

Data Path : U:\HPCHEM1\BNA F\DATA\BF082317\
 Data File : BF097999.D
 Acq On : 23 Aug 2017 15:43
 Operator : SJ/JU
 Sample : I4820-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 17:50:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

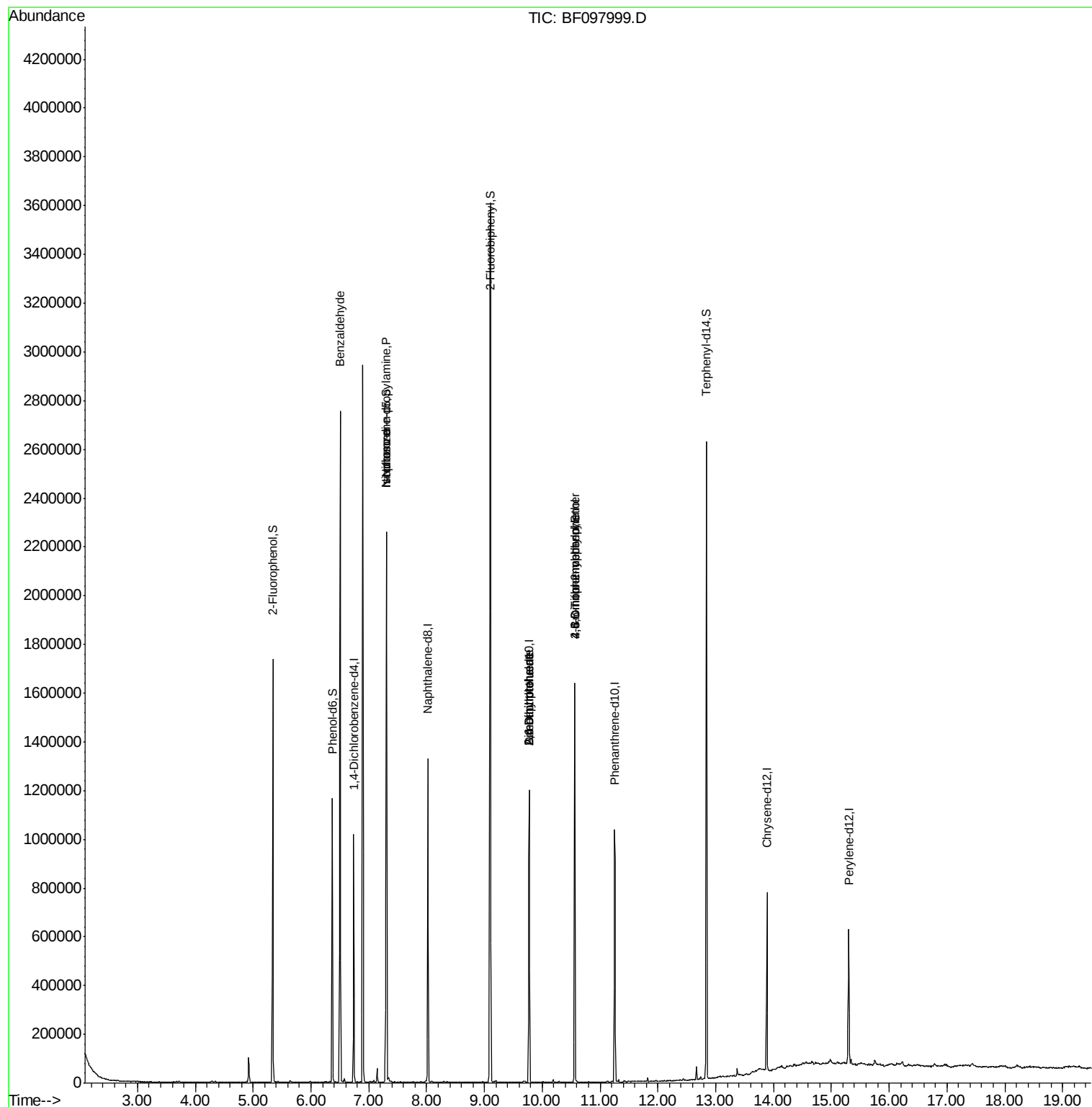
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	131870	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	502479	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	209447	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	358363	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	257098	20.00	ng	-0.01
86) Perylene-d12	15.30	264	238656	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	451071	52.03	ng	-0.01
7) Phenol-d6	6.37	99	369977	31.41	ng	-0.02
23) Nitrobenzene-d5	7.30	82	907594	98.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	185622	102.14	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1233489	86.53	ng	0.00
78) Terphenyl-d14	12.84	244	823050	66.76	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.51	77	21852	2.929	ng	# 68
19) n-Nitroso-di-n-propylamine	7.30	70	122007	15.130	ng	# 73
25) Isophorone	7.30	82	896911	46.634	ng	# 67
49) Dimethylphthalate	9.77	163	59770	3.904	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	27238	8.913	ng	# 34
56) 2,4-Dinitrotoluene	9.77	165	27238	7.102	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	379	8.506	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12352	3.319	ng	# 1

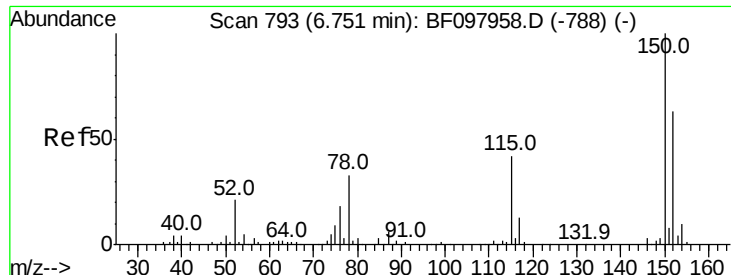
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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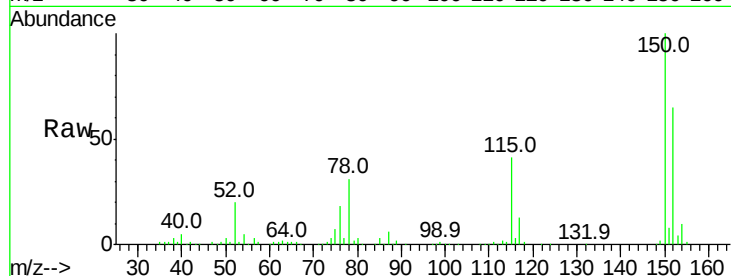


#1

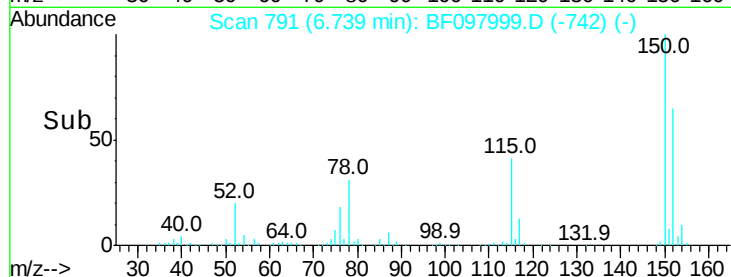
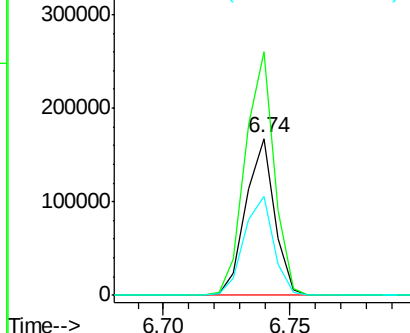
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF097999.D
Acq: 23 Aug 2017 15:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131870
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 63.2 52.2 78.2



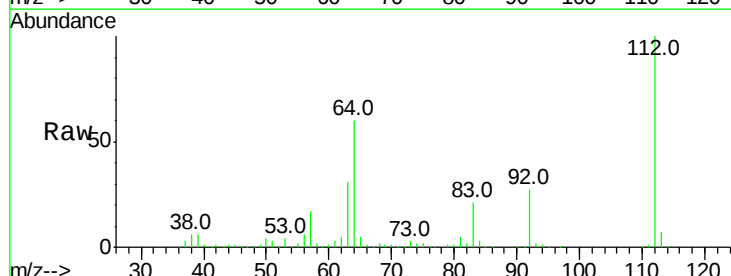
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



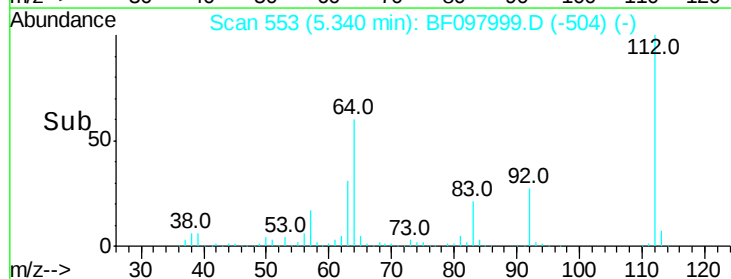
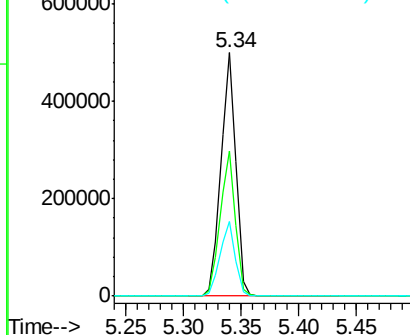
#5

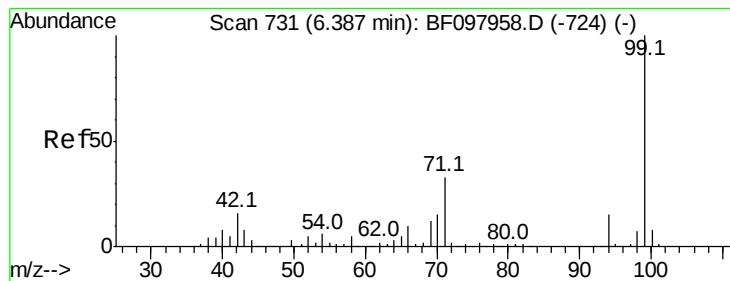
2-Fluorophenol
Concen: 52.029 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF097999.D
Acq: 23 Aug 2017 15:43

Tgt Ion:112 Resp: 451071
Ion Ratio Lower Upper
112 100
64 59.7 46.0 69.0
63 30.8 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: 31.409 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

Instrument :

BNA_F

ClientSampleId :

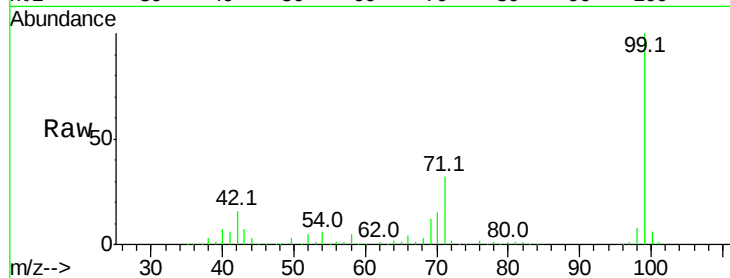
Tot Ion: 99 Resp: 369977

Ion Ratio Lower Upper

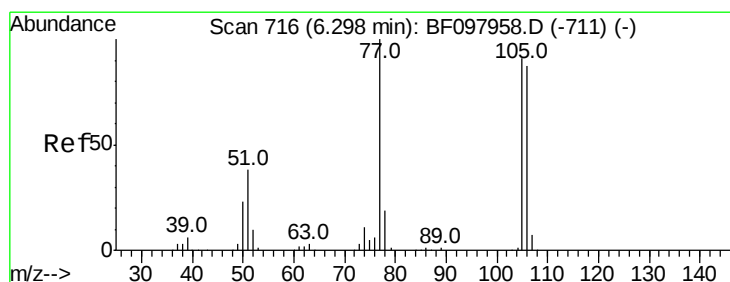
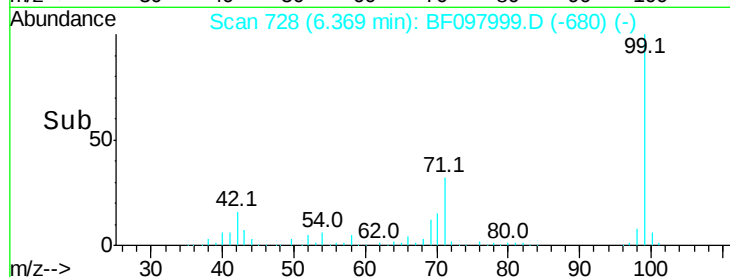
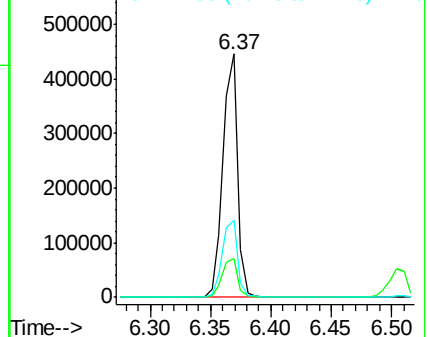
99 100

42 15.8 13.5 20.3

71 31.7 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: 2.929 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.21 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

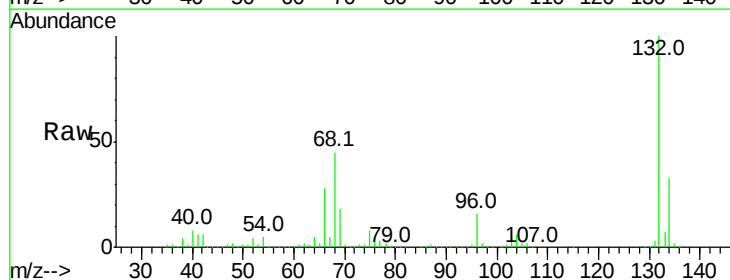
Tgt Ion: 77 Resp: 21852

Ion Ratio Lower Upper

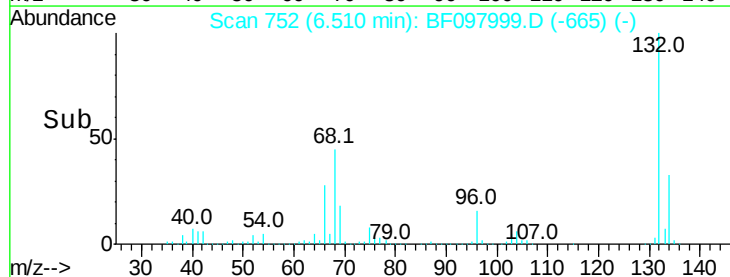
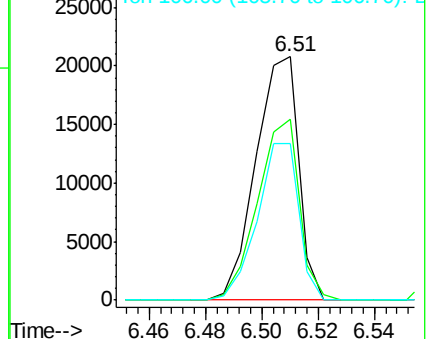
77 100

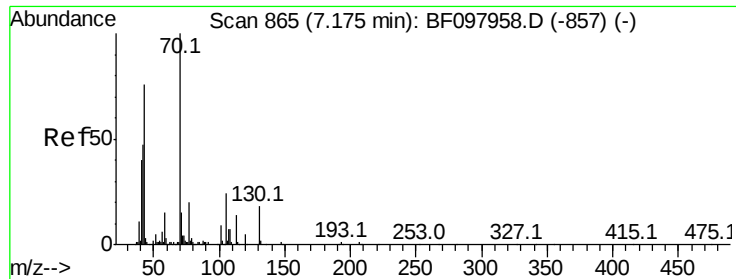
105 74.4 83.8 123.8#

106 64.1 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





#19

n-Nitroso-di-n-propylamine

Concen: 15.130 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 122007

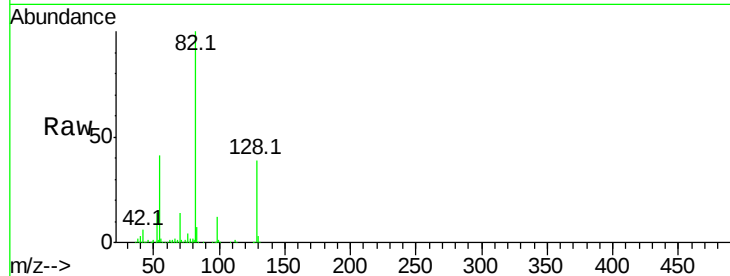
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

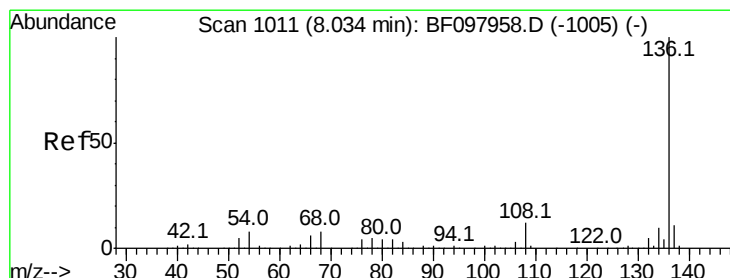
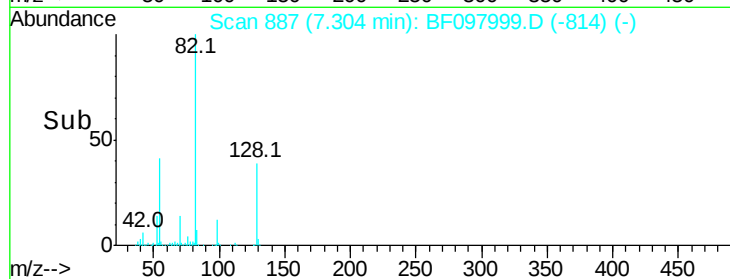
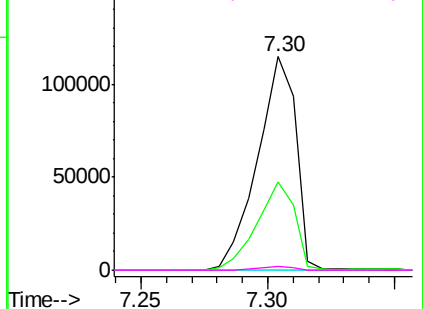


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

Tgt Ion: 136 Resp: 502479

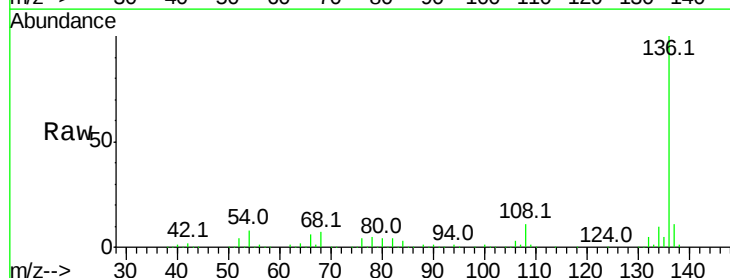
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.7 4.9 7.3#

68 7.3 4.1 6.1#

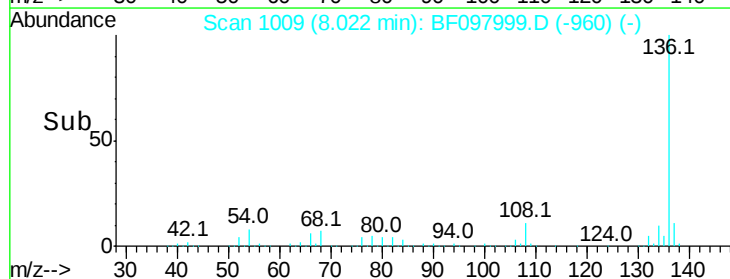
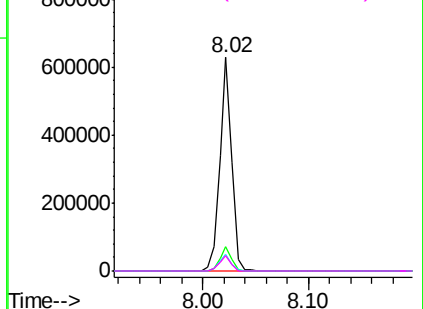


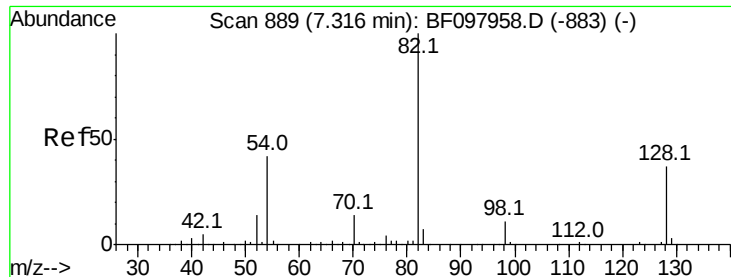
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

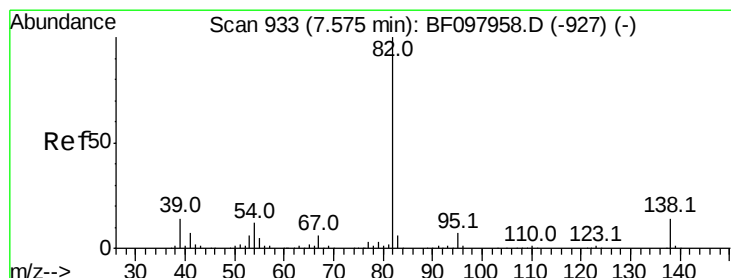
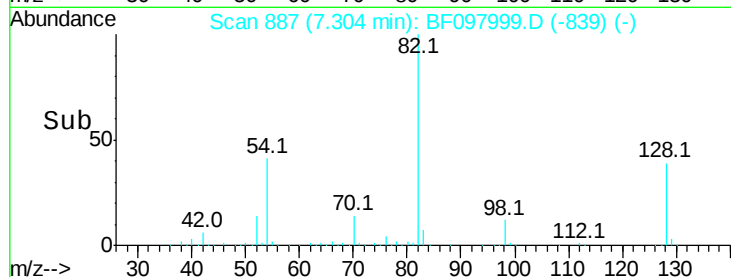
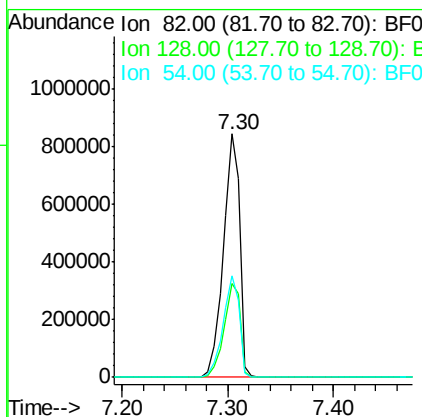
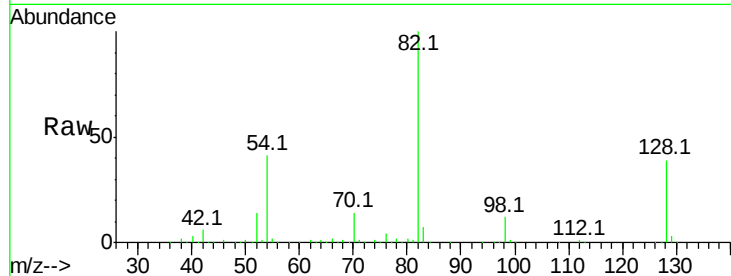




#23
 Nitrobenzene-d5
 Concen: 98.123 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

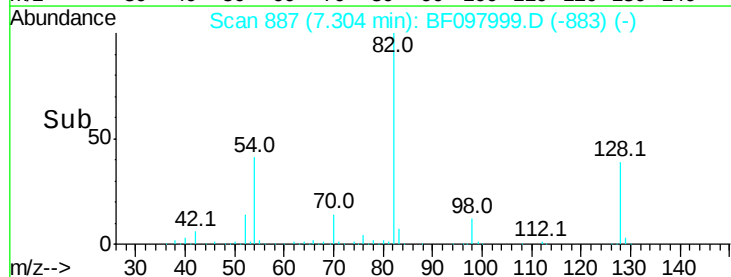
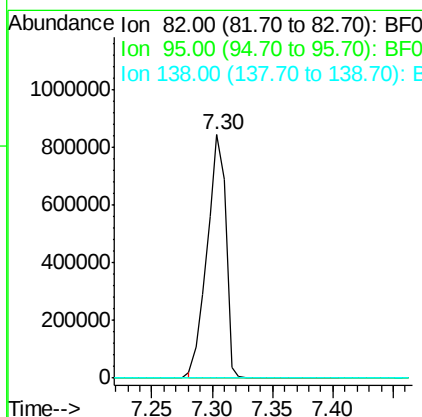
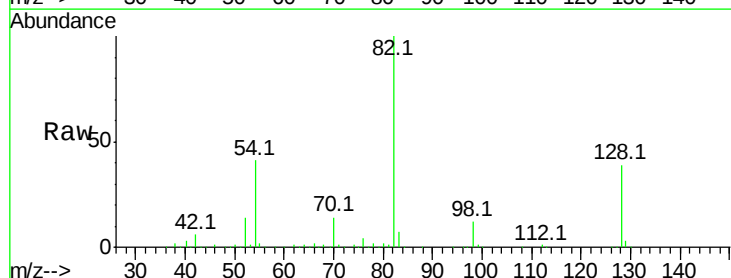
Instrument :
 BNA_F
 ClientSampleId :

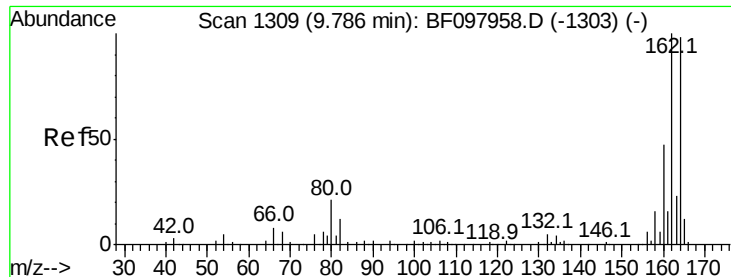
Tot Ion: 82 Resp: 907594
 Ion Ratio Lower Upper
 82 100
 128 38.7 34.0 51.0
 54 41.5 42.2 63.2#



#25
 Isophorone
 Concen: 46.634 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

Tgt Ion: 82 Resp: 896911
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

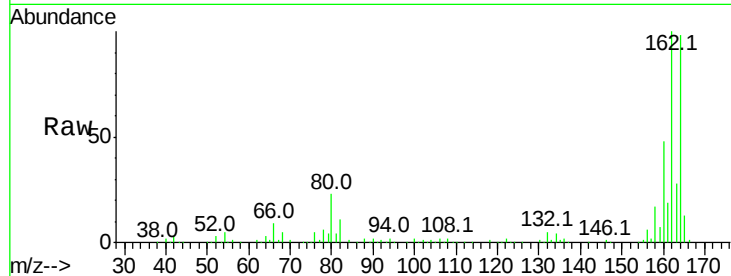




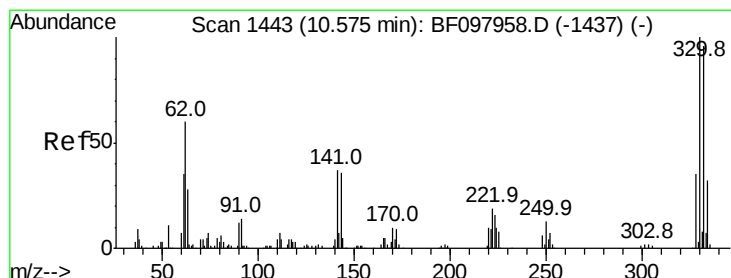
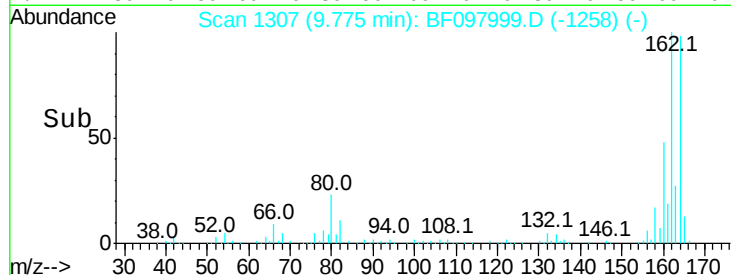
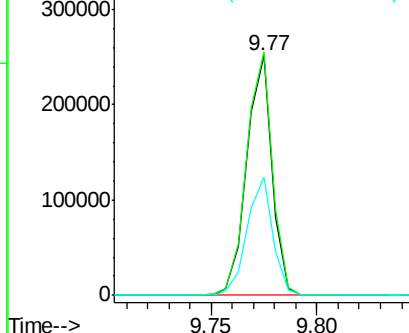
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	49.2	36.2	54.2

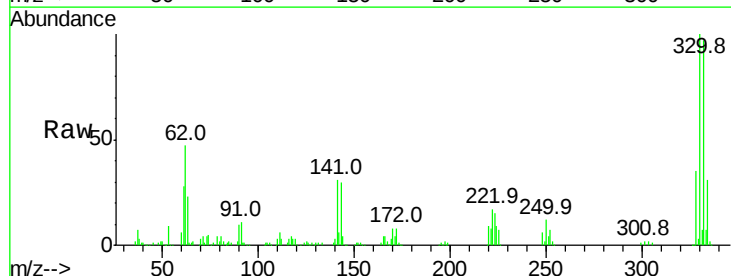


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

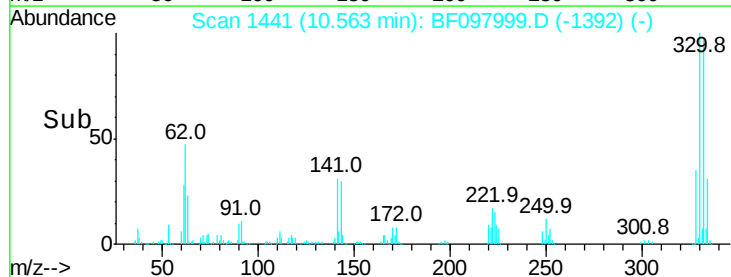
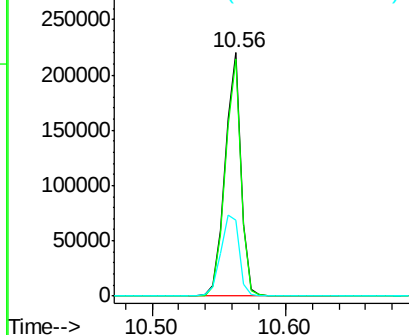


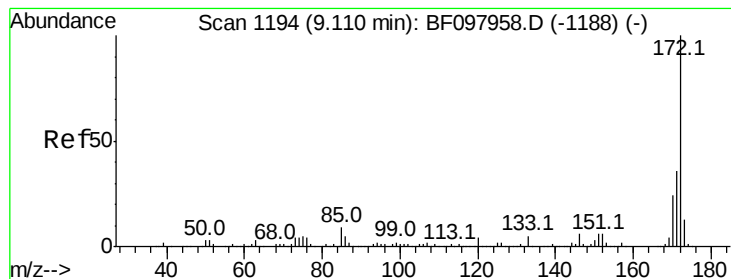
#41
 2,4,6-Tribromophenol
 Concen: 102.142 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	38.5	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: 86.525 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

Instrument :

BNA_F

ClientSampleId :

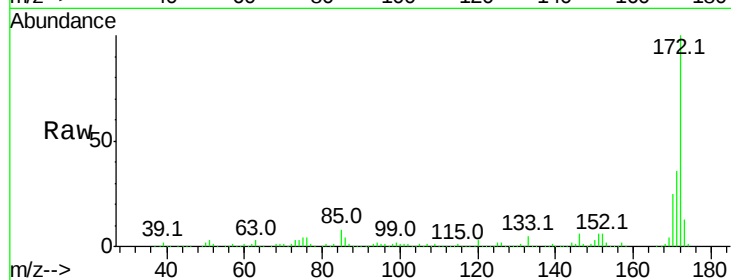
Tot Ion:172 Resp: 1233489

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

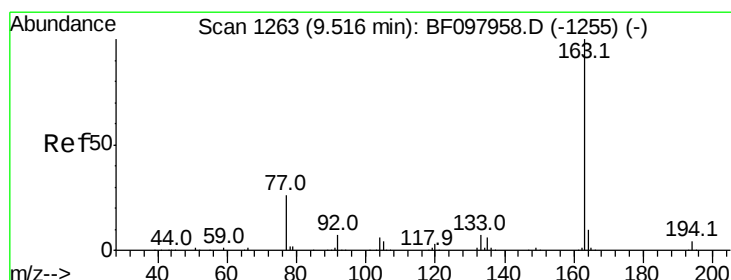
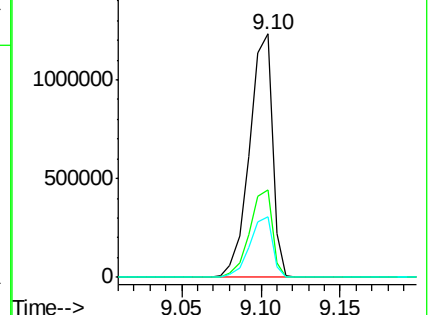
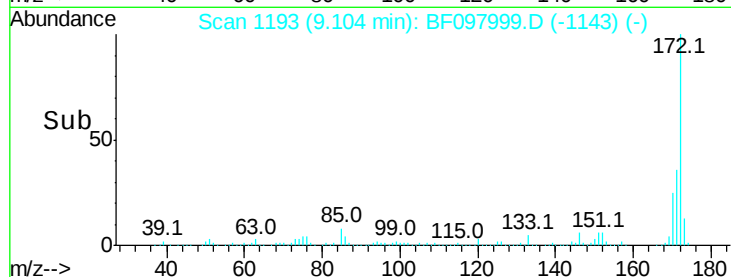
170 24.8 19.8 29.8



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: 3.904 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.26 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

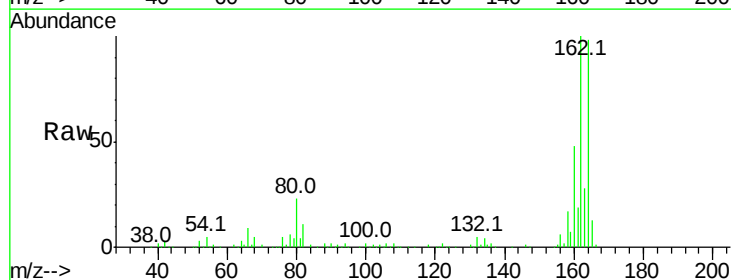
Tgt Ion:163 Resp: 59770

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

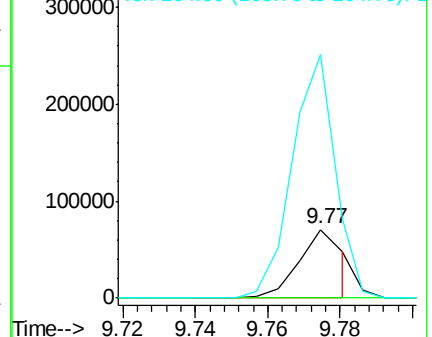
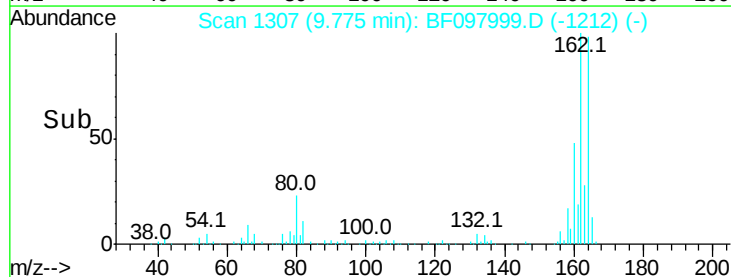
164 353.9 8.4 12.6#

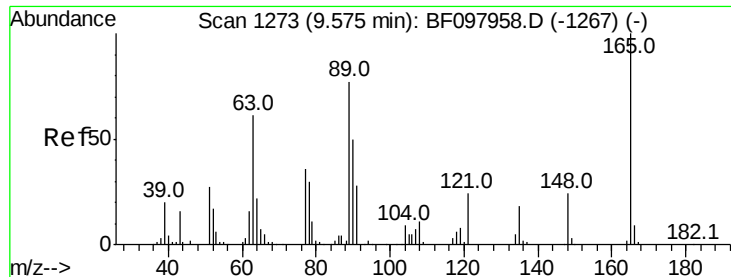


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

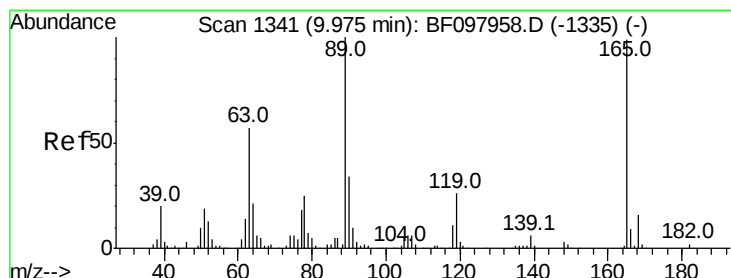
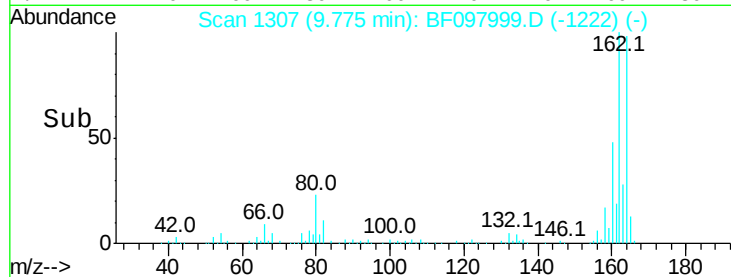
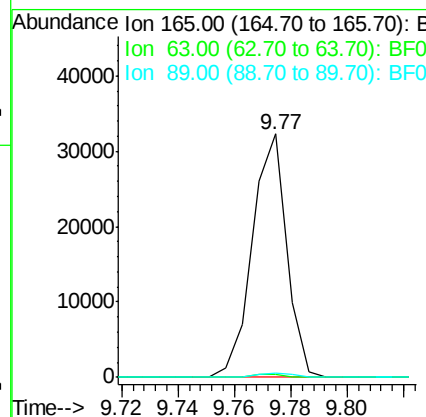
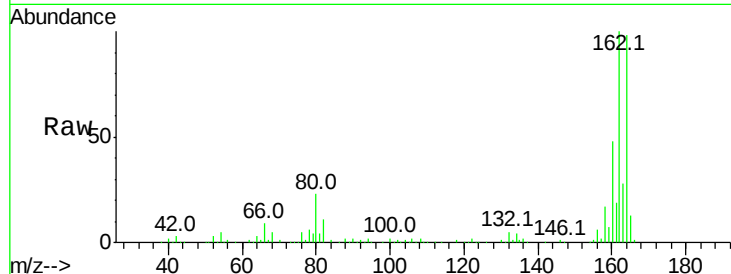




#50
 2,6-Dinitrotoluene
 Concen: 8.913 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.20 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

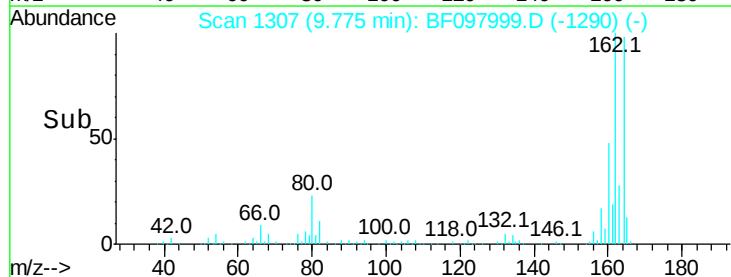
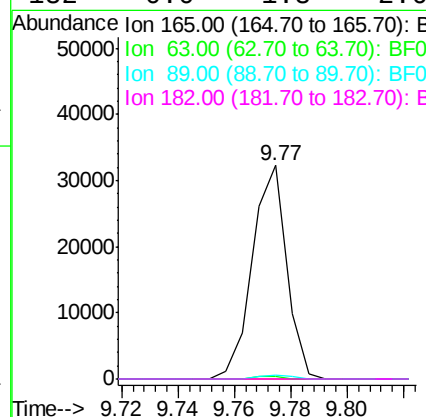
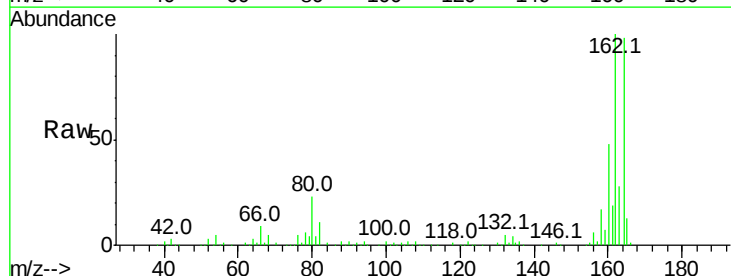
Instrument :
 BNA_F
 ClientSampleId :

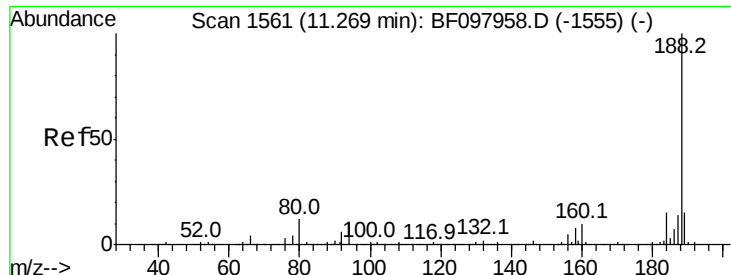
Tot Ion:165	Resp:	27238
Ion Ratio	Lower	Upper
165 100		
63 1.4	34.3	51.5#
89 1.8	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.102 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

Tgt Ion:165	Resp:	27238
Ion Ratio	Lower	Upper
165 100		
63 1.4	25.4	38.0#
89 1.8	46.4	69.6#
182 0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

Instrument :

BNA_F

ClientSampleId :

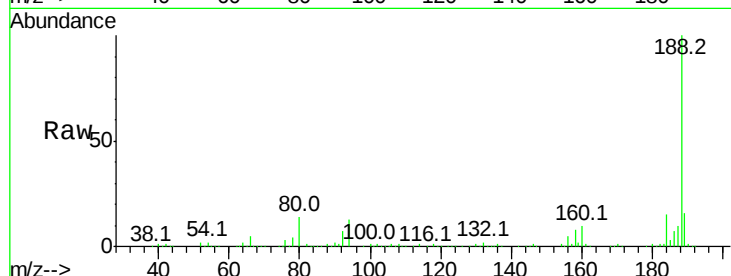
Tot Ion:188 Resp: 358363

Ion Ratio Lower Upper

188 100

94 12.7 9.4 14.2

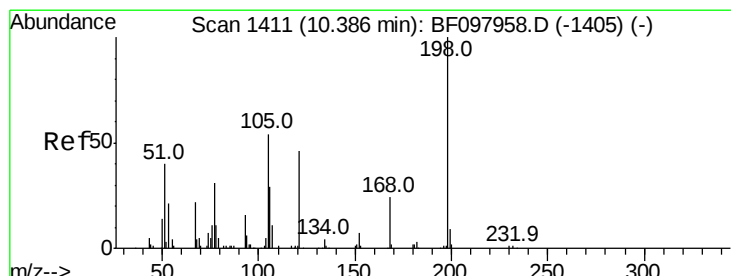
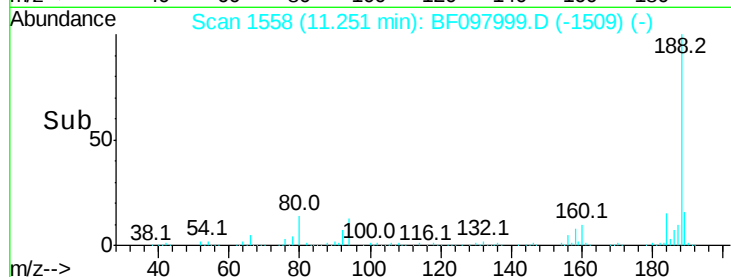
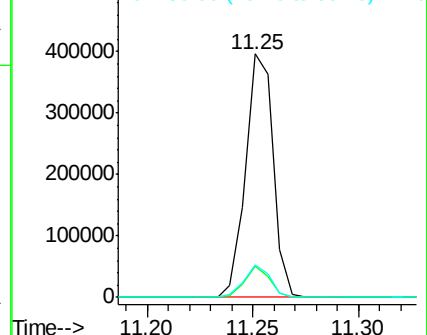
80 13.5 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.506 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF097999.D

Acq: 23 Aug 2017 15:43

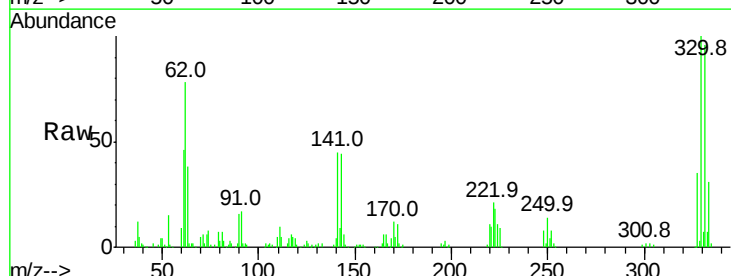
Tgt Ion:198 Resp: 379

Ion Ratio Lower Upper

198 100

51 126.2 53.2 93.2#

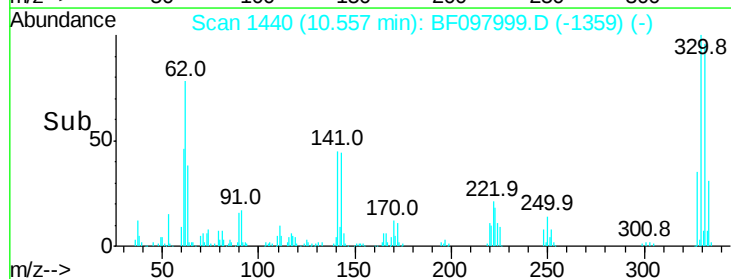
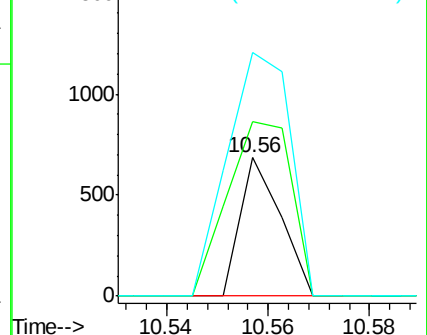
105 175.8 45.8 85.8#

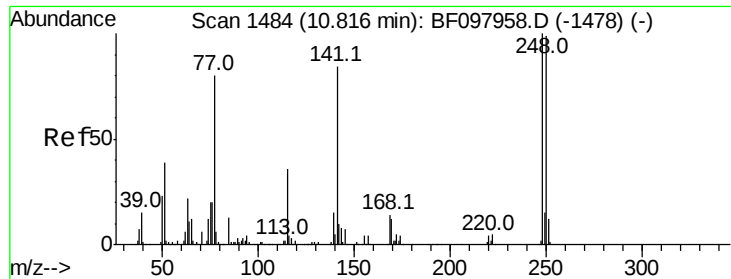


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

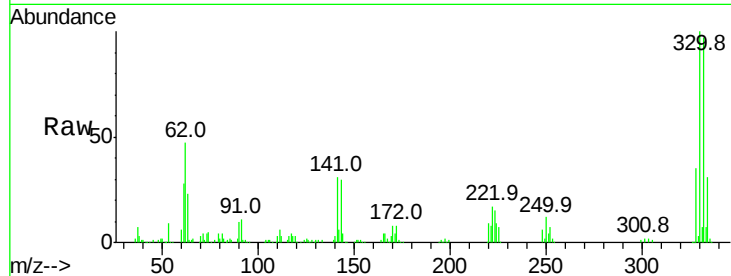




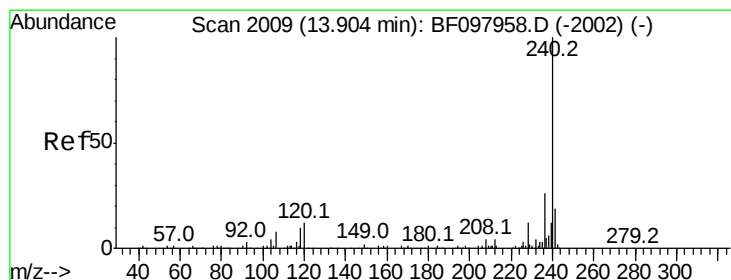
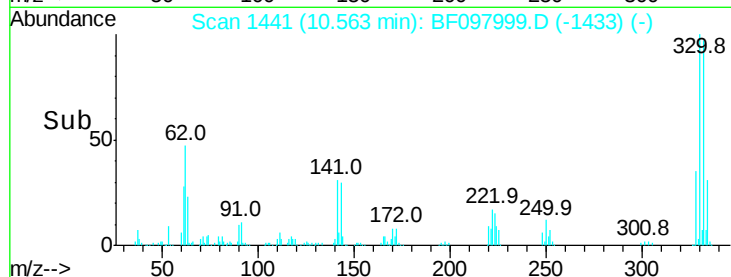
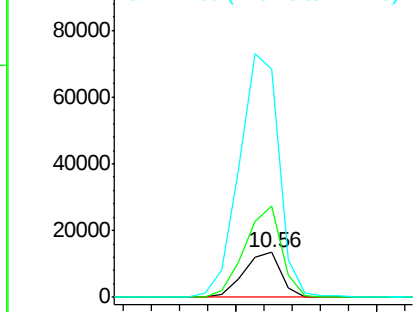
#66
4-Bromophenyl-phenylether
Concen: 3.319 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF097999.D
Acq: 23 Aug 2017 15:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12352
Ion Ratio Lower Upper
248 100
250 201.9 76.8 115.2#
141 507.4 68.6 103.0#

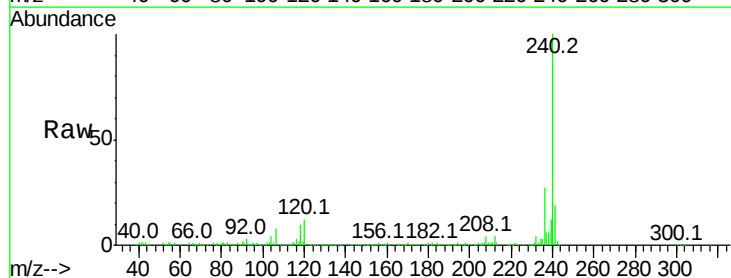


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

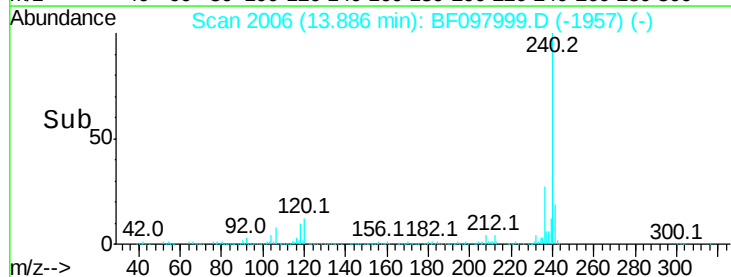
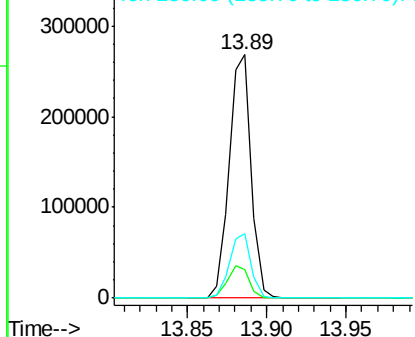


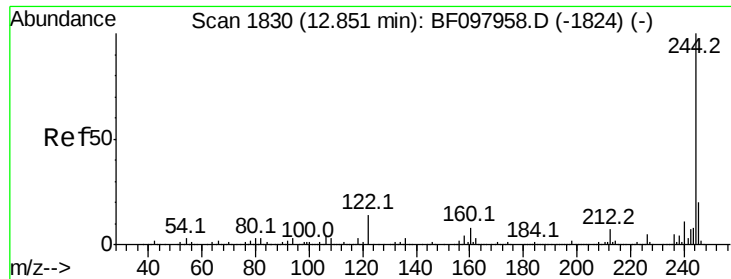
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF097999.D
Acq: 23 Aug 2017 15:43

Tgt Ion:240 Resp: 257098
Ion Ratio Lower Upper
240 100
120 11.5 5.8 8.8#
236 26.5 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

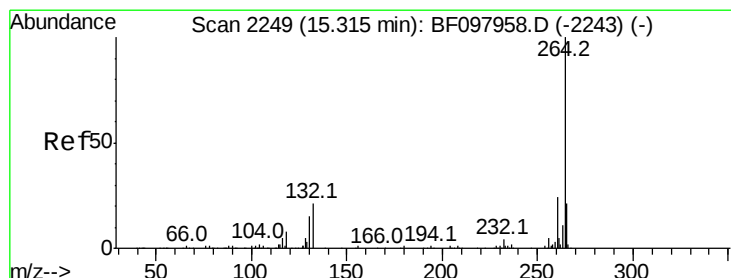
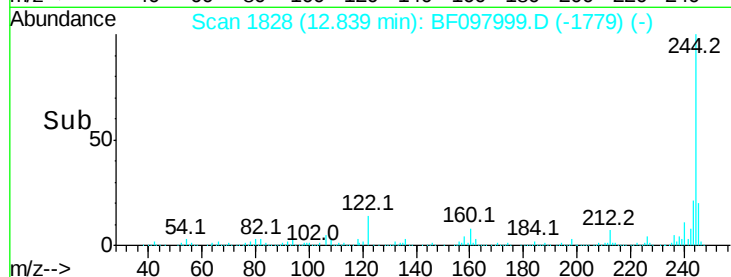
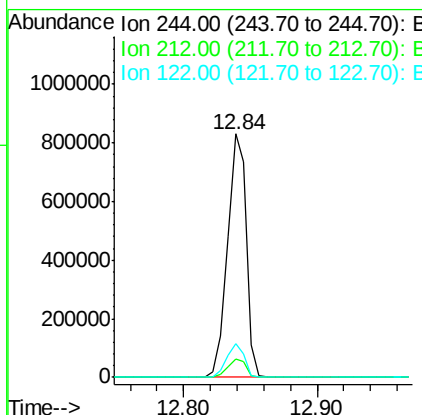
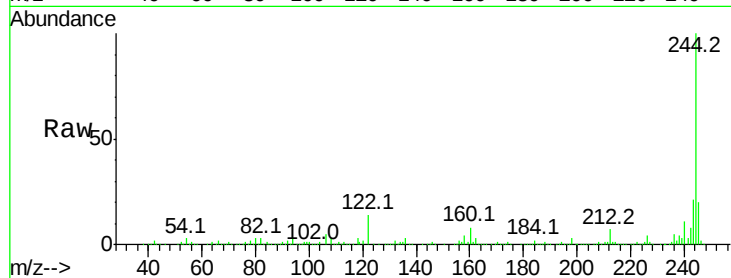




#78
 Terphenyl-d14
 Concen: 66.758 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 823050
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 14.1 10.3 15.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BF097999.D
 Acq: 23 Aug 2017 15:43

Tgt Ion:264 Resp: 238656
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.5 29.3
 265 21.4 17.2 25.8

