

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099987.D
 Acq On : 31 Oct 2017 4:10
 Operator : SJ/JU
 Sample : I6083-13
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 04:42:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

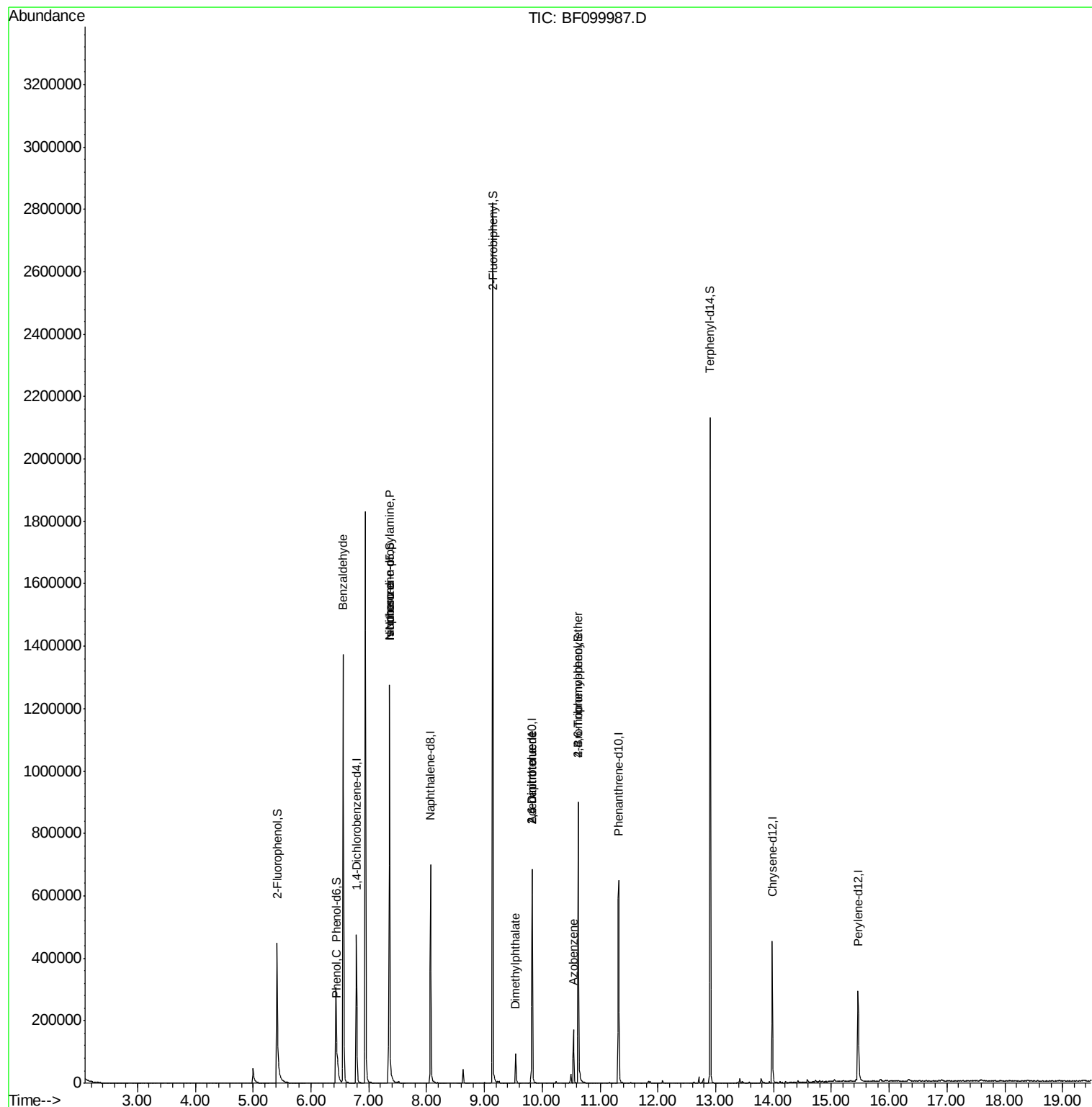
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	79917	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	325550	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	146687	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	255869	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	167390	20.00	ng	-0.02
86) Perylene-d12	15.46	264	145987	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	232488	45.67	ng	0.00
7) Phenol-d6	6.43	99	185028	30.66	ng	0.00
23) Nitrobenzene-d5	7.36	82	456233	90.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	124146	92.87	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	903625	95.04	ng	-0.01
78) Terphenyl-d14	12.90	244	780710	101.93	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	7475	2.073	ng	Qvalue # 81
10) Phenol	6.45	94	22182	3.347	ng	# 87
19) n-Nitroso-di-n-propylamine	7.36	70	56093	15.859	ng	# 72
25) Isophorone	7.36	82	456233	49.722	ng	# 64
49) Dimethylphthalate	9.54	163	47955	4.128	ng	# 99
50) 2,6-Dinitrotoluene	9.82	165	18737	7.673	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	18737	6.371	ng	# 21
62) Azobenzene	10.54	77	28233	2.969	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	8025	2.979	ng	# 1

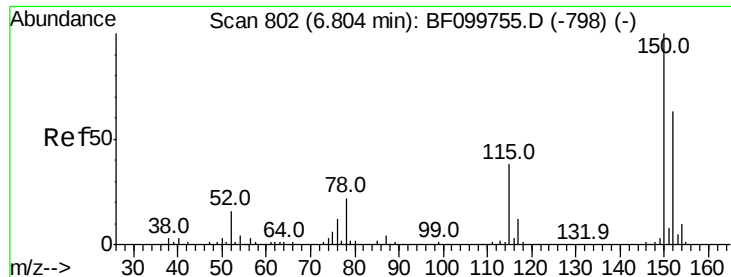
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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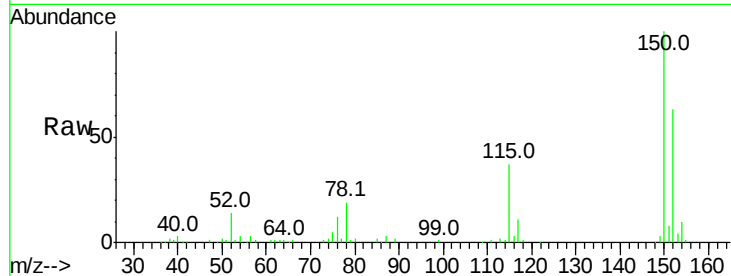


#1

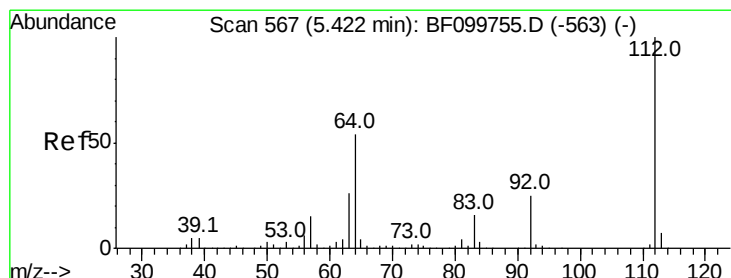
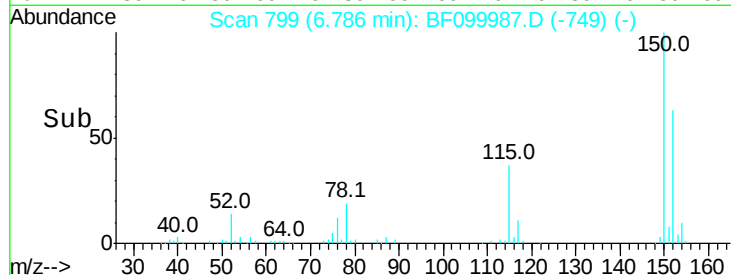
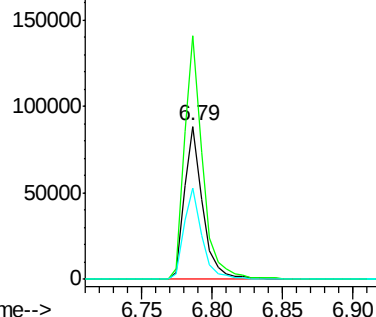
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099987.D
Acq: 31 Oct 2017 4:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79917
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 59.4 50.1 75.1



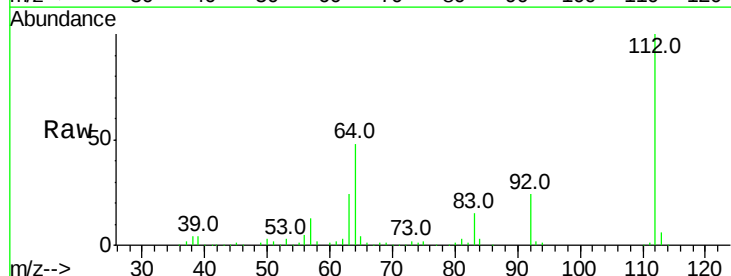
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



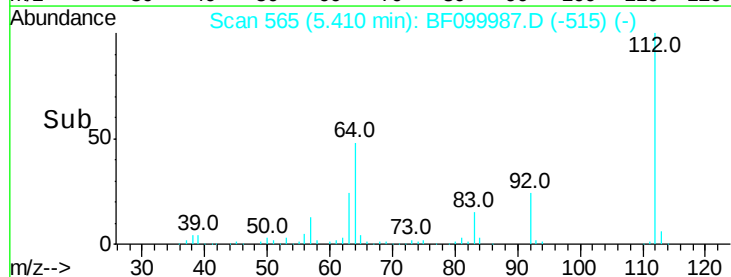
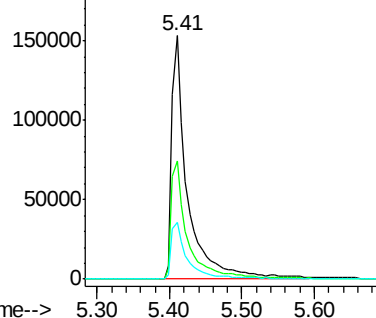
#5

2-Fluorophenol
Concen: 45.672 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099987.D
Acq: 31 Oct 2017 4:10

Tgt Ion:112 Resp: 232488
Ion Ratio Lower Upper
112 100
64 48.4 47.9 71.9
63 23.5 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: 30.655 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099987.D

Acq: 31 Oct 2017 4:10

Instrument :

BNA_F

ClientSampleId :

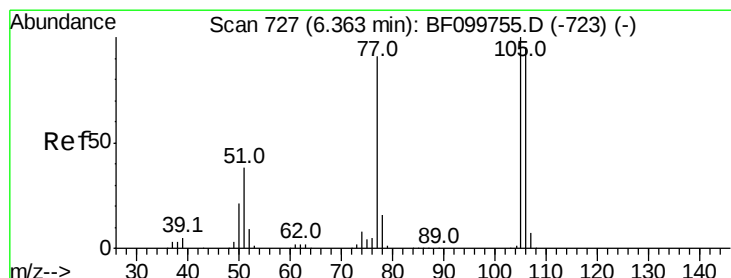
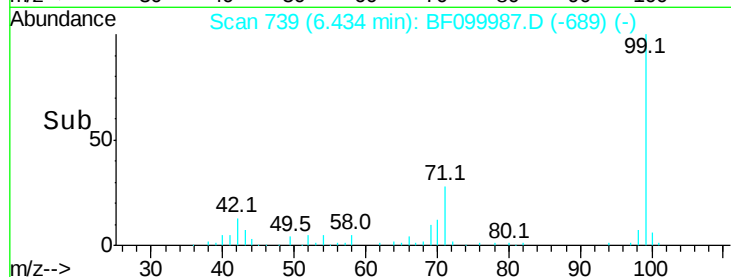
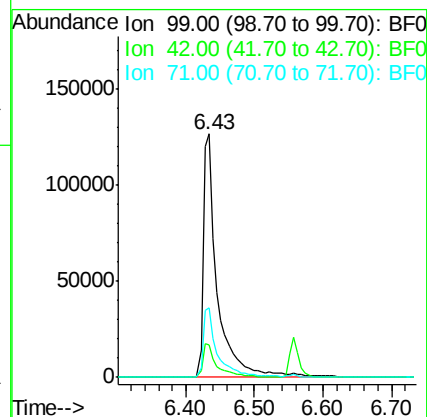
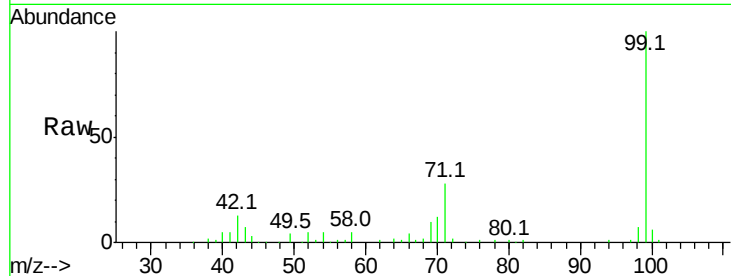
Tot Ion: 99 Resp: 185028

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

71 28.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.073 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.20 min

Lab File: BF099987.D

Acq: 31 Oct 2017 4:10

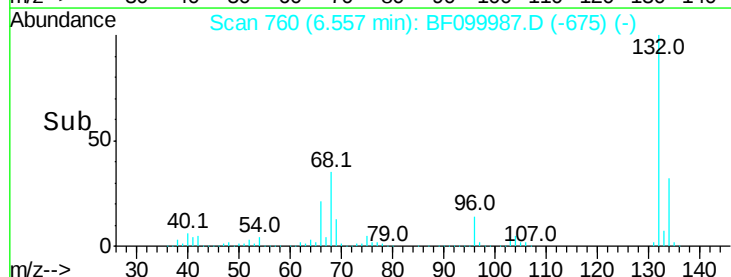
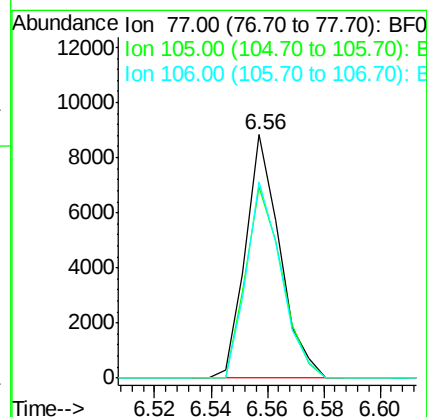
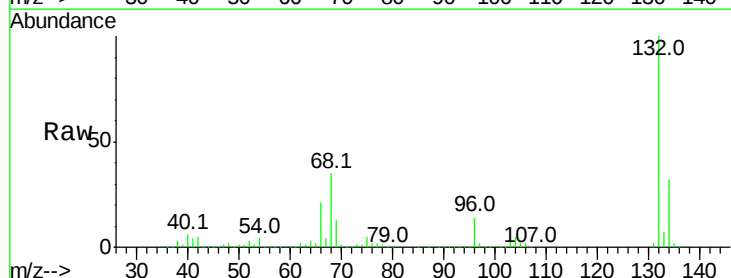
Tgt Ion: 77 Resp: 7475

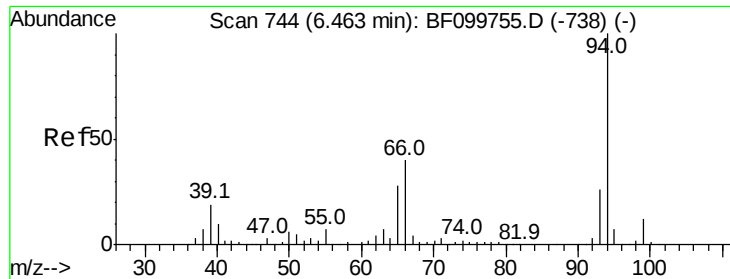
Ion Ratio Lower Upper

77 100

105 78.6 81.1 121.1#

106 80.5 74.5 114.5

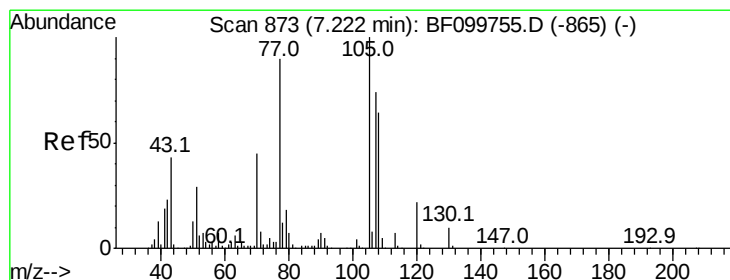
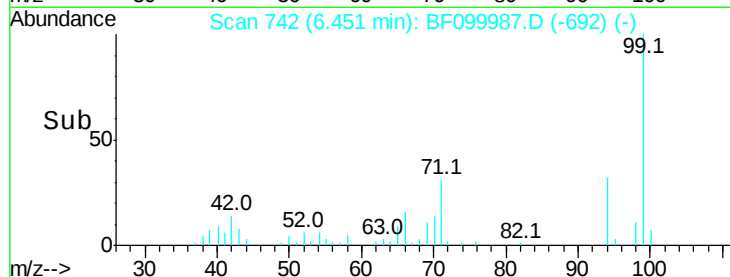
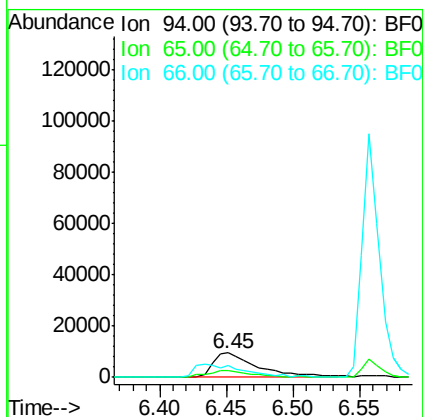
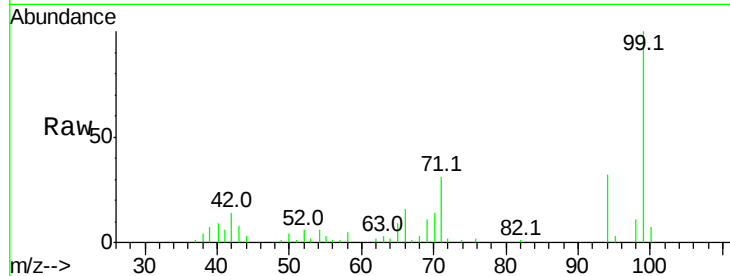




#10
Phenol
Concen: 3.347 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF099987.D
Acq: 31 Oct 2017 4:10

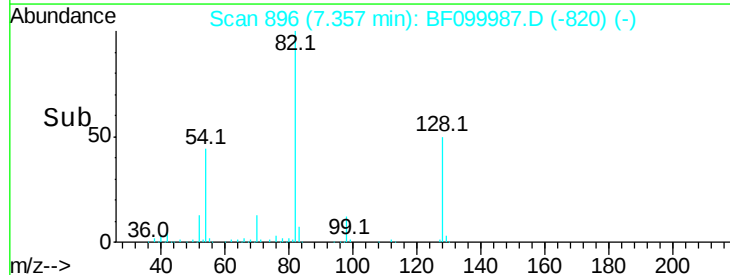
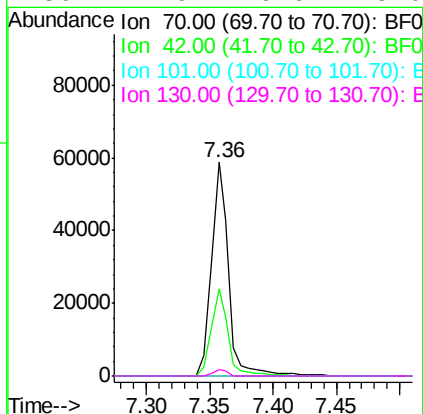
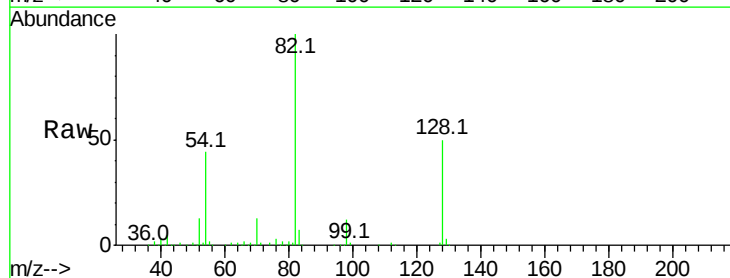
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 22182
Ion Ratio Lower Upper
94 100
65 27.2 7.9 47.9
66 49.6 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.859 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.15 min
Lab File: BF099987.D
Acq: 31 Oct 2017 4:10

Tgt Ion: 70 Resp: 56093
Ion Ratio Lower Upper
70 100
42 40.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.9 16.6 25.0#

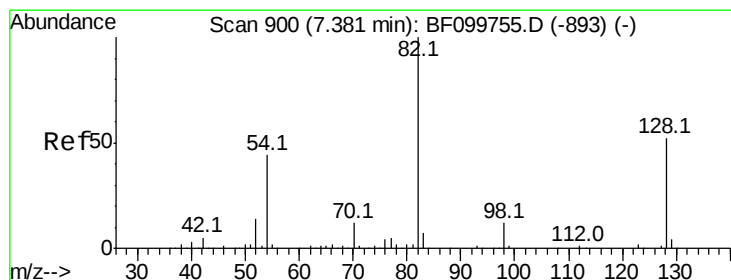
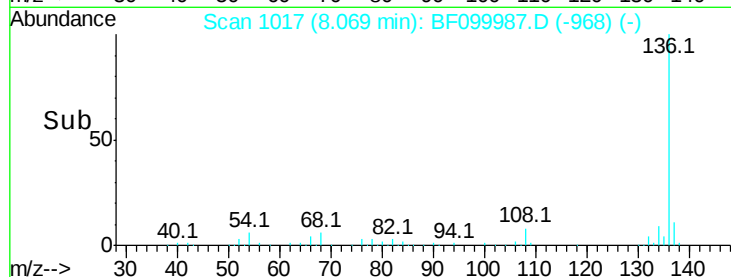
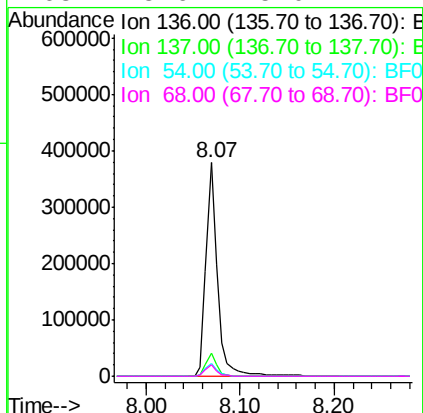
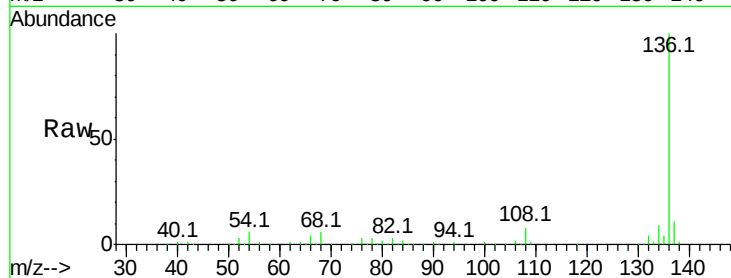




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099987.D
Acq: 31 Oct 2017 4:10

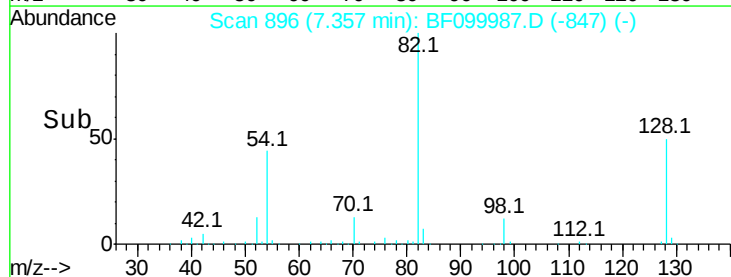
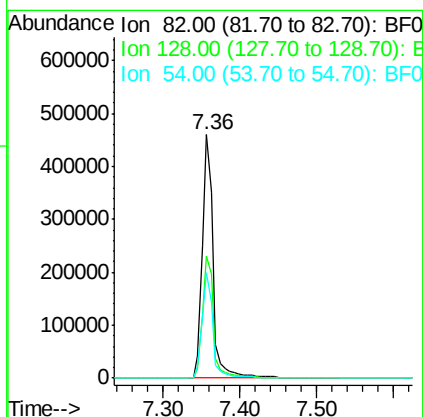
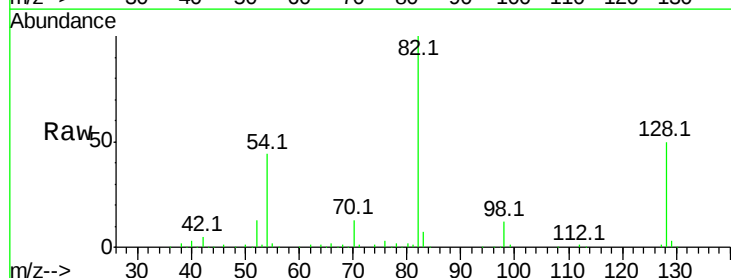
Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	325550
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.2	6.6	9.8#
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 90.224 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099987.D
Acq: 31 Oct 2017 4:10

Tgt Ion:	82	Resp:	456233
Ion	Ratio	Lower	Upper
82	100		
128	50.2	36.1	54.1
54	43.5	41.4	62.2





#25

Isophorone

Concen: 49.722 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099987.D

Acq: 31 Oct 2017 4:10

Instrument :

BNA_F

ClientSampleId :

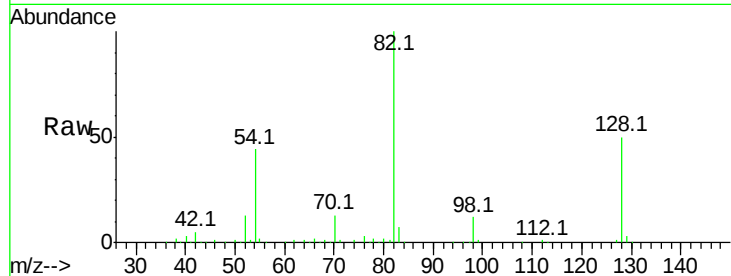
Tot Ion: 82 Resp: 456233

Ion Ratio Lower Upper

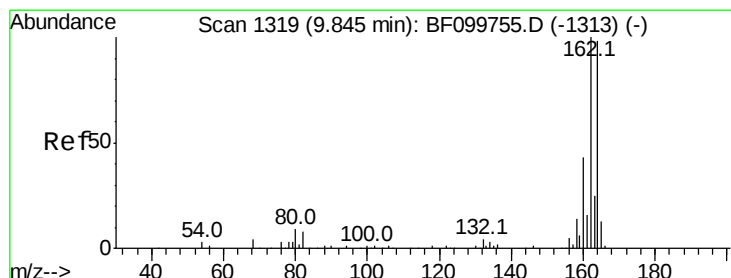
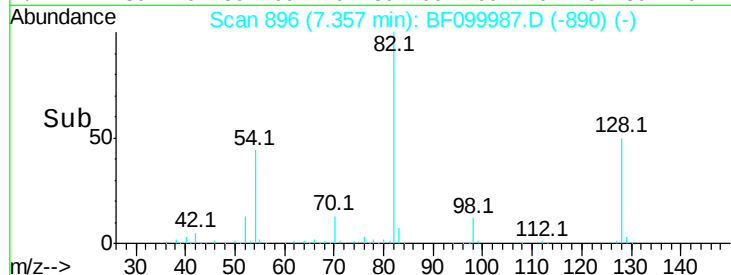
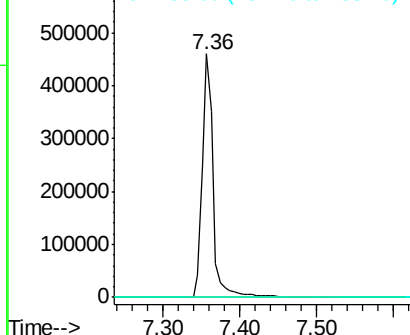
82 100

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: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099987.D

Acq: 31 Oct 2017 4:10

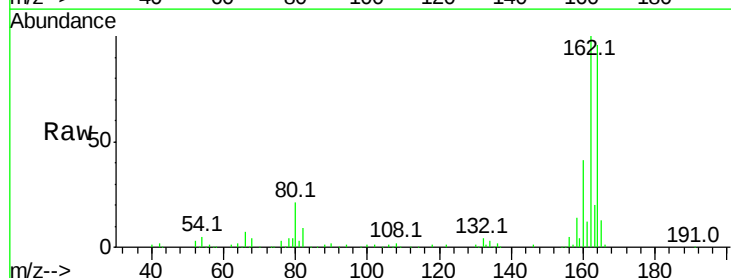
Tgt Ion:164 Resp: 146687

Ion Ratio Lower Upper

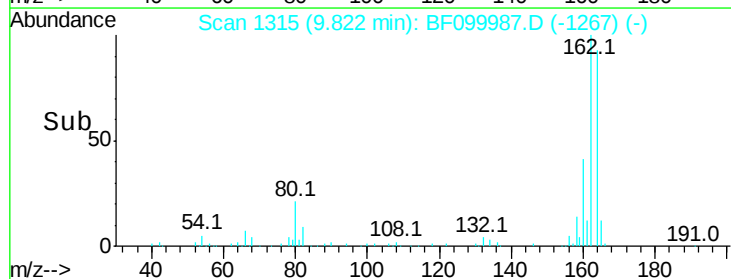
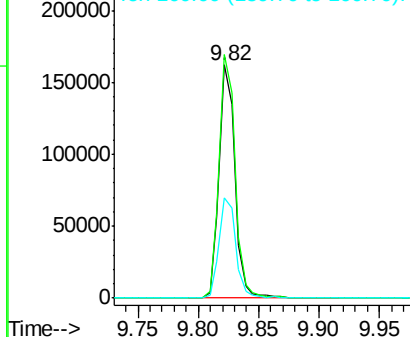
164 100

162 104.5 86.1 129.1

160 43.2 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

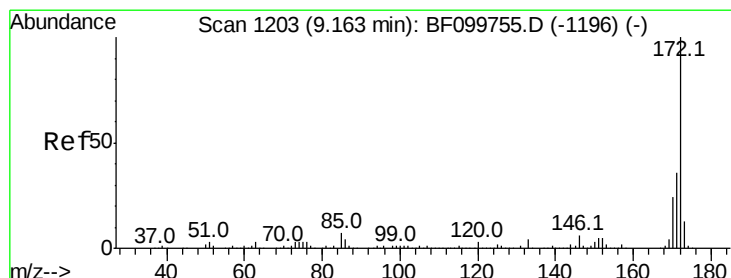
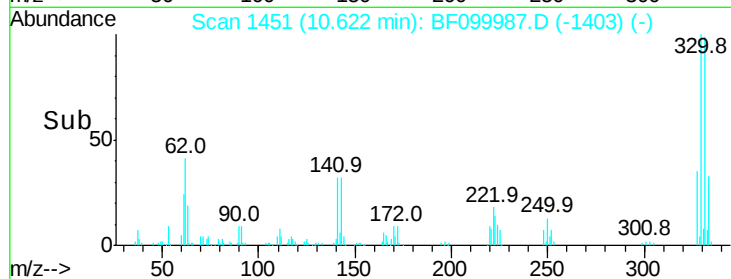
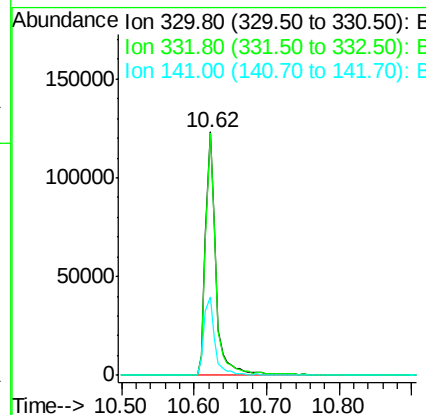
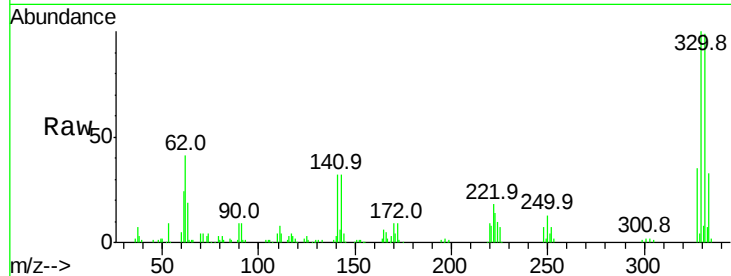




#41
 2,4,6-Tribromophenol
 Concen: 92.869 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

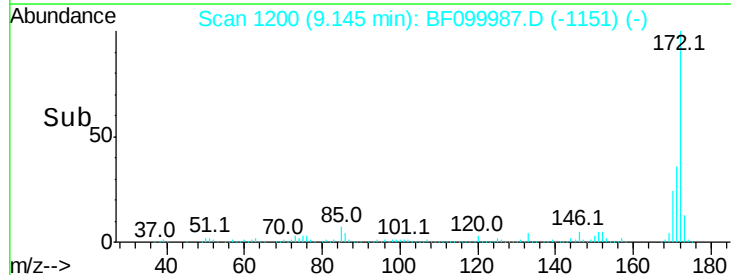
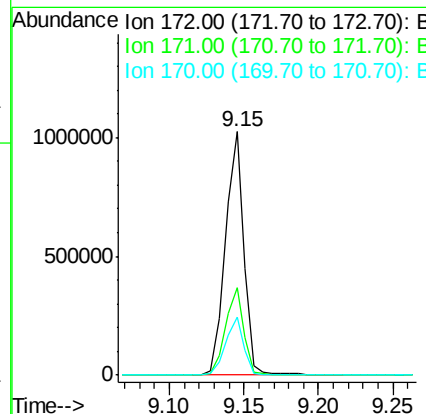
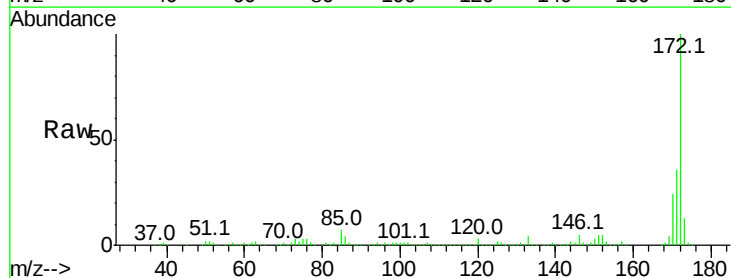
Instrument :
 BNA_F
 ClientSampleId :

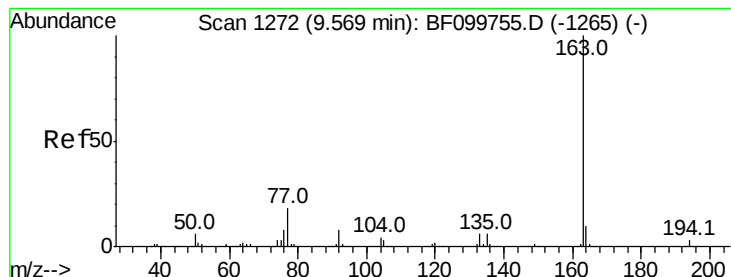
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	33.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 95.042 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4





#49

Dimethylphthalate

Concen: 4.128 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF099987.D

Acq: 31 Oct 2017 4:10

Instrument :

BNA_F

ClientSampleId :

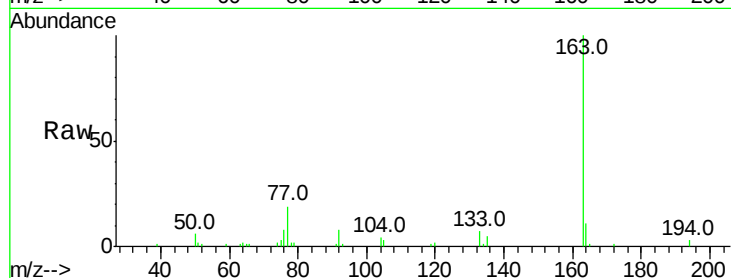
Tot Ion:163 Resp: 47955

Ion Ratio Lower Upper

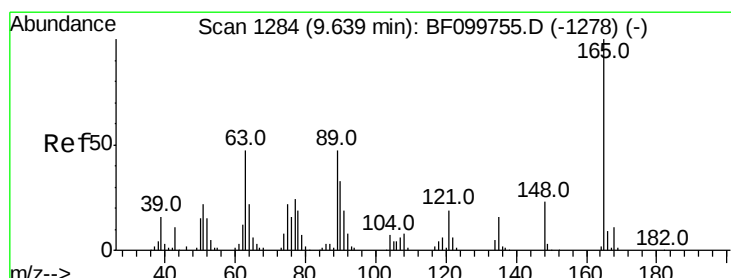
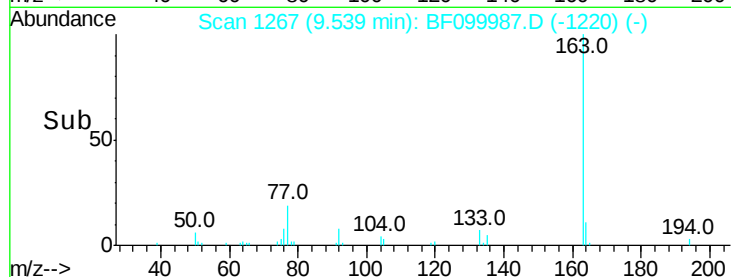
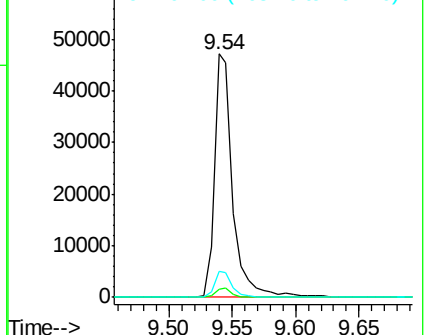
163 100

194 3.3 2.7 4.1

164 10.7 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



#50

2,6-Dinitrotoluene

Concen: 7.673 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.18 min

Lab File: BF099987.D

Acq: 31 Oct 2017 4:10

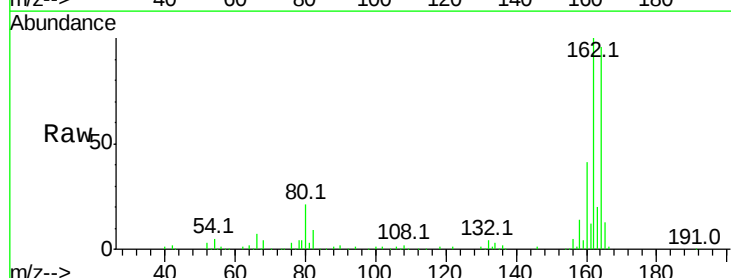
Tgt Ion:165 Resp: 18737

Ion Ratio Lower Upper

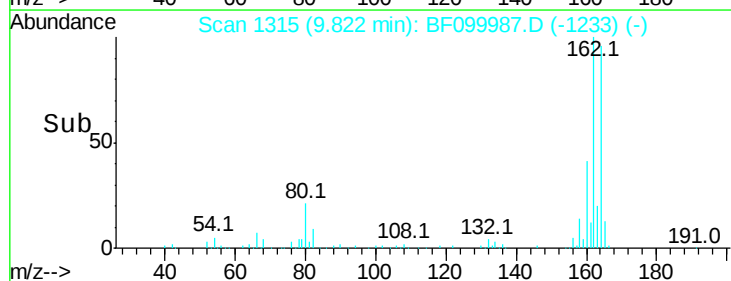
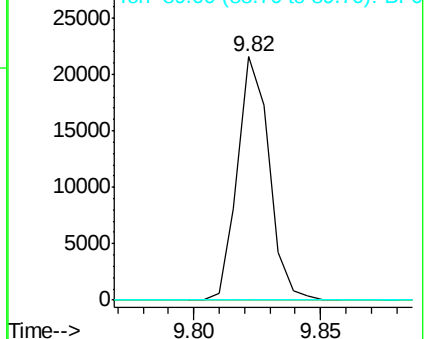
165 100

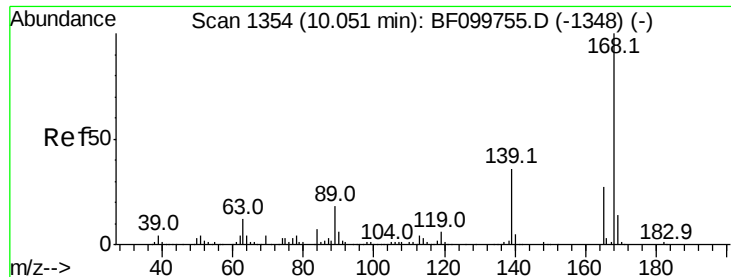
63 0.0 44.7 67.1#

89 0.0 44.0 66.0#



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

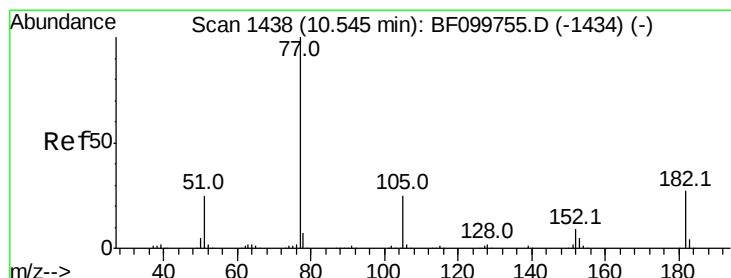
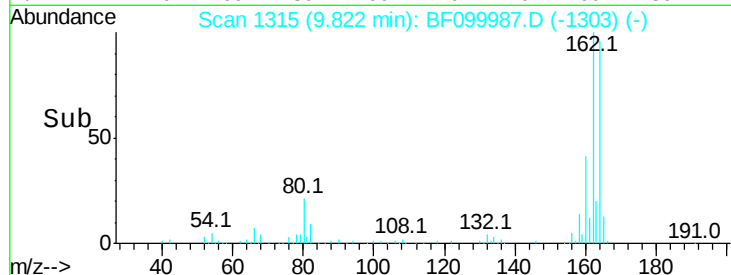
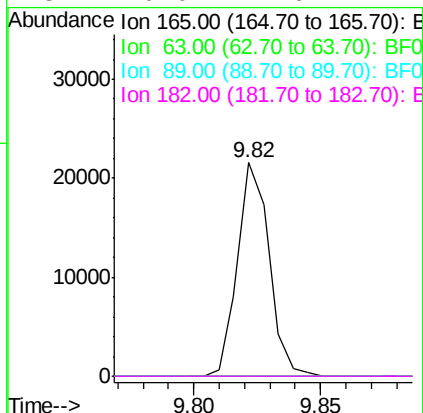
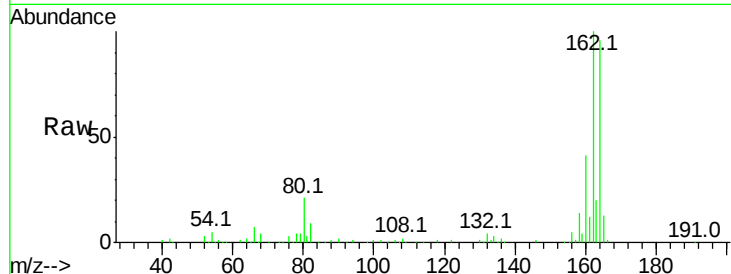




#56
 2,4-Dinitrotoluene
 Concen: 6.371 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

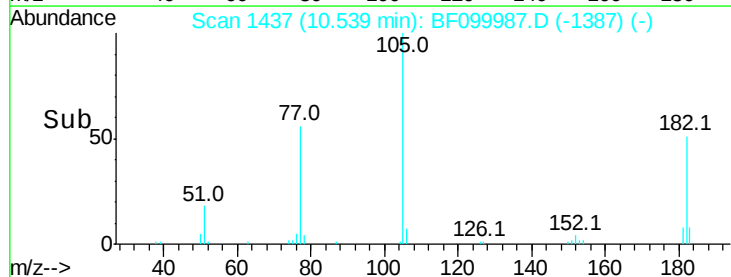
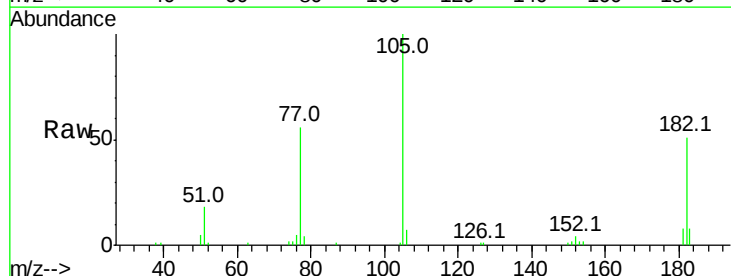
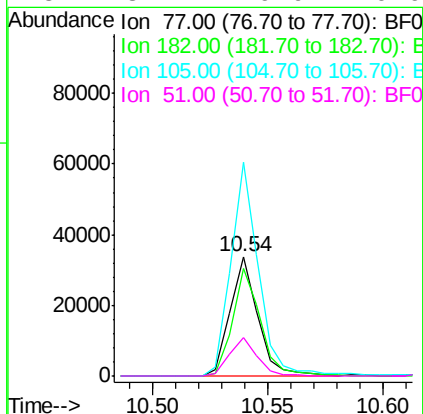
Instrument :
 BNA_F
 ClientSampleId :

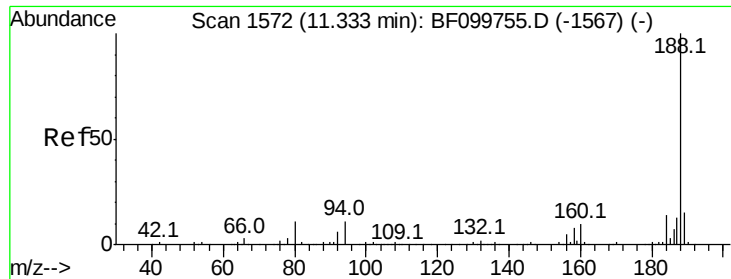
Tot Ion:165 Resp: 18737
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#



#62
 Azobenzene
 Concen: 2.969 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

Tgt Ion: 77 Resp: 28233
 Ion Ratio Lower Upper
 77 100
 182 90.5 1.7 41.7#
 105 179.2 3.0 43.0#
 51 32.1 9.9 49.9

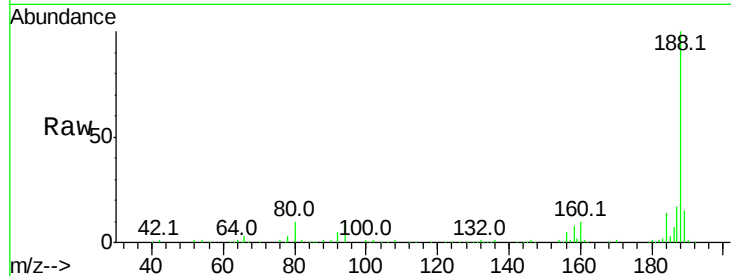




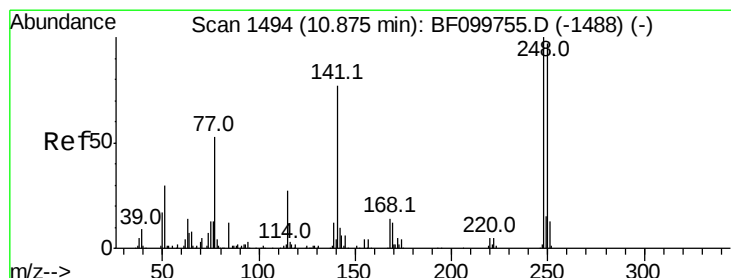
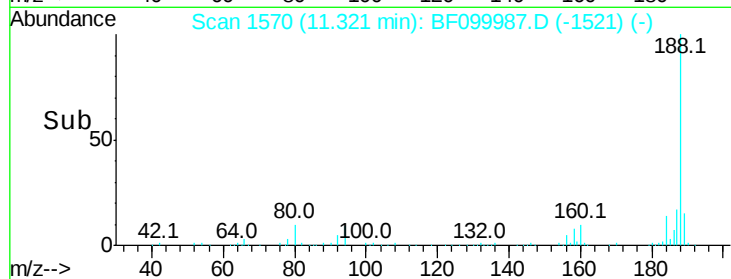
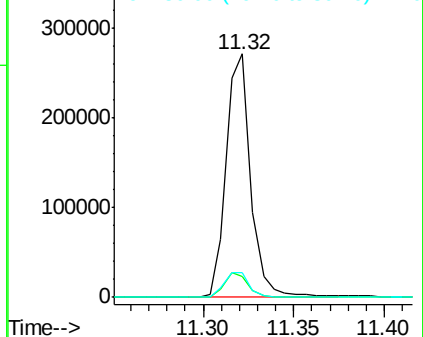
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.9	9.2	13.8

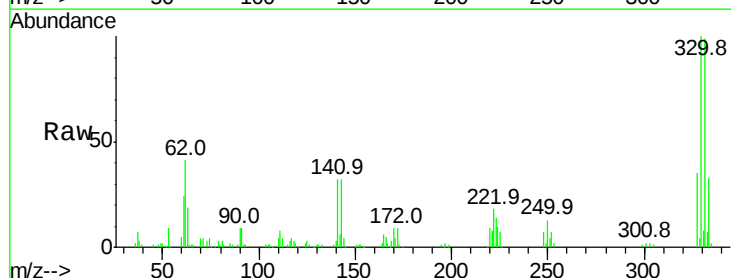


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

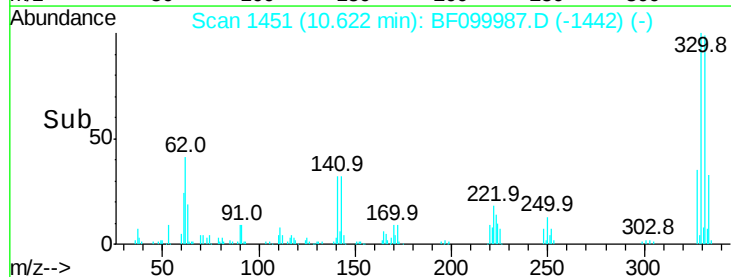
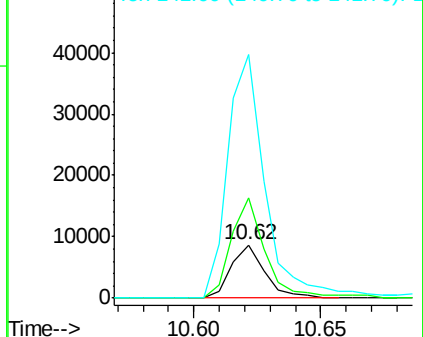


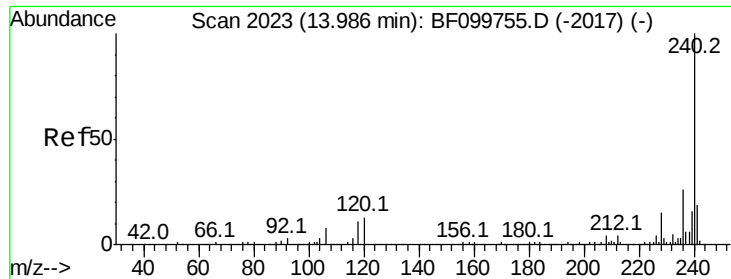
#66
 4-Bromophenyl-phenylether
 Concen: 2.979 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

Tgt Ion	Ratio	Lower	Upper
248	100		
250	189.2	76.9	115.3#
141	456.6	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

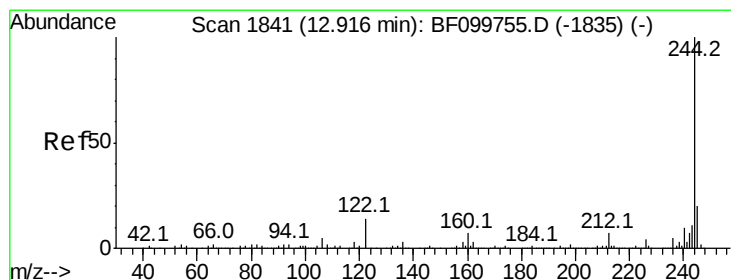
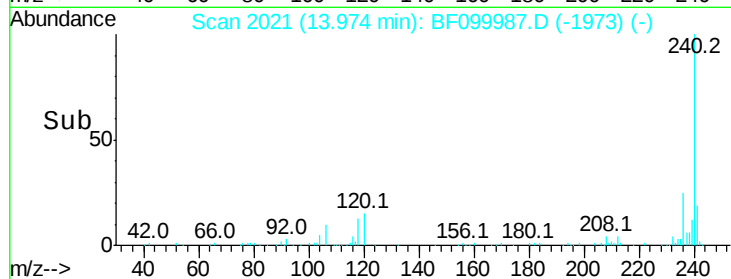
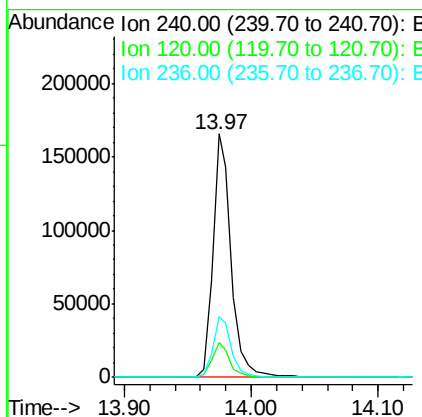
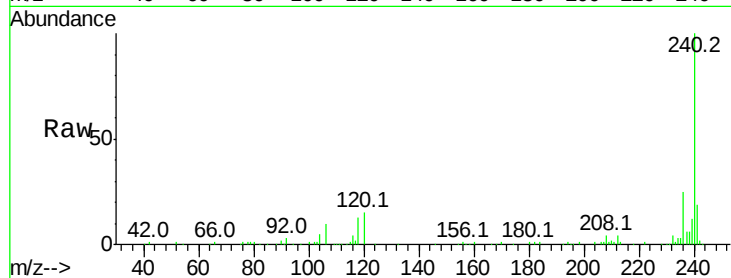




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

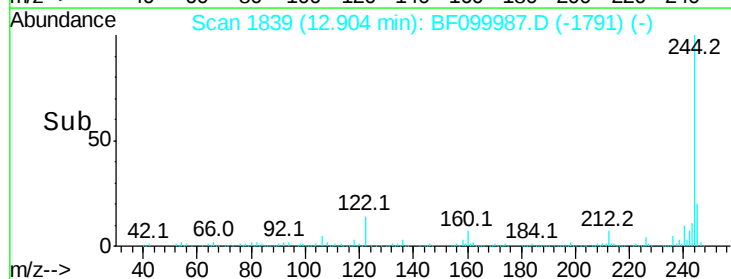
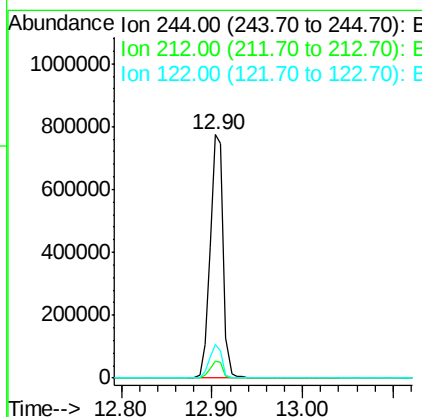
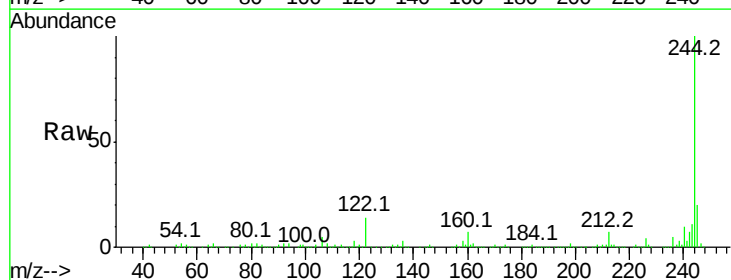
Instrument :
 BNA_F
 ClientSampleId :

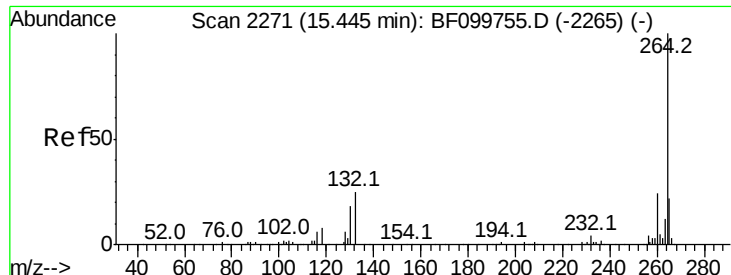
Tot Ion:240 Resp: 167390
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 24.7 20.7 31.1



#78
 Terphenyl-d14
 Concen: 101.926 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.02 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

Tgt Ion:244 Resp: 780710
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.7 11.0 16.4

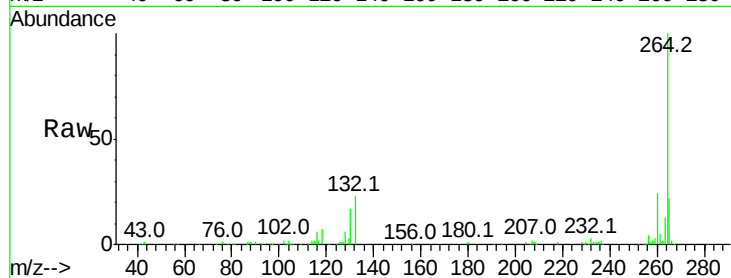




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF099987.D
 Acq: 31 Oct 2017 4:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	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

