

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098873.D
 Acq On : 27 Sep 2017 20:06
 Operator : SJ/JU
 Sample : I5403-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:53:14 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

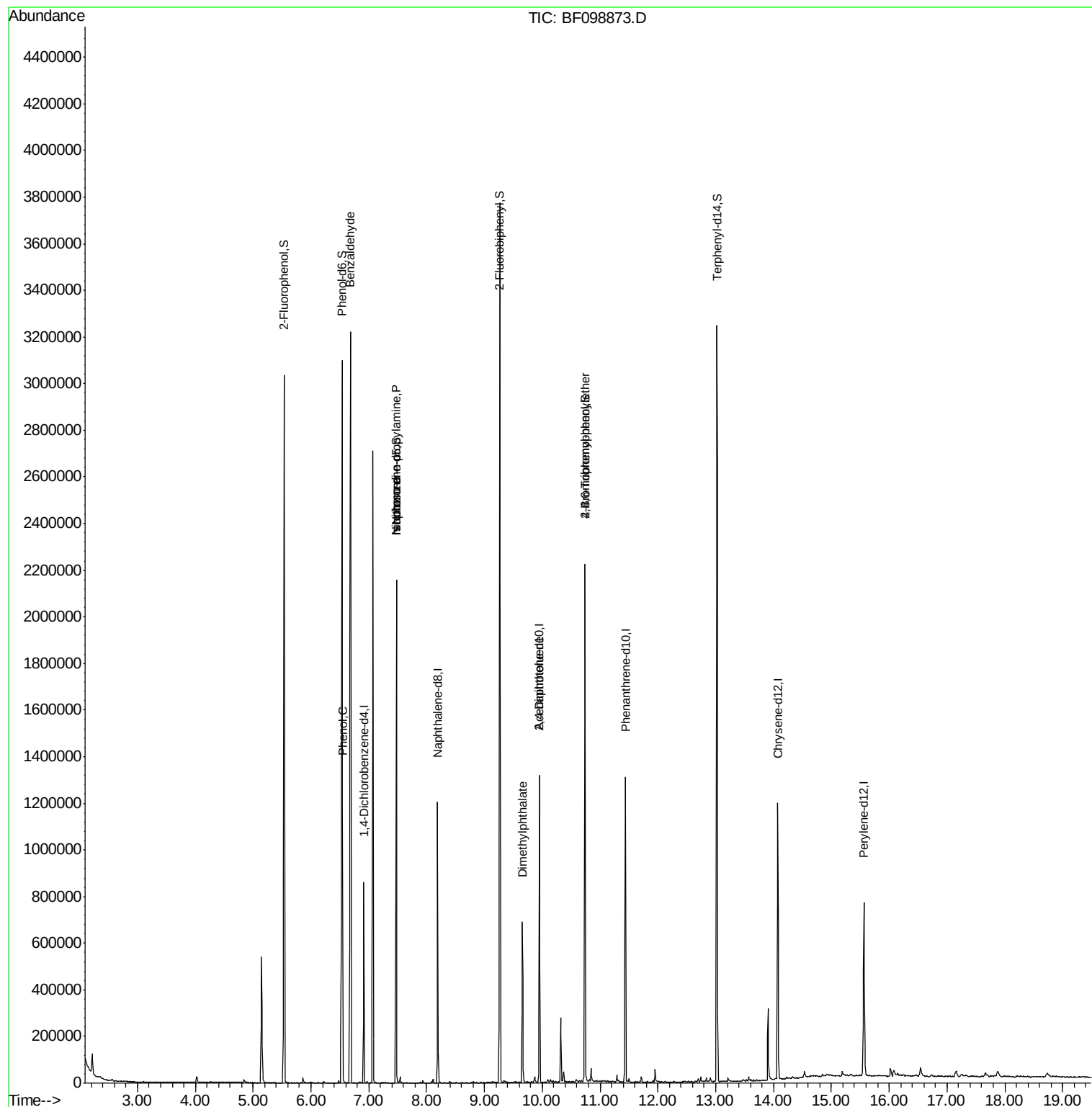
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	125577	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	519312	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	243085	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	449509	20.00	ng	0.00
75) Chrysene-d12	14.07	240	356361	20.00	ng	-0.01
86) Perylene-d12	15.57	264	333180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	983050	124.62	ng	0.00
7) Phenol-d6	6.54	99	1193531	122.65	ng	0.00
23) Nitrobenzene-d5	7.47	82	695223	85.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	260751	131.09	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1193297	81.95	ng	-0.01
78) Terphenyl-d14	13.02	244	1094703	69.86	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	20408	3.62	ng	Qvalue 89
10) Phenol	6.55	94	35256	3.24	ng	93
19) n-Nitroso-di-n-propylamine	7.47	70	90837	14.62	ng	# 75
25) Isophorone	7.47	82	695212	41.52	ng	# 64
49) Dimethylphthalate	9.66	163	249926	13.62	ng	99
56) 2,4-Dinitrotoluene	9.95	165	30775	5.94	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	17582	4.00	ng	# 1

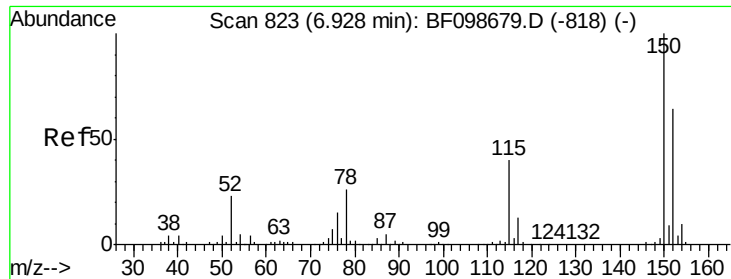
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Instrument :

BNA_F

ClientSampleId :

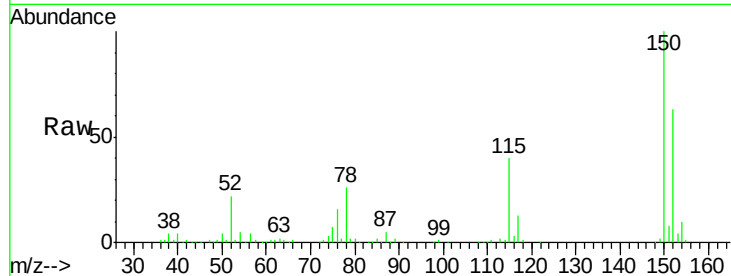
Tot Ion:152 Resp: 125577

Ion Ratio Lower Upper

152 100

150 158.9 124.6 186.8

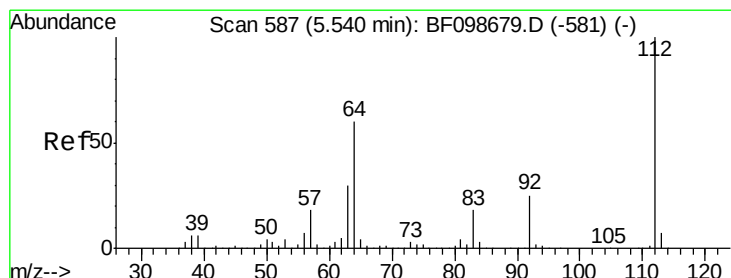
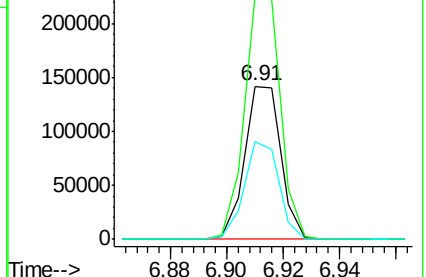
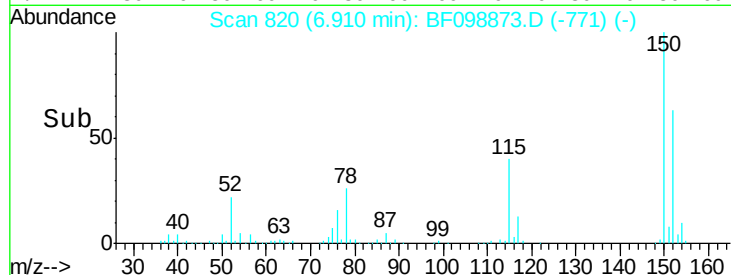
115 64.1 50.1 75.1



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: 124.62 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

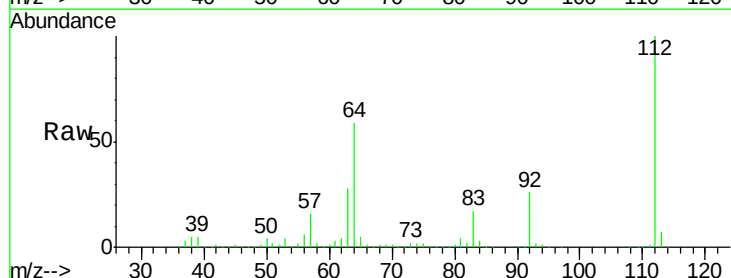
Tgt Ion:112 Resp: 983050

Ion Ratio Lower Upper

112 100

64 58.6 47.9 71.9

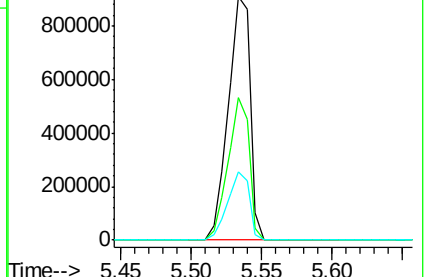
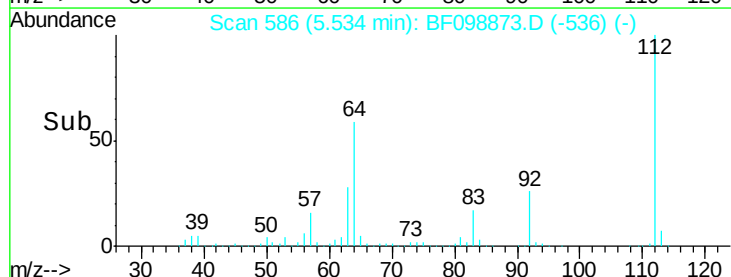
63 28.2 23.7 35.5

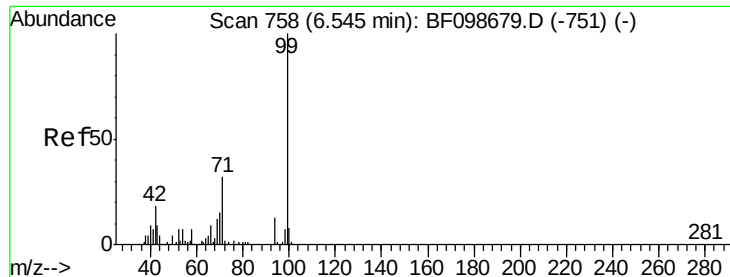


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.65 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Instrument :

BNA_F

ClientSampled :

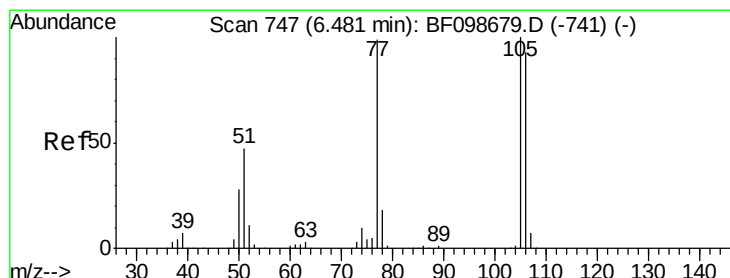
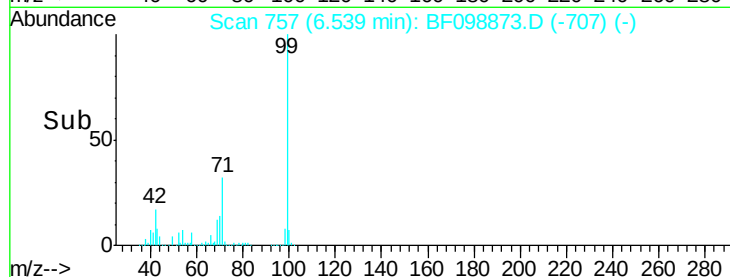
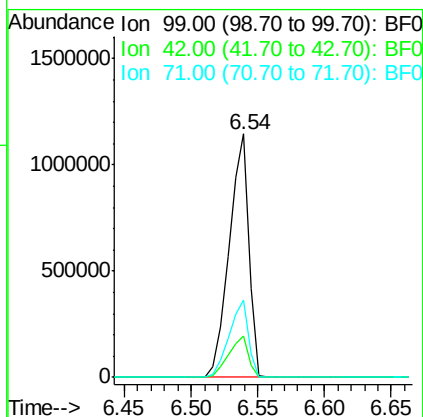
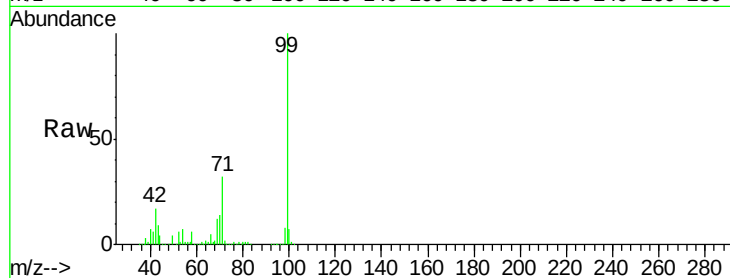
Tot Ion: 99 Resp: 1193531

Ion Ratio Lower Upper

99 100

42 16.7 14.5 21.7

71 31.6 25.4 38.0



#9

Benzaldehyde

Concen: 3.62 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.21 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

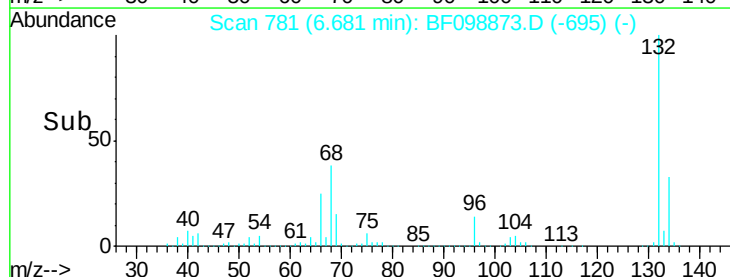
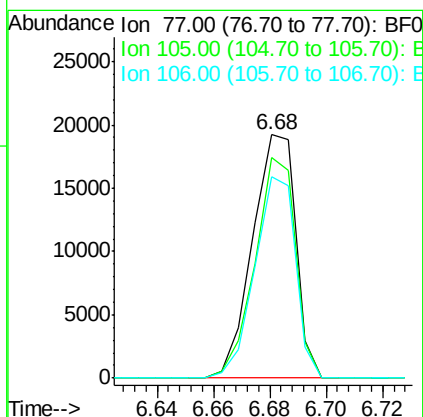
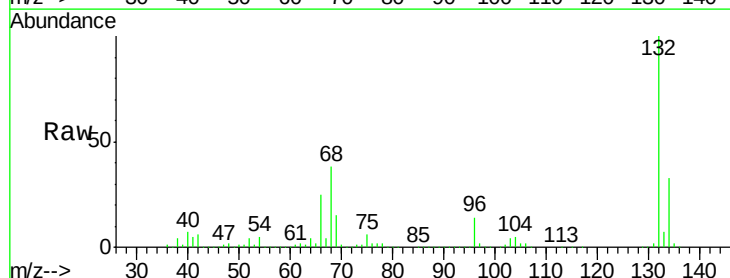
Tgt Ion: 77 Resp: 20408

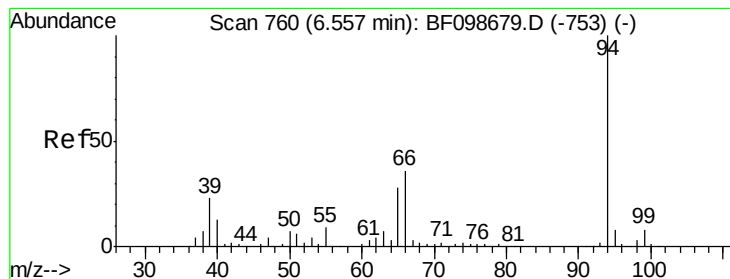
Ion Ratio Lower Upper

77 100

105 90.8 81.1 121.1

106 82.9 74.5 114.5





#10

Phenol

Concen: 3.24 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Instrument :

BNA_F

ClientSampleId :

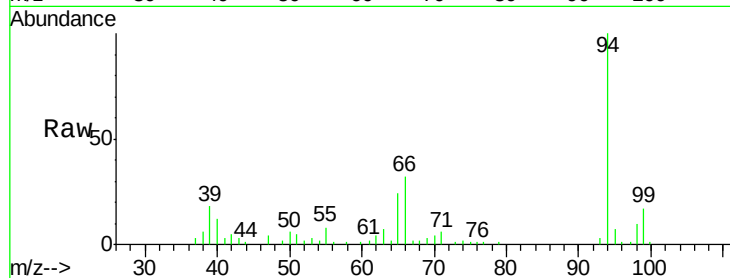
Tot Ion: 94 Resp: 35256

Ion Ratio Lower Upper

94 100

65 23.9 7.9 47.9

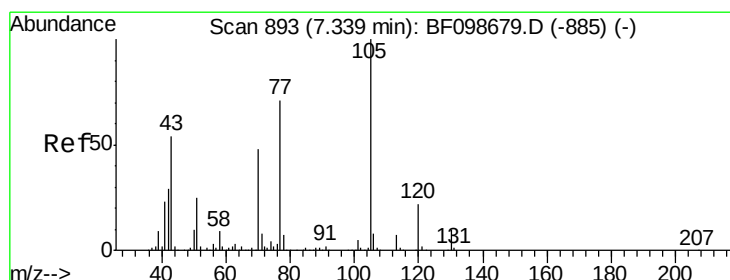
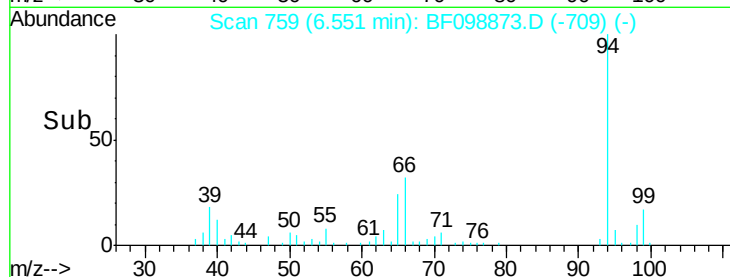
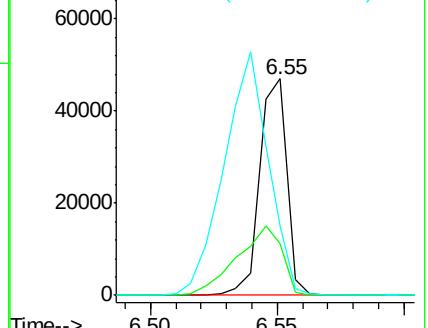
66 31.8 16.2 56.2



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: 14.62 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Tgt Ion: 70 Resp: 90837

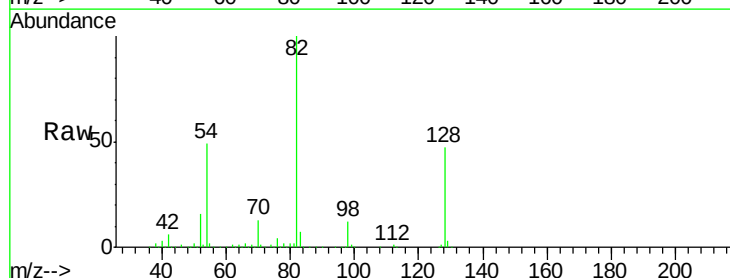
Ion Ratio Lower Upper

70 100

42 44.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

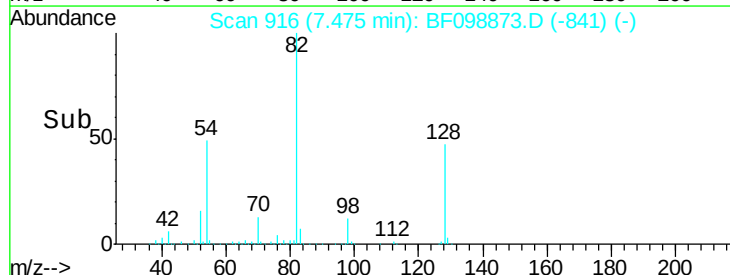
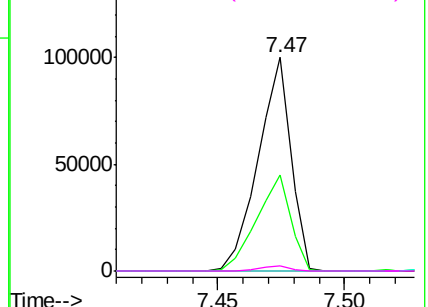


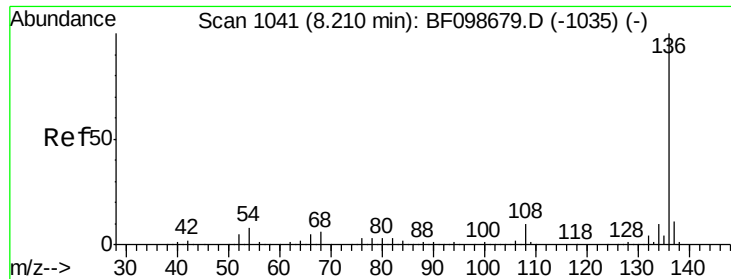
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

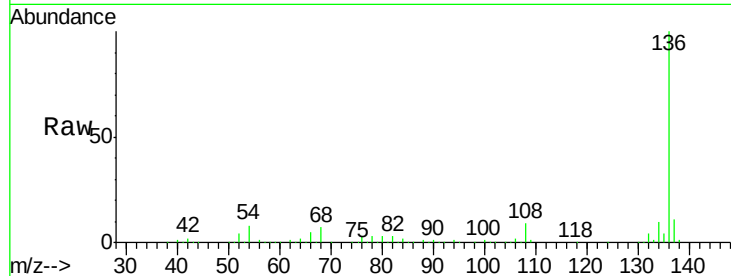




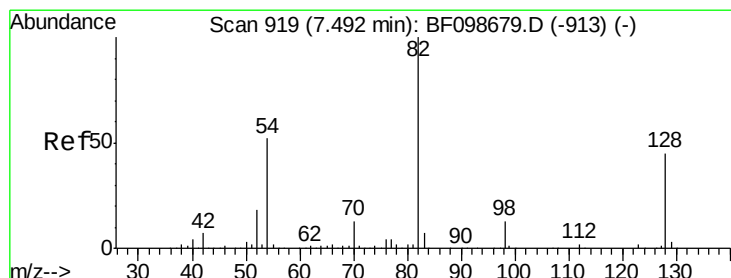
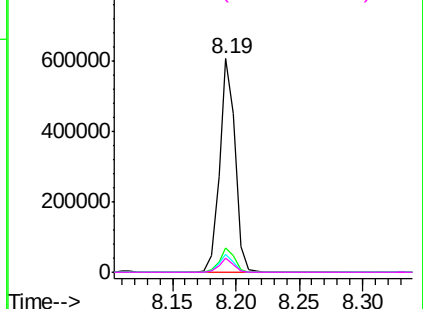
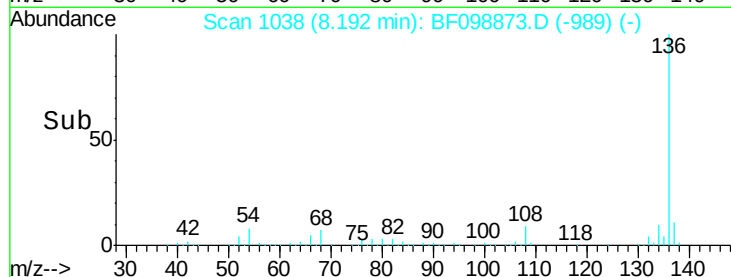
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF098873.D
Acq: 27 Sep 2017 20:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	519312
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.3	6.6 9.8
68	6.6	5.0 7.4

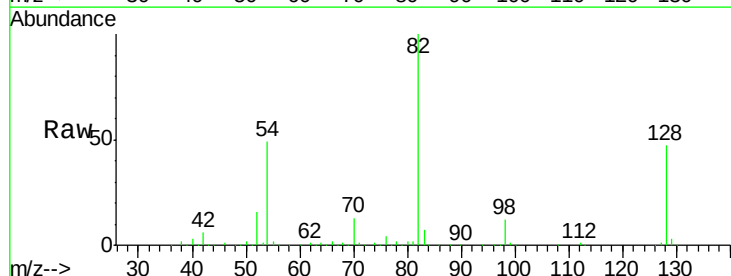


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

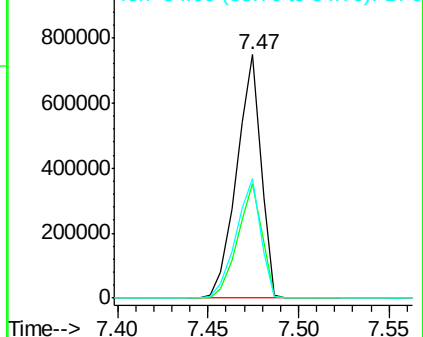
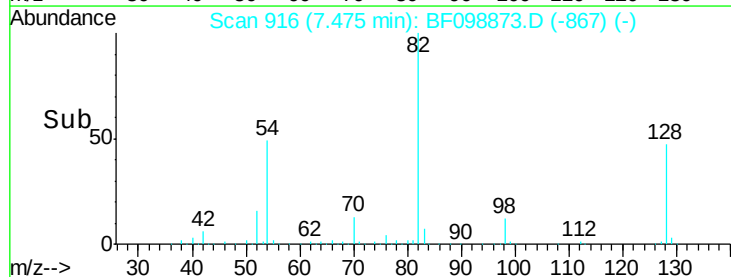


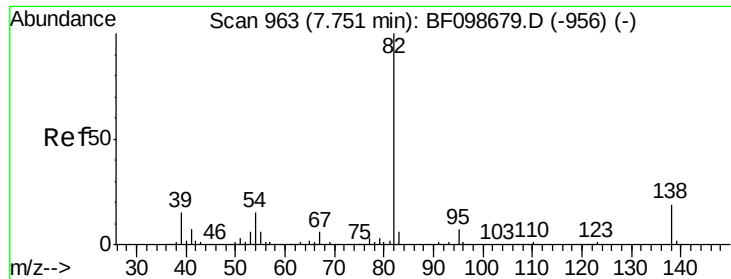
#23
Nitrobenzene-d5
Concen: 85.85 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098873.D
Acq: 27 Sep 2017 20:06

Tgt Ion: 82	Resp:	695223
Ion Ratio	Lower	Upper
82	100	
128	47.1	36.1 54.1
54	49.0	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: 41.52 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Instrument :

BNA_F

ClientSampleId :

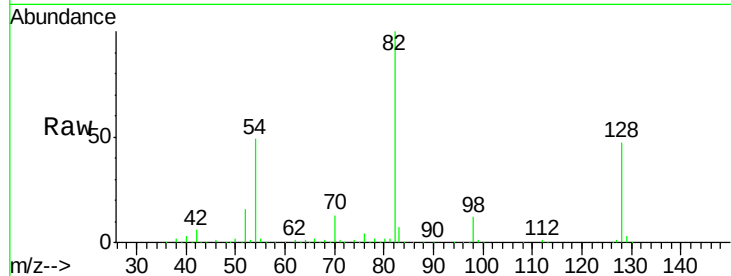
Tot Ion: 82 Resp: 695212

Ion Ratio Lower Upper

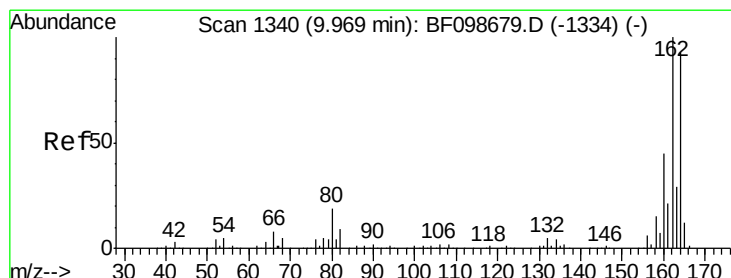
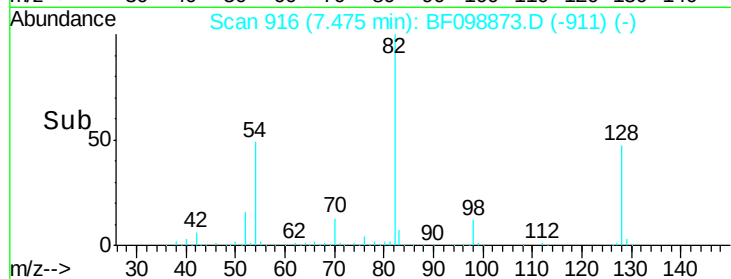
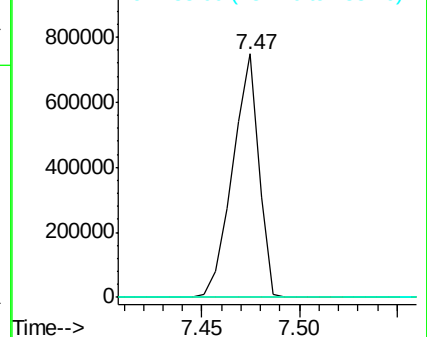
82 100

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: BF098873.D

Acq: 27 Sep 2017 20:06

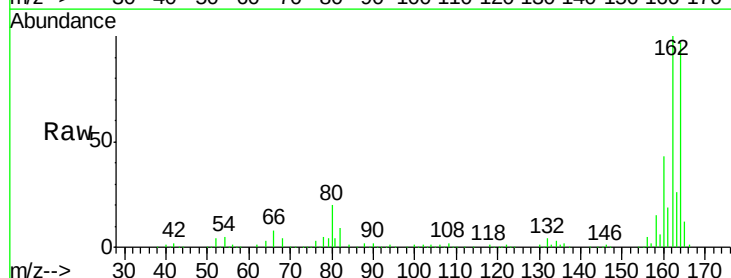
Tgt Ion: 164 Resp: 243085

Ion Ratio Lower Upper

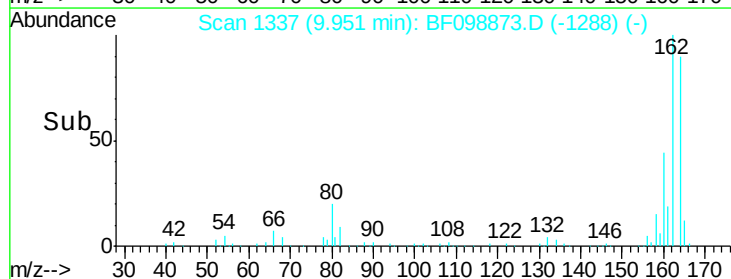
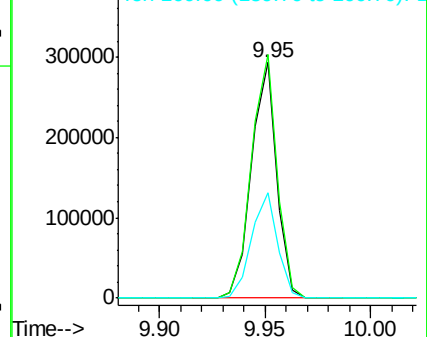
164 100

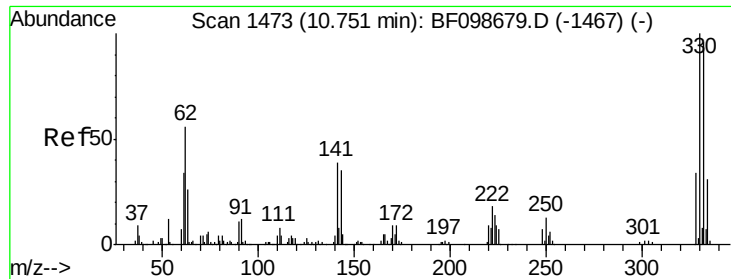
162 103.4 86.1 129.1

160 44.8 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: 131.09 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Instrument :

BNA_F

ClientSampleId :

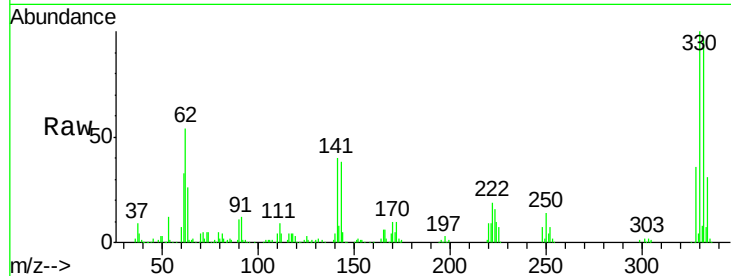
Tot Ion:330 Resp: 260751

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

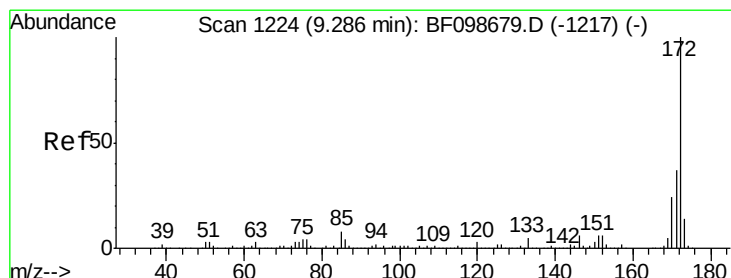
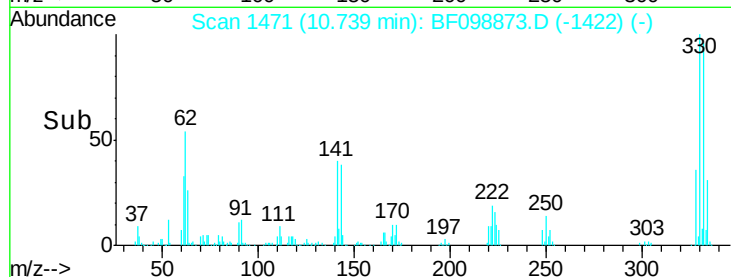
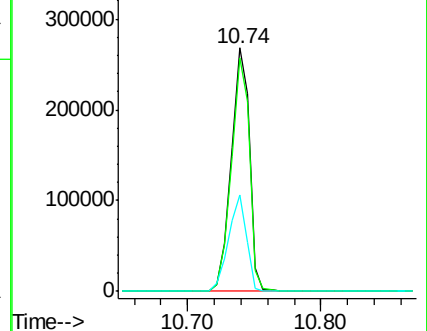
141 39.2 29.9 44.9



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: 81.95 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

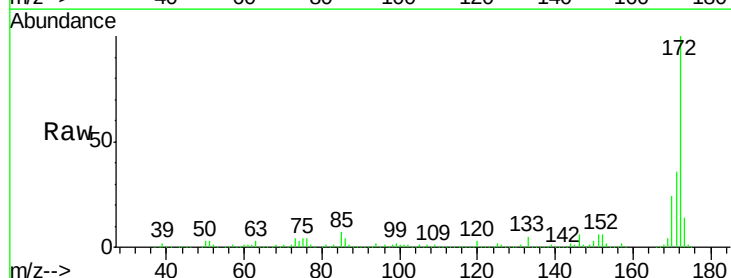
Tgt Ion:172 Resp: 1193297

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

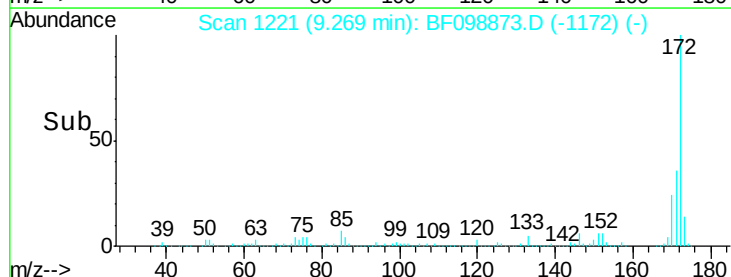
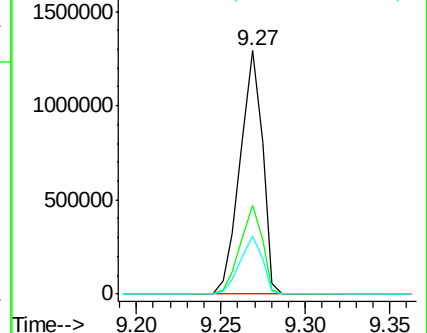
170 23.9 19.6 29.4

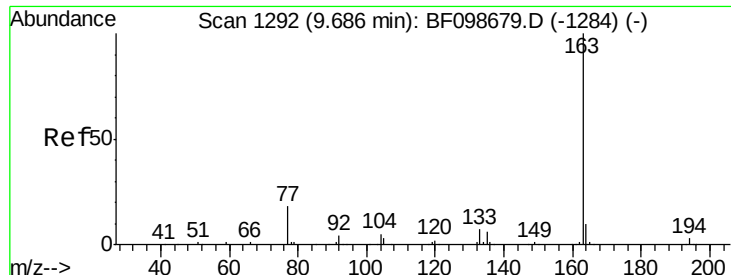


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

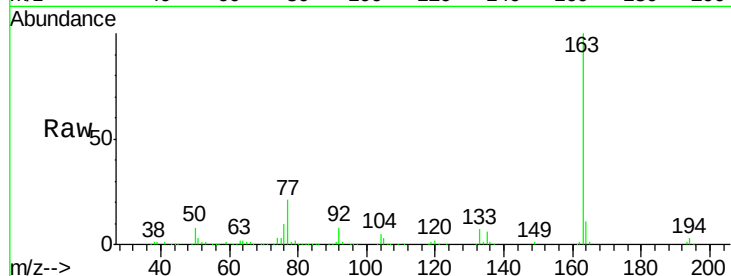




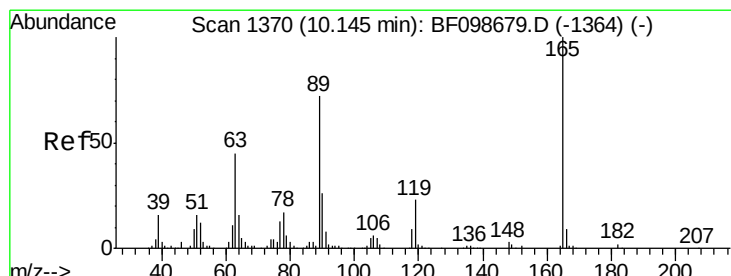
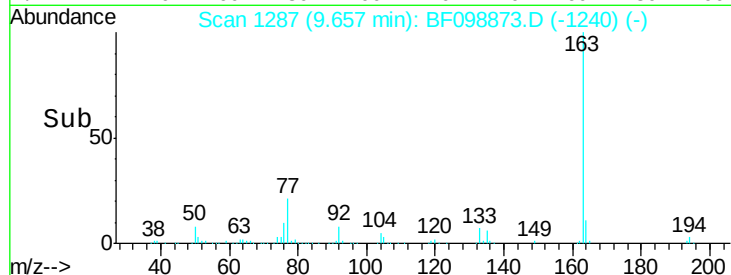
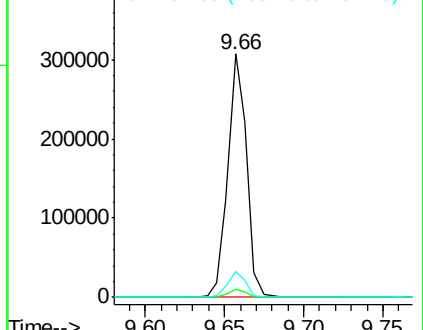
#49
Dimethylphthalate
Concen: 13.62 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098873.D
Acq: 27 Sep 2017 20:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 249926
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.9 8.2 12.2

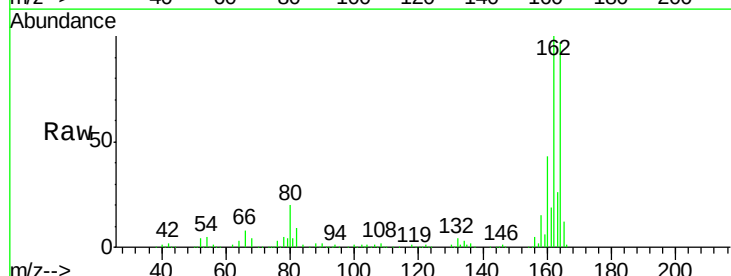


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

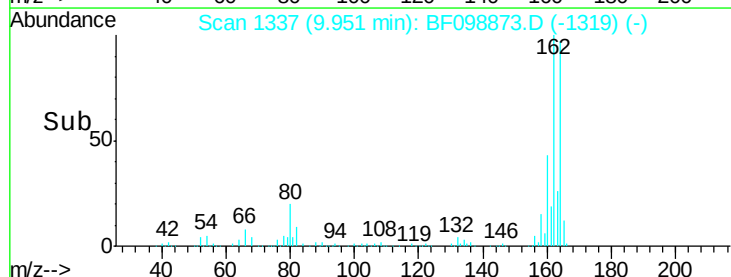
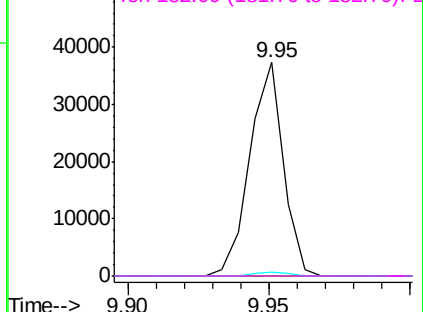


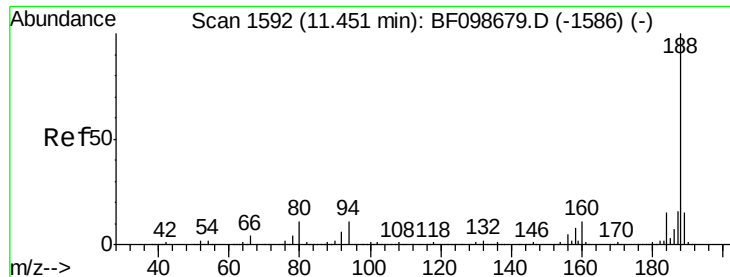
#56
2,4-Dinitrotoluene
Concen: 5.94 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.19 min
Lab File: BF098873.D
Acq: 27 Sep 2017 20:06

Tgt Ion:165 Resp: 30775
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.6 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

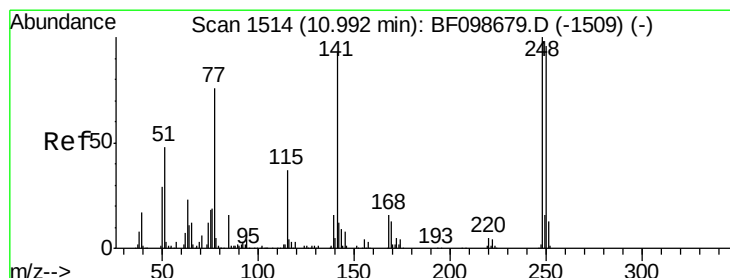
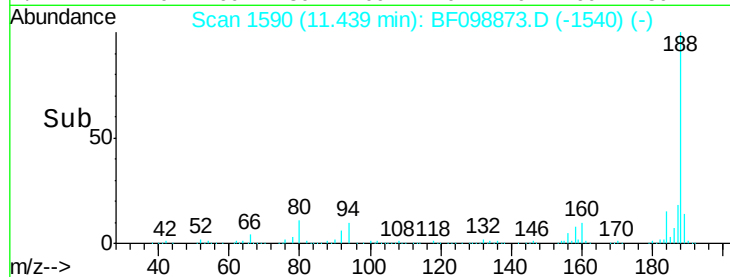
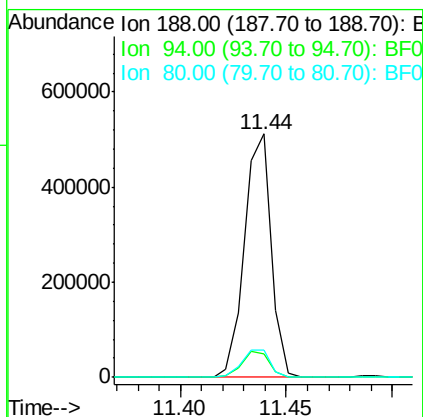
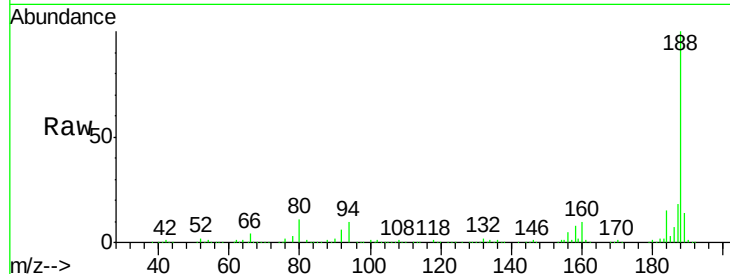




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098873.D
 Acq: 27 Sep 2017 20:06

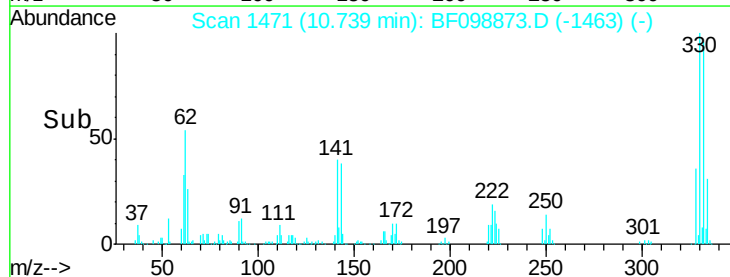
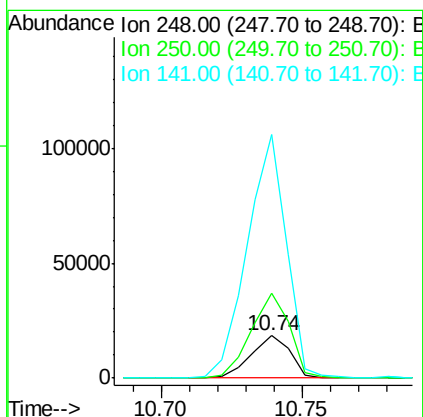
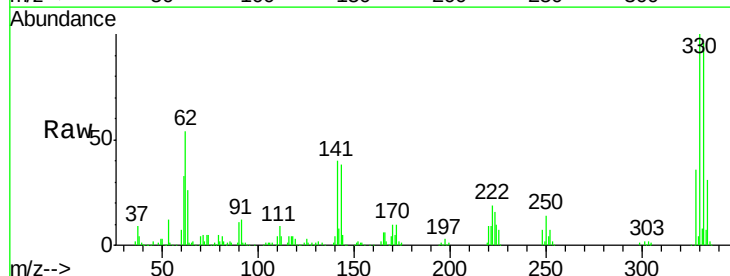
Instrument :
 BNA_F
 ClientSampleId :

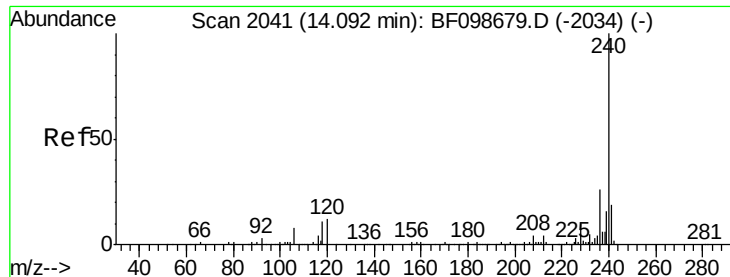
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	11.2	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.00 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.25 min
 Lab File: BF098873.D
 Acq: 27 Sep 2017 20:06

Tgt Ion	Ratio	Lower	Upper
248	100		
250	202.7	76.9	115.3#
141	577.3	74.4	111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

Instrument :

BNA_F

ClientSampleId :

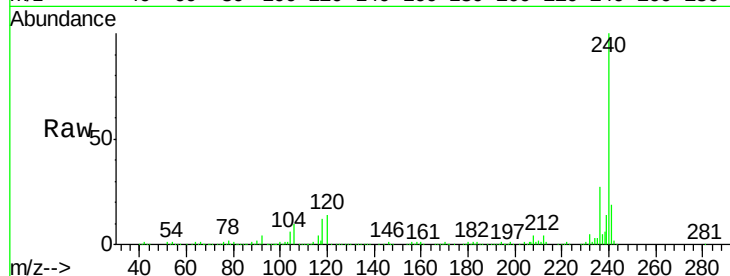
Tot Ion:240 Resp: 356361

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

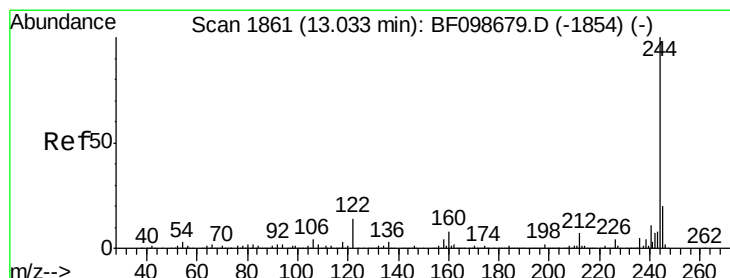
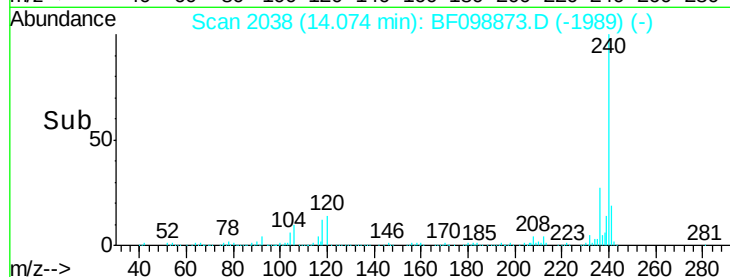
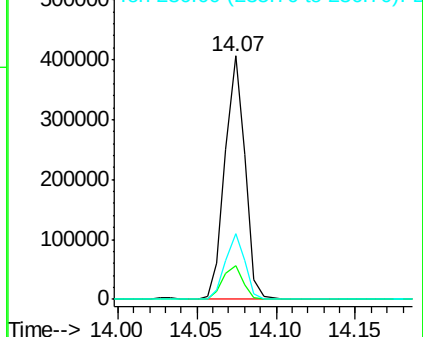
236 27.0 20.7 31.1



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: 69.86 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098873.D

Acq: 27 Sep 2017 20:06

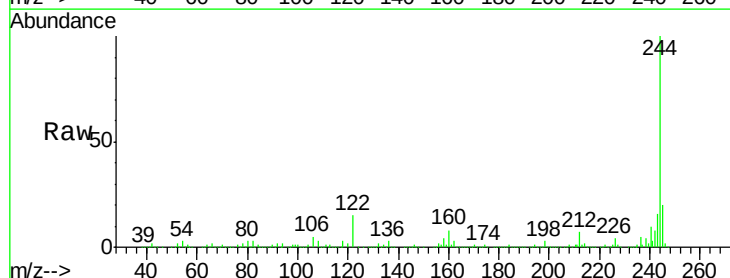
Tgt Ion:244 Resp: 1094703

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

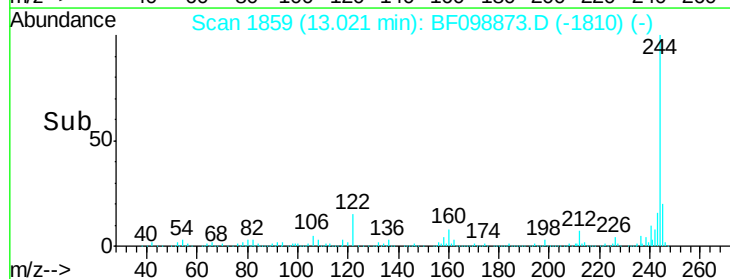
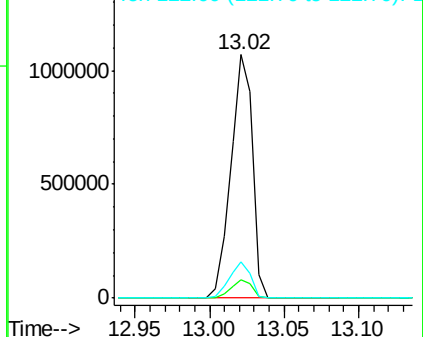
122 14.7 11.0 16.4

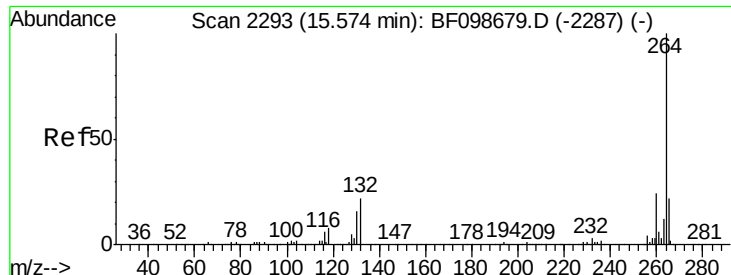


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

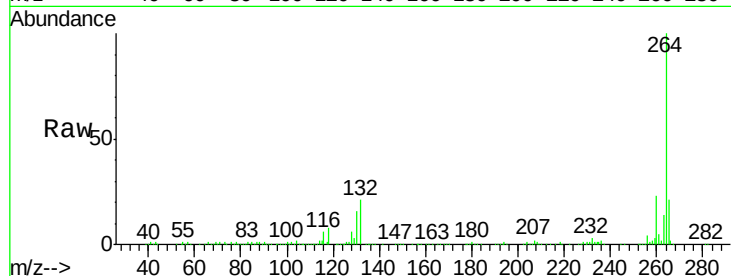




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098873.D
Acq: 27 Sep 2017 20:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.5	26.3



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

