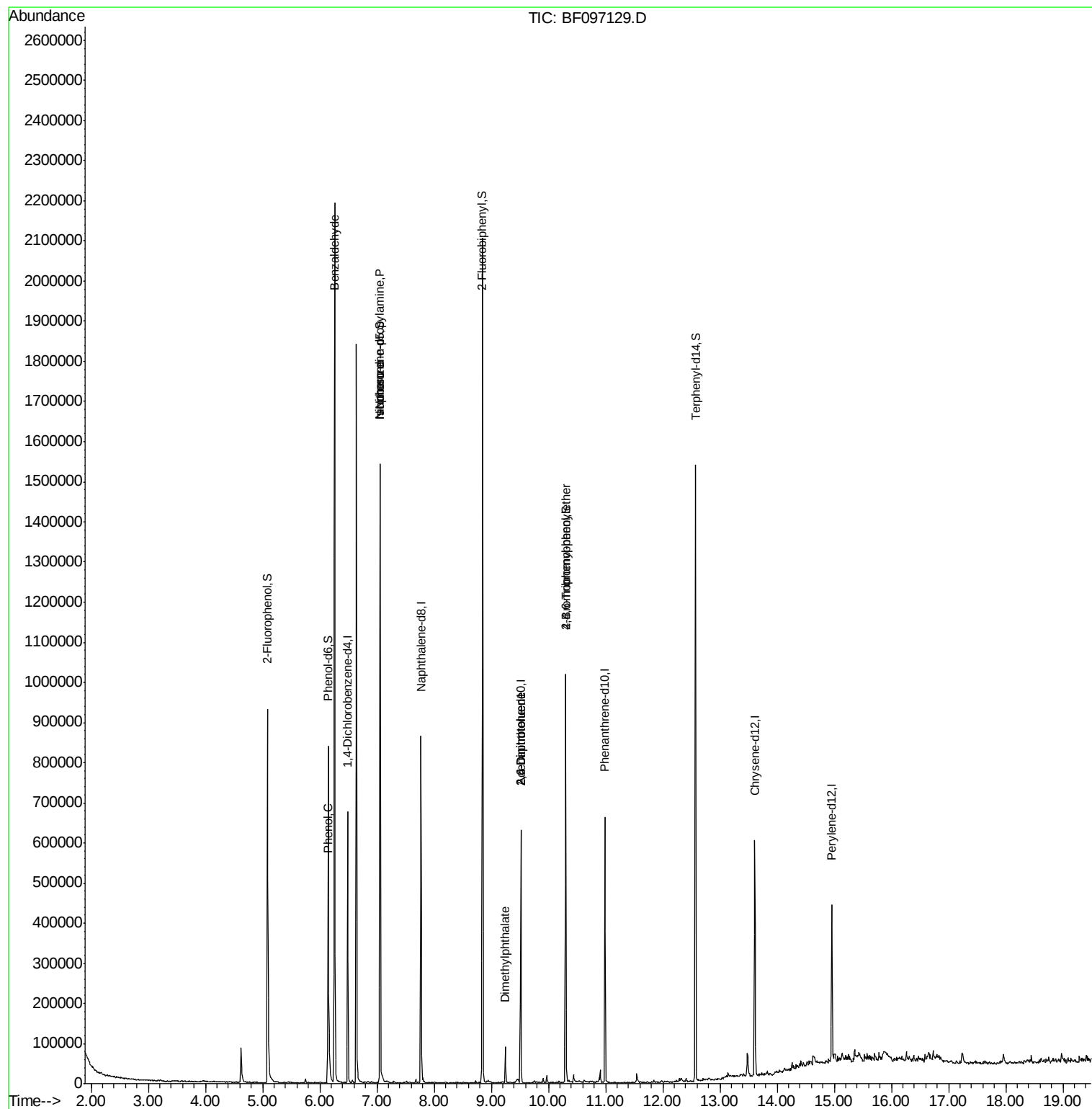
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	96490	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	348141	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	126998	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	218545	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	185849	20.00	ng	-0.02
86) Perylene-d12	14.96	264	154710	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	284591	44.46	ng	-0.01
7) Phenol-d6	6.15	99	261155	35.74	ng	-0.02
23) Nitrobenzene-d5	7.05	82	497009	83.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	110534	110.16	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	713394	95.33	ng	-0.02
78) Terphenyl-d14	12.57	244	507949	55.72	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.26	77	11174	2.58	ng	# 79
10) Phenol	6.16	94	17390	2.01	ng	# 87
19) n-Nitroso-di-n-propylamine	7.05	70	67733	14.08	ng	# 85
25) Isophorone	7.05	82	491872	42.32	ng	# 67
49) Dimethylphthalate	9.25	163	31911	3.31	ng	# 99
50) 2,6-Dinitrotoluene	9.51	165	16900	8.26	ng	# 31
56) 2,4-Dinitrotoluene	9.51	165	16900	7.19	ng	# 31
66) 4-Bromophenyl-phenylether	10.30	248	6515	2.99	ng	# 1

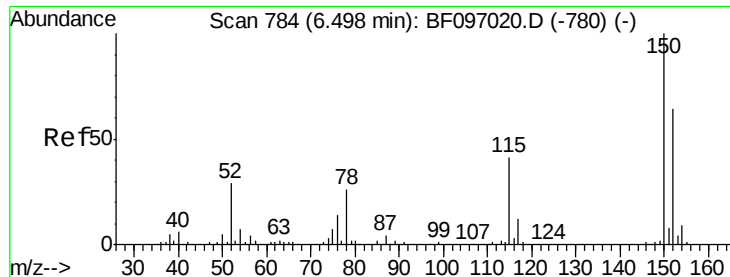
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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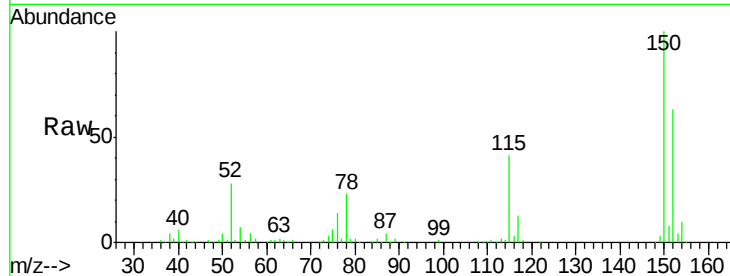


#1

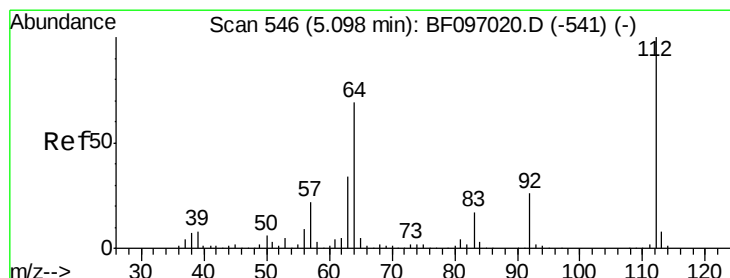
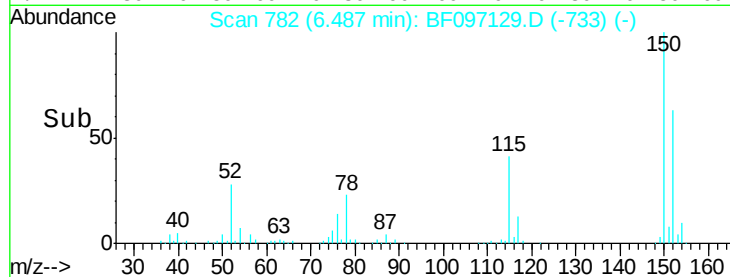
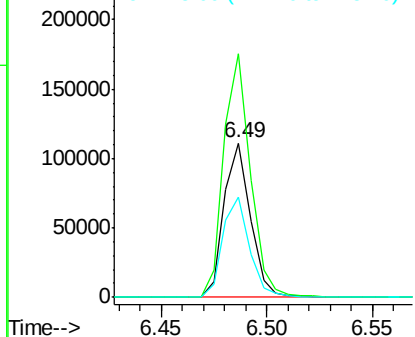
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097129.D
Acq: 27 Jul 2017 18:21

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion:152 Resp: 96490
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.2
115 65.0 52.2 78.2



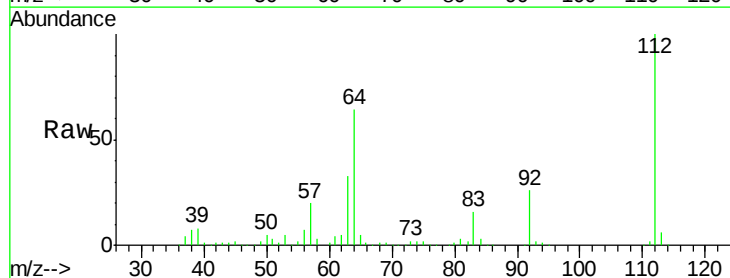
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



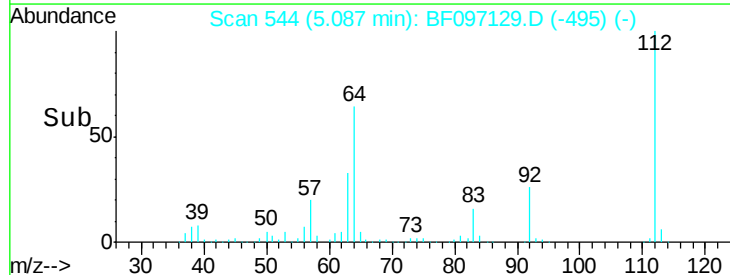
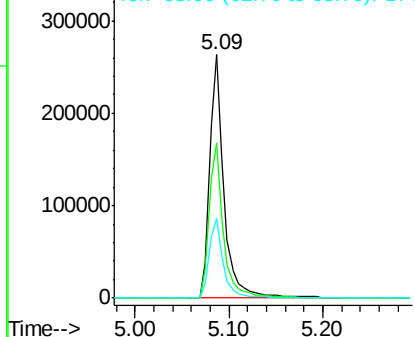
#5

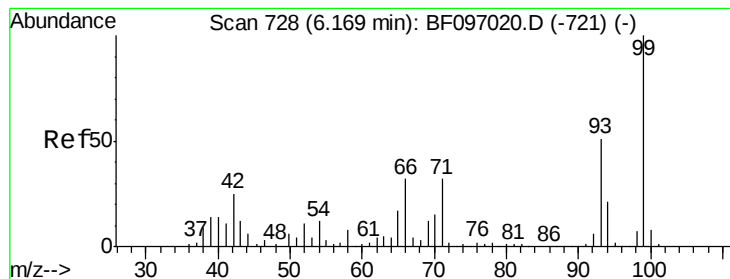
2-Fluorophenol
Concen: 44.46 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097129.D
Acq: 27 Jul 2017 18:21

Tgt Ion:112 Resp: 284591
Ion Ratio Lower Upper
112 100
64 63.8 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: 35.74 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Instrument :

BNA_F

ClientSampled :

MW-2

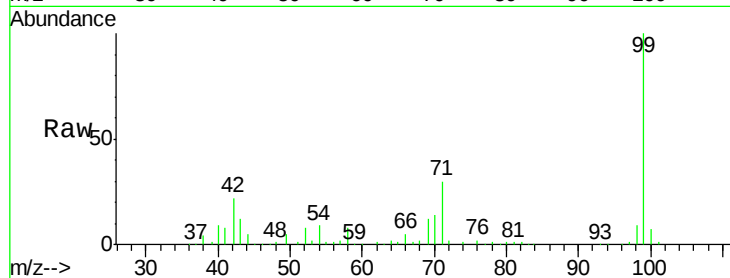
Tot Ion: 99 Resp: 261155

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

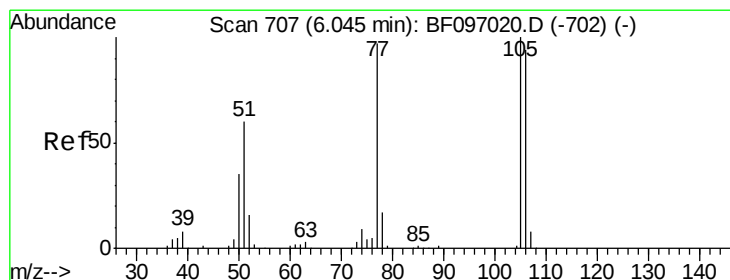
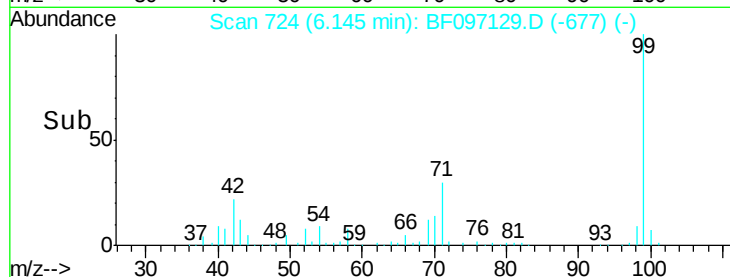
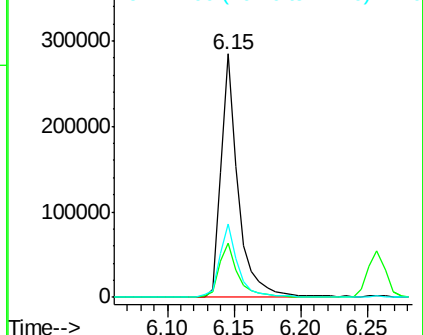
71 30.1 24.5 36.7



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



#9

Benzaldehyde

Concen: 2.58 ng

RT: 6.26 min Scan# 743

Delta R.T. 0.21 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

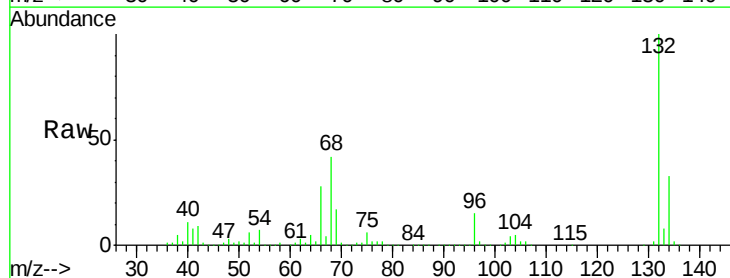
Tgt Ion: 77 Resp: 11174

Ion Ratio Lower Upper

77 100

105 77.8 83.8 123.8#

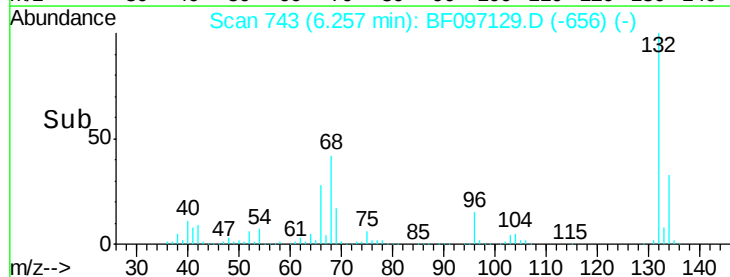
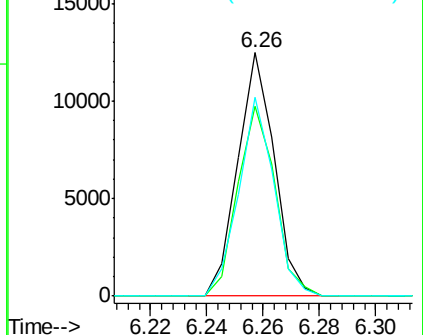
106 81.9 79.1 119.1

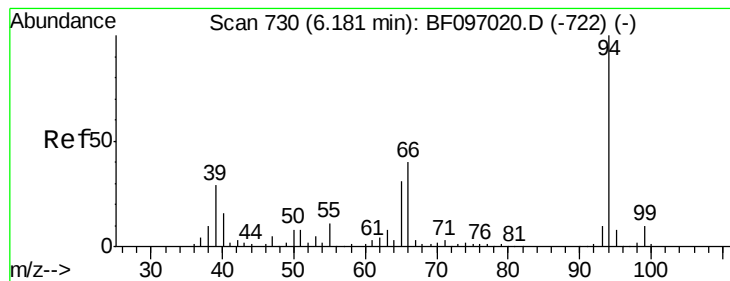


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.01 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Instrument :

BNA_F

ClientSampleId :

MW-2

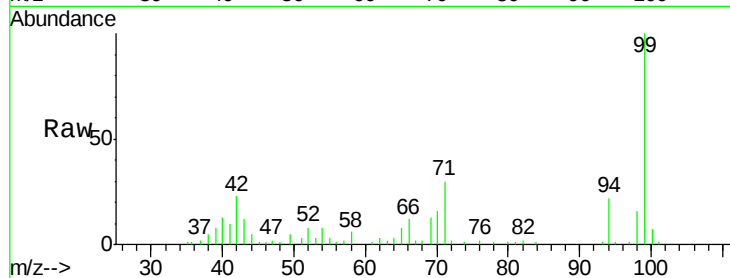
Tot Ion: 94 Resp: 17390

Ion Ratio Lower Upper

94 100

65 35.2 9.9 49.9

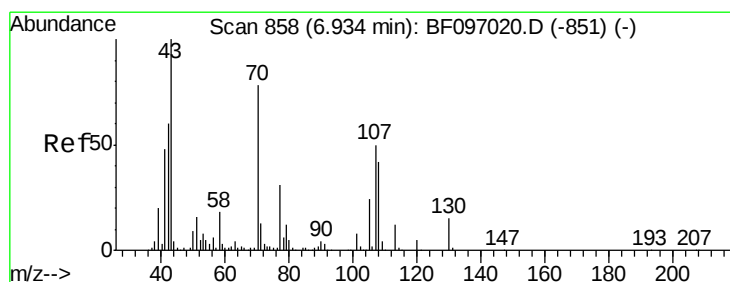
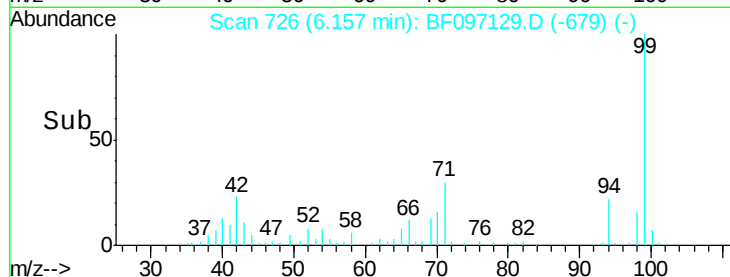
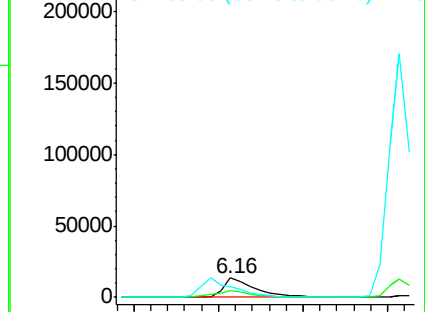
66 53.3 23.1 63.1



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: 14.08 ng

RT: 7.05 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Tgt Ion: 70 Resp: 67733

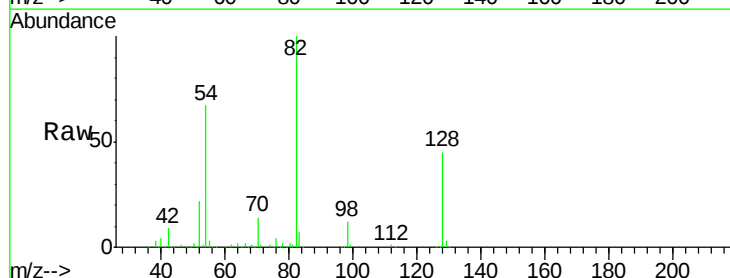
Ion Ratio Lower Upper

70 100

42 62.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

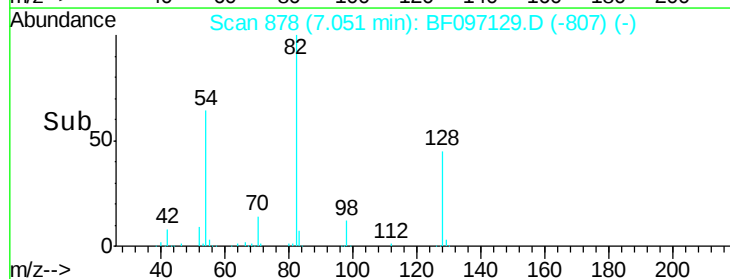
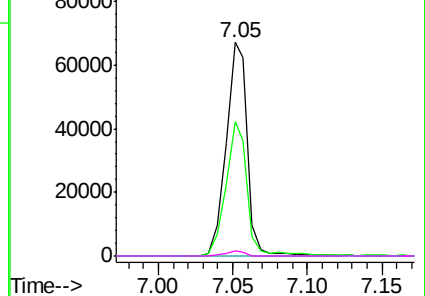


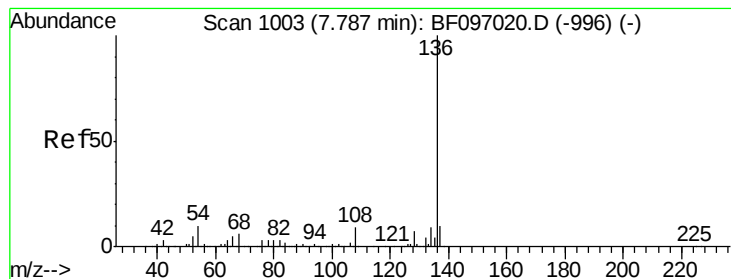
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Instrument :

BNA_F

ClientSampleId :

MW-2

Tot Ion:136 Resp: 348141

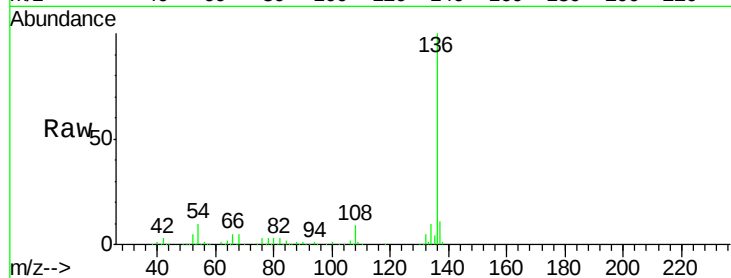
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 9.8 4.9 7.3#

68 5.1 4.1 6.1

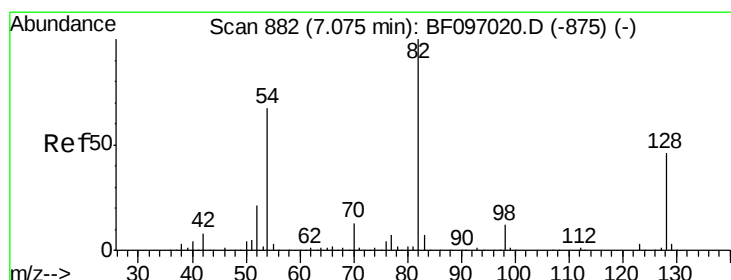
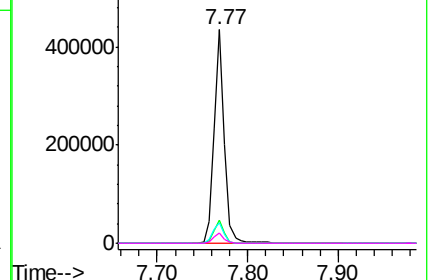
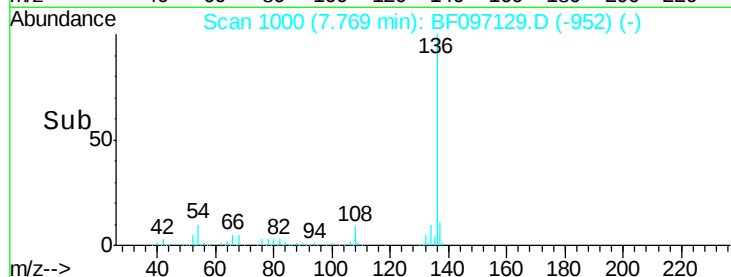


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 83.75 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

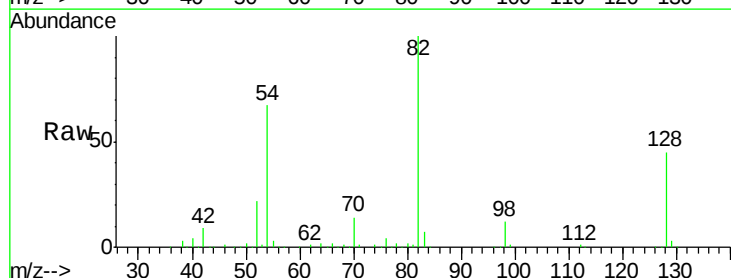
Tgt Ion: 82 Resp: 497009

Ion Ratio Lower Upper

82 100

128 45.1 34.0 51.0

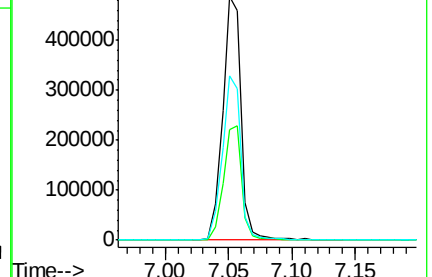
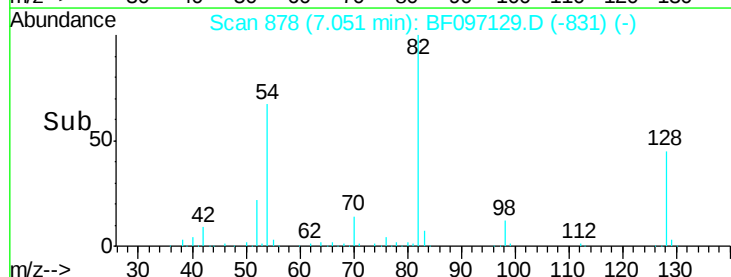
54 67.4 42.2 63.2#

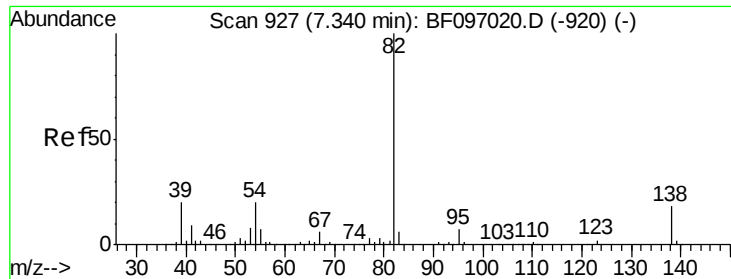


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.32 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Instrument :

BNA_F

ClientSampleId :

MW-2

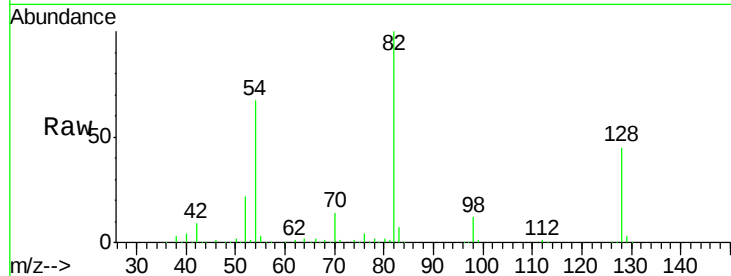
Tot Ion: 82 Resp: 491872

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

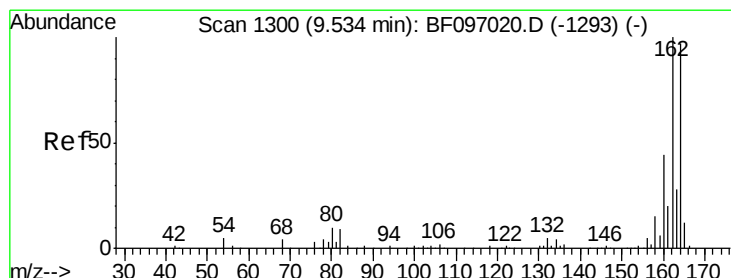
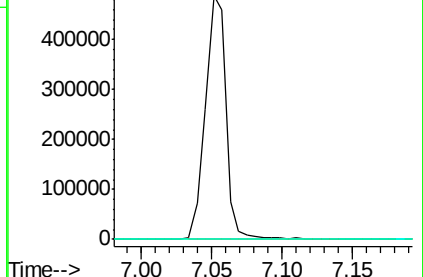
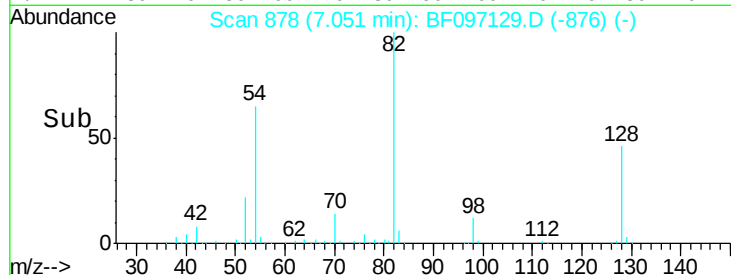
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF097129.D (-878) (-)

Ion 95.00 (94.70 to 95.70): BF097129.D (-878) (-)

Ion 138.00 (137.70 to 138.70): BF097129.D (-878) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

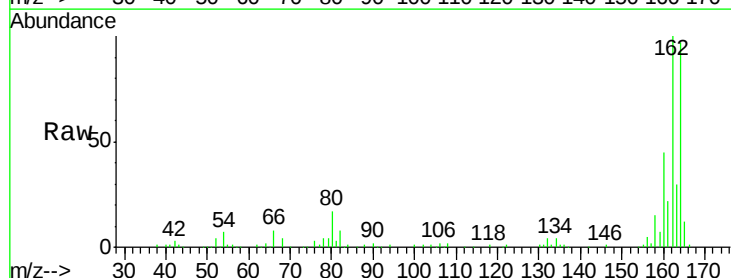
Tgt Ion:164 Resp: 126998

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

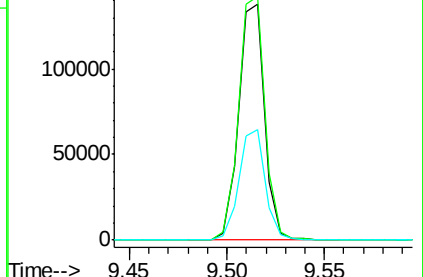
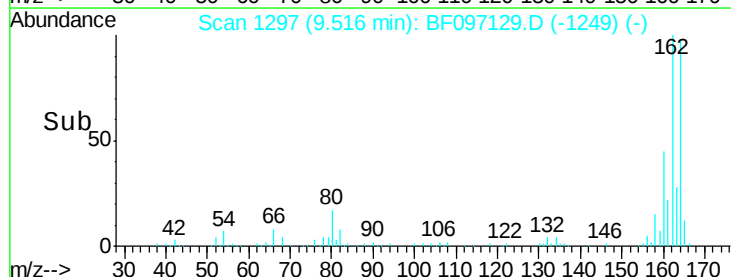
160 46.7 36.2 54.2

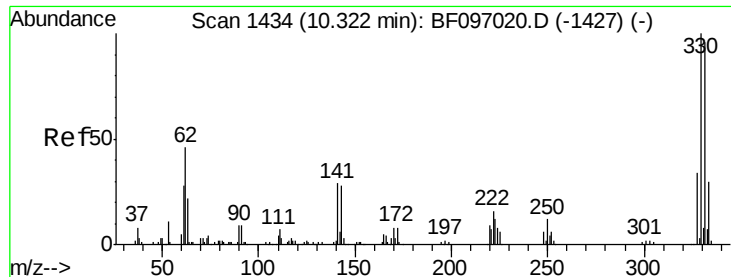


Abundance Ion 164.00 (163.70 to 164.70): BF097129.D (-1249) (-)

Ion 162.00 (161.70 to 162.70): BF097129.D (-1249) (-)

Ion 160.00 (159.70 to 160.70): BF097129.D (-1249) (-)





#41

2,4,6-Tribromophenol

Concen: 110.16 ng

RT: 10.30 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Instrument :

BNA_F

ClientSampleId :

MW-2

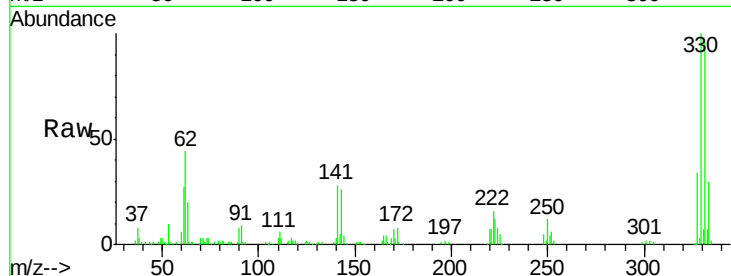
Tot Ion:330 Resp: 110534

Ion Ratio Lower Upper

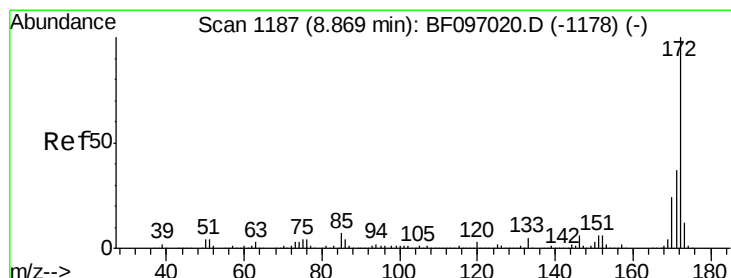
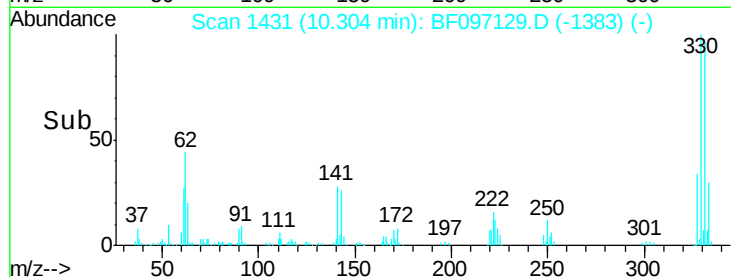
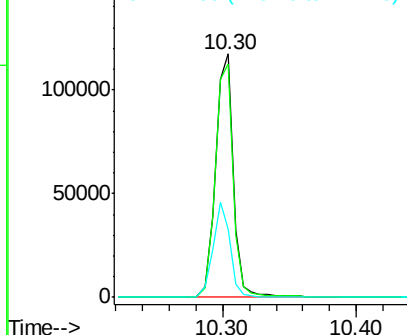
330 100

332 97.5 76.6 115.0

141 37.1 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: 95.33 ng

RT: 8.85 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

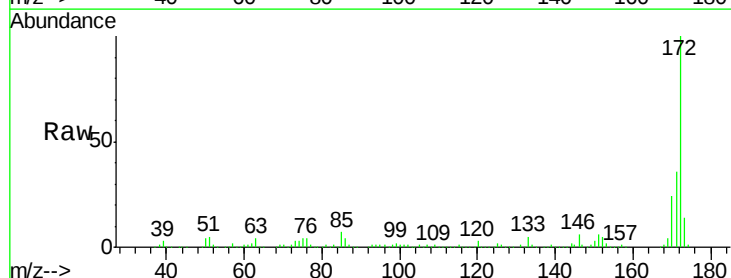
Tgt Ion:172 Resp: 713394

Ion Ratio Lower Upper

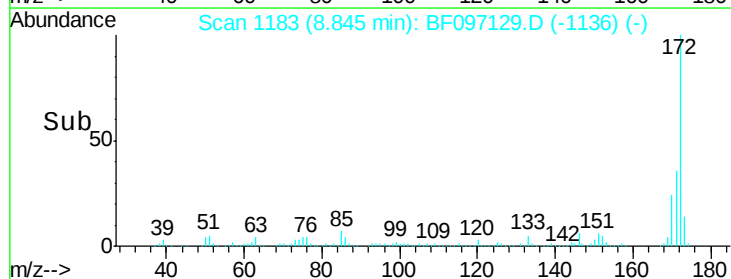
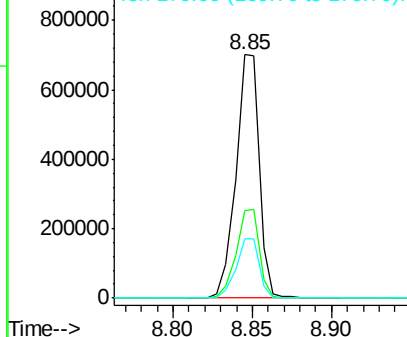
172 100

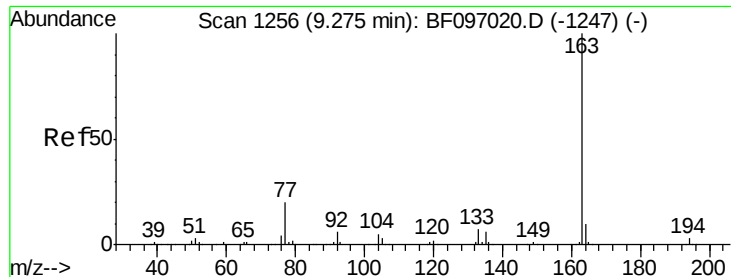
171 35.9 29.6 44.4

170 24.1 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

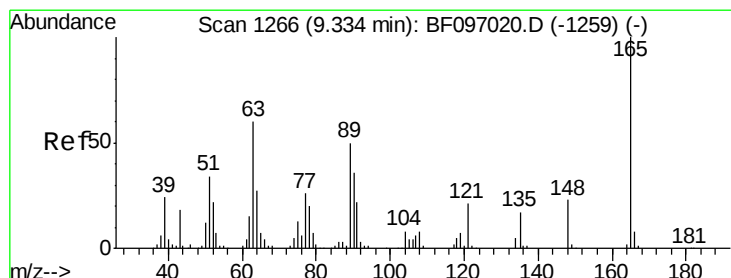
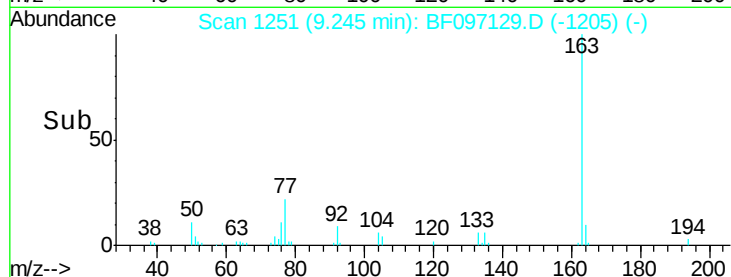
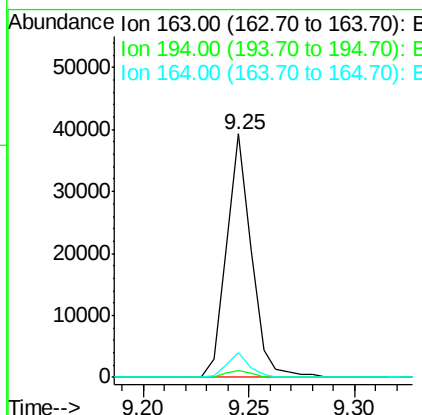
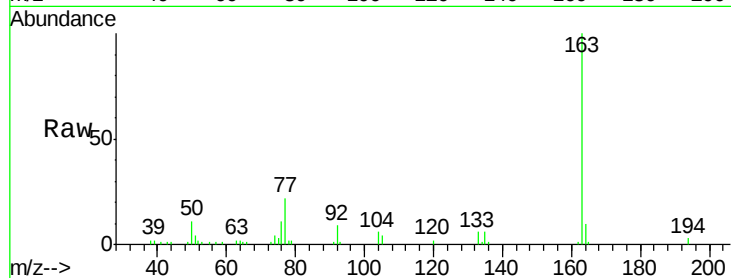




#49
Dimethylphthalate
Concen: 3.31 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097129.D
Acq: 27 Jul 2017 18:21

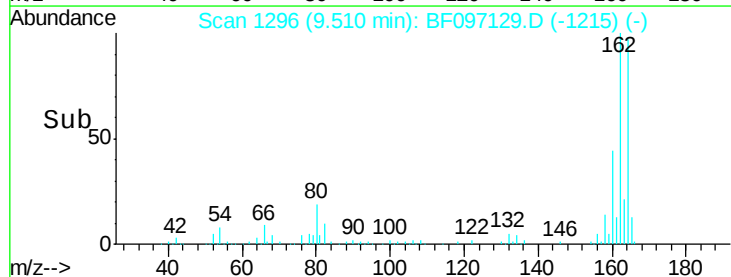
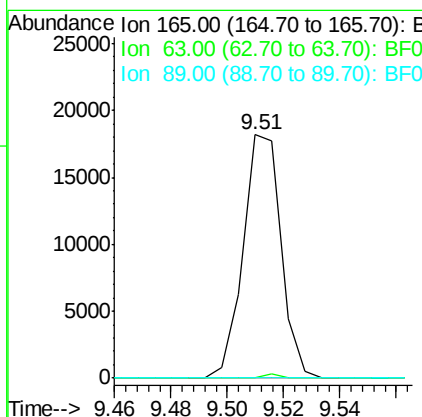
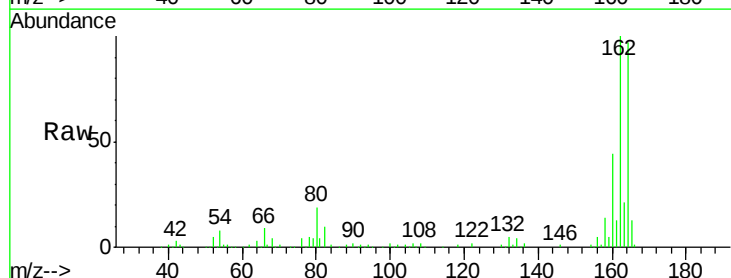
Instrument :
BNA_F
ClientSampleId :
MW-2

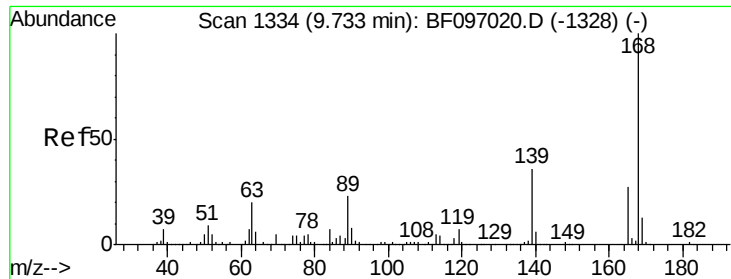
Tot Ion:163 Resp: 31911
Ion Ratio Lower Upper
163 100
194 2.6 2.6 4.0#
164 10.1 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.26 ng
RT: 9.51 min Scan# 1296
Delta R.T. 0.18 min
Lab File: BF097129.D
Acq: 27 Jul 2017 18:21

Tgt Ion:165 Resp: 16900
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#

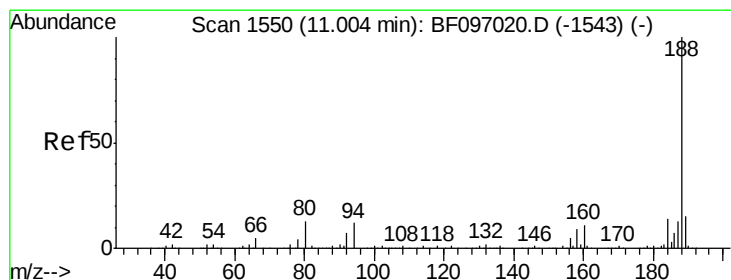
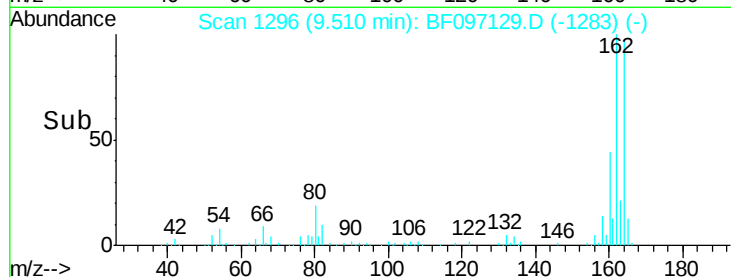
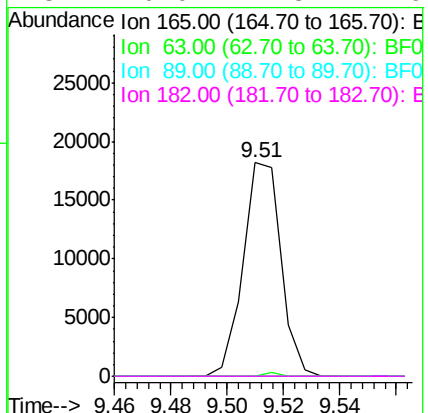
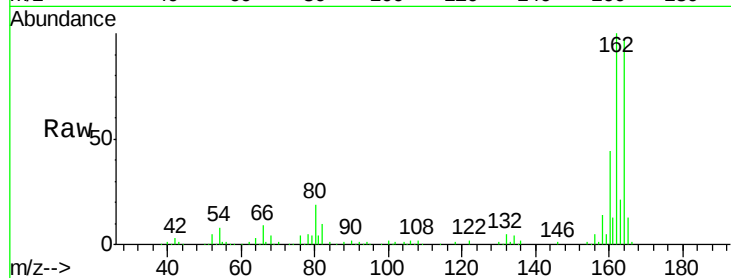




#56
 2,4-Dinitrotoluene
 Concen: 7.19 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.22 min
 Lab File: BF097129.D
 Acq: 27 Jul 2017 18:21

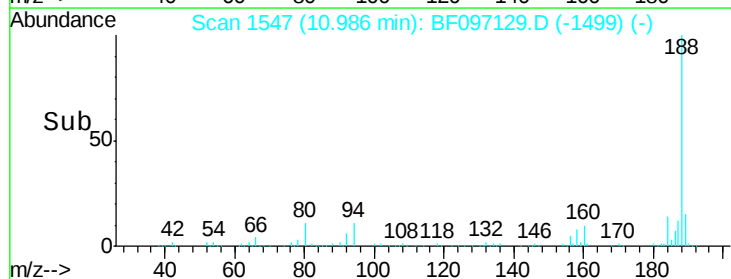
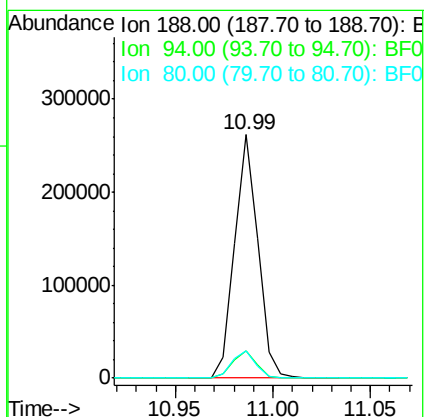
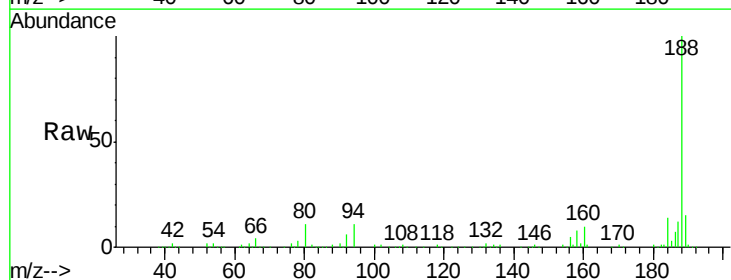
Instrument :
 BNA_F
 ClientSampleId :
 MW-2

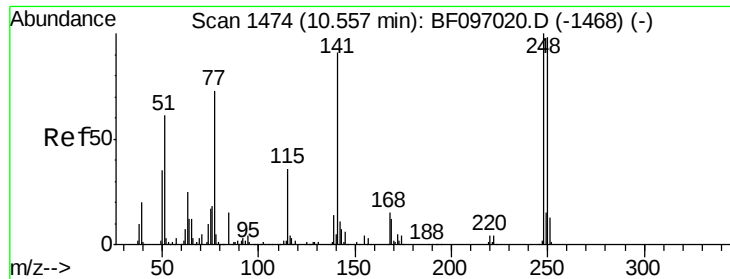
Tot Ion:165 Resp: 16900
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097129.D
 Acq: 27 Jul 2017 18:21

Tgt Ion:188 Resp: 218545
 Ion Ratio Lower Upper
 188 100
 94 11.3 9.4 14.2
 80 11.3 10.2 15.2

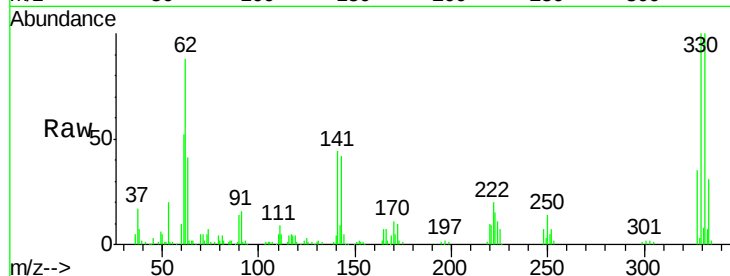




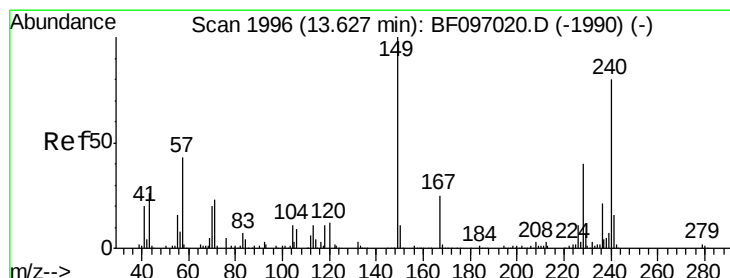
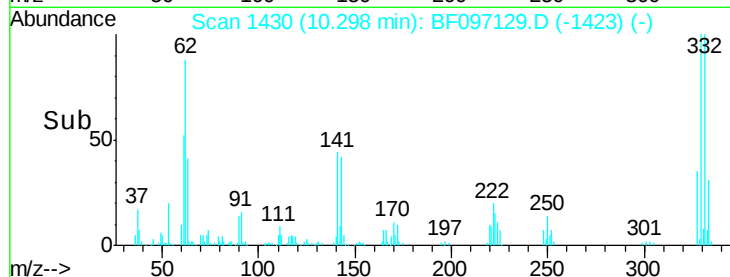
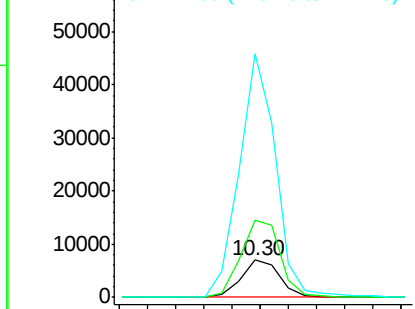
#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.26 min
Lab File: BF097129.D
Acq: 27 Jul 2017 18:21

Instrument :
BNA_F
ClientSampleId :
MW-2

Tot Ion:248 Resp: 6515
Ion Ratio Lower Upper
248 100
250 207.0 76.8 115.2#
141 656.9 68.6 103.0#

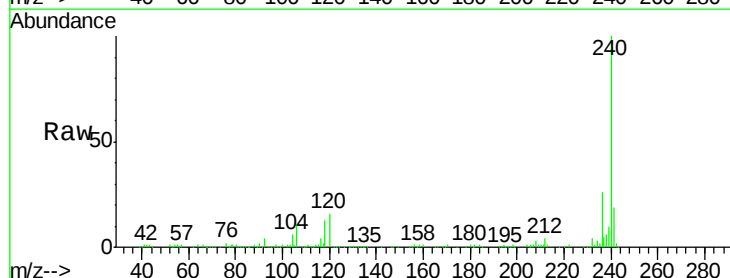


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

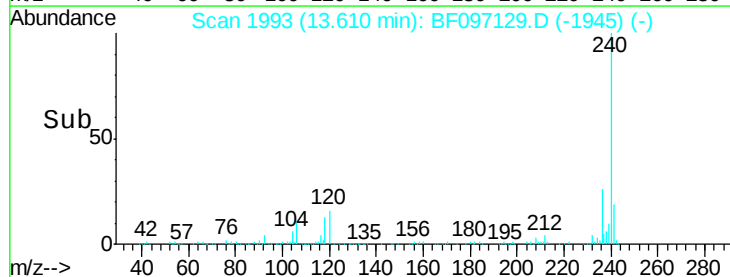
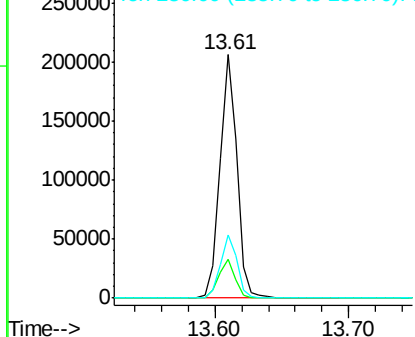


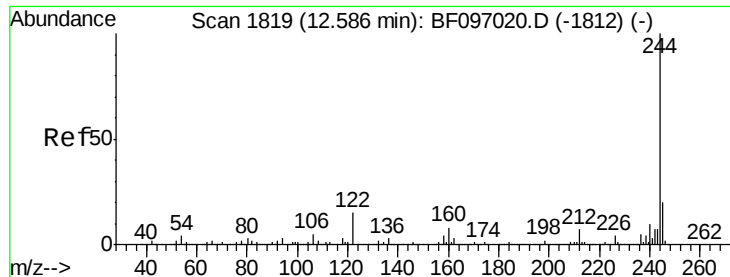
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BF097129.D
Acq: 27 Jul 2017 18:21

Tgt Ion:240 Resp: 185849
Ion Ratio Lower Upper
240 100
120 16.1 5.8 8.8#
236 26.0 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: 55.72 ng

RT: 12.57 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

Instrument :

BNA_F

ClientSampleId :

MW-2

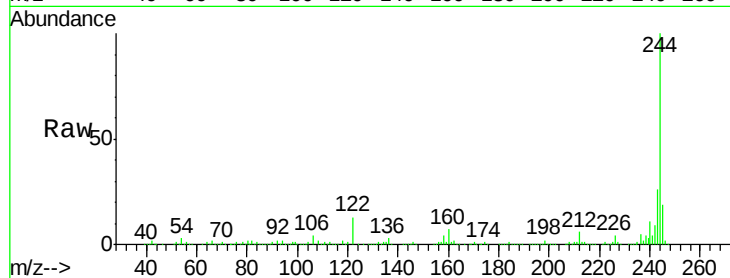
Tot Ion:244 Resp: 507949

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

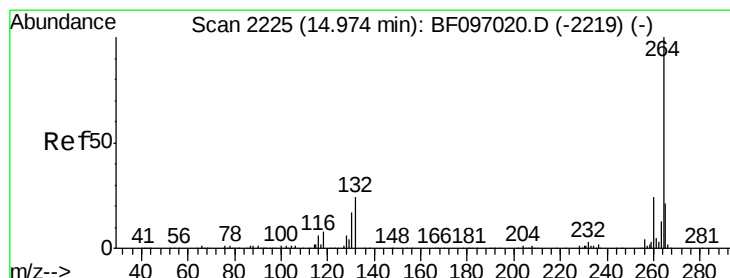
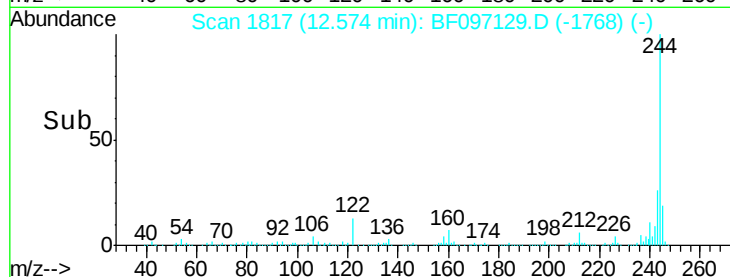
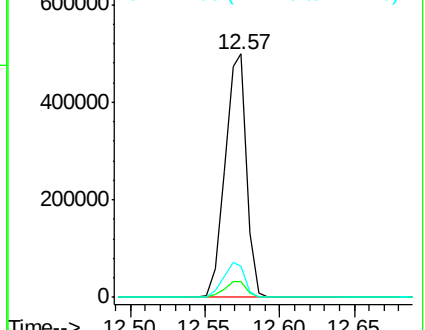
122 12.9 10.3 15.5



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: 14.96 min Scan# 2222

Delta R.T. -0.02 min

Lab File: BF097129.D

Acq: 27 Jul 2017 18:21

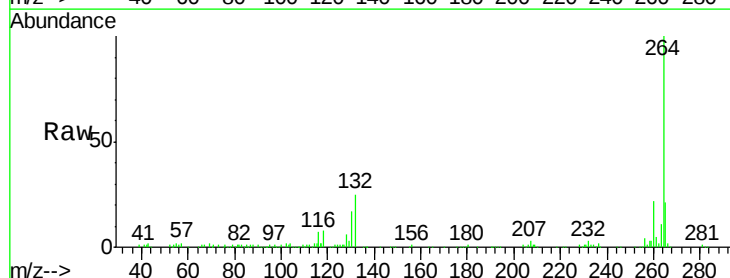
Tgt Ion:264 Resp: 154710

Ion Ratio Lower Upper

264 100

260 22.3 19.5 29.3

265 21.3 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

