

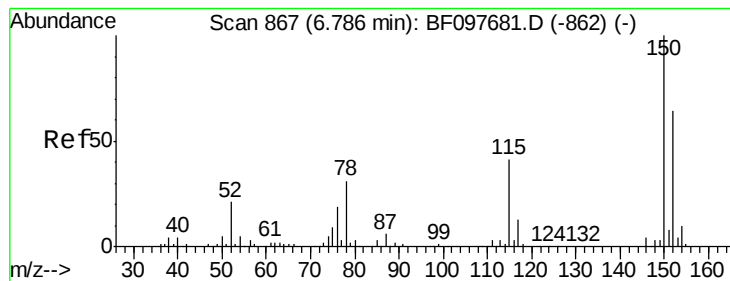
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097865.D
 Acq On : 19 Aug 2017 6:59
 Operator : SJ/JU
 Sample : I4818-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-4-CLEAN-DENSEGRADE

Quant Time: Aug 21 00:52:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	115170	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	456440	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	199863	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	365791	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	313722	20.00	ng	-0.02
86) Perylene-d12	15.36	264	263485	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	937754	123.85	ng	0.00
7) Phenol-d6	6.41	99	1263805	122.85	ng	0.00
23) Nitrobenzene-d5	7.34	82	799506	95.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	210136	121.18	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1152722	84.74	ng	-0.01
78) Terphenyl-d14	12.88	244	957932	63.67	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	108994	15.48	ng	# 71
25) Isophorone	7.34	82	794411	45.47	ng	# 67
32) Benzoic acid	7.71	122	120	6.42	ng	# 1
49) Dimethylphthalate	9.53	163	79659	5.45	ng	98
50) 2,6-Dinitrotoluene	9.81	165	24836	8.52	ng	# 34
56) 2,4-Dinitrotoluene	9.81	165	24836	6.79	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.59	198	404	8.51	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	14050	3.70	ng	# 1

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

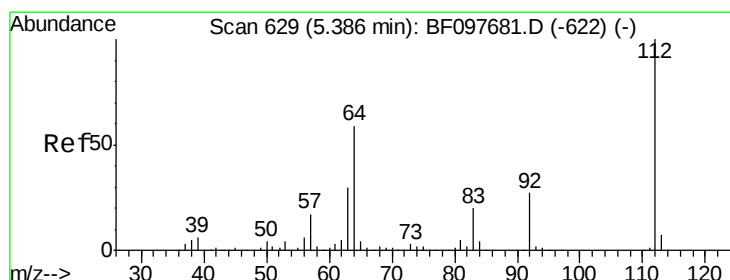
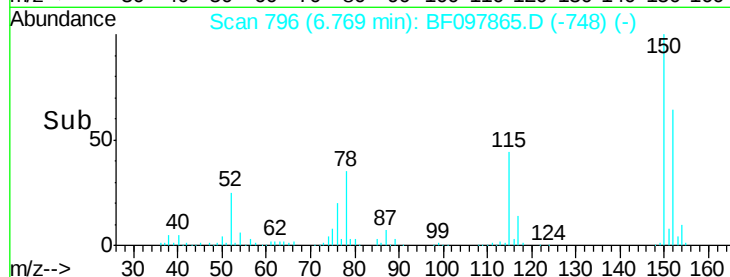
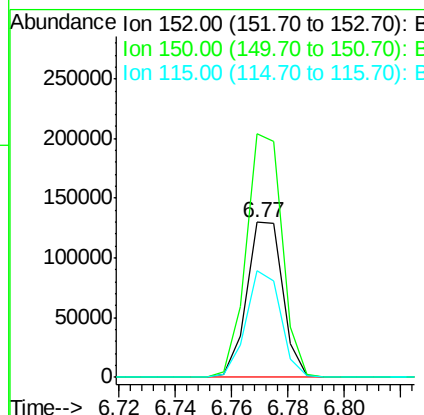
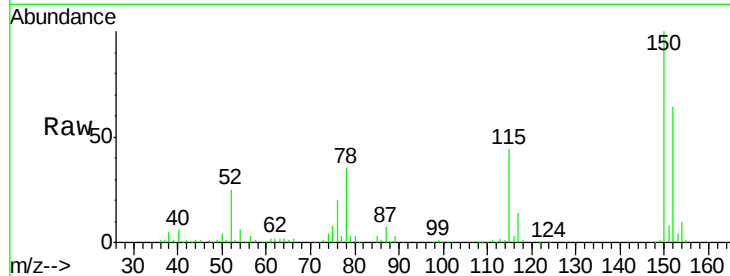


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097865.D
Acq: 19 Aug 2017 6:59

Instrument :
BNA_F
ClientSampleId :
3-4-CLEAN-DENSEGRADE

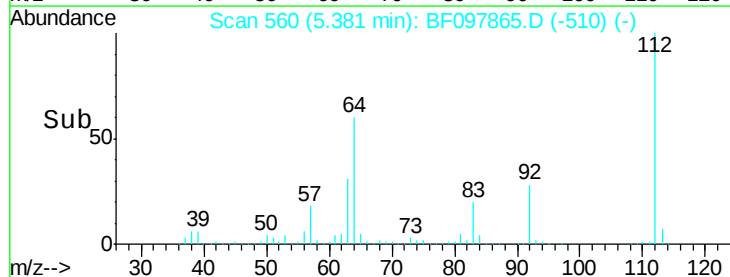
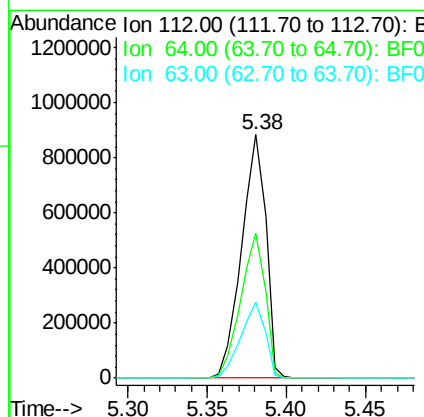
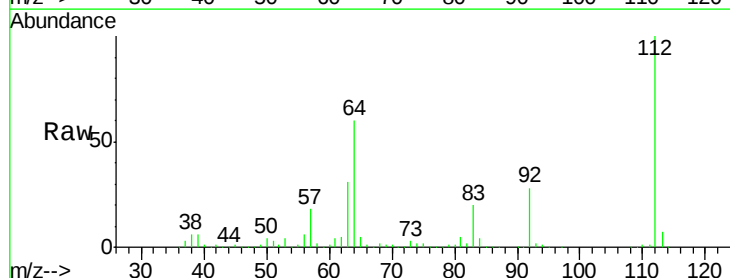
Tot Ion:152 Resp: 115170
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 69.0 52.2 78.2

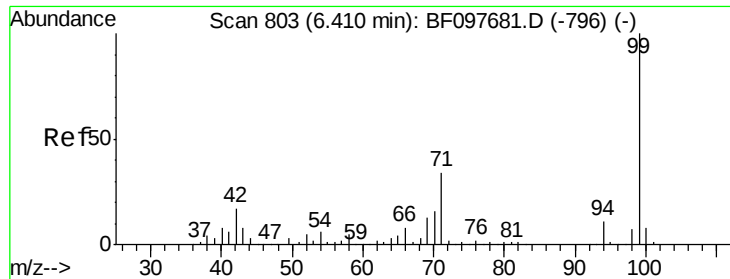


#5

2-Fluorophenol
Concen: 123.85 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097865.D
Acq: 19 Aug 2017 6:59

Tgt Ion:112 Resp: 937754
Ion Ratio Lower Upper
112 100
64 59.6 46.0 69.0
63 31.0 23.4 35.0





#7

Phenol-d6

Concen: 122.85 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

Instrument :

BNA_F

ClientSampleId :

3-4-CLEAN-DENSEGRADE

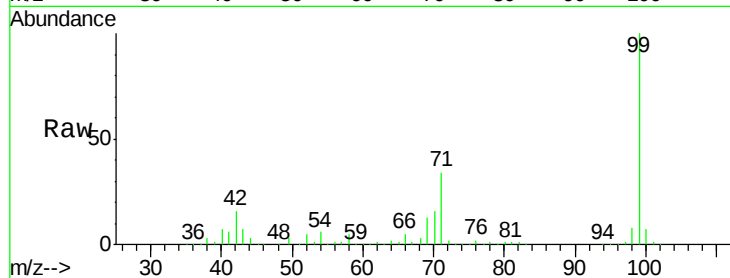
Tot Ion: 99 Resp: 1263805

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

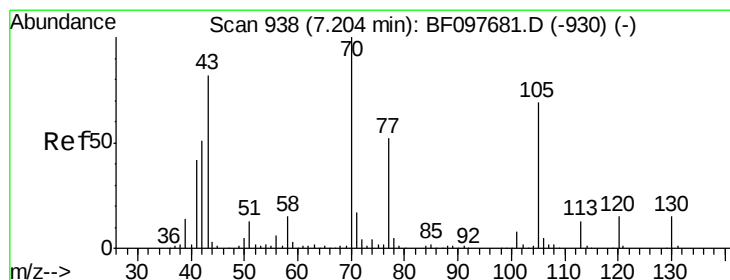
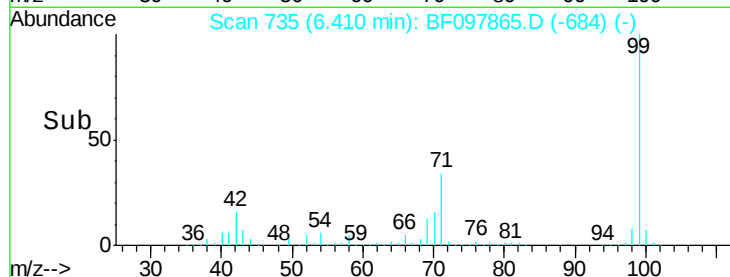
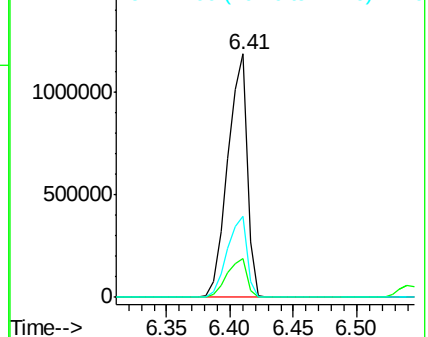
71 33.6 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.48 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

Tgt Ion: 70 Resp: 108994

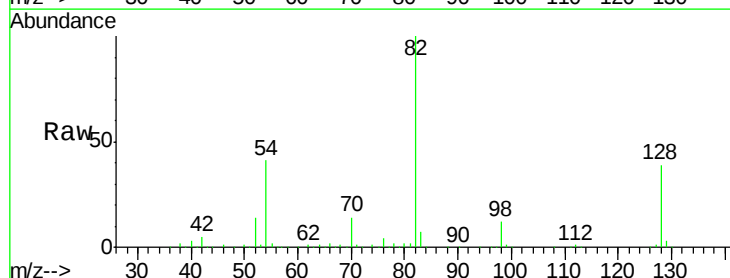
Ion Ratio Lower Upper

70 100

42 39.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

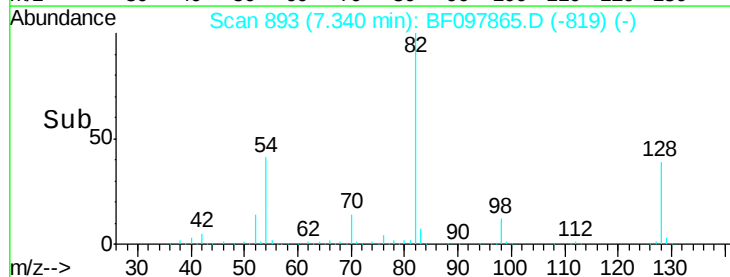
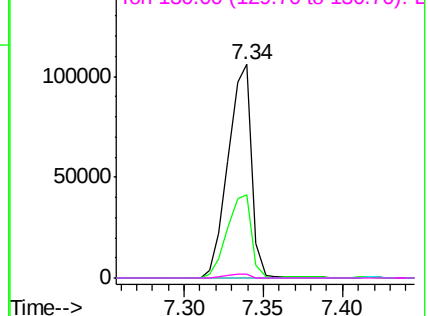


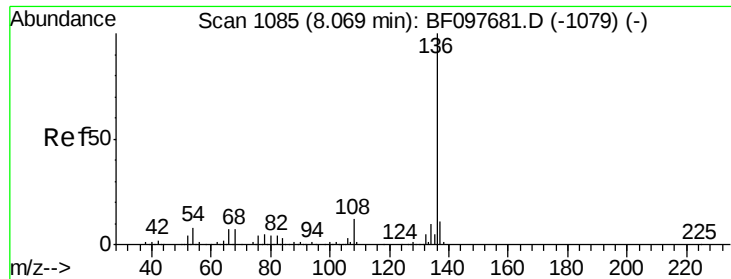
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

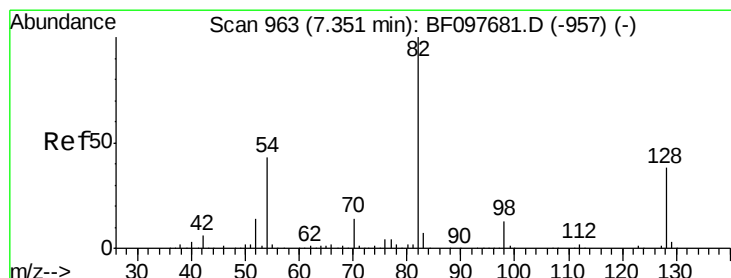
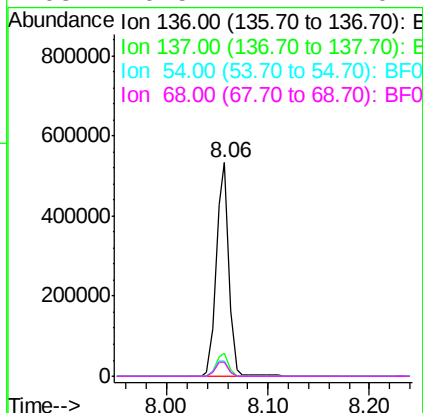
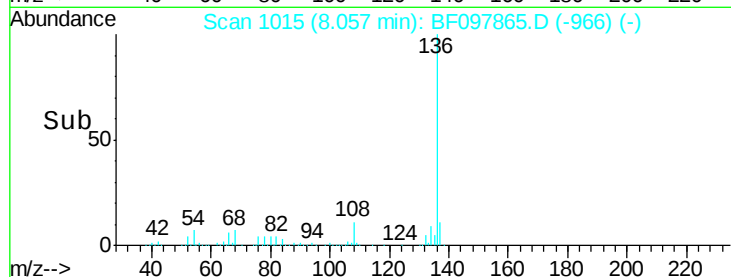
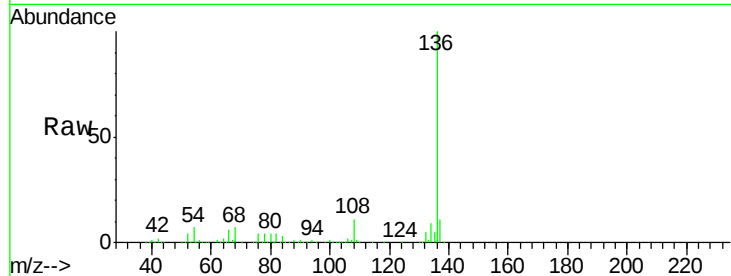
Instrument :

BNA_F

ClientSampleId :

3-4-CLEAN-DENSEGRADE

Tot Ion:136	Resp:	456440
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	7.1	4.9 7.3
68	6.5	4.1 6.1#



#23

Nitrobenzene-d5

Concen: 95.16 ng

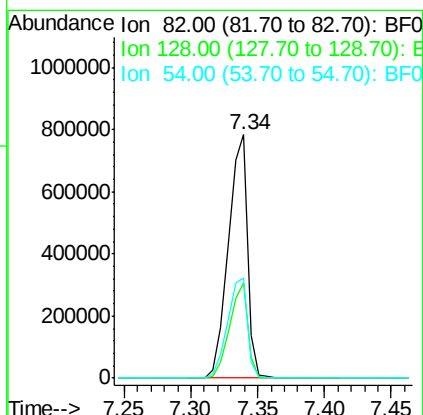
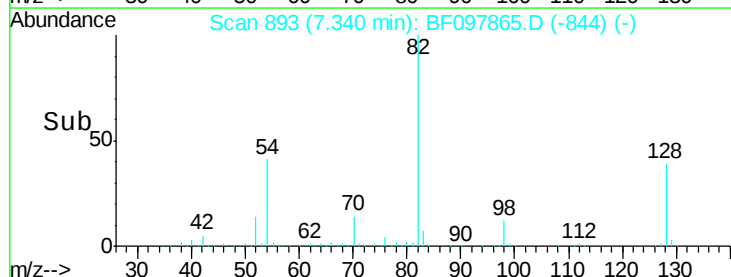
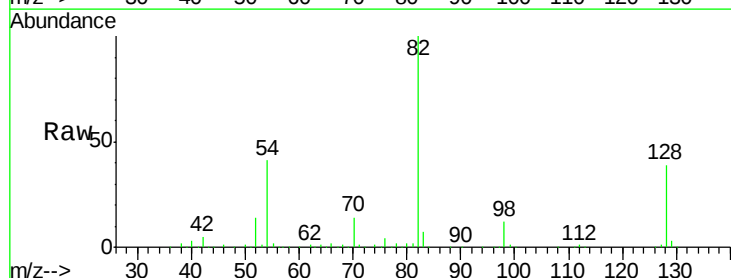
RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

Tgt Ion: 82	Resp:	799506
Ion Ratio	Lower	Upper
82	100	
128	39.0	34.0 51.0
54	41.0	42.2 63.2#





#25

Isophorone

Concen: 45.47 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

Instrument :

BNA_F

ClientSampleId :

3-4-CLEAN-DENSEGRADE

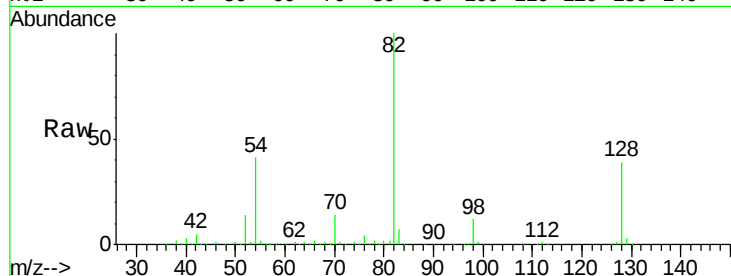
Tot Ion: 82 Resp: 794411

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

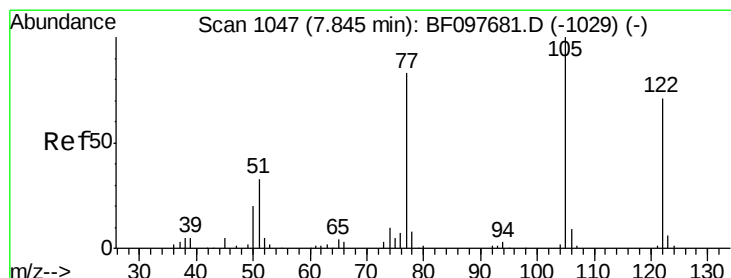
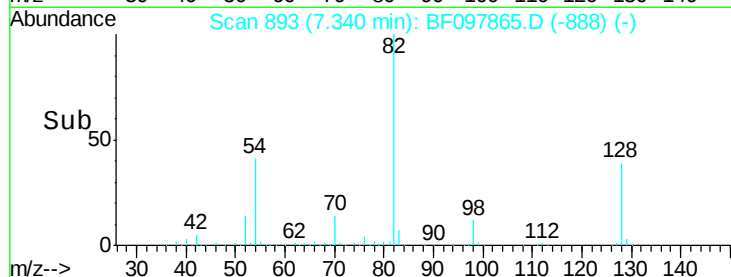
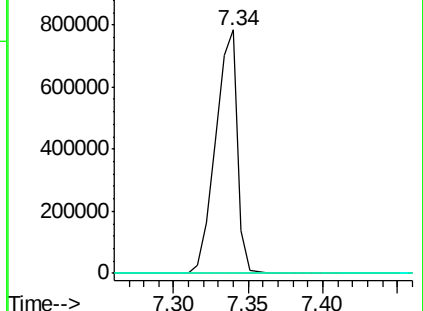
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 6.42 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.13 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

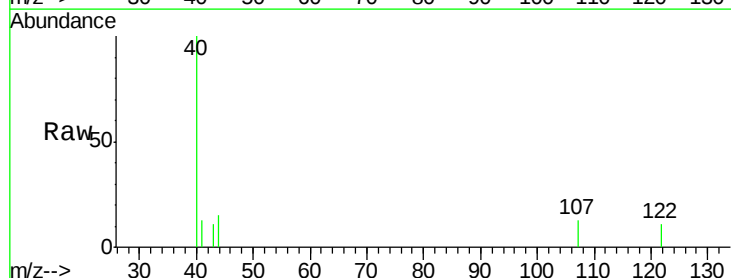
Tgt Ion: 122 Resp: 120

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

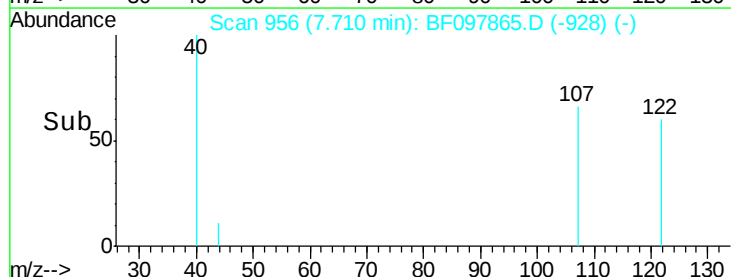
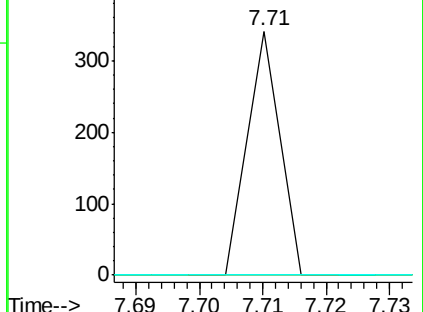
77 0.0 73.7 113.7#

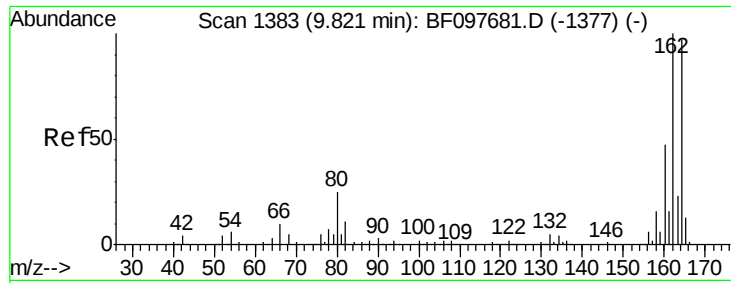


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

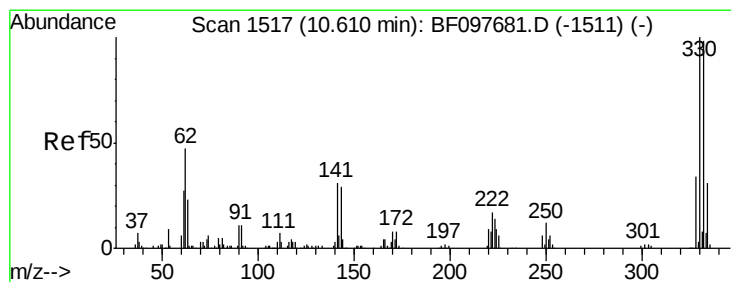
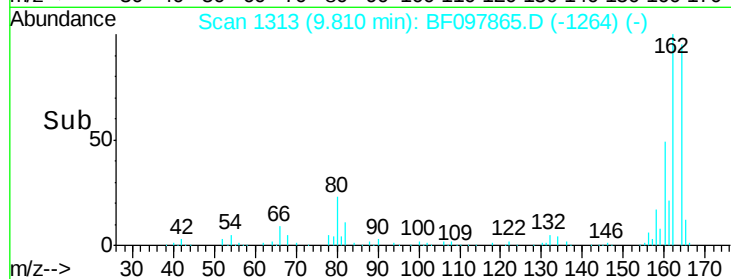
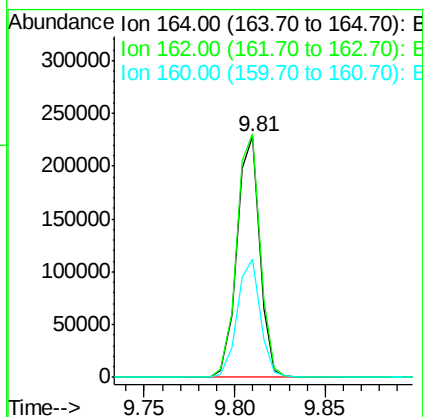
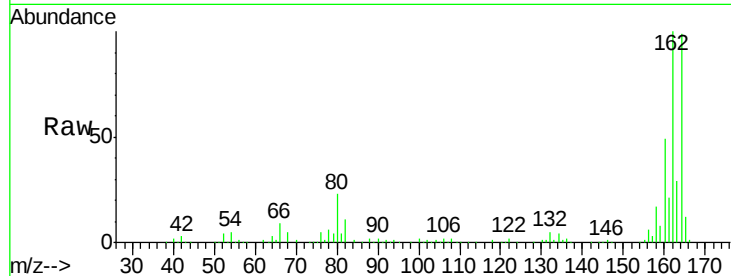




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

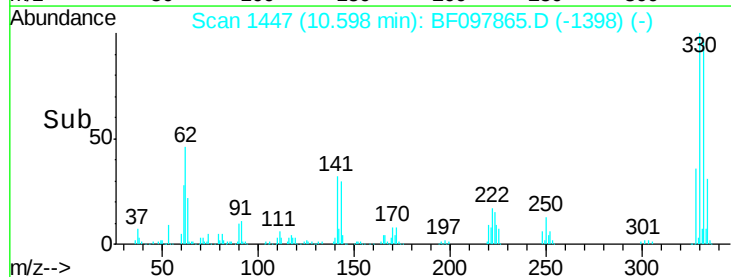
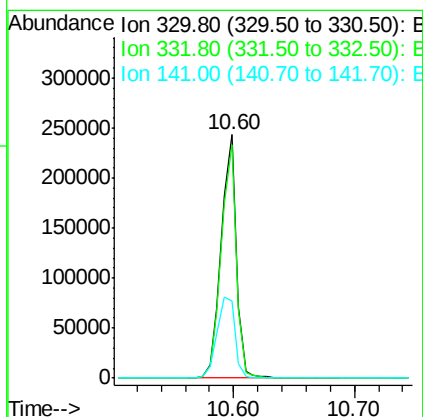
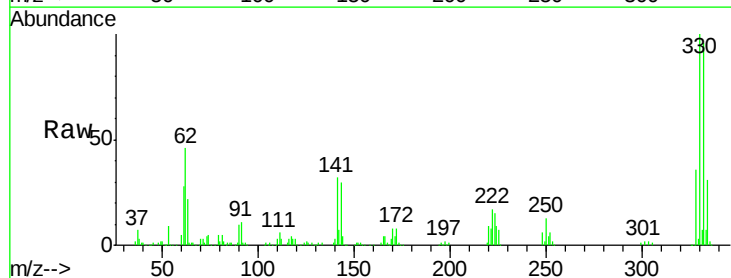
Instrument :
 BNA_F
 ClientSampleId :
 3-4-CLEAN-DENSEGRADE

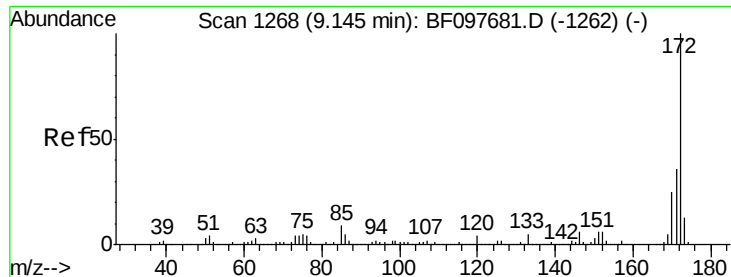
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	49.2	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 121.18 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	39.1	31.4	47.2



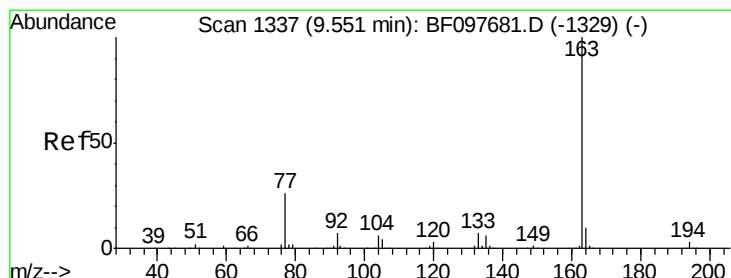
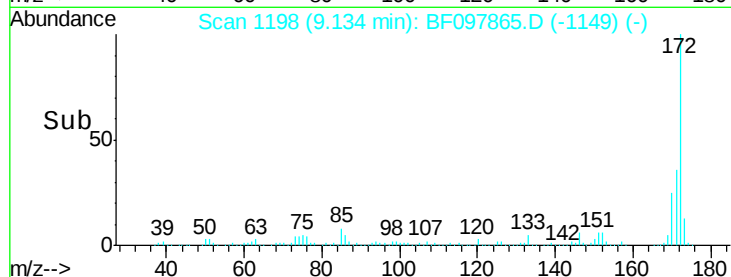
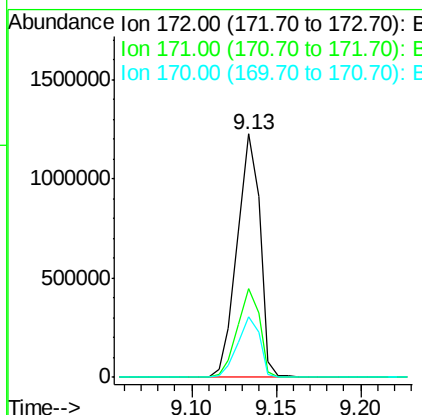
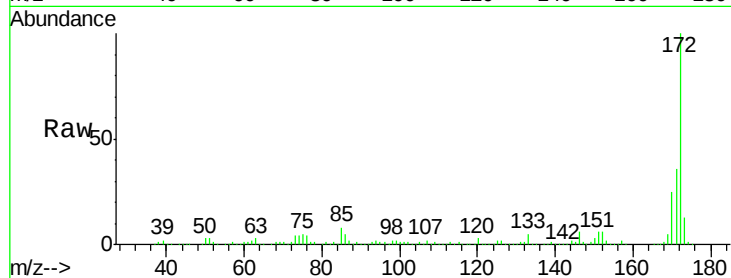


#44
 2-Fluorobiphenyl
 Concen: 84.74 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

Instrument :
 BNA_F
 ClientSampleId :
 3-4-CLEAN-DENSEGRADE

Tot Ion:172 Resp: 1152722

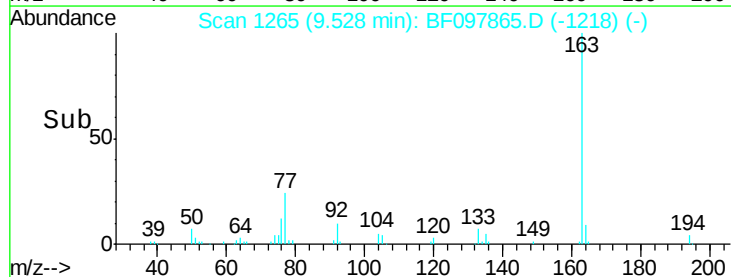
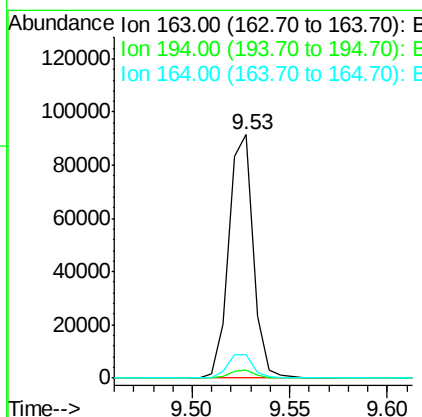
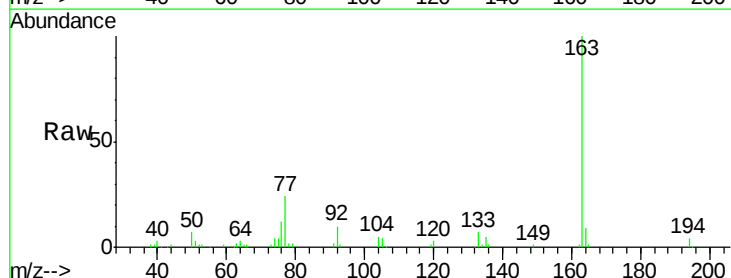
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.8	19.8	29.8

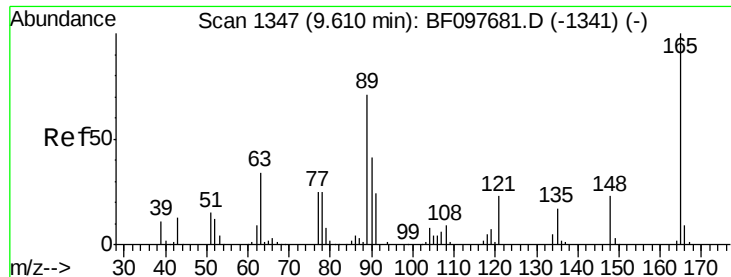


#49
 Dimethylphthalate
 Concen: 5.45 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

Tgt Ion:163 Resp: 79659

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.4	8.4	12.6

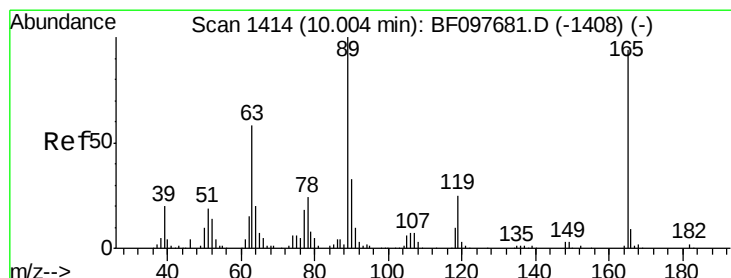
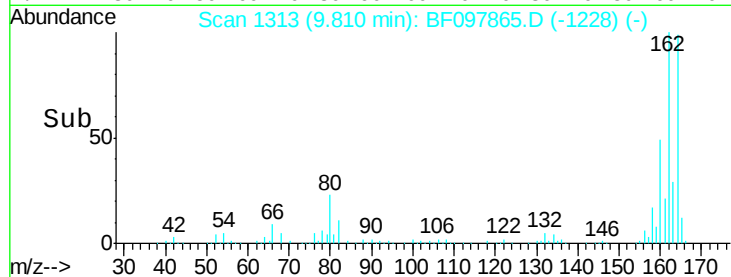
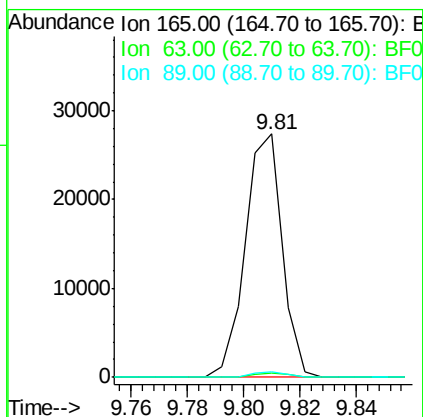
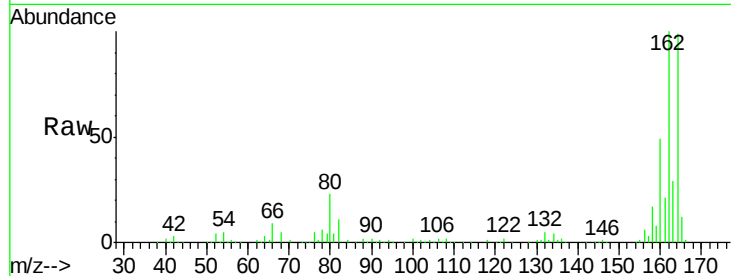




#50
 2,6-Dinitrotoluene
 Concen: 8.52 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. 0.20 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

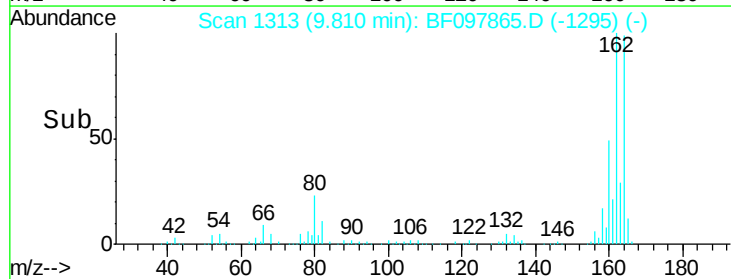
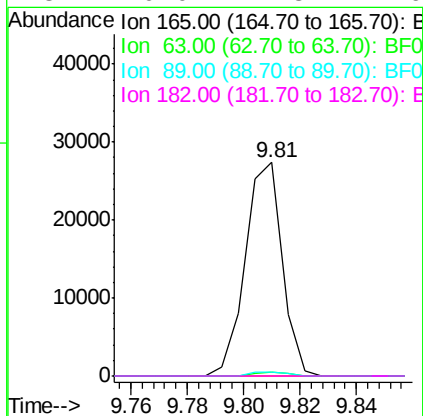
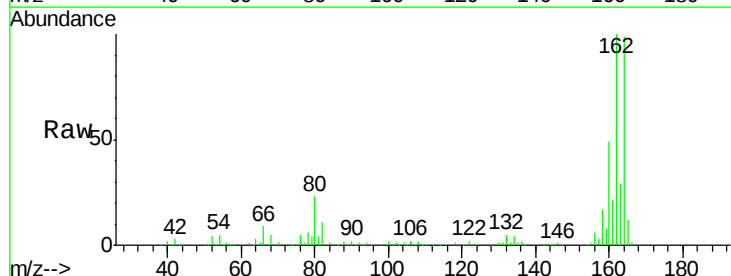
Instrument :
 BNA_F
 ClientSampleId :
 3-4-CLEAN-DENSEGRADE

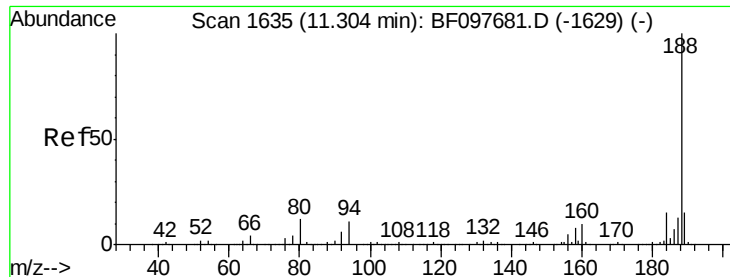
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	2.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.79 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#

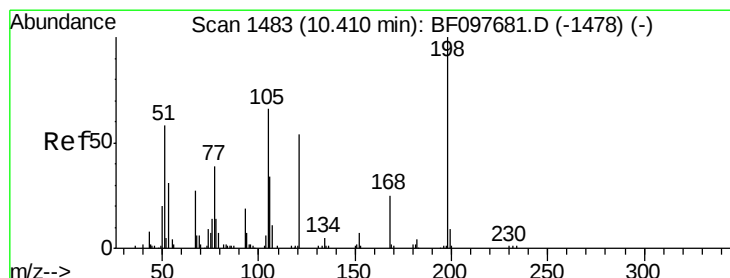
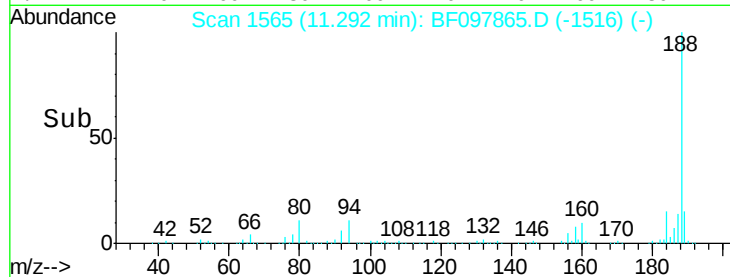
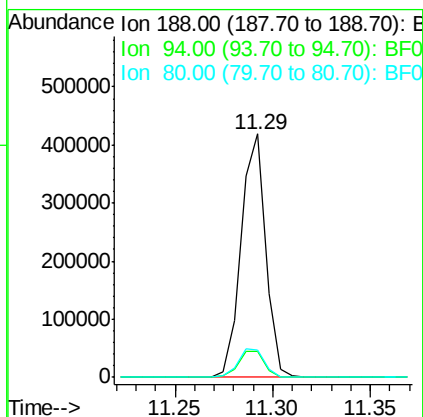
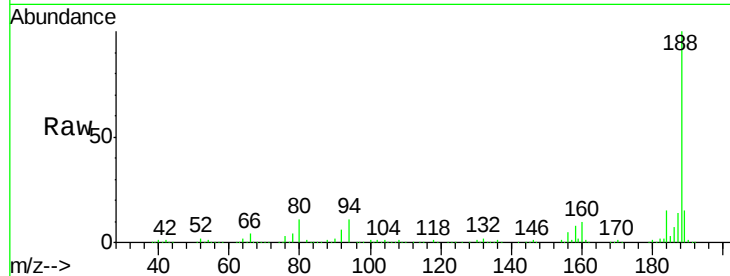




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097865.D
Acq: 19 Aug 2017 6:59

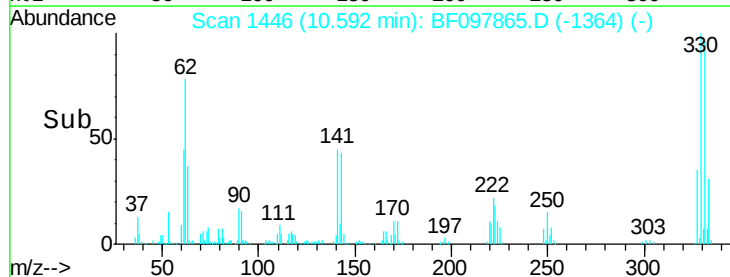
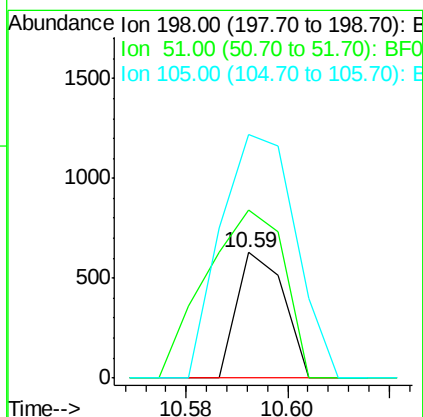
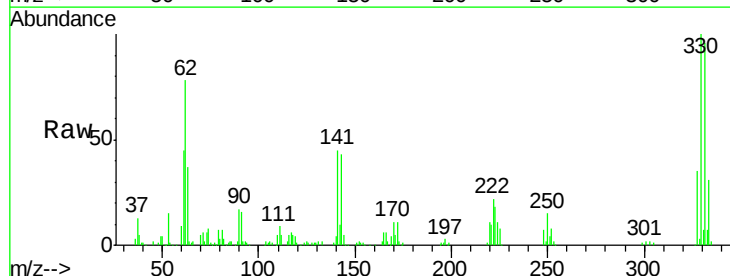
Instrument :
BNA_F
ClientSampleId :
3-4-CLEAN-DENSEGRADE

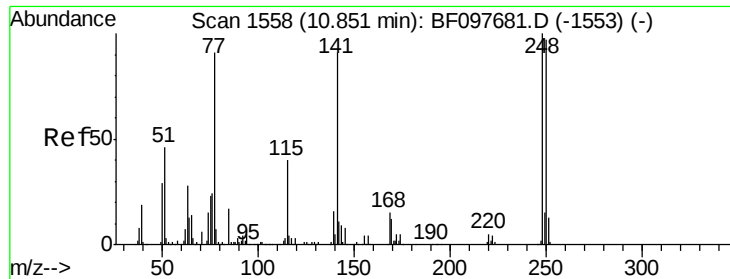
Tot Ion:188 Resp: 365791
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 11.1 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.51 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF097865.D
Acq: 19 Aug 2017 6:59

Tgt Ion:198 Resp: 404
Ion Ratio Lower Upper
198 100
51 133.8 53.2 93.2#
105 194.1 45.8 85.8#

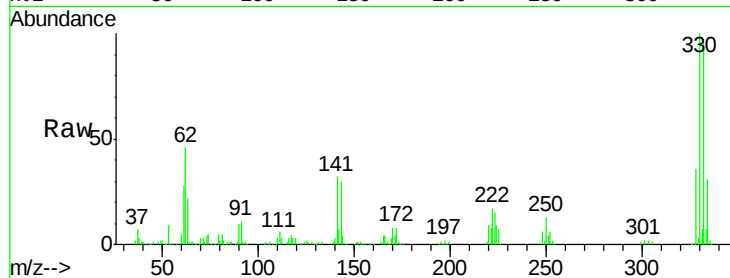




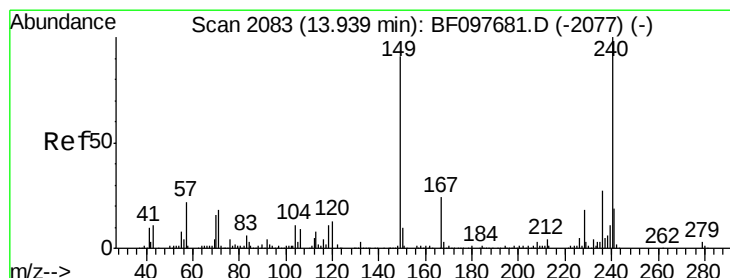
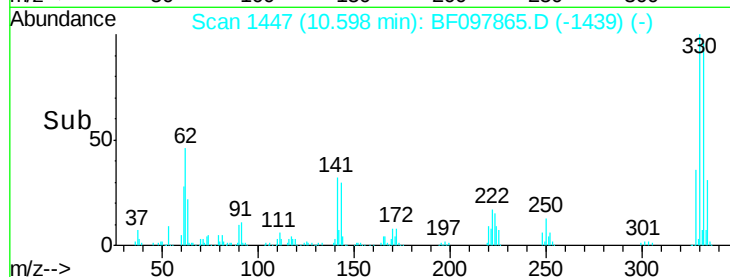
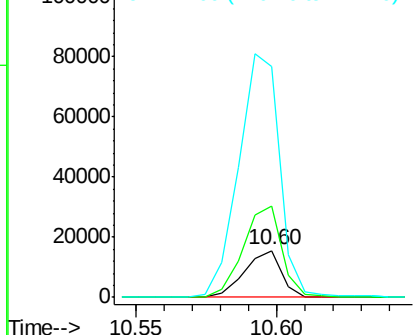
#66
 4-Bromophenyl-phenylether
 Concen: 3.70 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.25 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

Instrument :
 BNA_F
 ClientSampleId :
 3-4-CLEAN-DENSEGRADE

Tot Ion:248 Resp: 14050
 Ion Ratio Lower Upper
 248 100
 250 194.4 76.8 115.2#
 141 491.3 68.6 103.0#

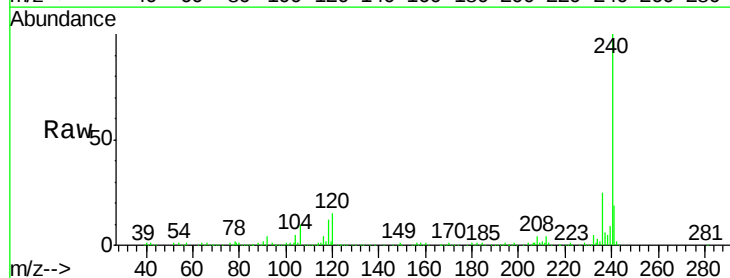


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

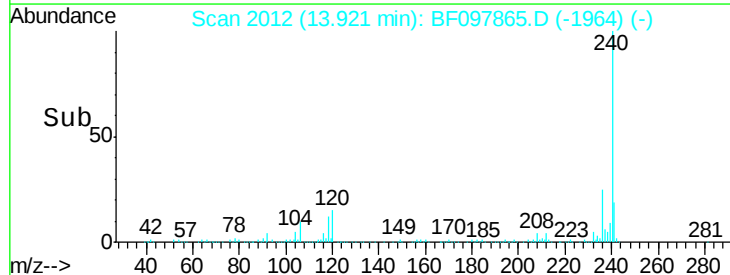
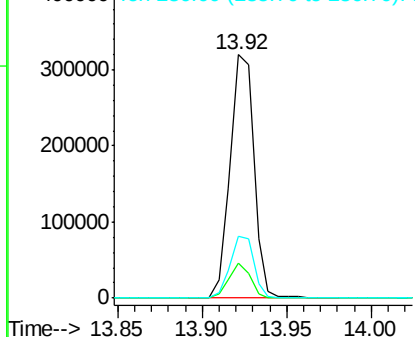


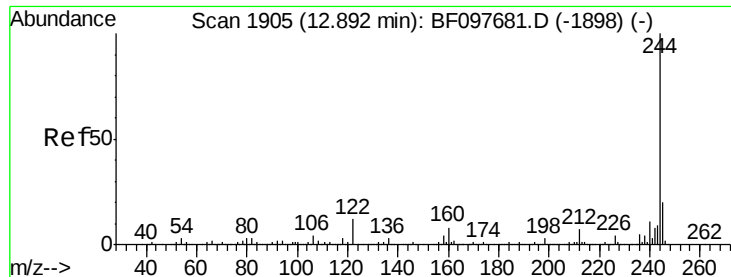
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF097865.D
 Acq: 19 Aug 2017 6:59

Tgt Ion:240 Resp: 313722
 Ion Ratio Lower Upper
 240 100
 120 14.6 5.8 8.8#
 236 25.4 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: 63.67 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

Instrument :

BNA_F

ClientSampleId :

3-4-CLEAN-DENSEGRADE

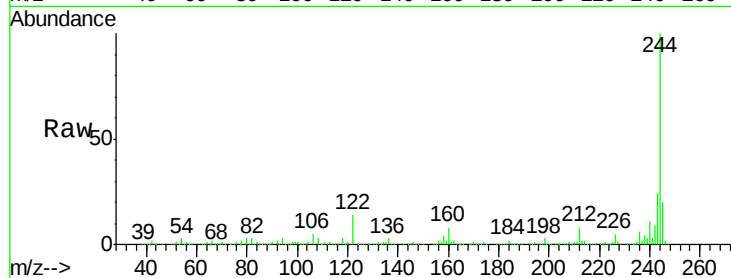
Tot Ion:244 Resp: 957932

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

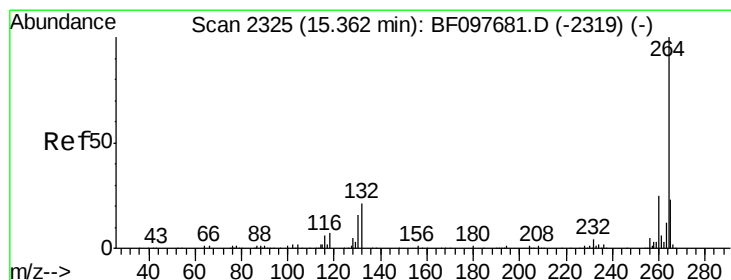
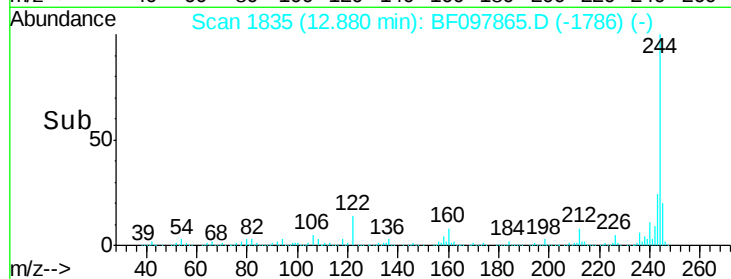
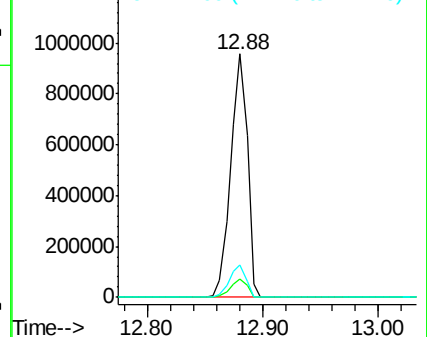
122 13.5 10.3 15.5



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: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF097865.D

Acq: 19 Aug 2017 6:59

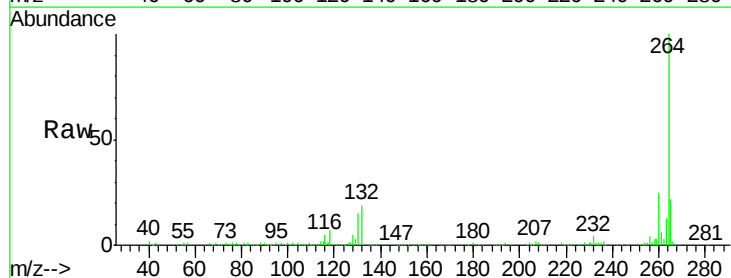
Tgt Ion:264 Resp: 263485

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

265 21.8 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

