

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098859.D
 Acq On : 27 Sep 2017 13:21
 Operator : SJ/JU
 Sample : I5396-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:48:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

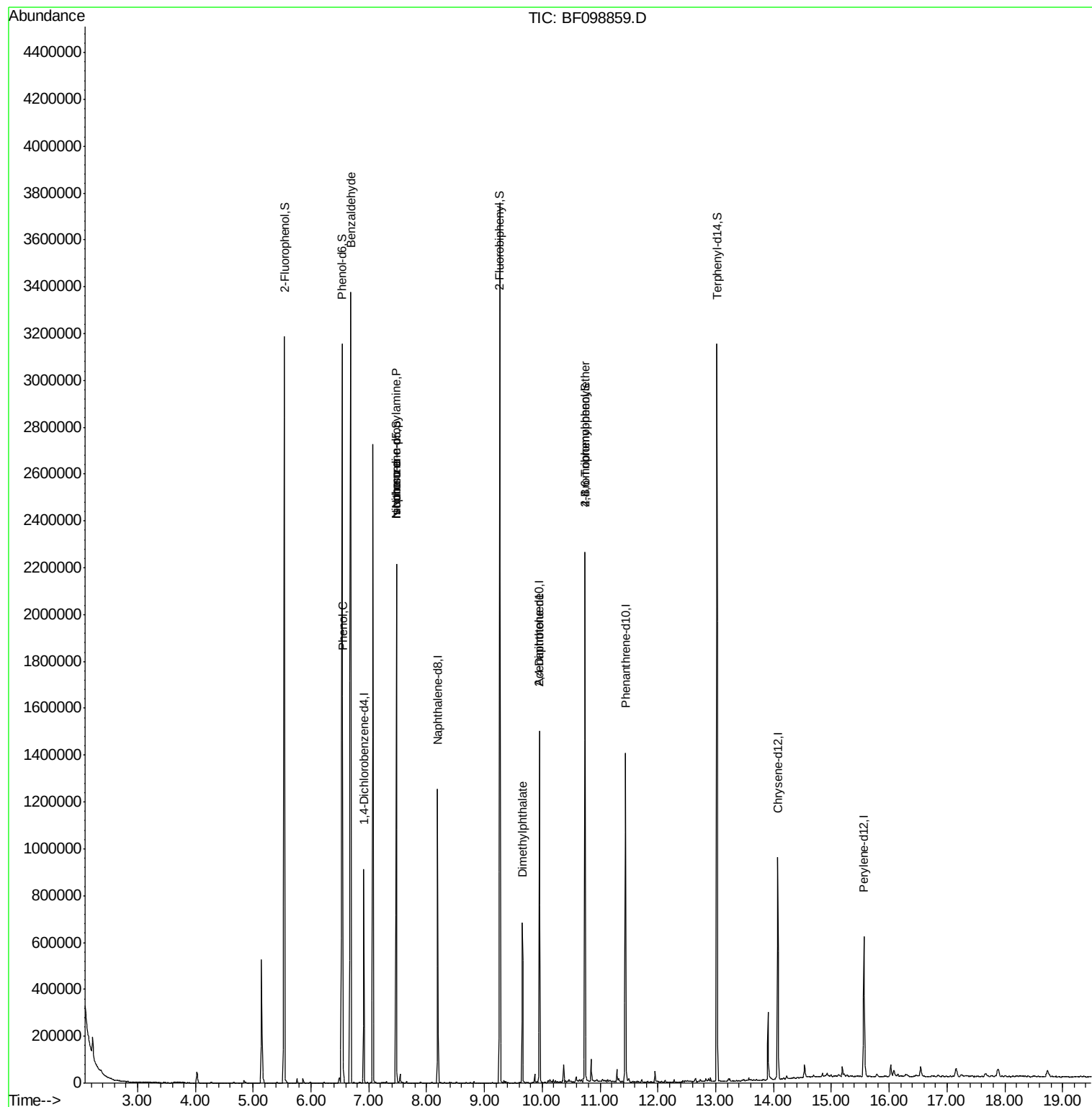
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	136738	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	570053	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	268411	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	471850	20.00	ng	0.00
75) Chrysene-d12	14.07	240	278687	20.00	ng	-0.01
86) Perylene-d12	15.57	264	255042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	997995	116.19	ng	0.00
7) Phenol-d6	6.54	99	1231537	116.22	ng	0.00
23) Nitrobenzene-d5	7.47	82	709672	79.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	264429	120.40	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1188139	73.90	ng	-0.01
78) Terphenyl-d14	13.02	244	964433	78.70	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.69	77	20626	3.36	ng	Qvalue 86
10) Phenol	6.55	94	38014	3.21	ng	94
19) n-Nitroso-di-n-propylamine	7.47	70	91624	13.54	ng	# 75
25) Isophorone	7.47	82	708235	38.54	ng	# 64
49) Dimethylphthalate	9.66	163	266182	13.14	ng	99
56) 2,4-Dinitrotoluene	9.95	165	34228	5.98	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	18008	3.90	ng	# 1

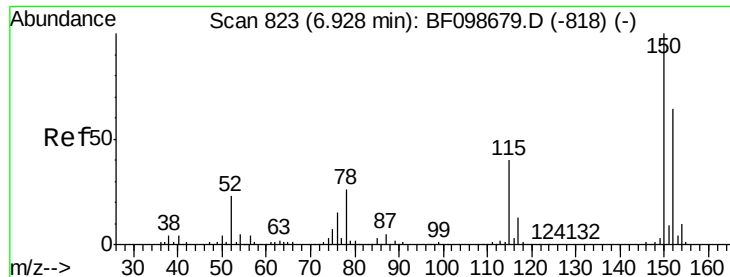
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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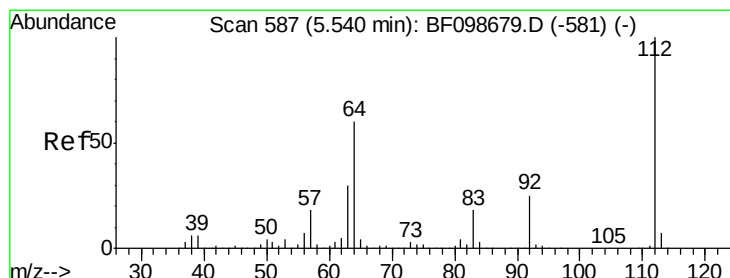
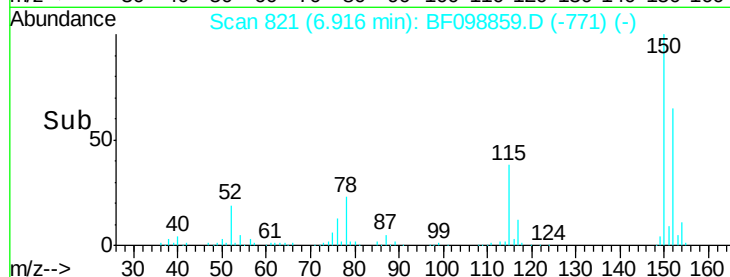
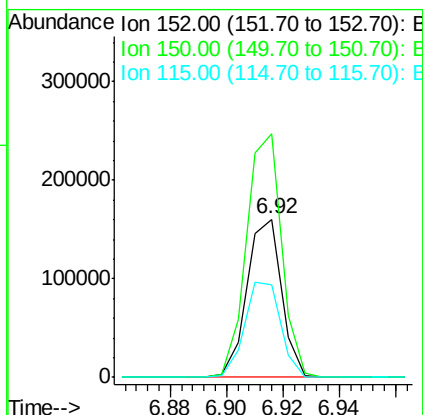
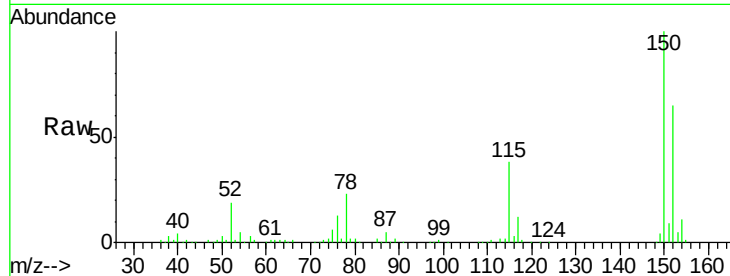


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Instrument :
BNA_F
ClientSampleId :

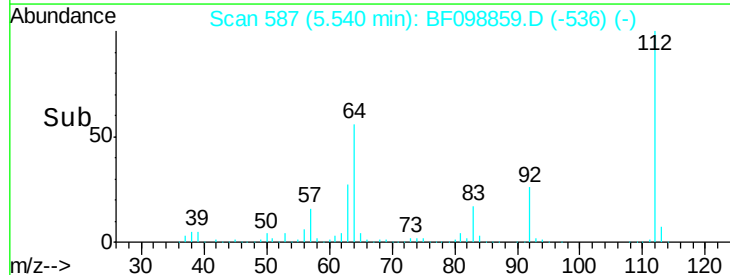
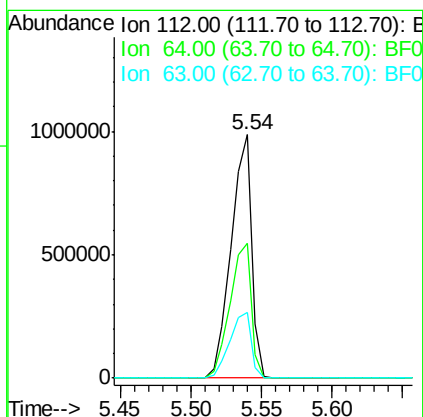
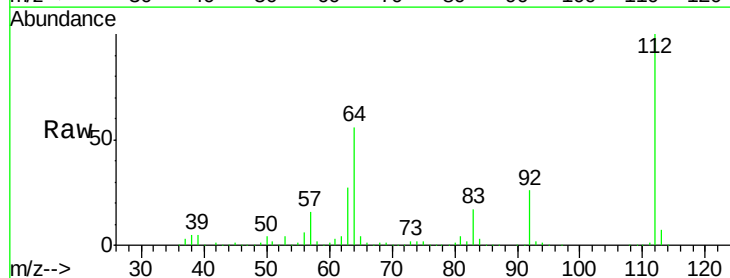
Tot Ion:152 Resp: 136738
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 59.0 50.1 75.1

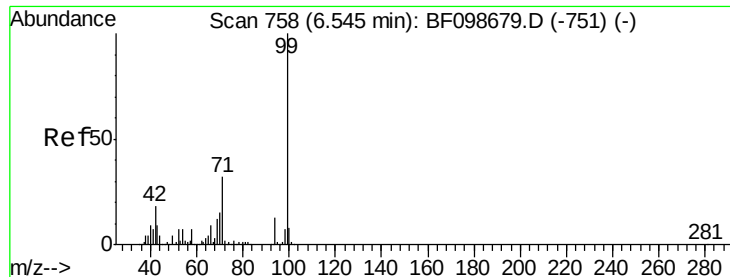


#5

2-Fluorophenol
Concen: 116.19 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Tgt Ion:112 Resp: 997995
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 27.2 23.7 35.5





#7

Phenol-d6

Concen: 116.22 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

Instrument :

BNA_F

ClientSampleId :

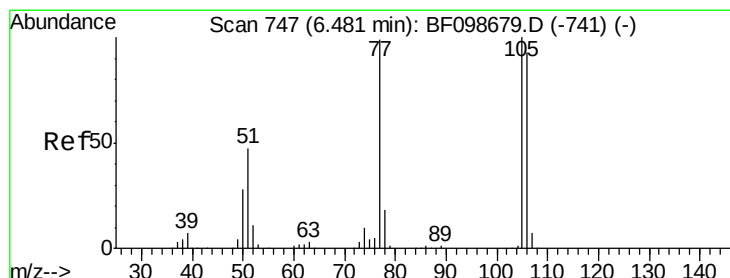
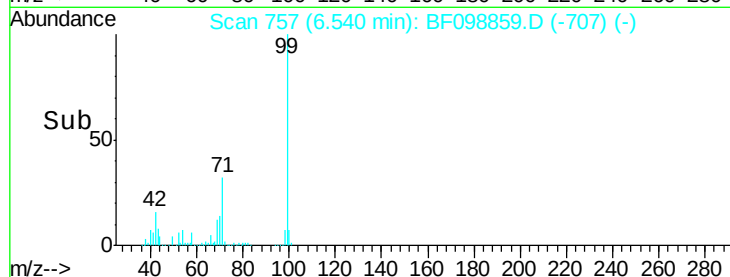
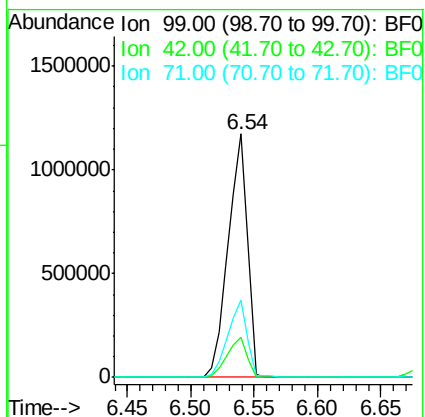
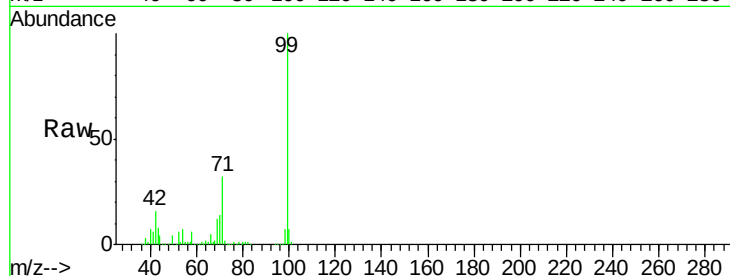
Tot Ion: 99 Resp: 1231537

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.0 25.4 38.0



#9

Benzaldehyde

Concen: 3.36 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

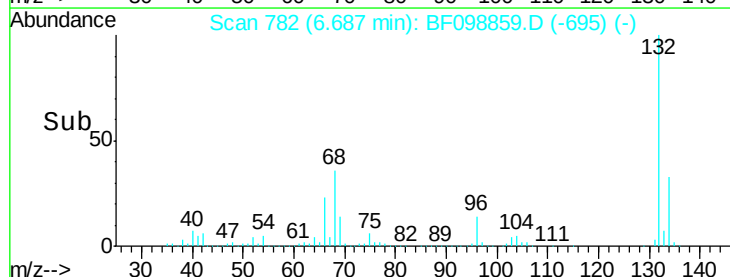
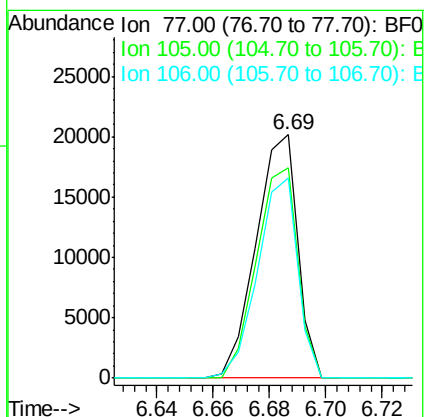
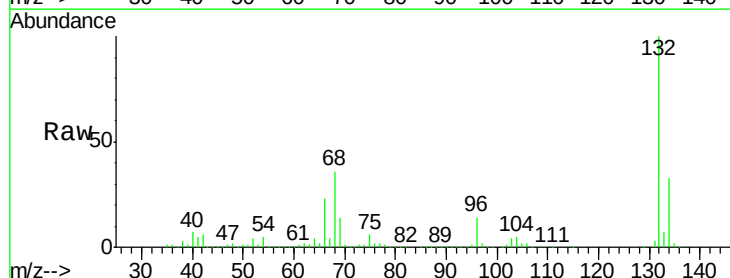
Tgt Ion: 77 Resp: 20626

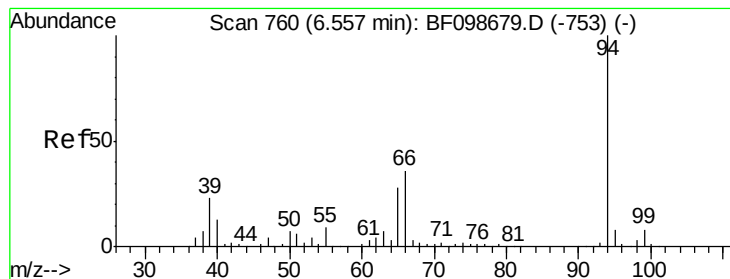
Ion Ratio Lower Upper

77 100

105 86.4 81.1 121.1

106 82.0 74.5 114.5





#10

Phenol

Concen: 3.21 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

Instrument :

BNA_F

ClientSampleId :

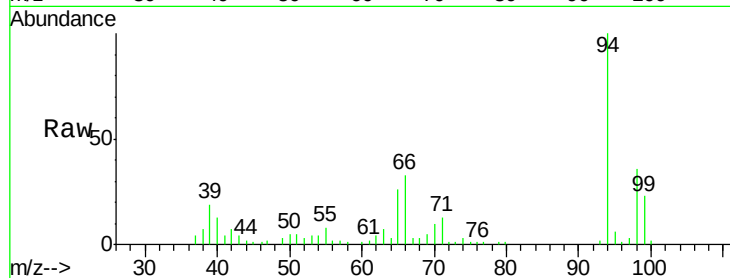
Tot Ion: 94 Resp: 38014

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

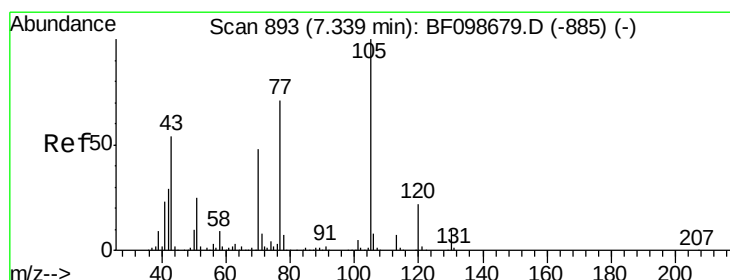
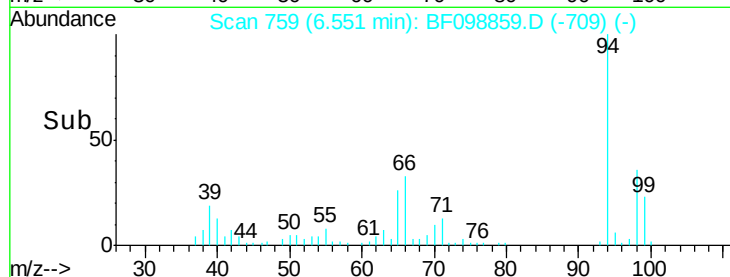
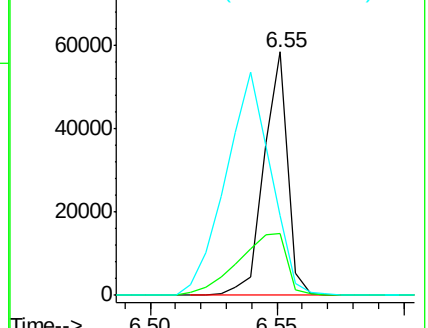
66 32.5 16.2 56.2



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: 13.54 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

Tgt Ion: 70 Resp: 91624

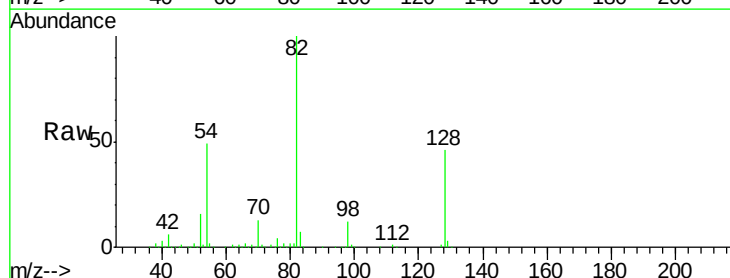
Ion Ratio Lower Upper

70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

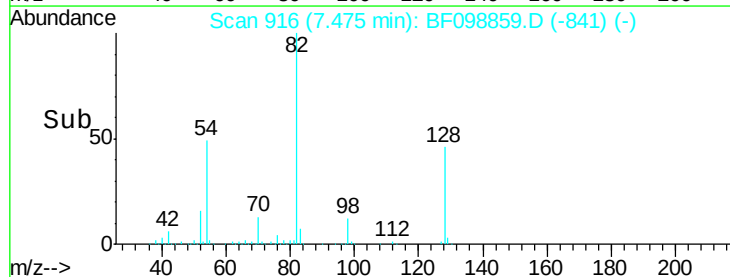
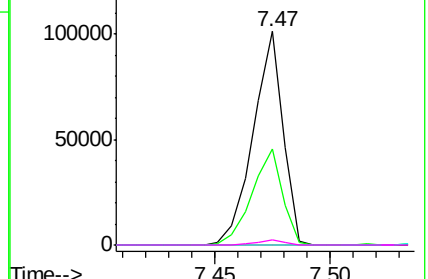


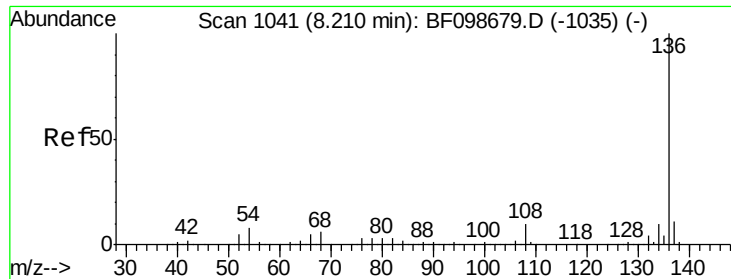
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

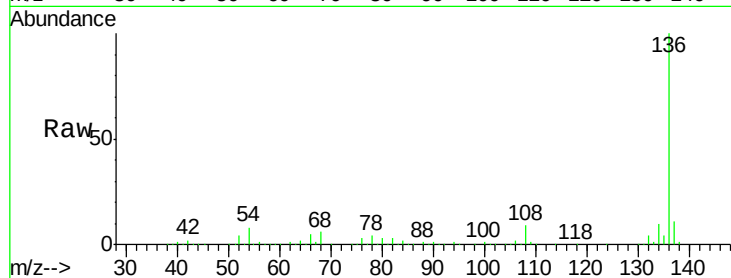




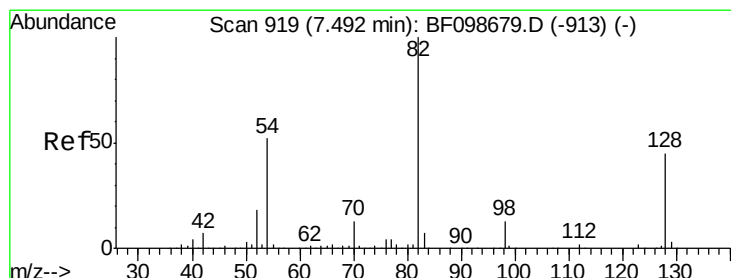
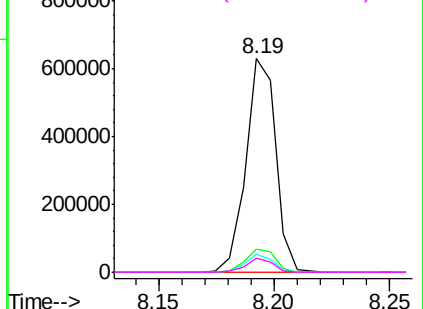
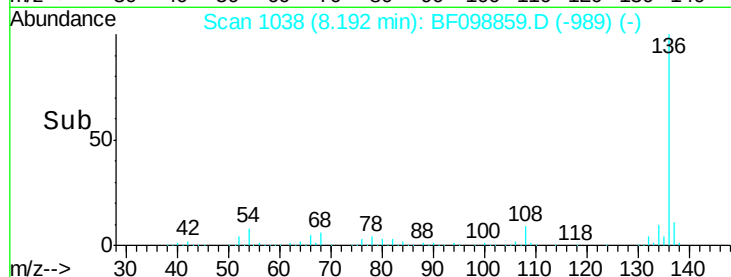
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Instrument :
BNA_F
ClientSampleID :

Tot Ion:136	Resp:	570053
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	8.5	6.6 9.8
68	6.4	5.0 7.4

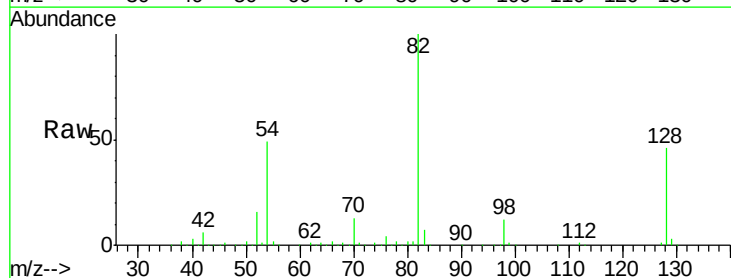


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

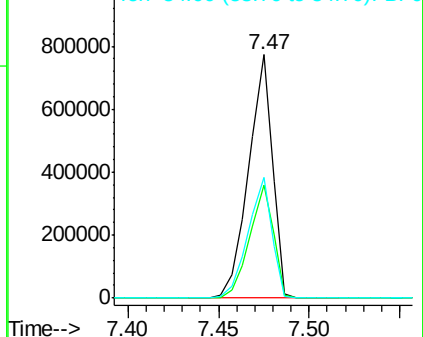
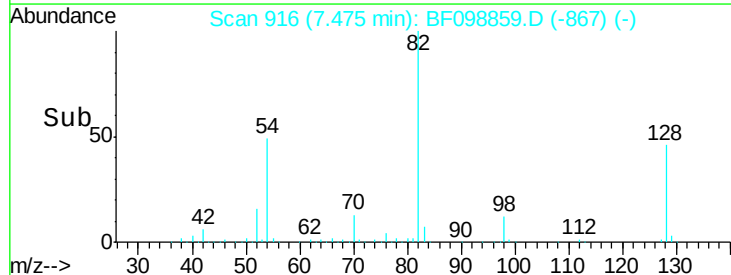


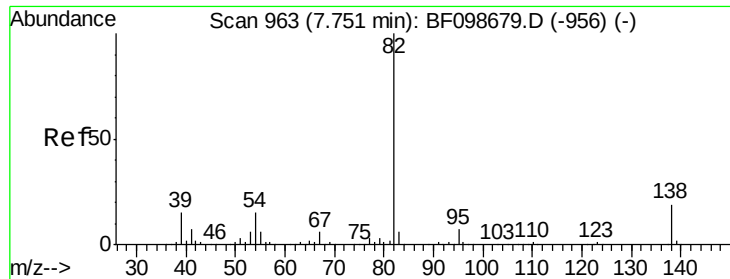
#23
Nitrobenzene-d5
Concen: 79.84 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Tgt Ion: 82	Resp:	709672
Ion	Ratio	Lower Upper
82	100	
128	46.3	36.1 54.1
54	49.4	41.4 62.2



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: 38.54 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

Instrument :

BNA_F

ClientSampled :

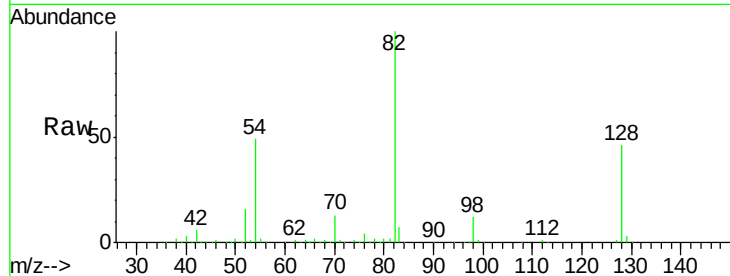
Tot Ion: 82 Resp: 708235

Ion Ratio Lower Upper

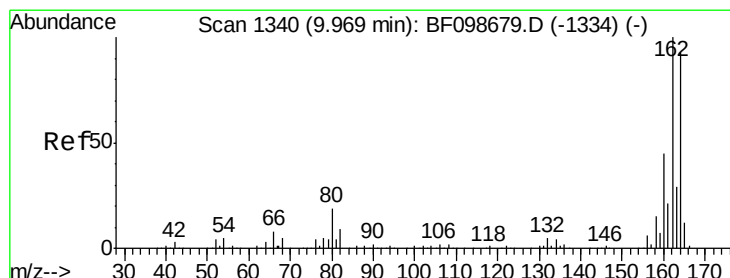
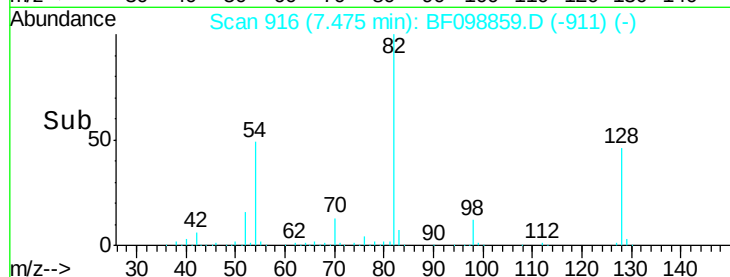
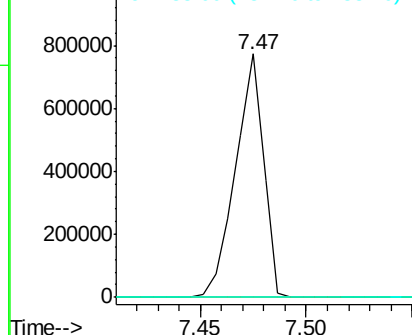
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

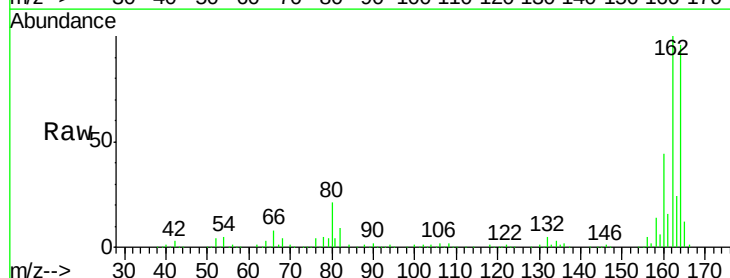
Tgt Ion:164 Resp: 268411

Ion Ratio Lower Upper

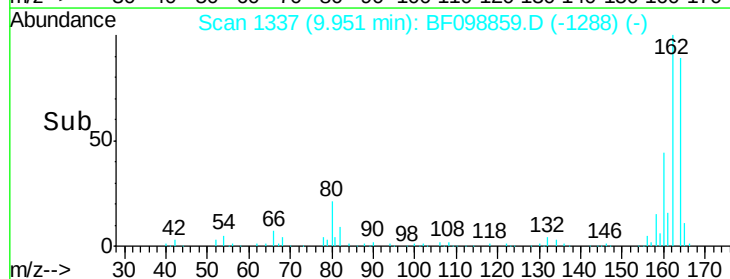
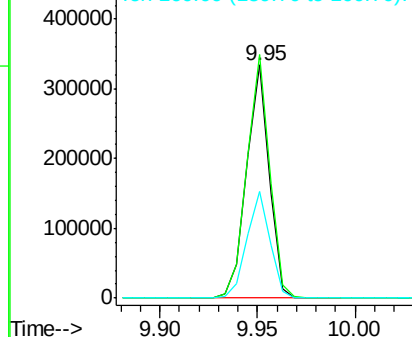
164 100

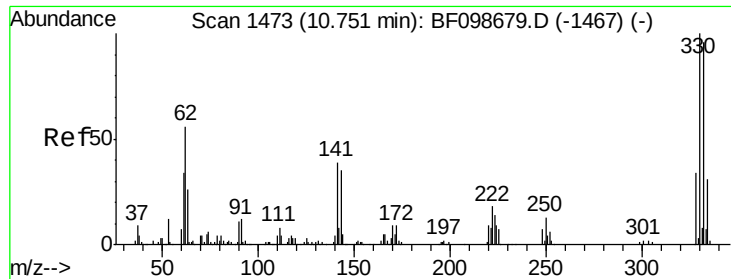
162 104.5 86.1 129.1

160 45.6 38.3 57.5



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

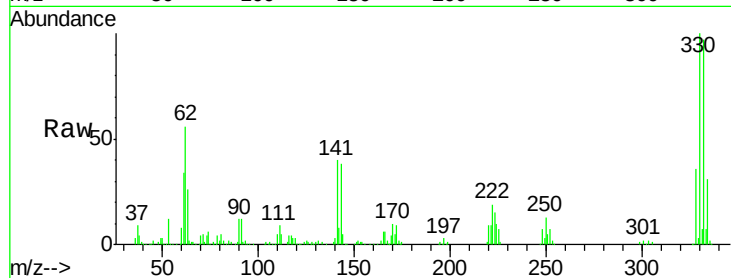




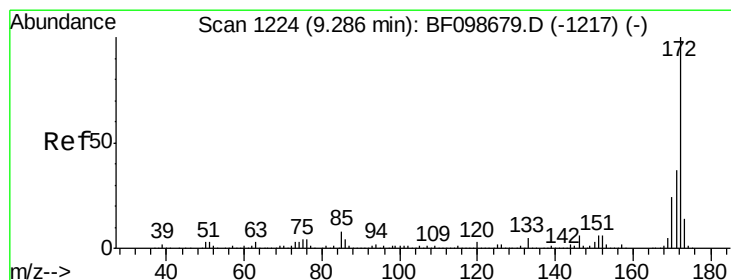
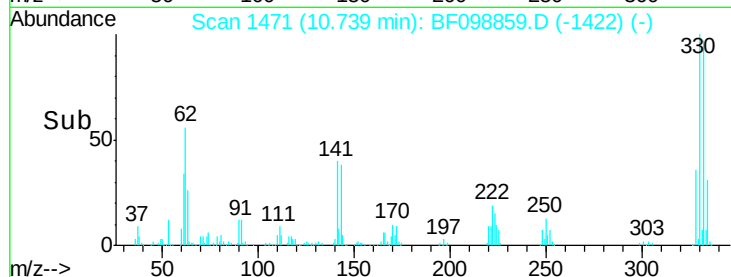
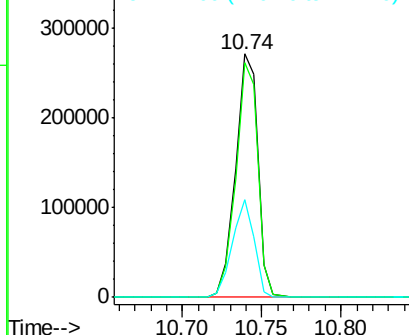
#41
 2,4,6-Tribromophenol
 Concen: 120.40 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098859.D
 Acq: 27 Sep 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	39.5	29.9	44.9

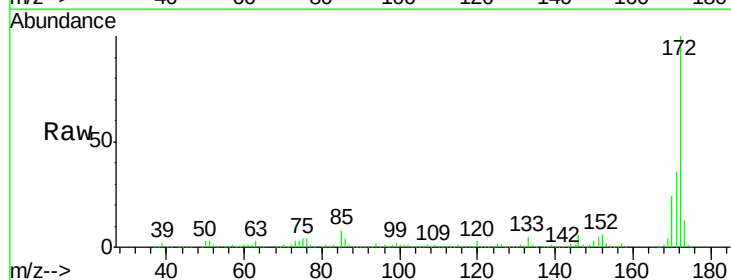


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

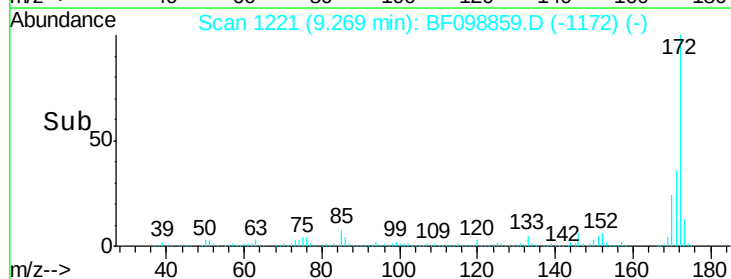
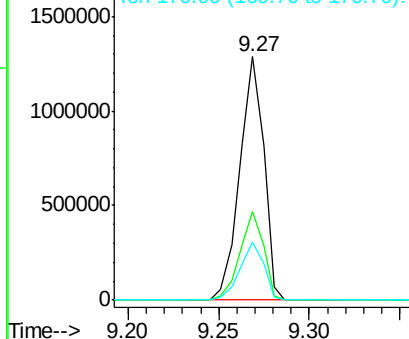


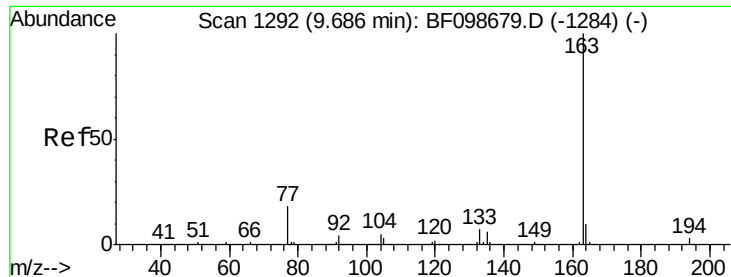
#44
 2-Fluorobiphenyl
 Concen: 73.90 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098859.D
 Acq: 27 Sep 2017 13:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	19.6	29.4



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

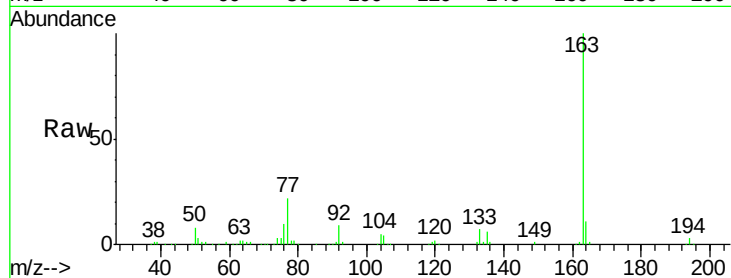




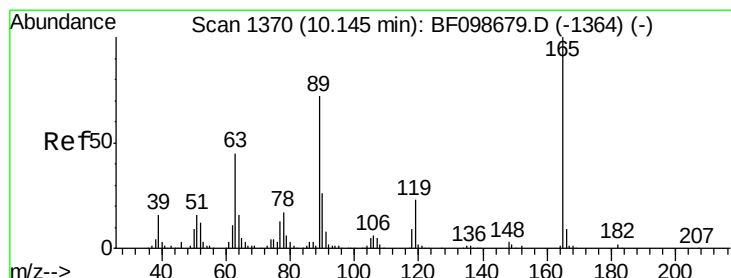
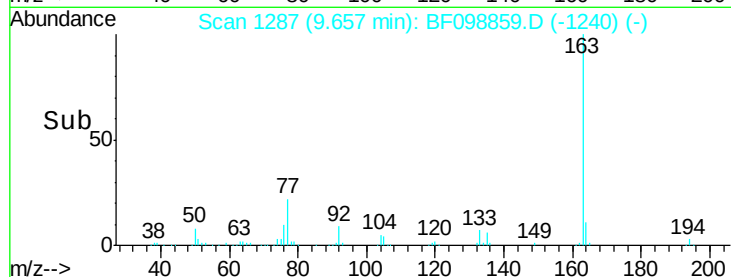
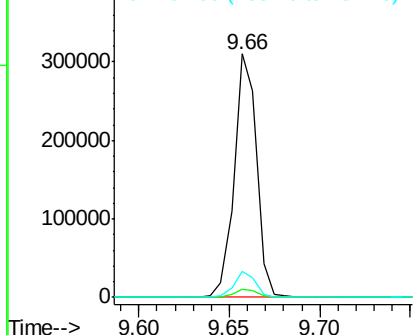
#49
Dimethylphthalate
Concen: 13.14 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 266182
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.8 8.2 12.2

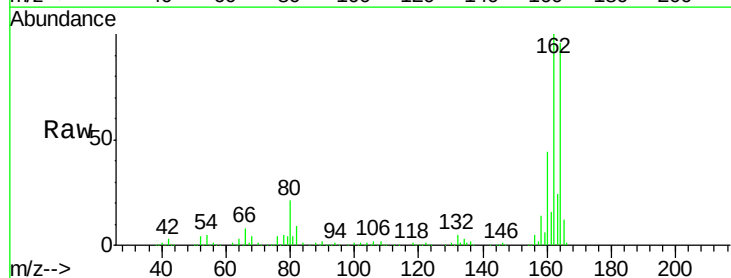


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

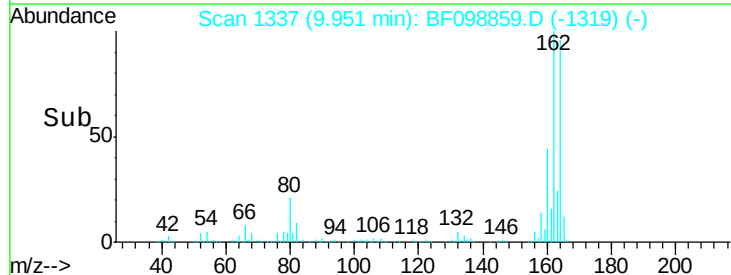
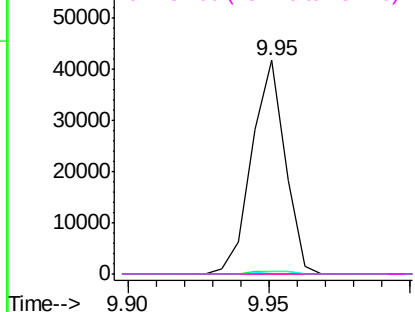


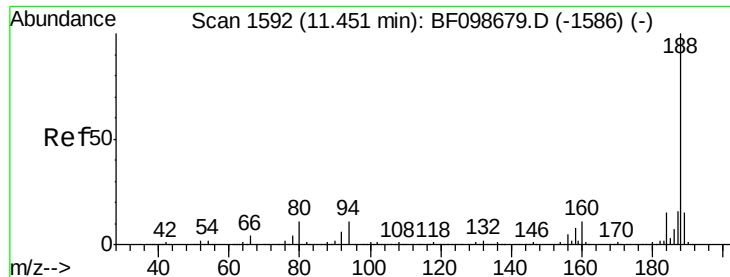
#56
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Tgt Ion:165 Resp: 34228
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.3 57.8 86.6#
182 0.0 1.6 2.4#



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

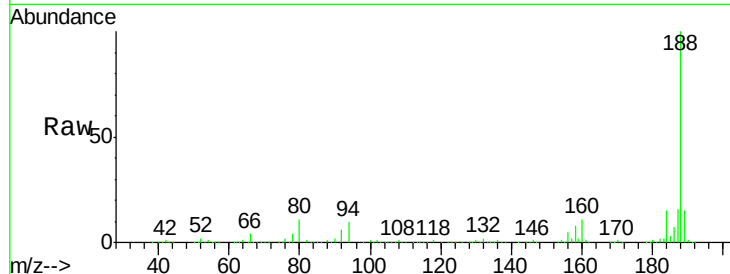




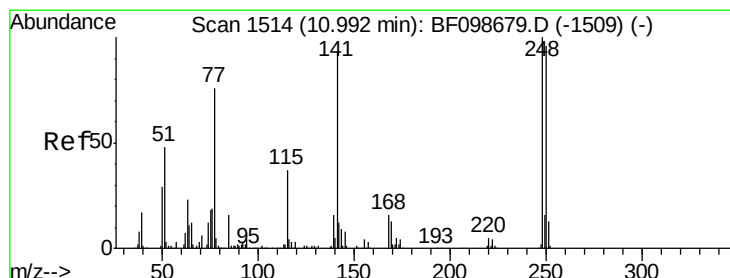
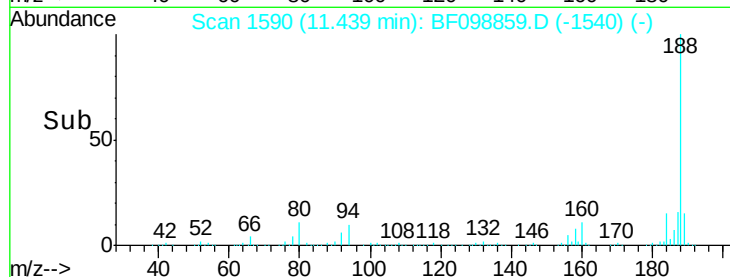
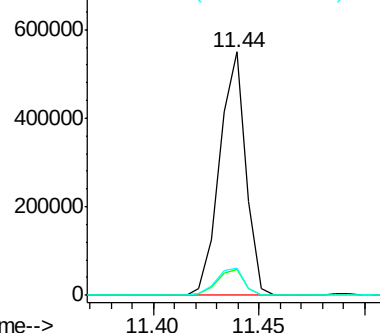
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.1	9.2	13.8

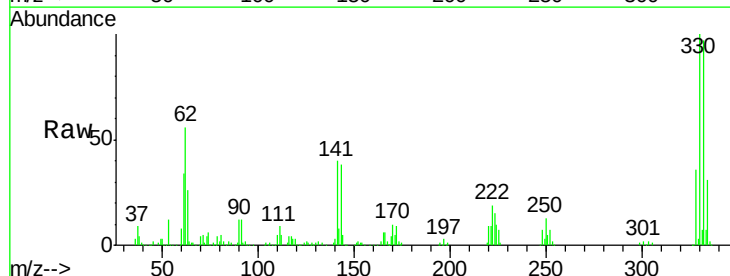


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

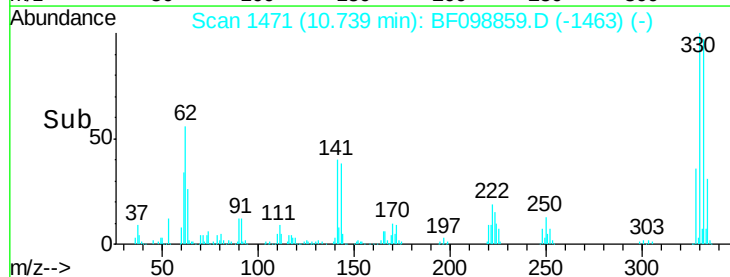
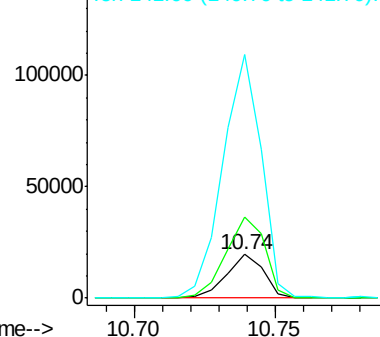


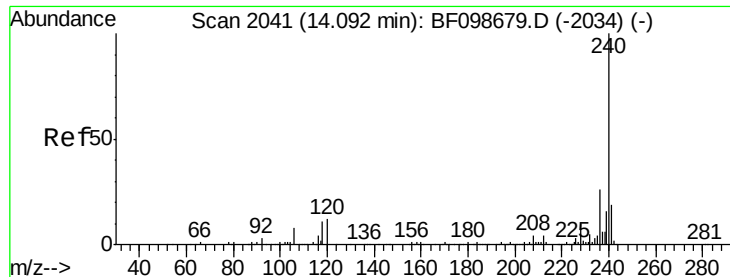
#66
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098859.D
Acq: 27 Sep 2017 13:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	186.2	76.9	115.3#
141	559.3	74.4	111.6#



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: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

Instrument :

BNA_F

ClientSampleId :

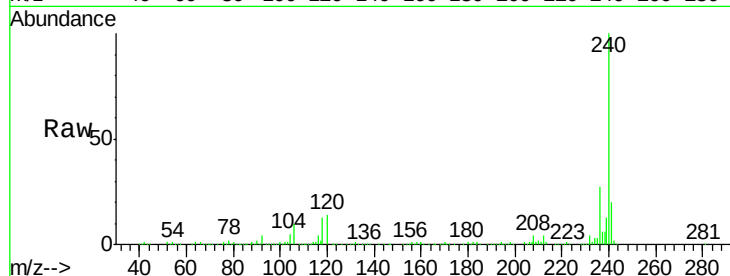
Tot Ion:240 Resp: 278687

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

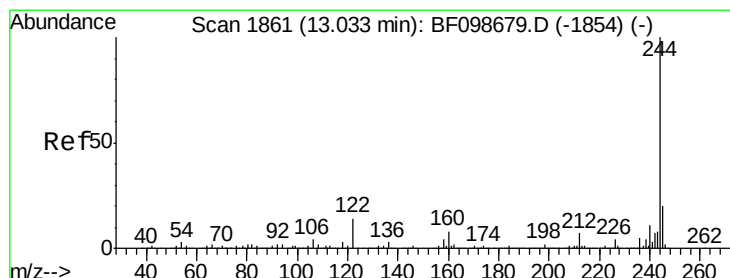
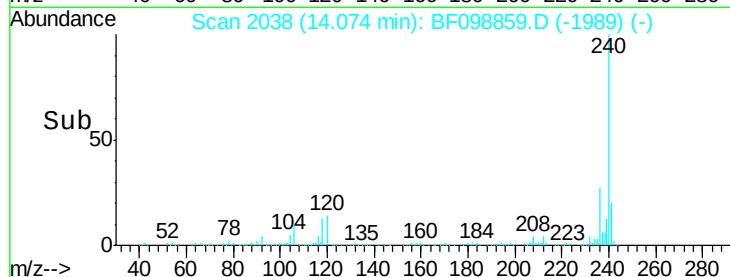
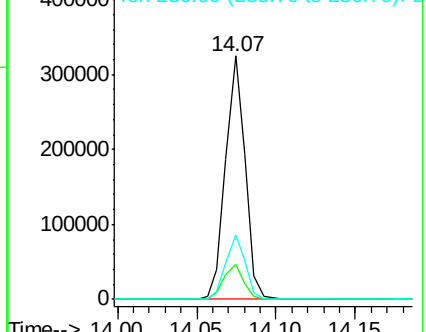
236 26.5 20.7 31.1



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: 78.70 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098859.D

Acq: 27 Sep 2017 13:21

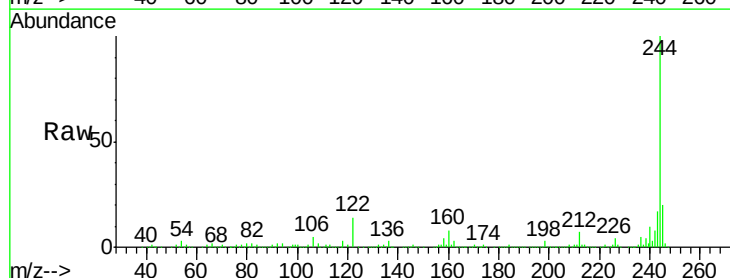
Tgt Ion:244 Resp: 964433

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

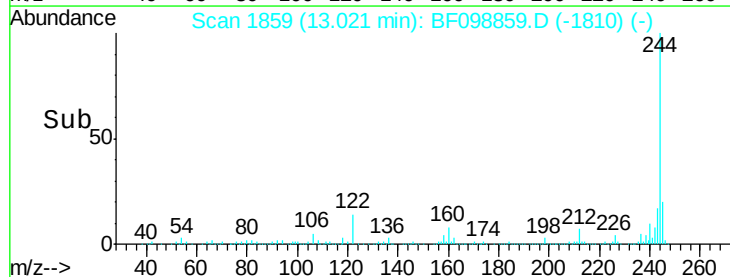
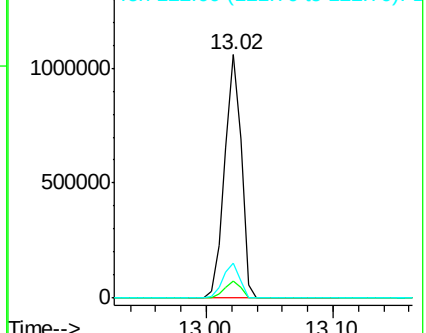
122 14.3 11.0 16.4

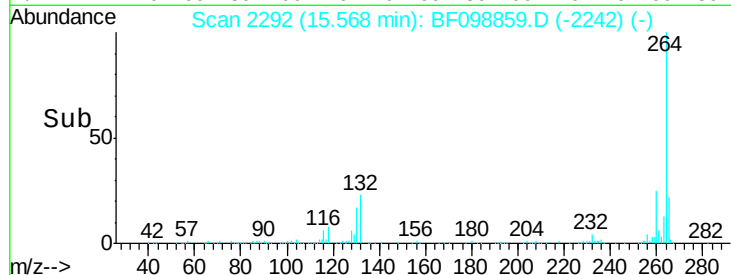
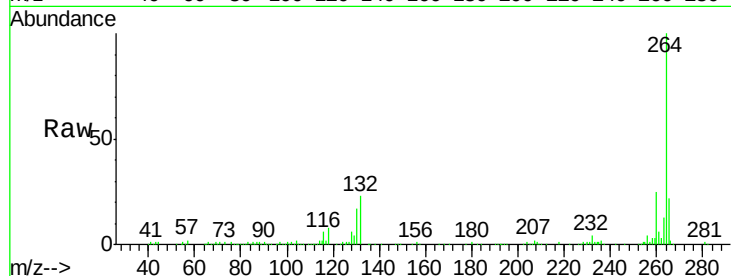
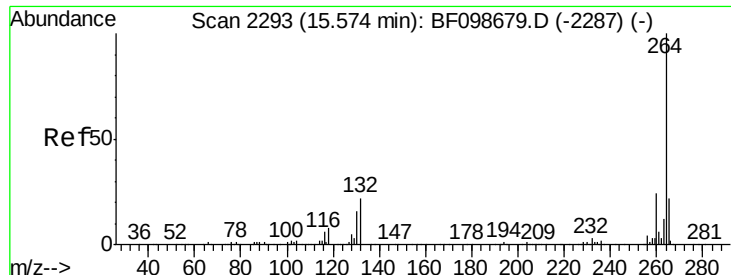


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF098859.D
 Acq: 27 Sep 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	255042
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

