

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097553.D
 Acq On : 10 Aug 2017 10:43
 Operator : SJ/JU
 Sample : I4628-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 13:26:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

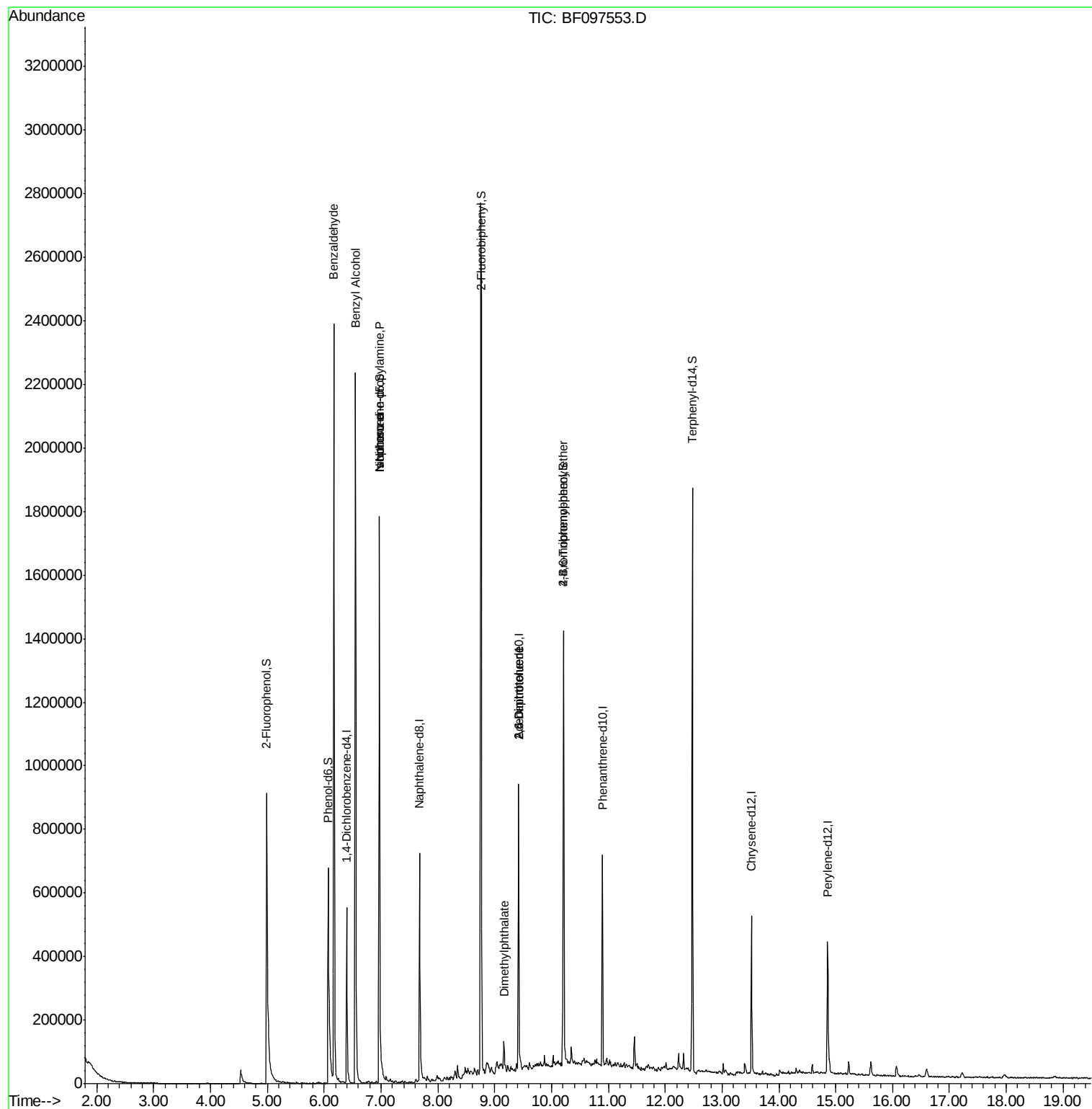
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	97391	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	381116	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	172208	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	246135	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	176044	20.00	ng	-0.02
86) Perylene-d12	14.86	264	154801	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	427781	66.22	ng	-0.02
7) Phenol-d6	6.07	99	342722	46.47	ng	-0.02
23) Nitrobenzene-d5	6.97	82	632814	97.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	173694	127.66	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	993316	97.89	ng	-0.02
78) Terphenyl-d14	12.48	244	576514	66.77	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.17	77	15046	3.447	ng	# 67
15) Benzyl Alcohol	6.55	79	10035	2.149	ng	# 32
19) n-Nitroso-di-n-propylamine	6.97	70	85838	17.681	ng	# 86
25) Isophorone	6.97	82	632807	49.738	ng	# 67
49) Dimethylphthalate	9.16	163	32050	2.451	ng	100
50) 2,6-Dinitrotoluene	9.42	165	21888	7.892	ng	# 35
56) 2,4-Dinitrotoluene	9.42	165	21888	6.865	ng	# 34
66) 4-Bromophenyl-phenylether	10.22	248	10639	4.331	ng	# 1

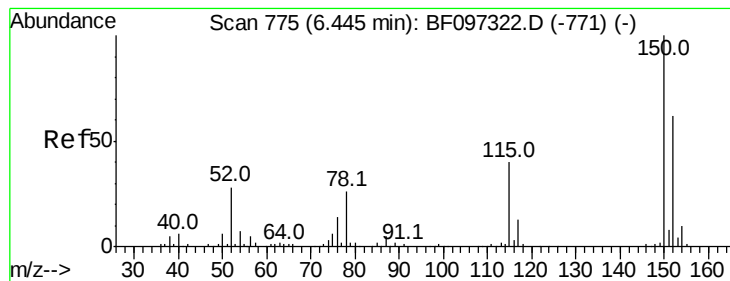
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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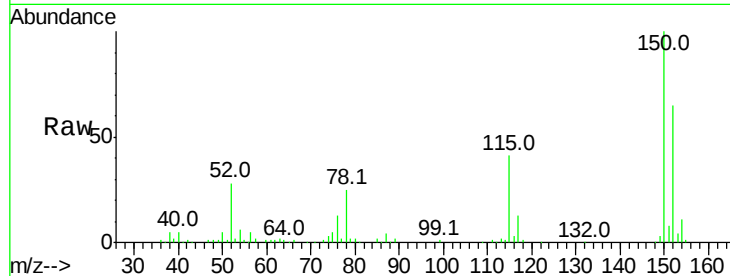


#1

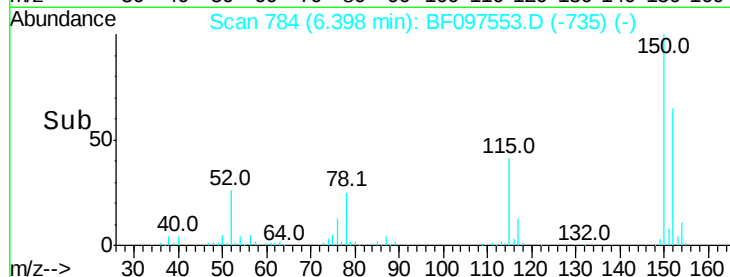
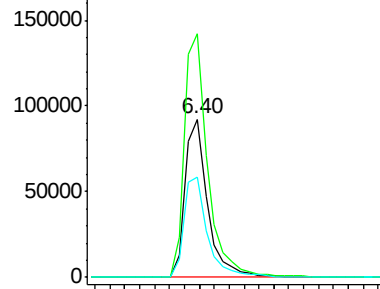
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097553.D
Acq: 10 Aug 2017 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97391
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 63.1 52.2 78.2



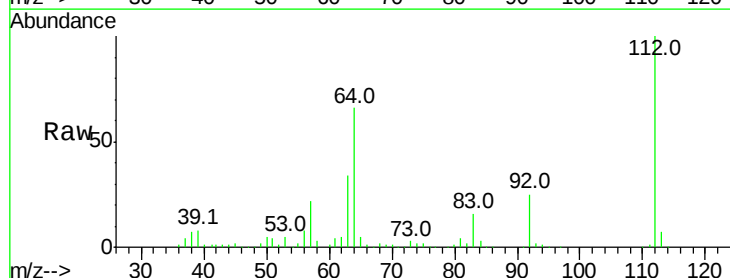
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



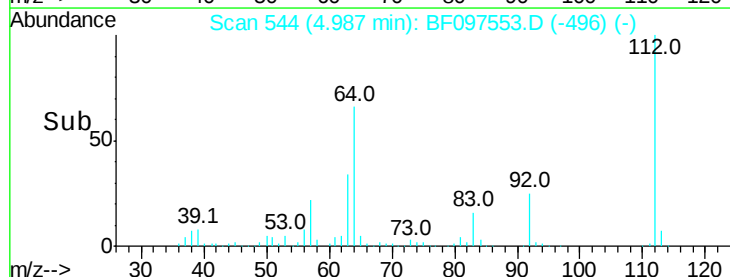
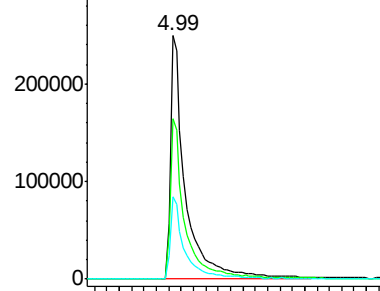
#5

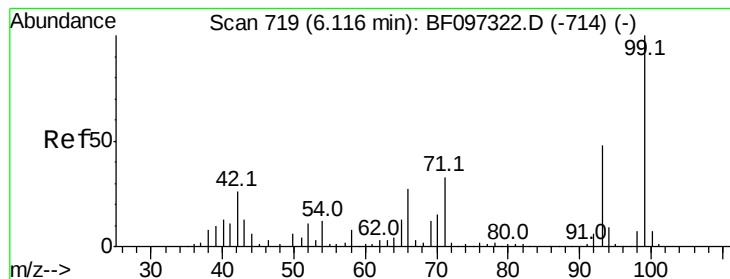
2-Fluorophenol
Concen: 66.215 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097553.D
Acq: 10 Aug 2017 10:43

Tgt Ion:112 Resp: 427781
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 33.9 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: 46.468 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

Instrument :

BNA_F

ClientSampleId :

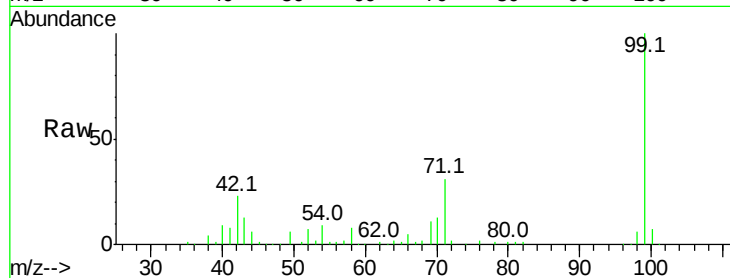
Tot Ion: 99 Resp: 342722

Ion Ratio Lower Upper

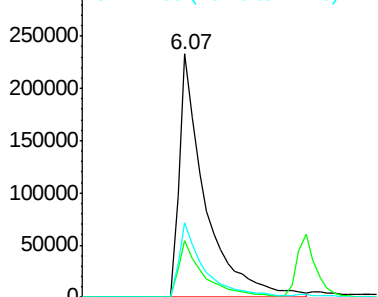
99 100

42 23.4 13.5 20.3#

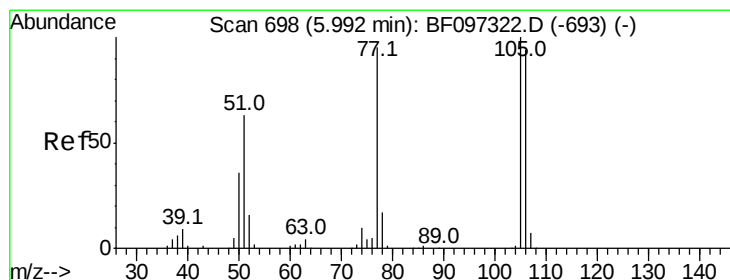
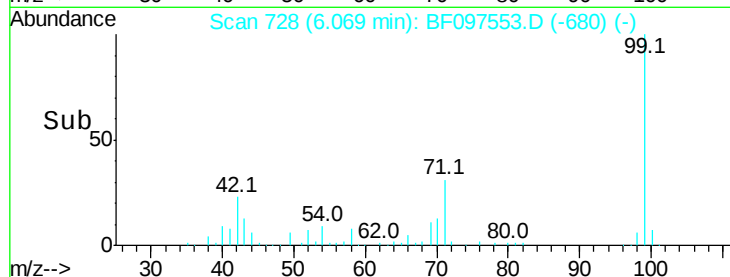
71 30.6 24.5 36.7



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



Time-->



#9

Benzaldehyde

Concen: 3.447 ng

RT: 6.17 min Scan# 745

Delta R.T. 0.21 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

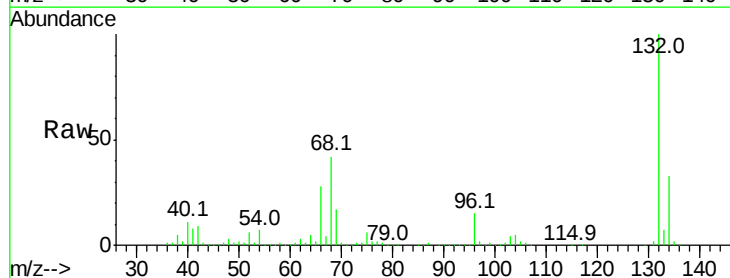
Tgt Ion: 77 Resp: 15046

Ion Ratio Lower Upper

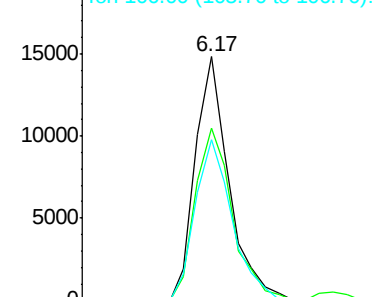
77 100

105 70.8 83.8 123.8#

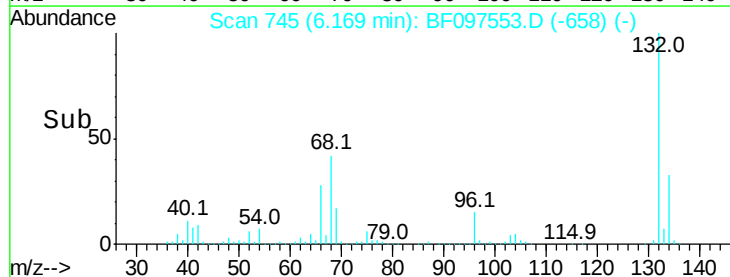
106 66.0 79.1 119.1#

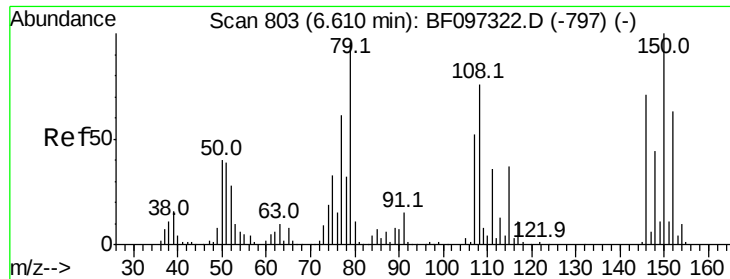


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E



Time-->





#15

Benzyl Alcohol

Concen: 2.149 ng

RT: 6.55 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

Instrument :
BNA_F
ClientSampleId :

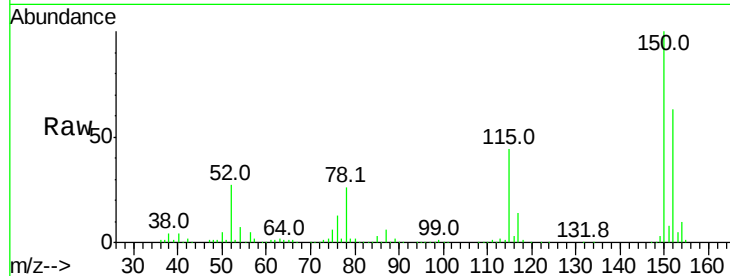
Tot Ion: 79 Resp: 10035

Ion Ratio Lower Upper

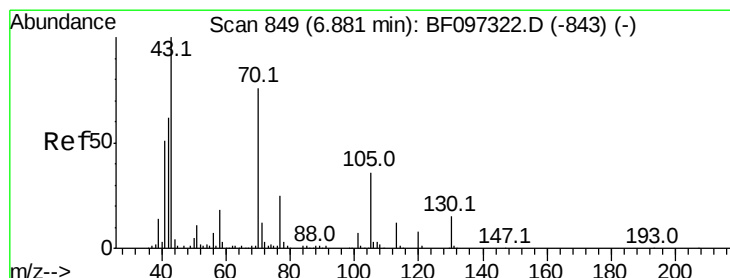
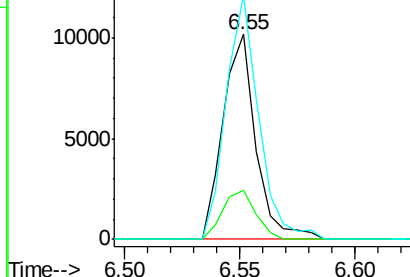
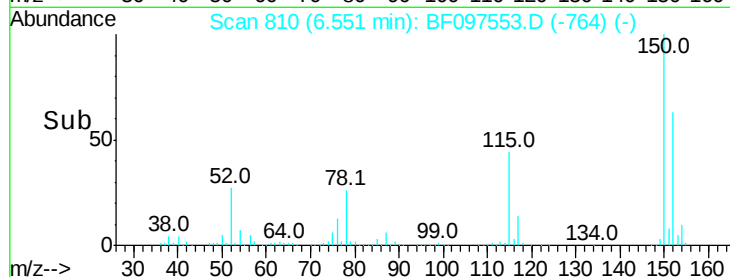
79 100

108 23.9 63.4 95.0#

77 118.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.681 ng

RT: 6.97 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

Tgt Ion: 70 Resp: 85838

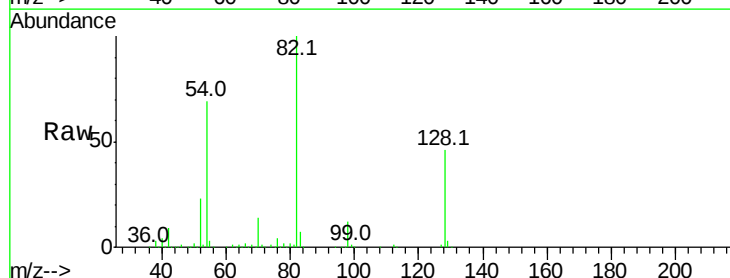
Ion Ratio Lower Upper

70 100

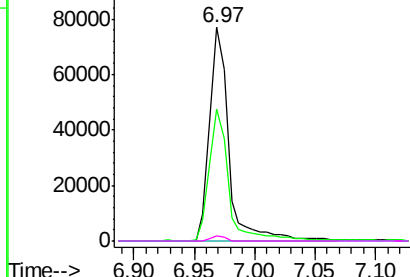
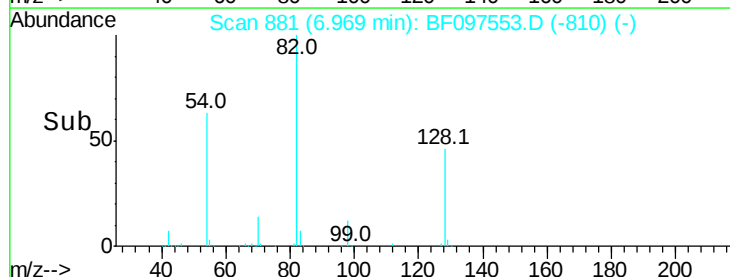
42 62.0 47.2 70.8

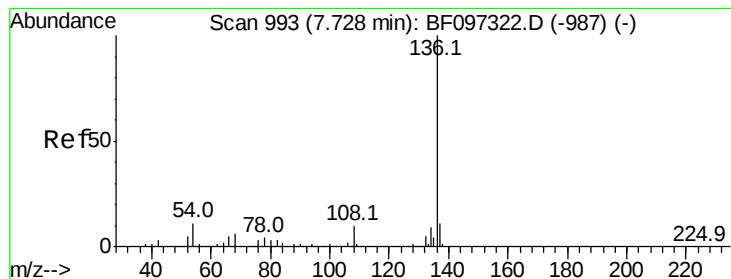
101 0.0 7.2 10.8#

130 2.2 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: 20.000 ng

RT: 7.68 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 381116

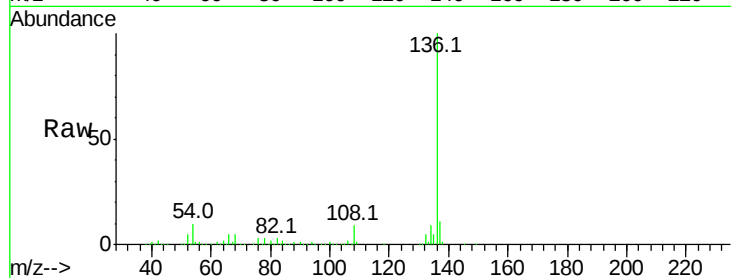
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.1 4.9 7.3#

68 4.9 4.1 6.1

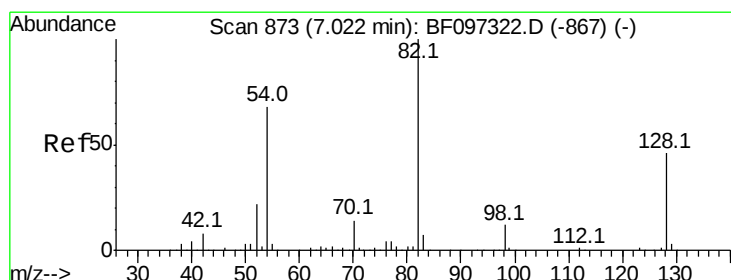
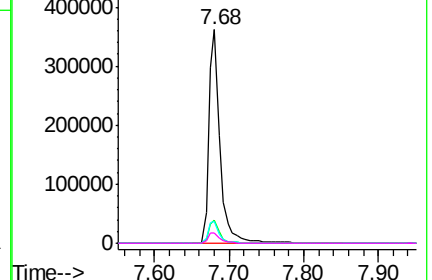
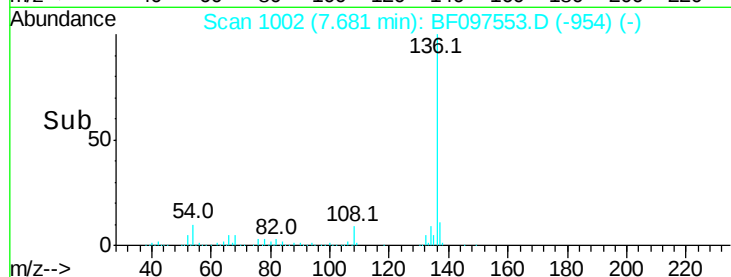


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.407 ng

RT: 6.97 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

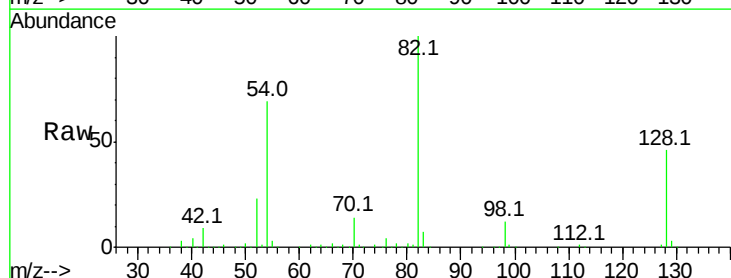
Tgt Ion: 82 Resp: 632814

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

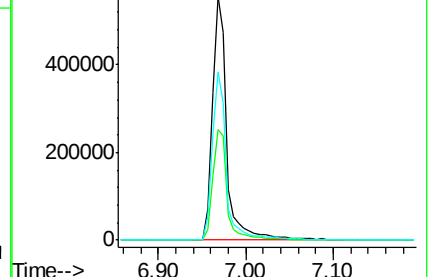
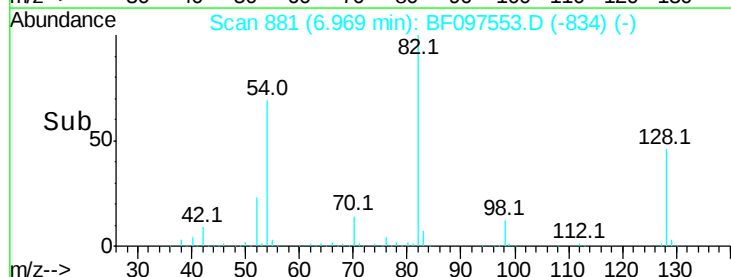
54 69.1 42.2 63.2#

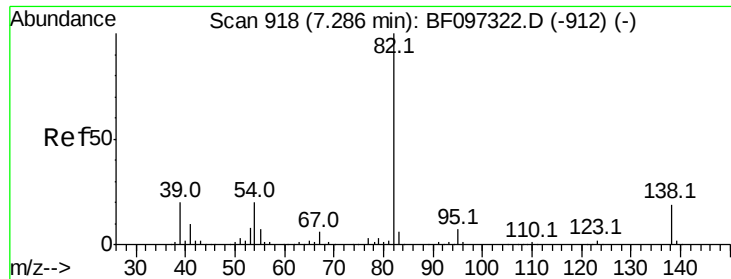


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

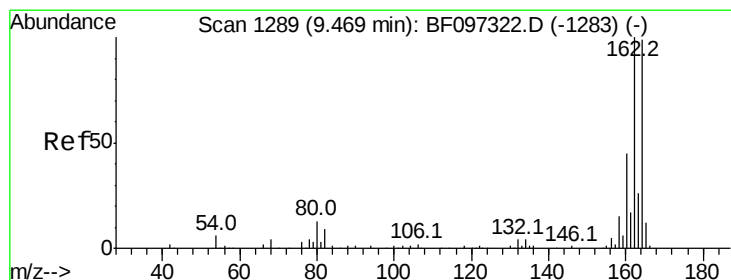
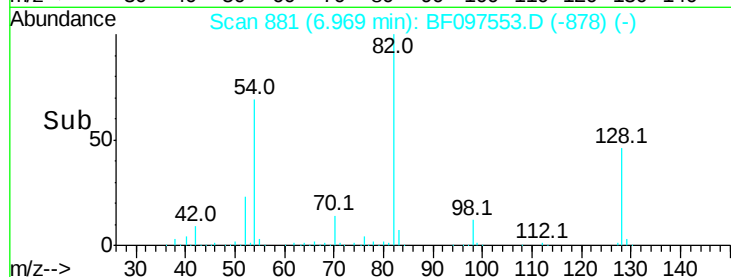
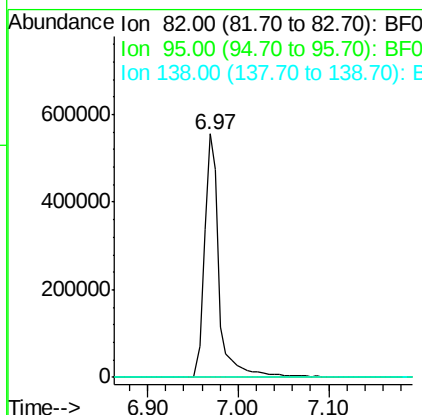
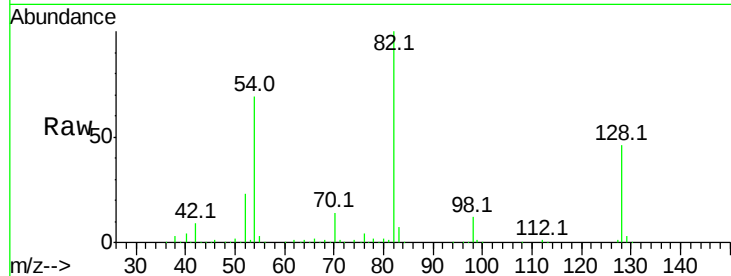




#25
Isophorone
Concen: 49.738 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF097553.D
Acq: 10 Aug 2017 10:43

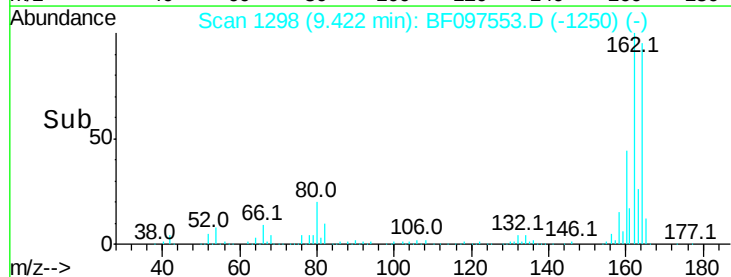
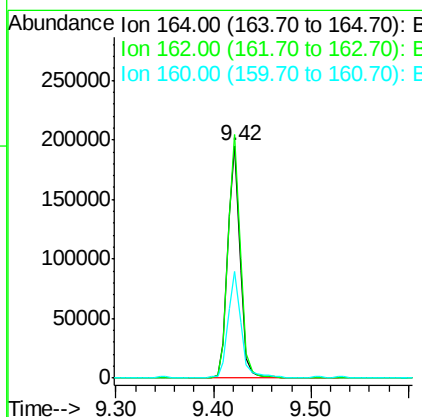
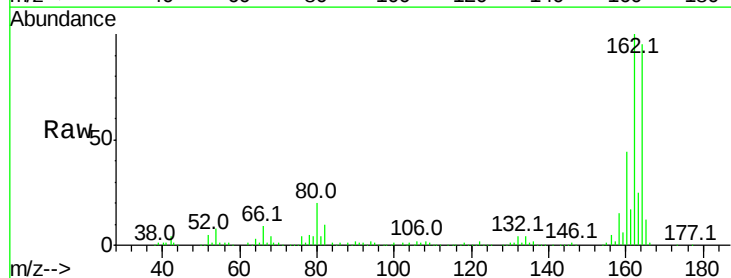
Instrument :
BNA_F
ClientSampleId :

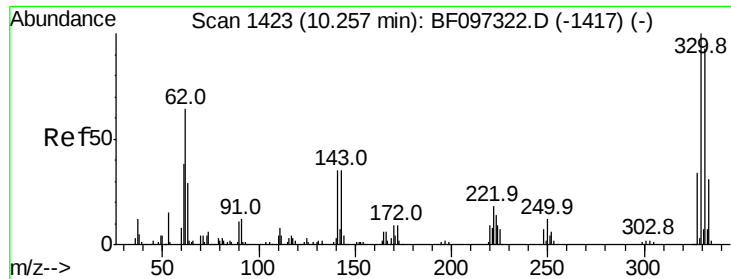
Tot Ion: 82 Resp: 632807
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.42 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF097553.D
Acq: 10 Aug 2017 10:43

Tgt Ion:164 Resp: 172208
Ion Ratio Lower Upper
164 100
162 104.9 82.6 123.8
160 46.0 36.2 54.2

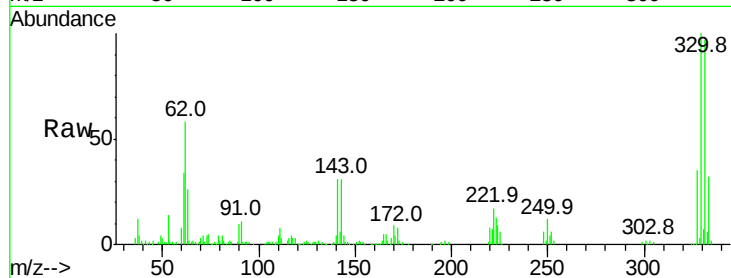




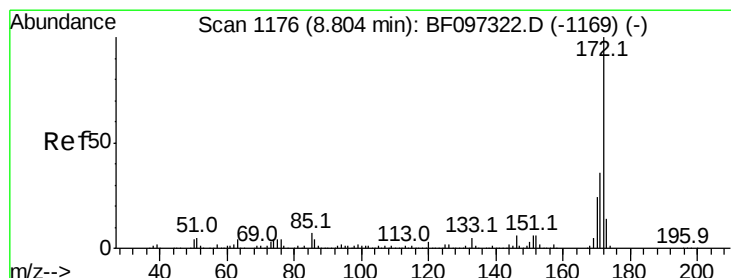
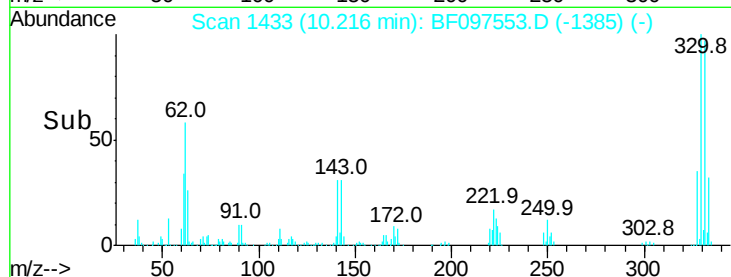
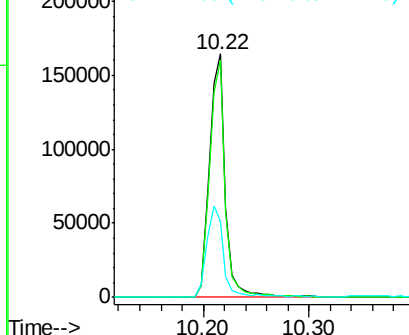
#41
 2,4,6-Tribromophenol
 Concen: 127.659 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF097553.D
 Acq: 10 Aug 2017 10:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 173694
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 38.7 31.4 47.2

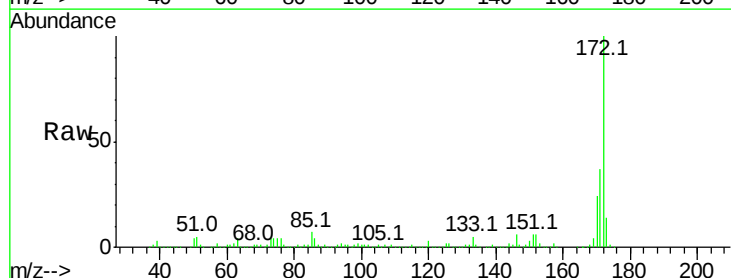


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

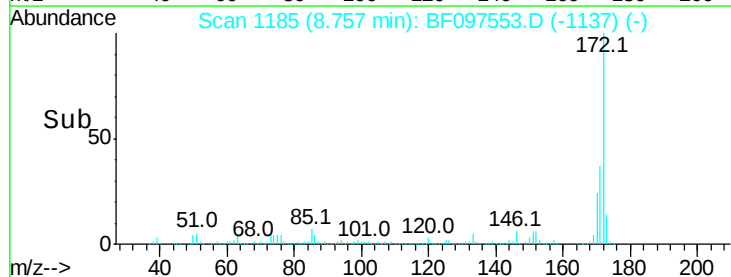
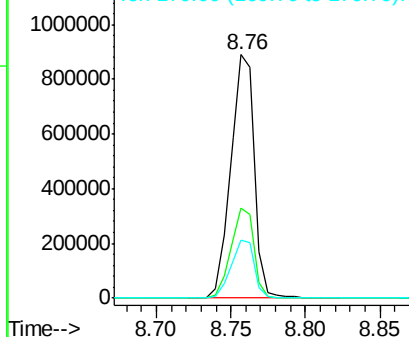


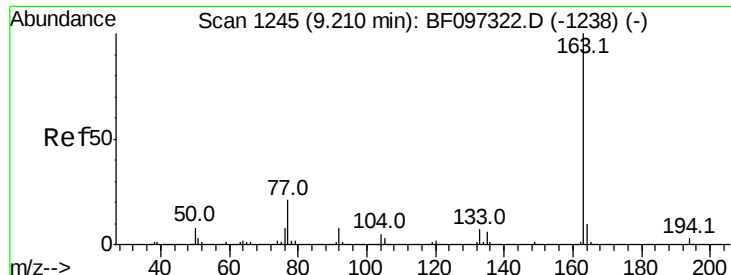
#44
 2-Fluorobiphenyl
 Concen: 97.891 ng
 RT: 8.76 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF097553.D
 Acq: 10 Aug 2017 10:43

Tgt Ion:172 Resp: 993316
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 24.0 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

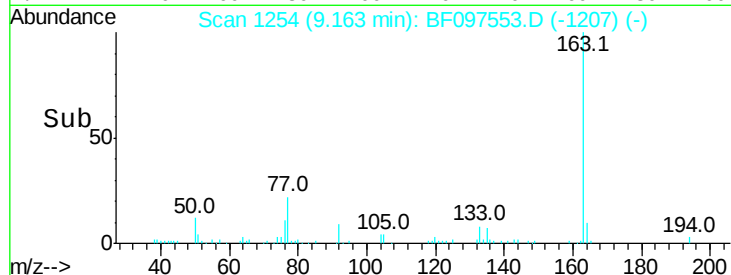
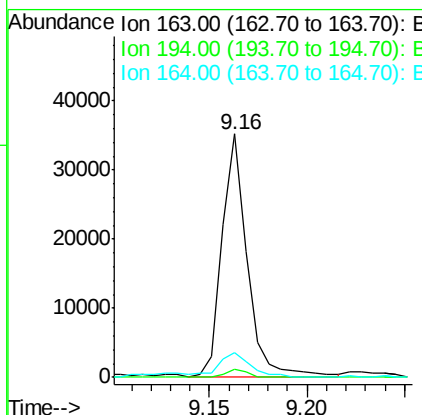
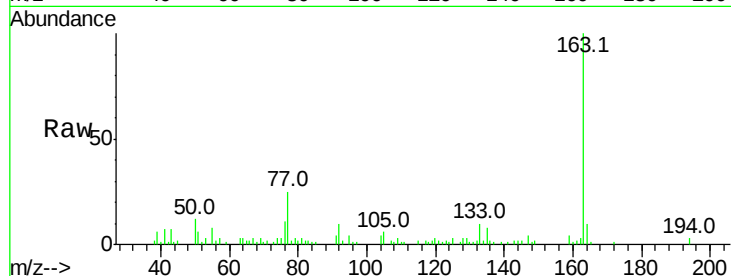




#49
Dimethylphthalate
Concen: 2.451 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097553.D
Acq: 10 Aug 2017 10:43

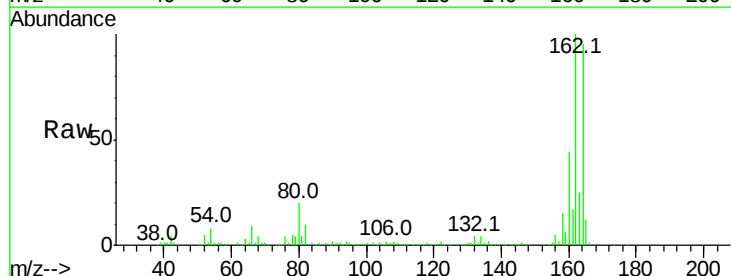
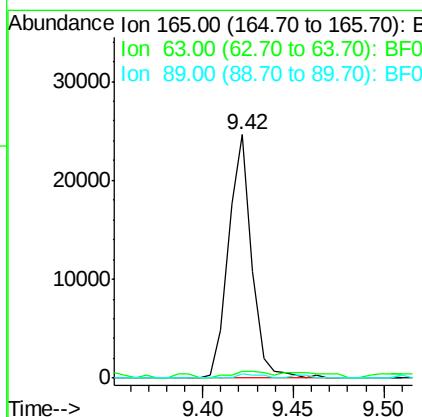
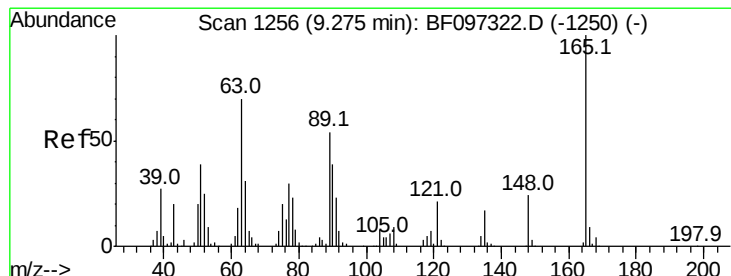
Instrument :
BNA_F
ClientSampled :

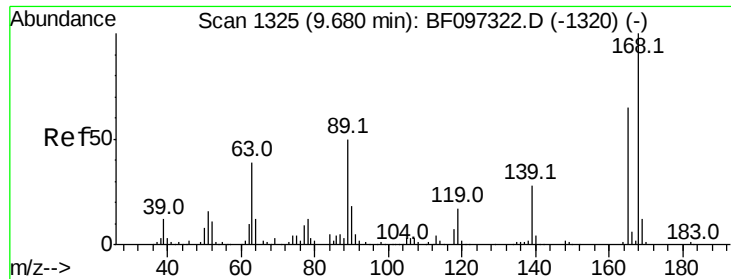
Tot Ion:163 Resp: 32050
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.4 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 7.892 ng
RT: 9.42 min Scan# 1298
Delta R.T. 0.17 min
Lab File: BF097553.D
Acq: 10 Aug 2017 10:43

Tgt Ion:165 Resp: 21888
Ion Ratio Lower Upper
165 100
63 2.8 34.3 51.5#
89 1.9 37.1 55.7#

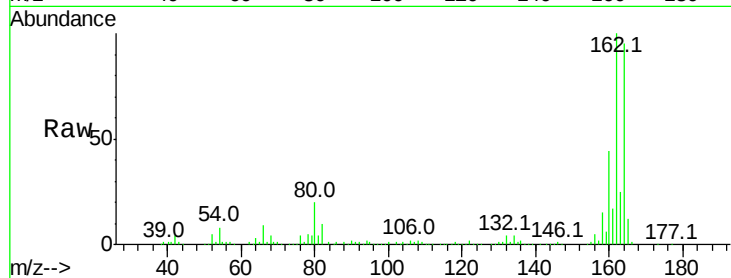




#56
 2,4-Dinitrotoluene
 Concen: 6.865 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.24 min
 Lab File: BF097553.D
 Acq: 10 Aug 2017 10:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.8	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#

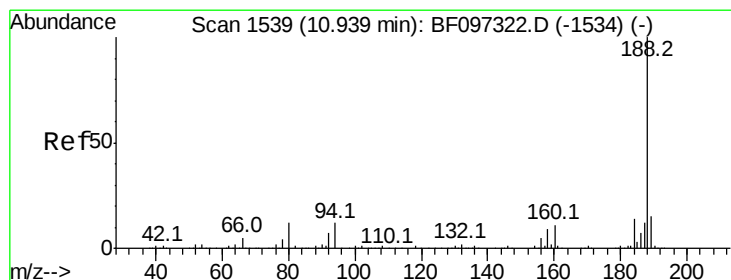
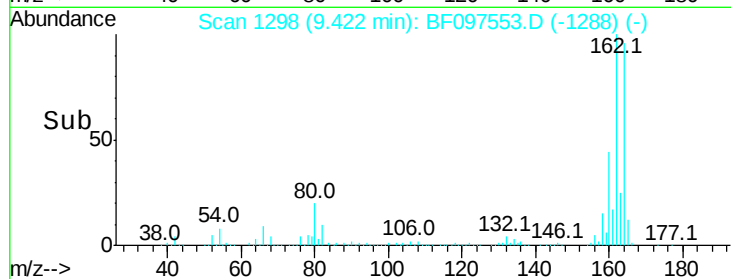
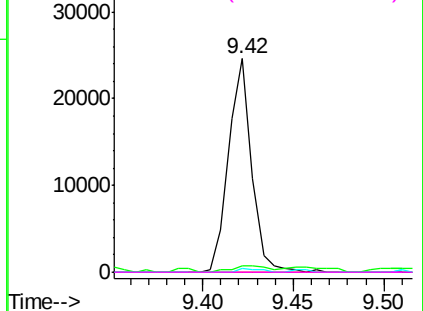


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

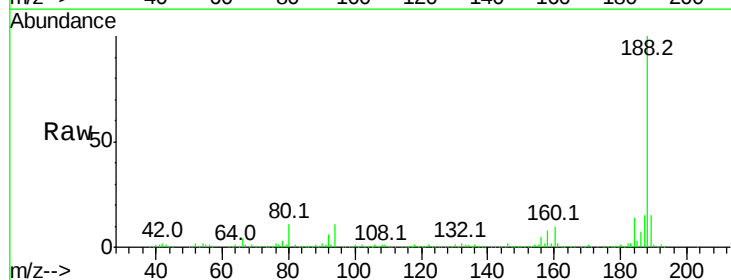
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097553.D
 Acq: 10 Aug 2017 10:43

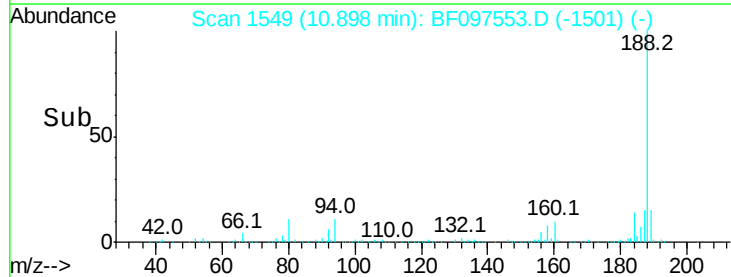
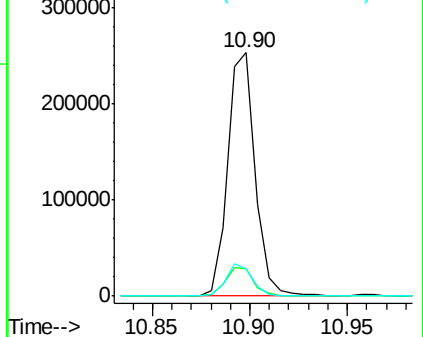
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	11.2	10.2	15.2

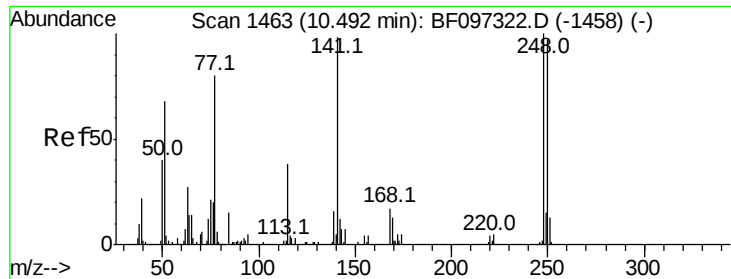


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

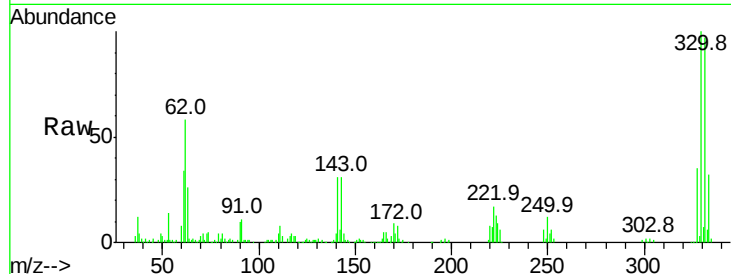




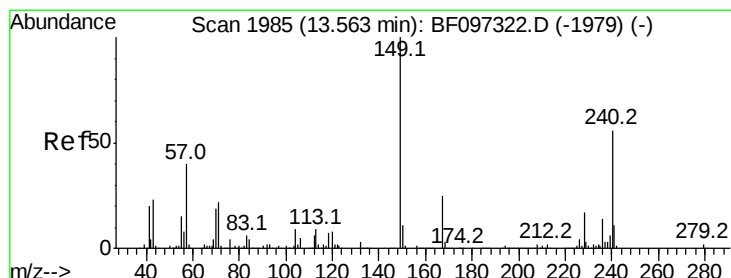
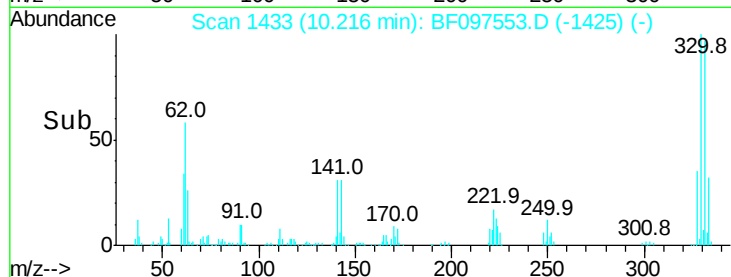
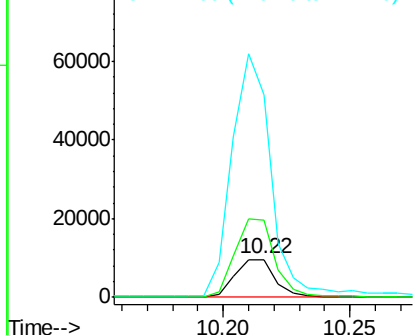
#66
 4-Bromophenyl-phenylether
 Concen: 4.331 ng
 RT: 10.22 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF097553.D
 Acq: 10 Aug 2017 10:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 10639
 Ion Ratio Lower Upper
 248 100
 250 203.3 76.8 115.2#
 141 537.2 68.6 103.0#

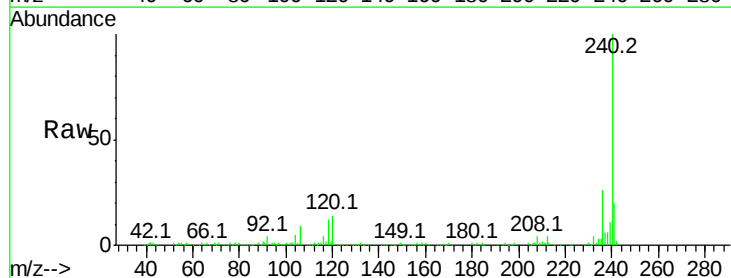


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

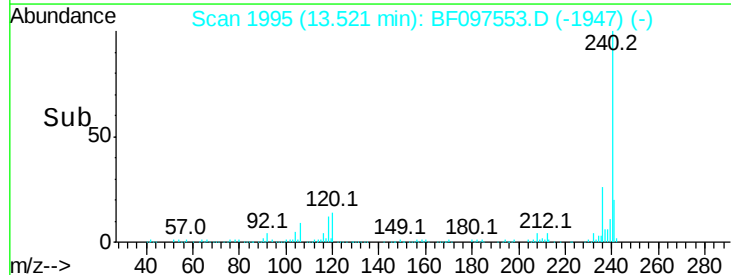
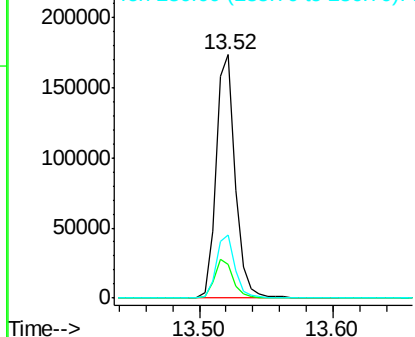


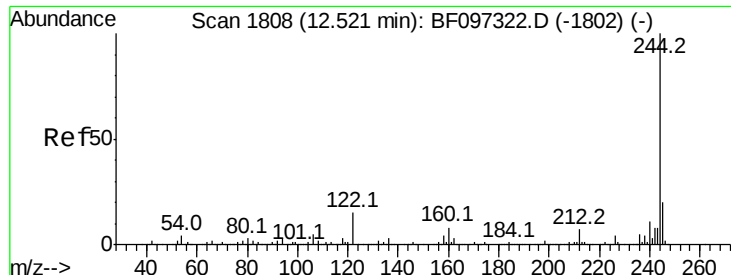
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.02 min
 Lab File: BF097553.D
 Acq: 10 Aug 2017 10:43

Tgt Ion:240 Resp: 176044
 Ion Ratio Lower Upper
 240 100
 120 13.9 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: 66.769 ng

RT: 12.48 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

Instrument :

BNA_F

ClientSampleId :

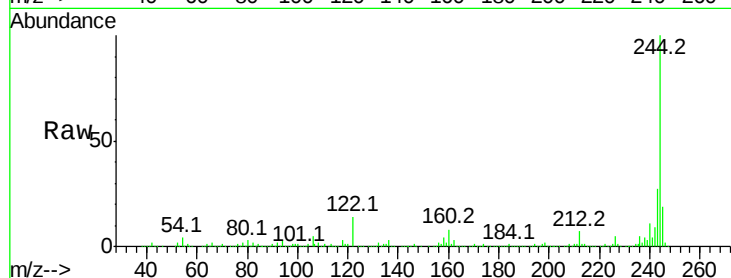
Tot Ion:244 Resp: 576514

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

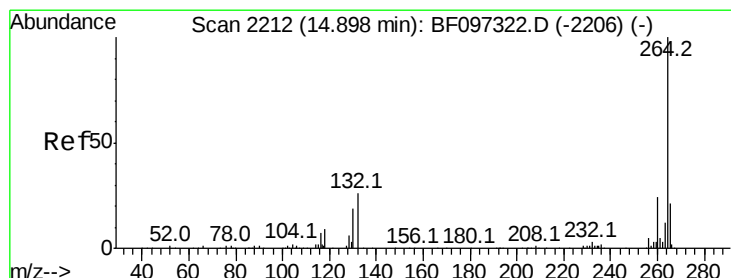
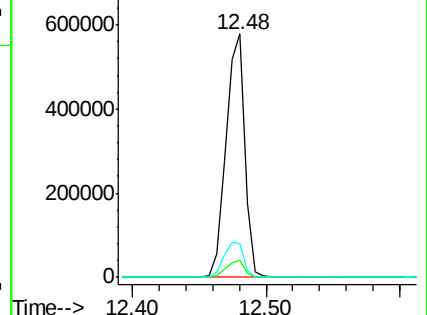
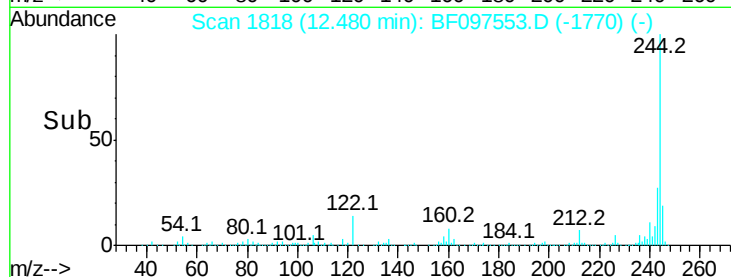
122 13.8 10.3 15.5



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: 20.000 ng

RT: 14.86 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BF097553.D

Acq: 10 Aug 2017 10:43

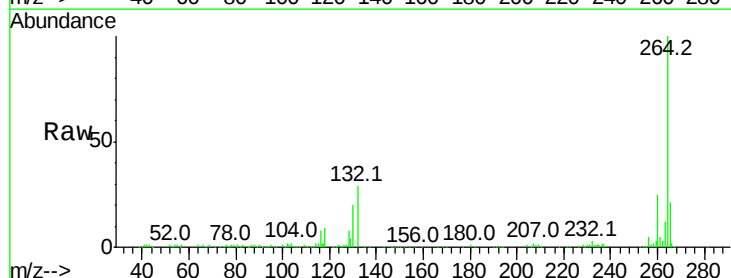
Tgt Ion:264 Resp: 154801

Ion Ratio Lower Upper

264 100

260 24.8 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

