

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099994.D
 Acq On : 31 Oct 2017 7:09
 Operator : SJ/JU
 Sample : I6201-04
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 07:35:21 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	82081	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	331952	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	151022	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	262746	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	166931	20.00	ng	-0.02
86) Perylene-d12	15.47	264	150440	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	585479	111.98	ng	0.00
7) Phenol-d6	6.43	99	702478	113.32	ng	0.00
23) Nitrobenzene-d5	7.36	82	381960	74.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	149935	108.94	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	714208	72.96	ng	-0.01
78) Terphenyl-d14	12.90	244	587731	76.94	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.56	77	10032	2.708	ng	91
10) Phenol	6.45	94	40117	5.894	ng	96
19) n-Nitroso-di-n-propylamine	7.36	70	47703	13.131	ng	# 73
25) Isophorone	7.36	82	381960	40.825	ng	# 64
49) Dimethylphthalate	9.54	163	126180	10.550	ng	100
56) 2,4-Dinitrotoluene	9.82	165	19631	6.484	ng	# 21
66) 4-Bromophenyl-phenylether	10.62	248	9803	3.544	ng	# 1

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

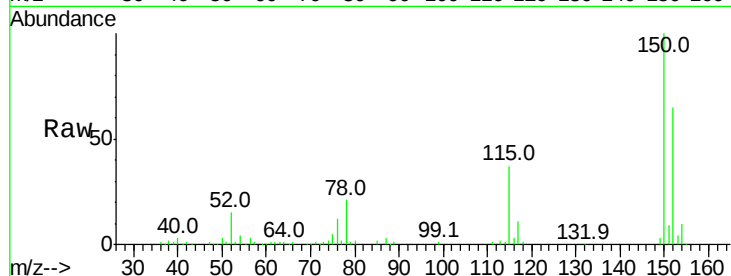


#1

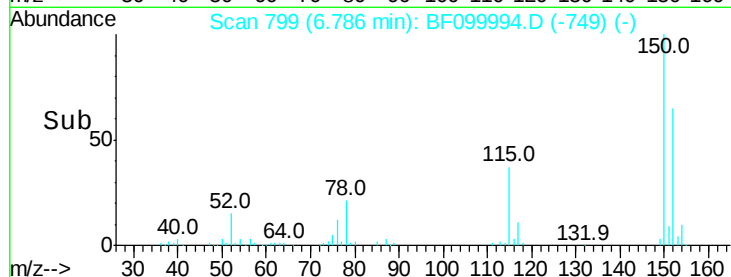
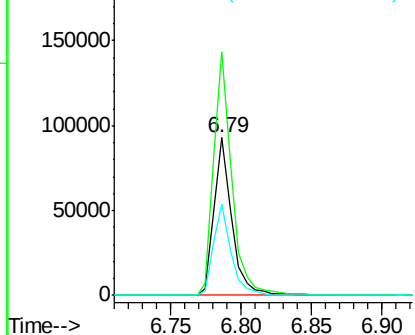
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099994.D
Acq: 31 Oct 2017 7:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 82081
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 57.9 50.1 75.1



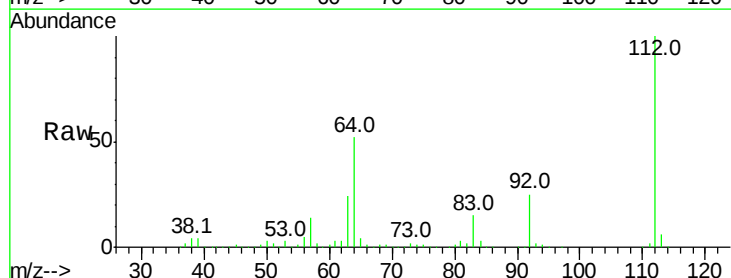
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



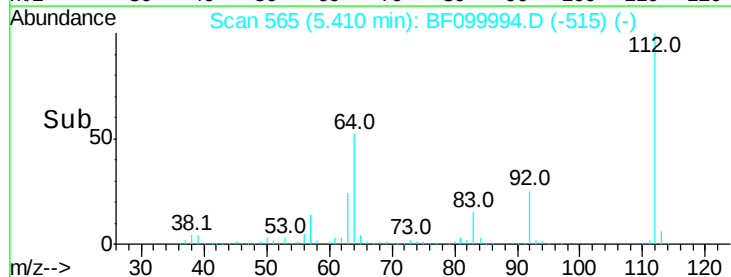
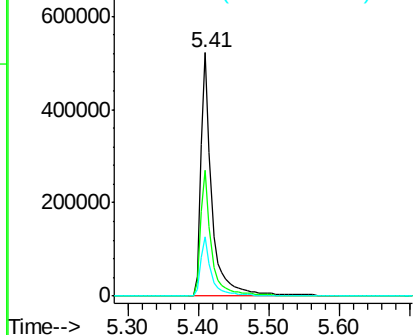
#5

2-Fluorophenol
Concen: 111.985 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF099994.D
Acq: 31 Oct 2017 7:09

Tgt Ion:112 Resp: 585479
Ion Ratio Lower Upper
112 100
64 51.6 47.9 71.9
63 24.4 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: 113.318 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

Instrument :

BNA_F

ClientSampleId :

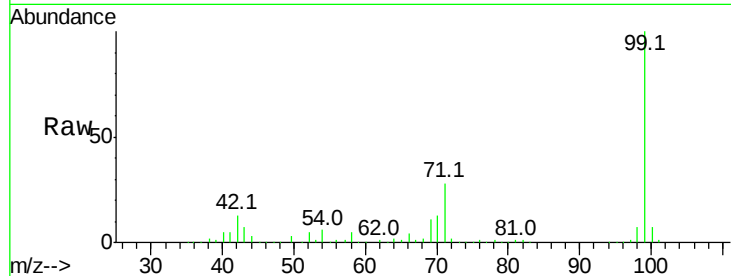
Tot Ion: 99 Resp: 702478

Ion Ratio Lower Upper

99 100

42 13.3 14.5 21.7#

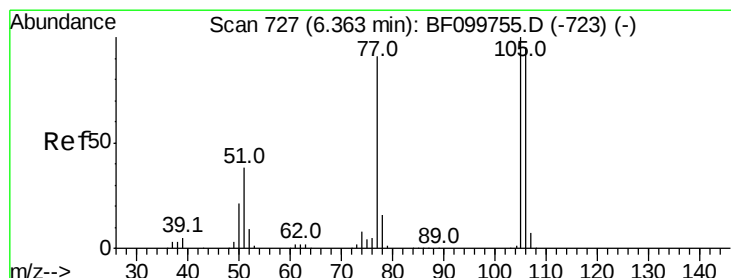
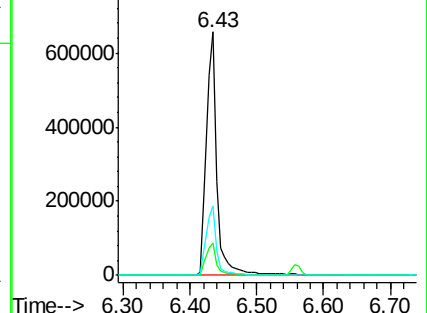
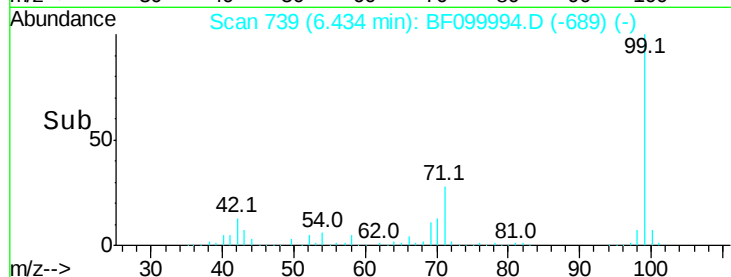
71 28.5 25.4 38.0



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: 2.708 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.20 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

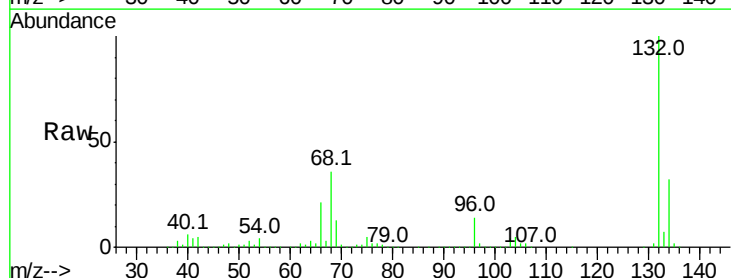
Tgt Ion: 77 Resp: 10032

Ion Ratio Lower Upper

77 100

105 89.5 81.1 121.1

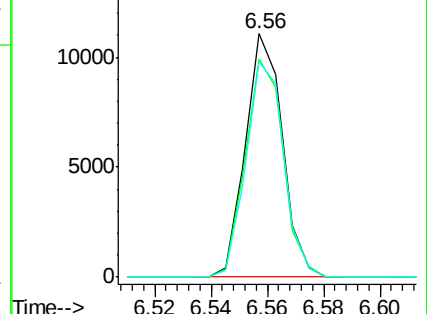
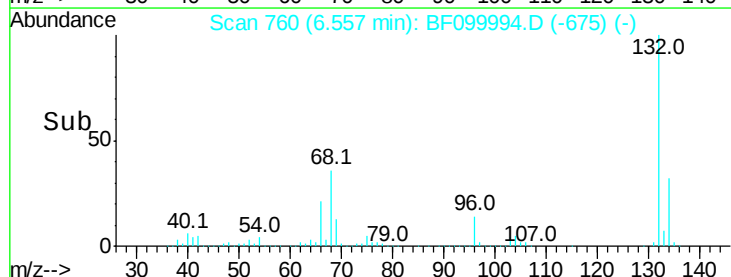
106 88.5 74.5 114.5

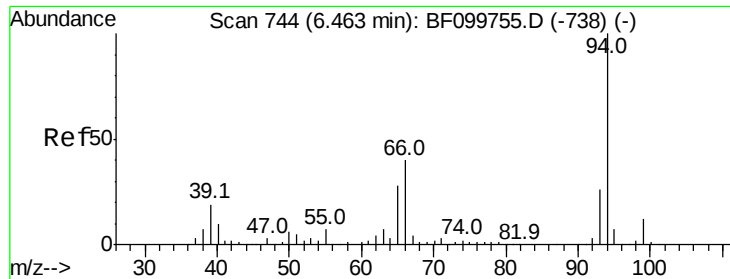


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 5.894 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

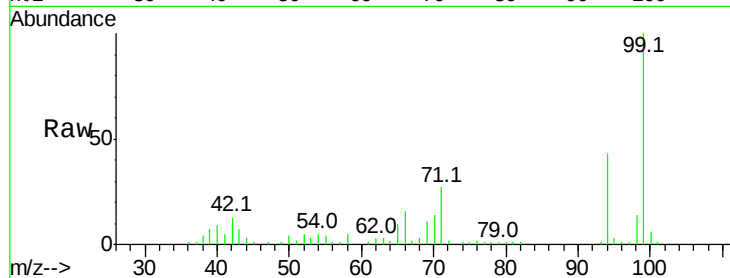
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 94 Resp: 40117

Ion	Ratio	Lower	Upper
94	100		
65	23.9	7.9	47.9
66	37.5	16.2	56.2

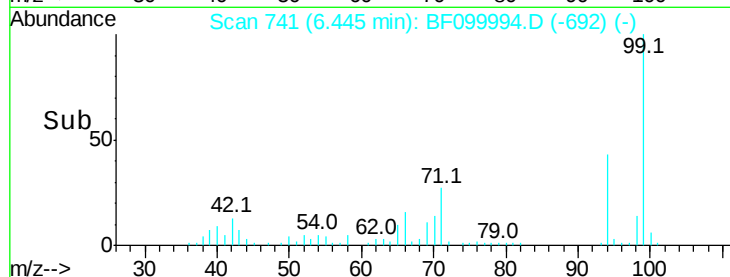


Abundance

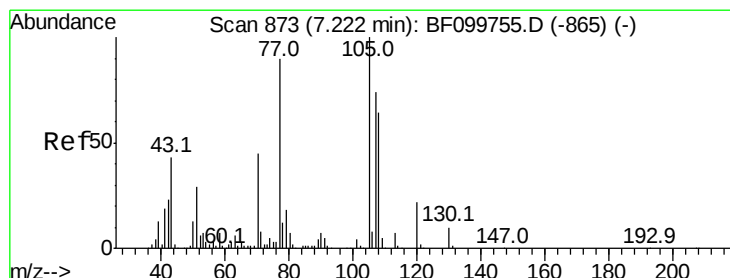
Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.131 ng

RT: 7.36 min Scan# 896

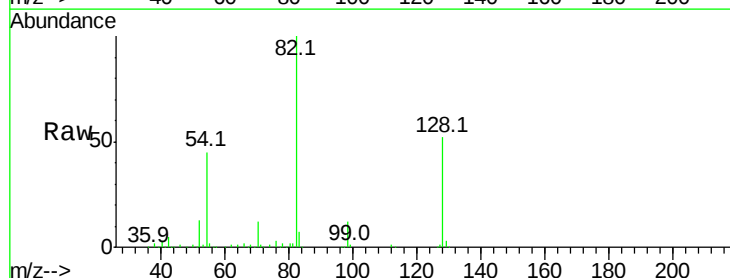
Delta R.T. 0.15 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

Tgt Ion: 70 Resp: 47703

Ion	Ratio	Lower	Upper
70	100		
42	42.0	47.5	71.3#
101	0.0	7.4	11.2#
130	2.9	16.6	25.0#



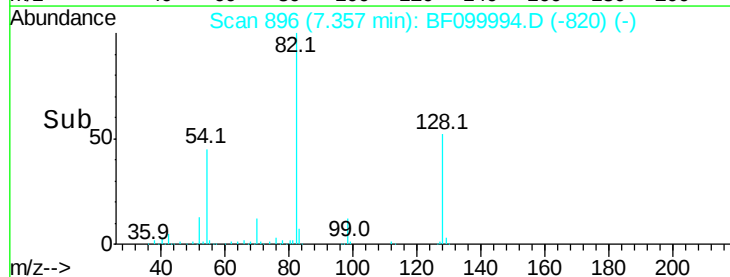
Abundance

Ion 70.00 (69.70 to 70.70): BF0

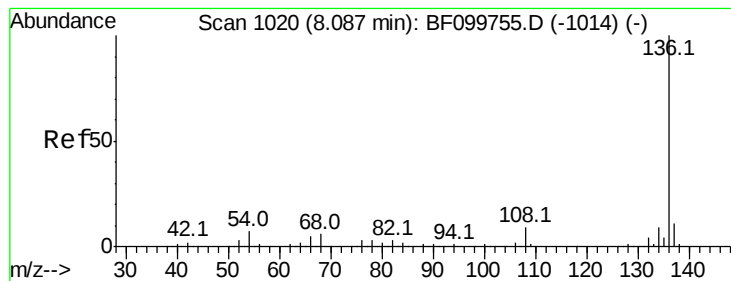
Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 331952

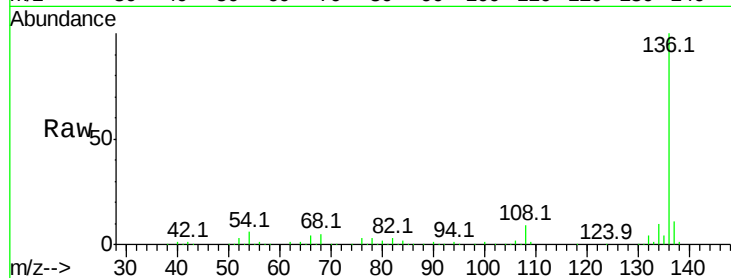
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

68 5.4 5.0 7.4

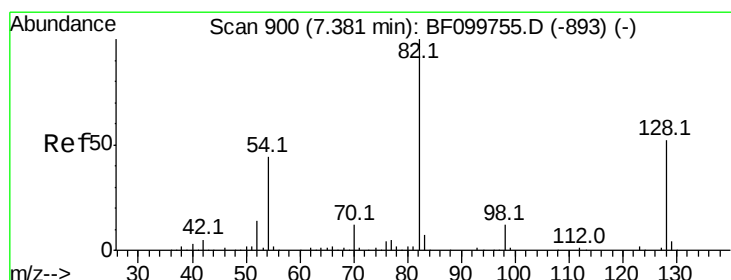
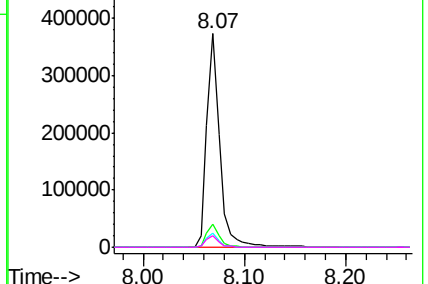
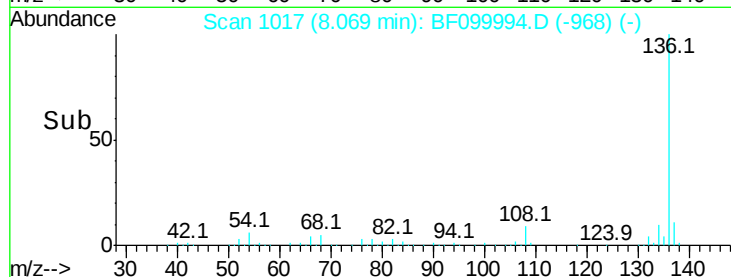


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.079 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

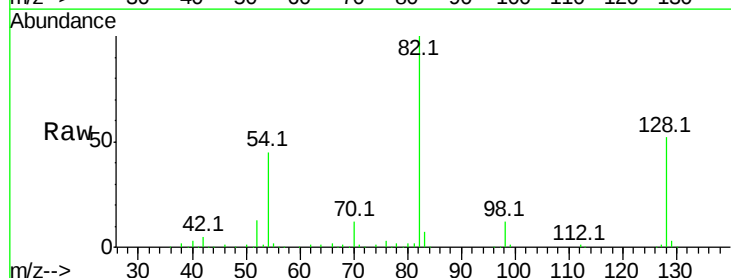
Tgt Ion: 82 Resp: 381960

Ion Ratio Lower Upper

82 100

128 52.1 36.1 54.1

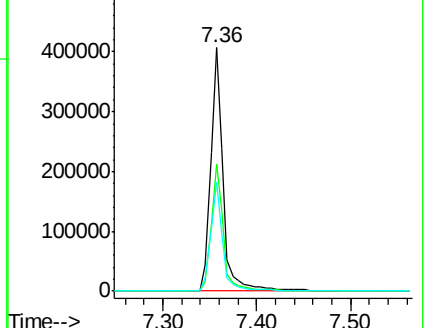
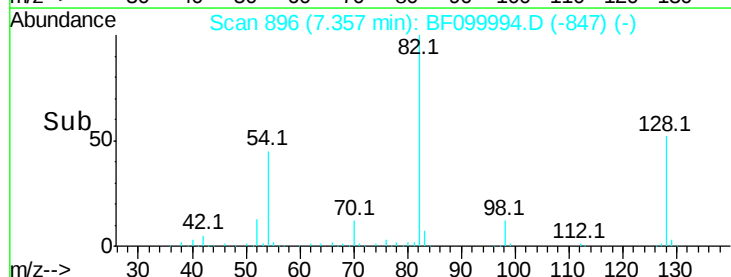
54 45.0 41.4 62.2

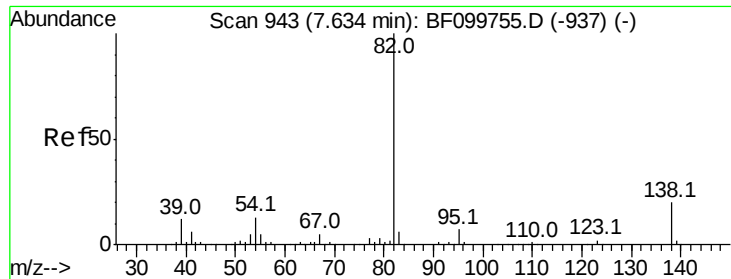


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.825 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

Instrument :

BNA_F

ClientSampled :

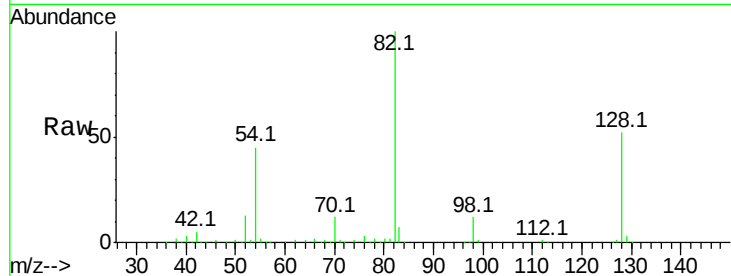
Tot Ion: 82 Resp: 381960

Ion Ratio Lower Upper

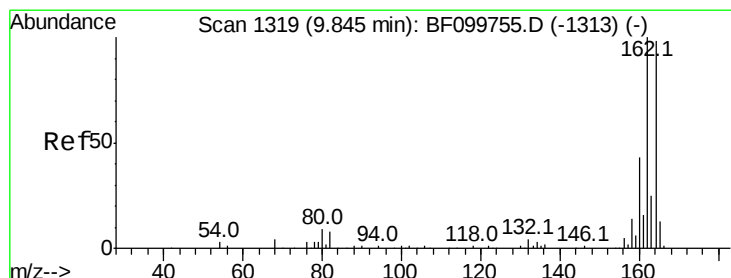
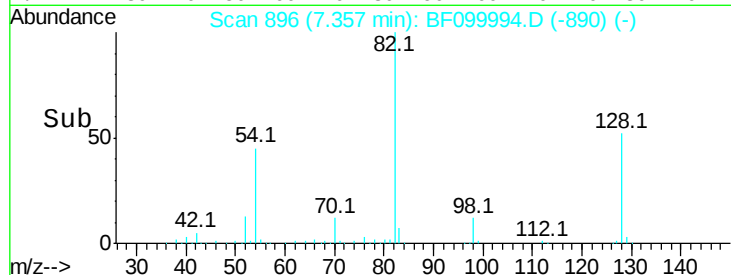
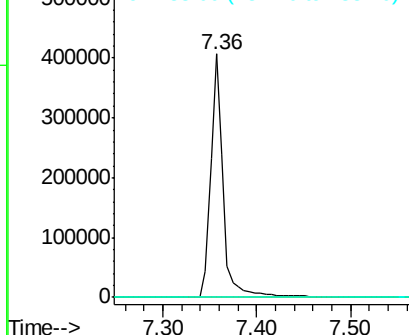
82 100

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: BF099994.D

Acq: 31 Oct 2017 7:09

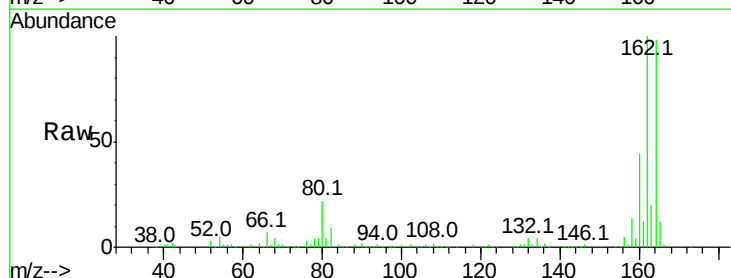
Tgt Ion:164 Resp: 151022

Ion Ratio Lower Upper

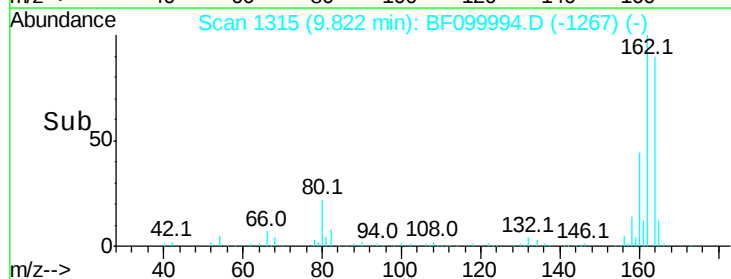
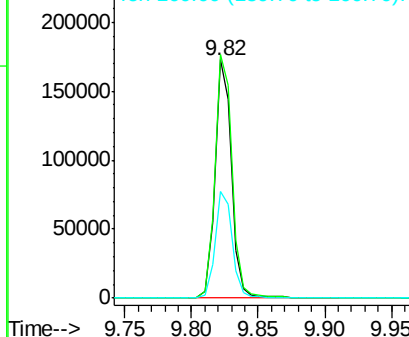
164 100

162 102.3 86.1 129.1

160 44.7 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

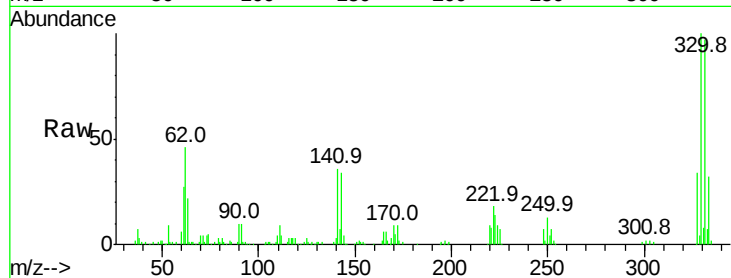




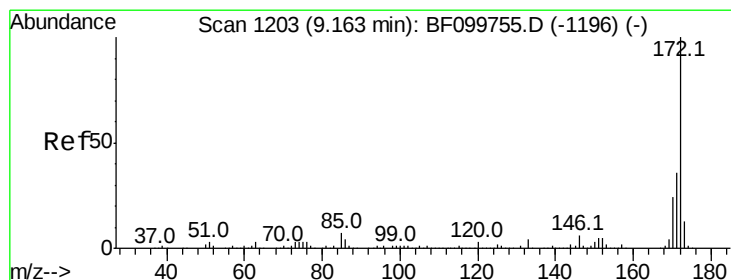
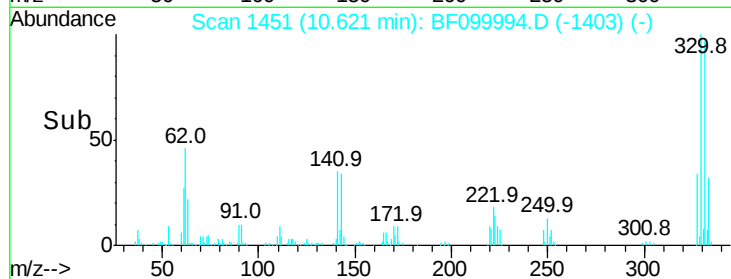
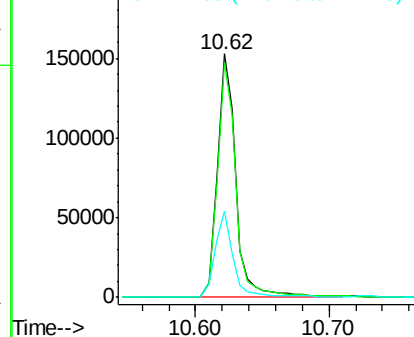
#41
 2,4,6-Tribromophenol
 Concen: 108.942 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099994.D
 Acq: 31 Oct 2017 7:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	34.9	29.9	44.9

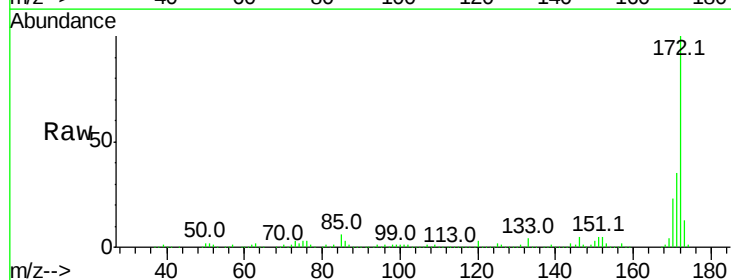


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

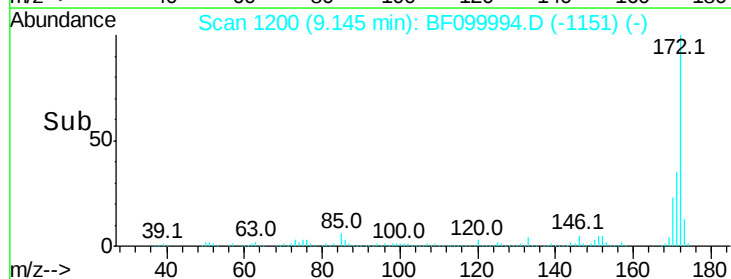
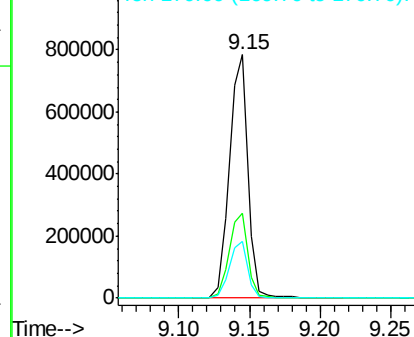


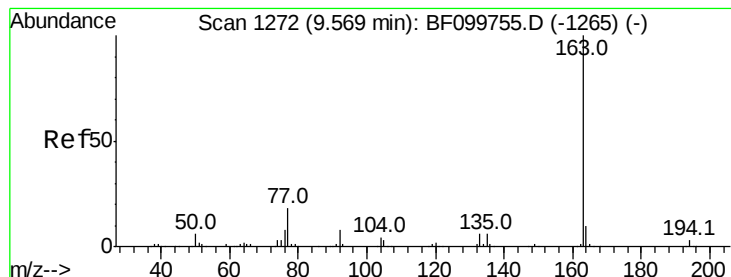
#44
 2-Fluorobiphenyl
 Concen: 72.963 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099994.D
 Acq: 31 Oct 2017 7:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.3	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: 10.550 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.02 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

Instrument :

BNA_F

ClientSampleId :

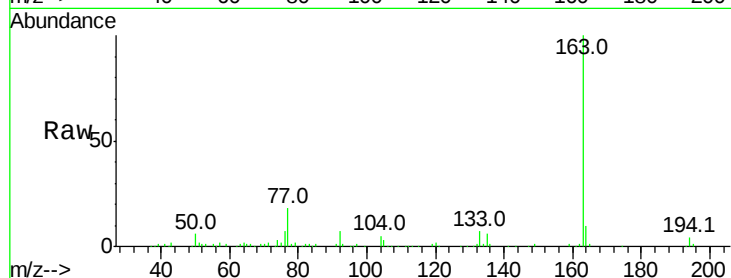
Tot Ion:163 Resp: 126180

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

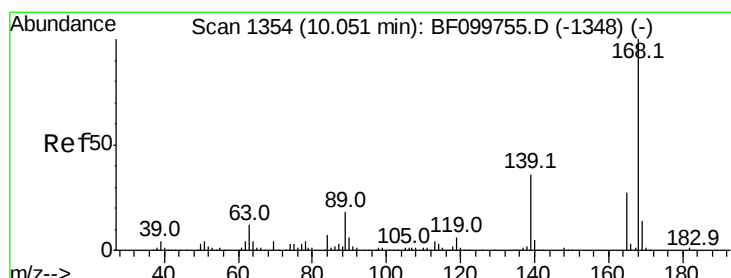
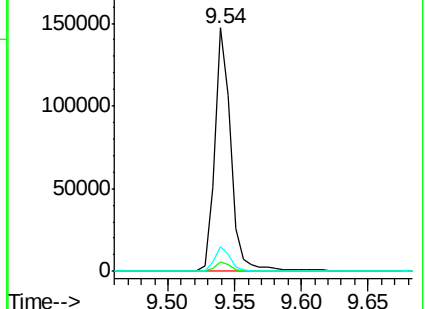
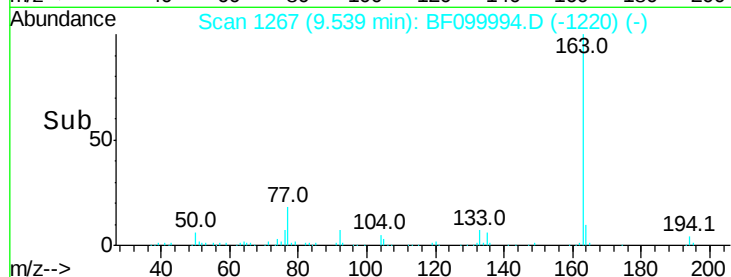
164 10.3 8.2 12.2



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: 6.484 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.23 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

Tgt Ion:165 Resp: 19631

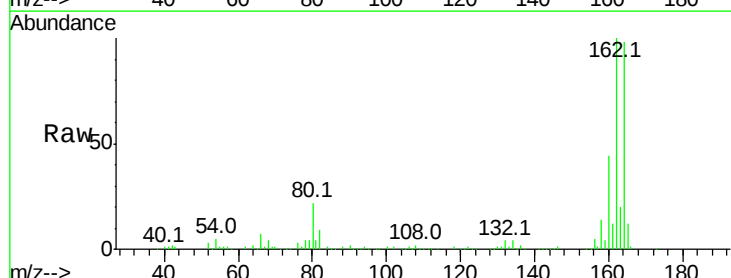
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

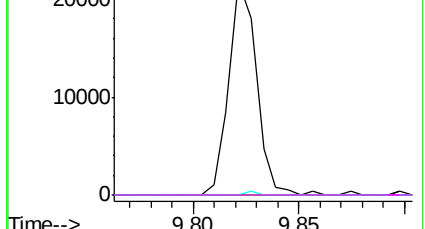
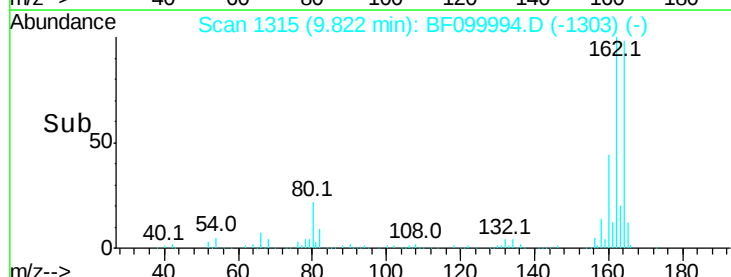


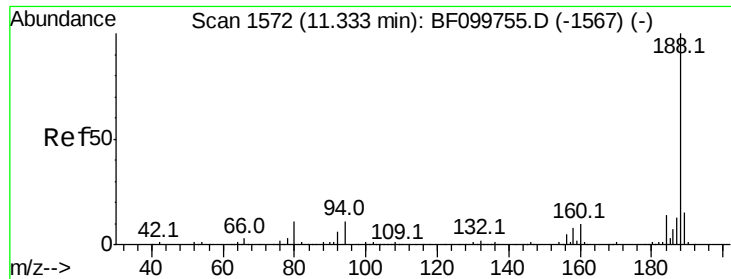
Abundance Ion 165.00 (164.70 to 165.70): E

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

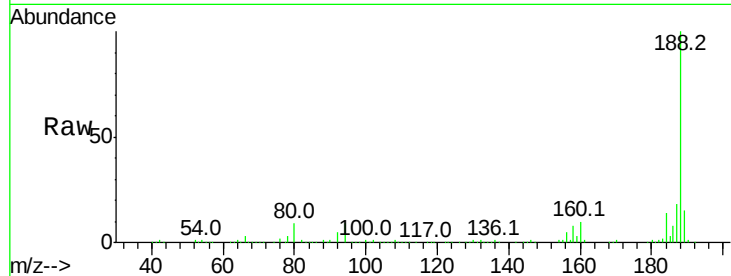




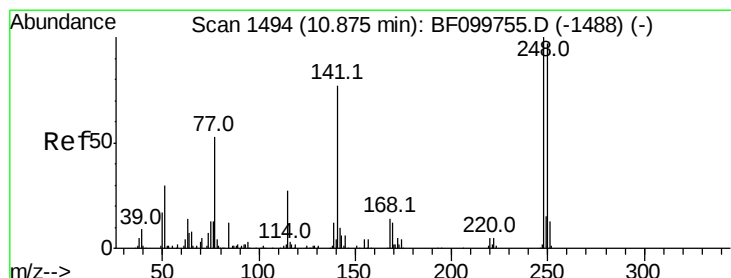
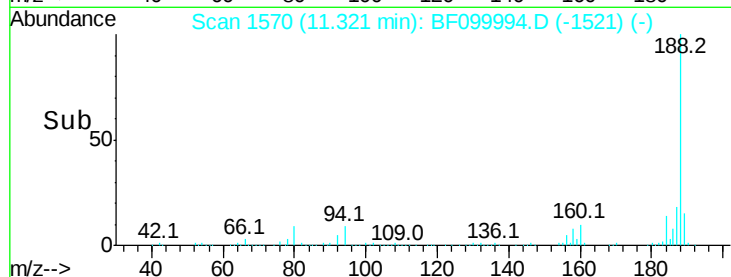
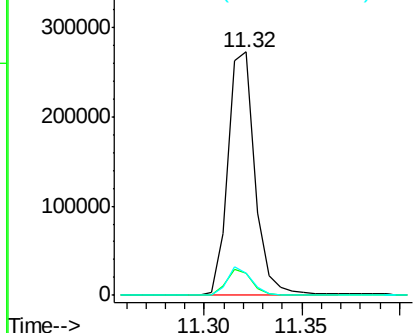
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099994.D
 Acq: 31 Oct 2017 7:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.2	9.2	13.8

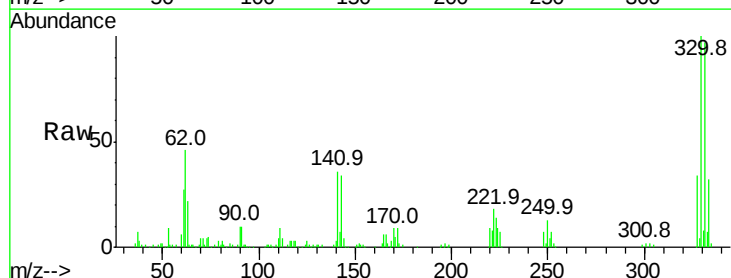


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

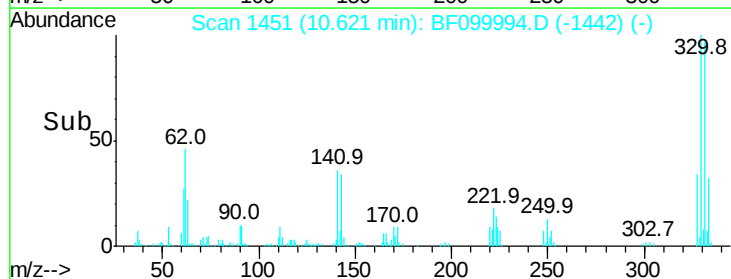
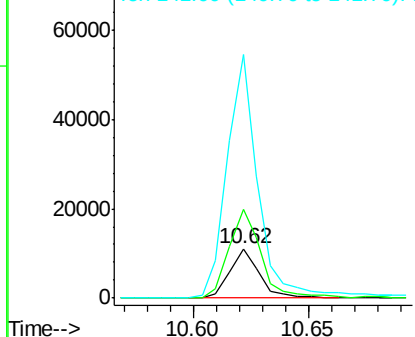


#66
 4-Bromophenyl-phenylether
 Concen: 3.544 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF099994.D
 Acq: 31 Oct 2017 7:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	179.4	76.9	115.3#
141	490.5	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: BF099994.D

Acq: 31 Oct 2017 7:09

Instrument :

BNA_F

ClientSampleId :

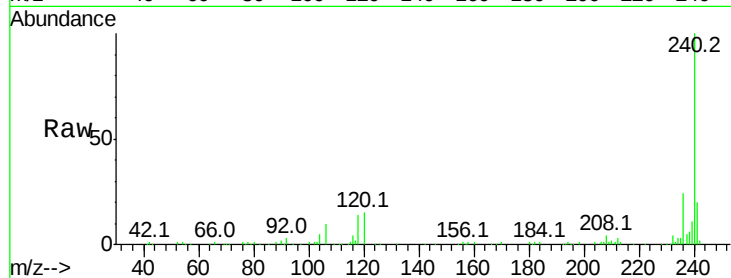
Tot Ion:240 Resp: 166931

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

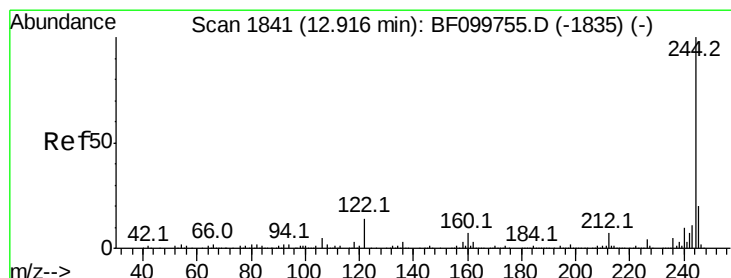
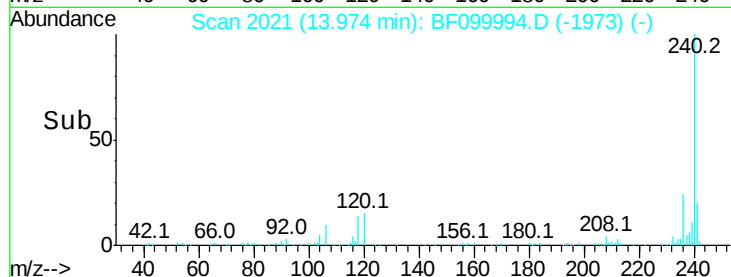
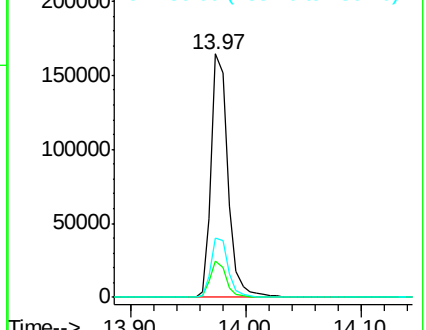
236 24.5 20.7 31.1



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: 76.943 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.02 min

Lab File: BF099994.D

Acq: 31 Oct 2017 7:09

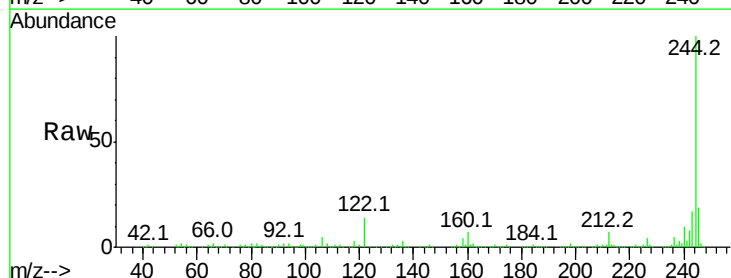
Tgt Ion:244 Resp: 587731

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

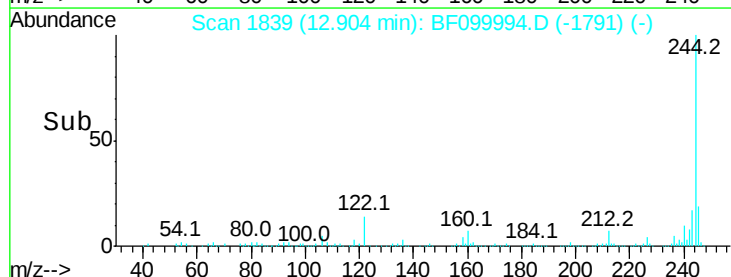
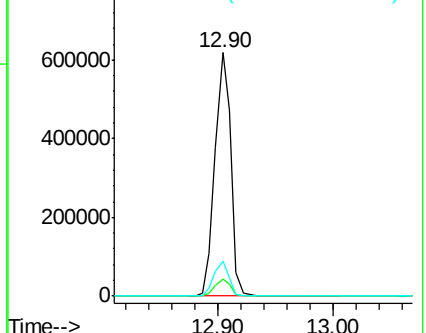
122 14.4 11.0 16.4

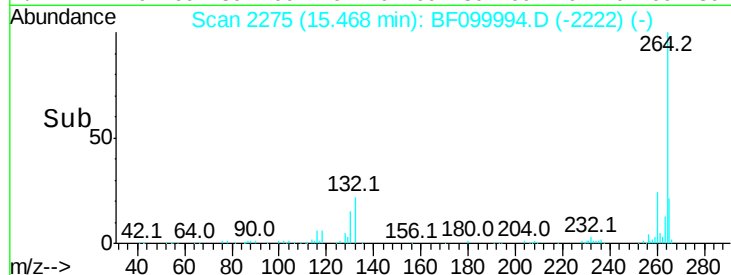
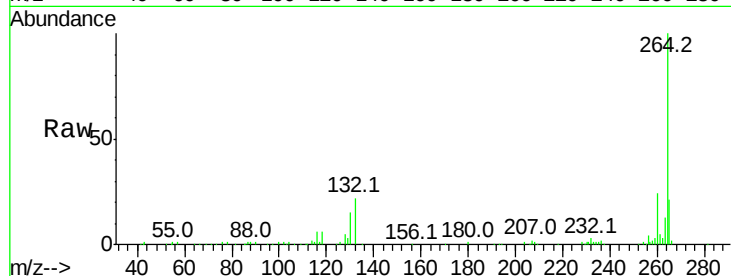
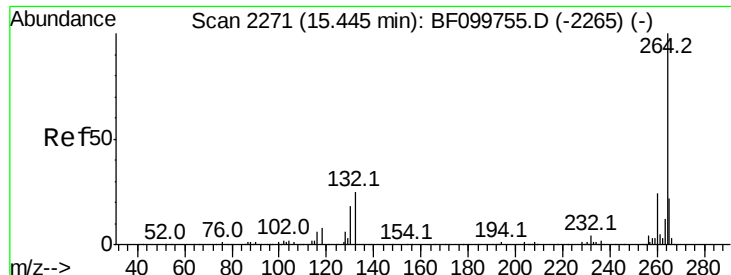


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BF099994.D
 Acq: 31 Oct 2017 7:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	150440
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	21.0	17.5	26.3

