

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102617\
 Data File : BF099859.D
 Acq On : 26 Oct 2017 14:11
 Operator : SJ/JU
 Sample : I6034-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

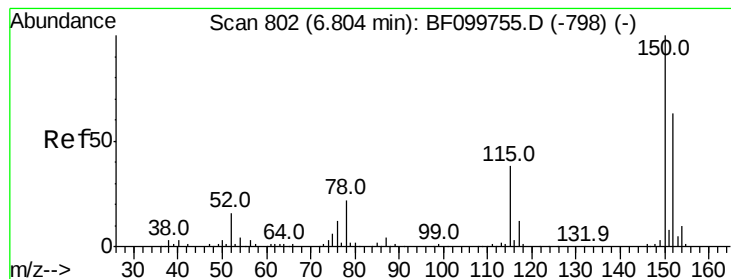
Quant Time: Oct 26 16:33:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 16:31:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	67984	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	282620	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	118901	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	146461	20.00	ng	0.02
75) Chrysene-d12	14.02	240	152585	20.00	ng	0.04
86) Perylene-d12	15.48	264	175403	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	434177	100.27	ng	0.00
7) Phenol-d6	6.43	99	513987	100.10	ng	0.00
23) Nitrobenzene-d5	7.36	82	292001	66.52	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	98714	91.10	ng	0.01
44) 2-Fluorobiphenyl	9.16	172	604359	78.42	ng	0.00
78) Terphenyl-d14	12.96	244	354950	50.84	ng	0.04

Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	7988	2.603	ng	86
10) Phenol	6.45	94	20035	3.554	ng	93
19) n-Nitroso-di-n-propylamine	7.36	70	36370	12.087	ng	# 69
25) Isophorone	7.36	82	292001	36.657	ng	# 64
49) Dimethylphthalate	9.56	163	23800	2.528	ng	# 92
50) 2,6-Dinitrotoluene	9.63	165	4169	2.106	ng	# 35
53) 2,4-Dinitrophenol	10.03	184	561	6.427	ng	# 1
55) 4-Nitrophenol	9.95	139	2846	2.335	ng	# 1
56) 2,4-Dinitrotoluene	10.06	165	6725	2.821	ng	# 39
61) 4-Nitroaniline	10.25	138	9484	4.262	ng	# 78
62) Azobenzene	10.56	77	43963	5.704	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	23520	4.350	ng	# 51
69) Pentachlorophenol	11.17	266	2111	3.132	ng	# 39
73) Di-n-butylphthalate	11.89	149	27650	2.748	ng	# 28
83) Bis(2-ethylhexyl)phthalate	13.97	149	21532	2.684	ng	# 81

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

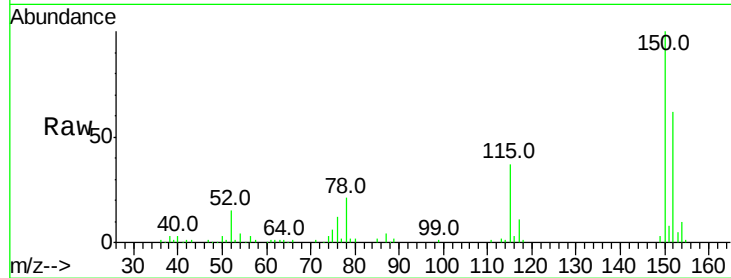


#1

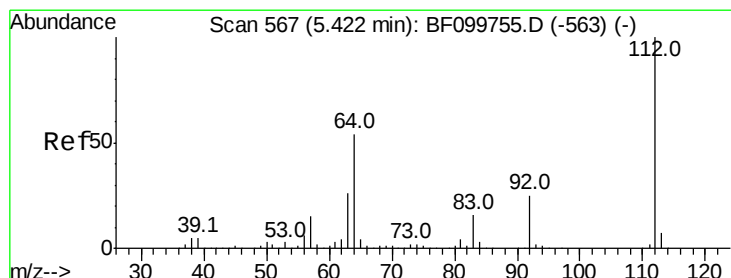
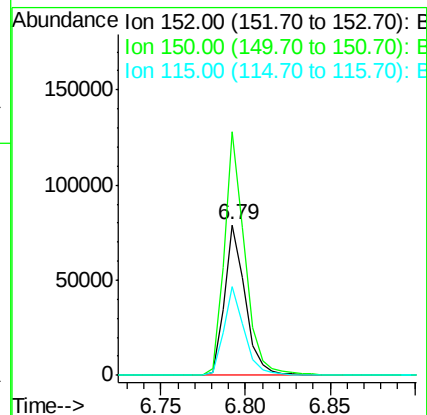
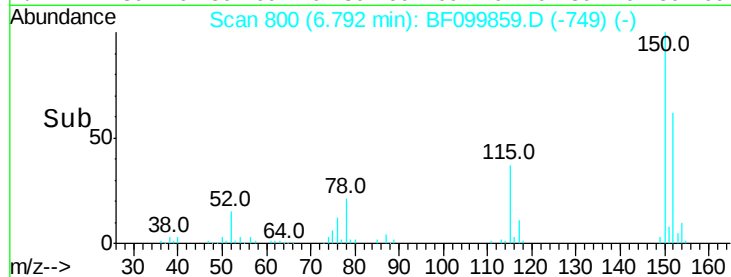
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67984
Ion Ratio Lower Upper
152 100
150 161.8 124.6 186.8
115 59.1 50.1 75.1



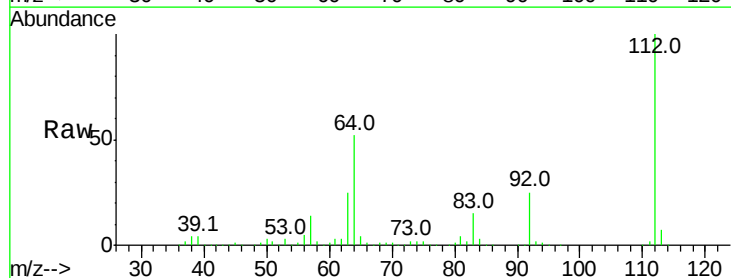
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



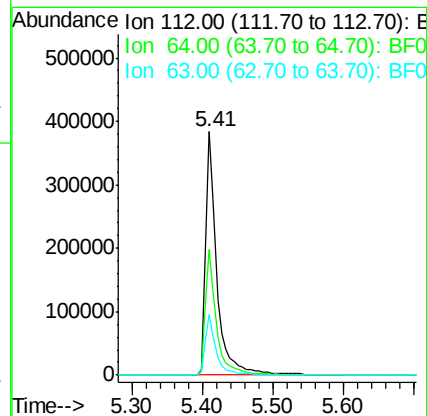
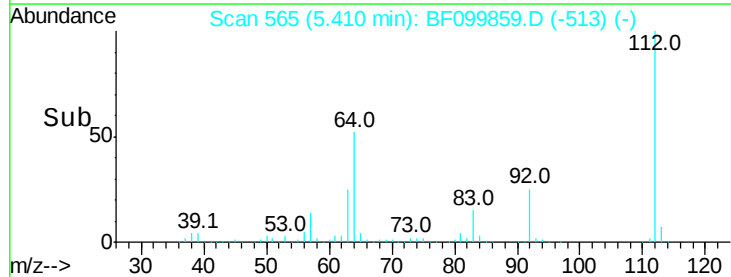
#5

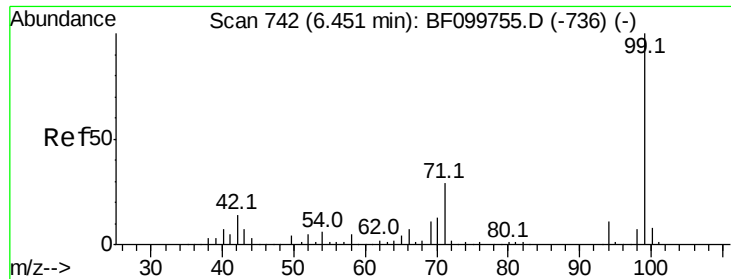
2-Fluorophenol
Concen: 100.265 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

Tgt Ion:112 Resp: 434177
Ion Ratio Lower Upper
112 100
64 51.7 47.9 71.9
63 24.7 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: 100.105 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

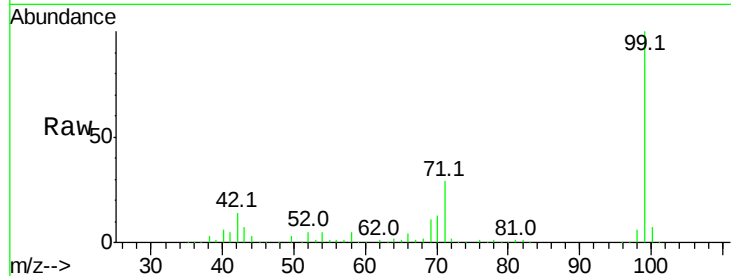
Tot Ion: 99 Resp: 513987

Ion Ratio Lower Upper

99 100

42 14.0 14.5 21.7#

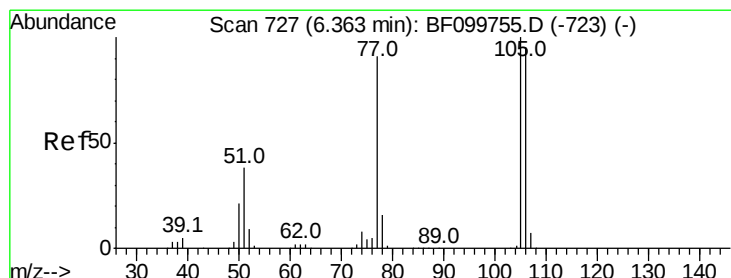
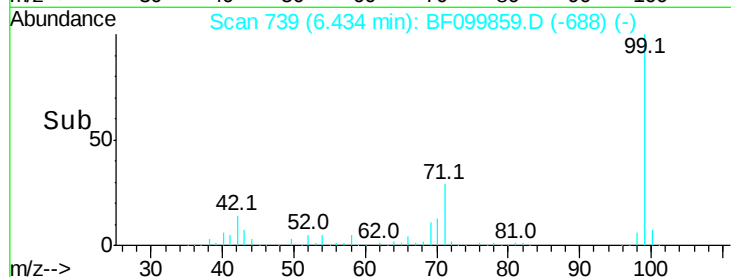
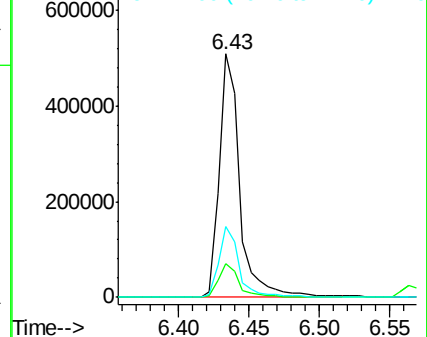
71 29.3 25.4 38.0



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: 2.603 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.21 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

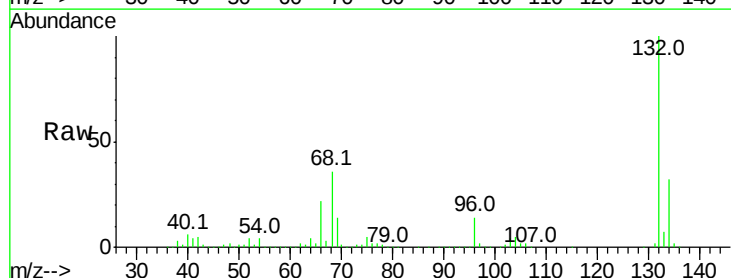
Tgt Ion: 77 Resp: 7988

Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

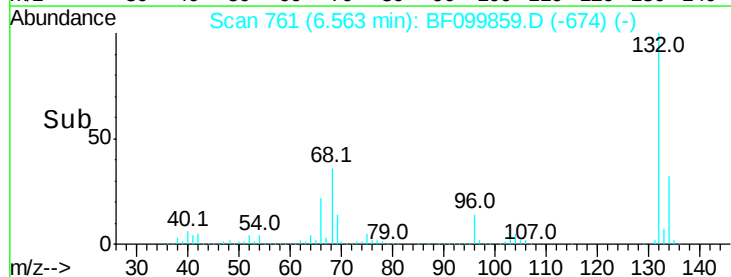
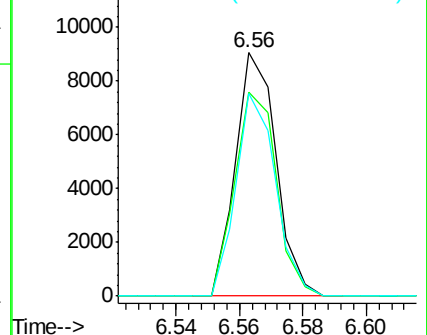
106 83.1 74.5 114.5

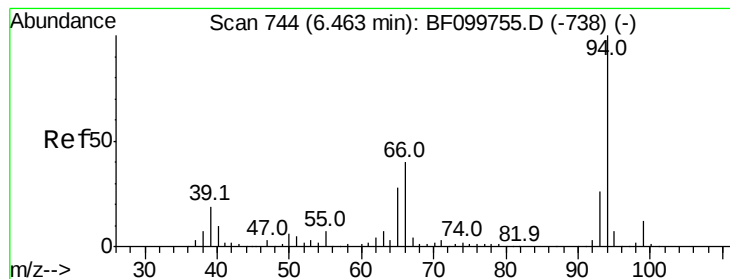


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.554 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampled :

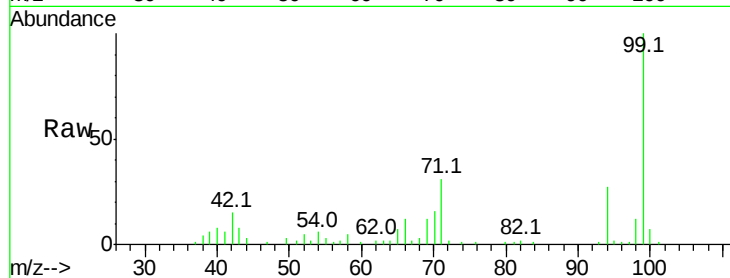
Tot Ion: 94 Resp: 20035

Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

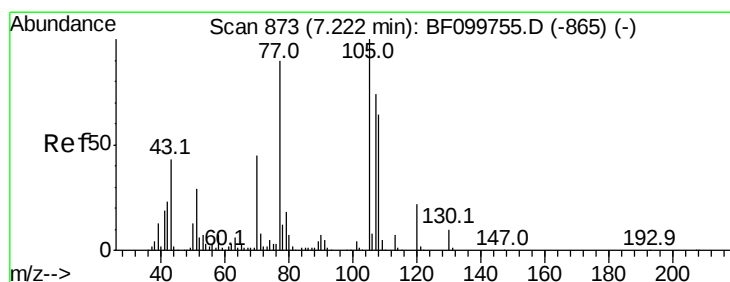
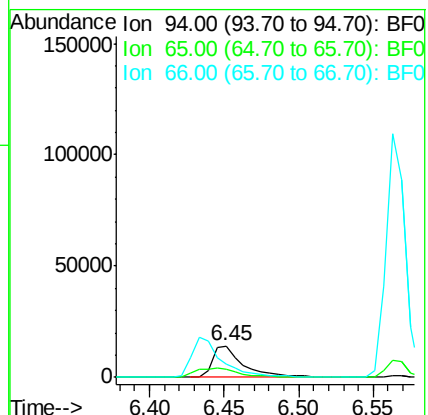
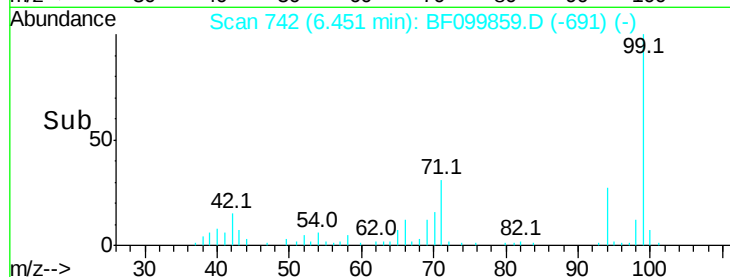
66 43.6 16.2 56.2



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: 12.087 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Tgt Ion: 70 Resp: 36370

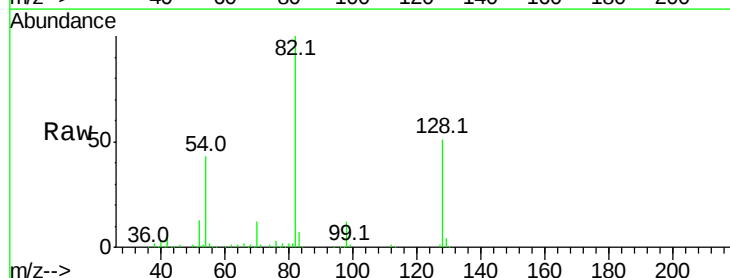
Ion Ratio Lower Upper

70 100

42 37.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

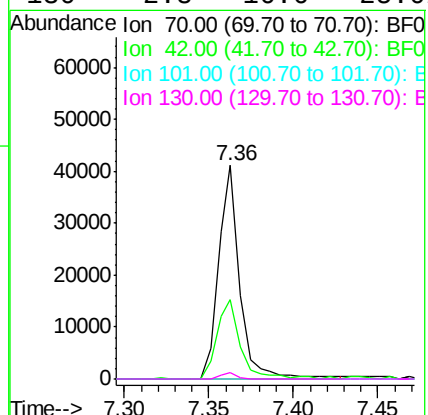
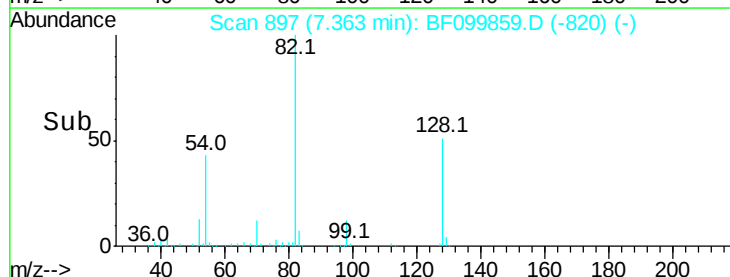


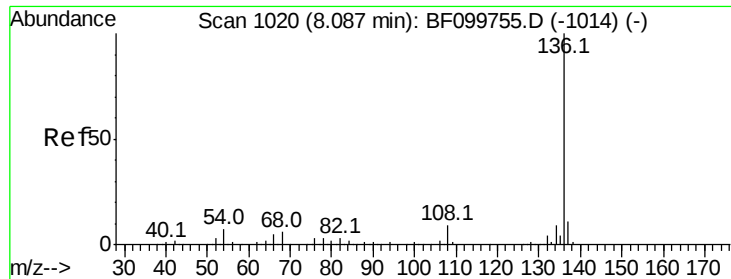
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 282620

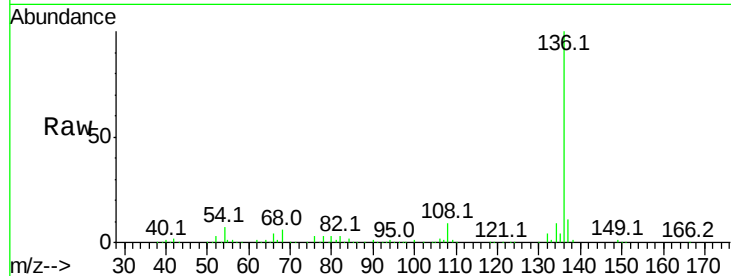
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.7 6.6 9.8

68 5.9 5.0 7.4

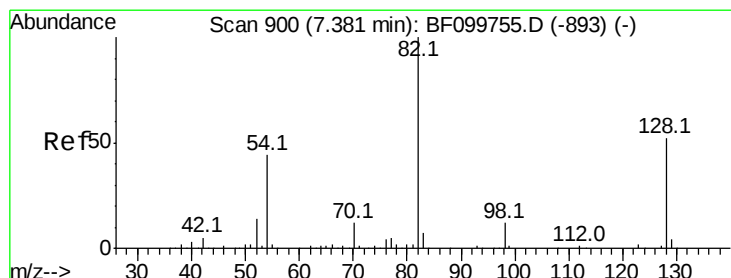
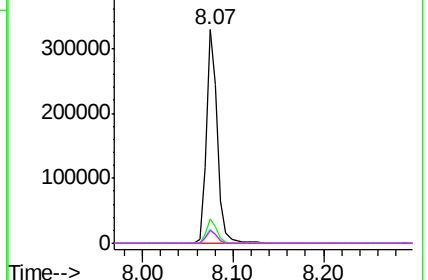
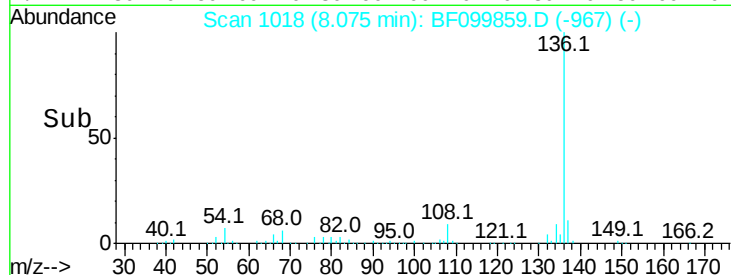


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.517 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

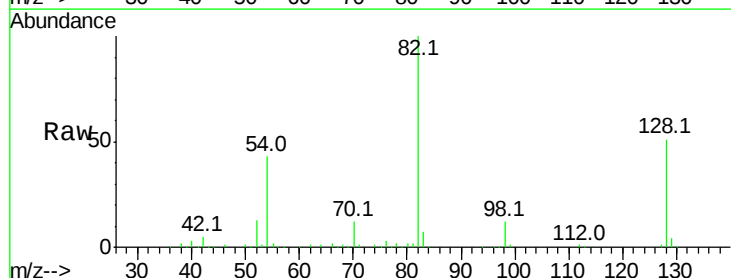
Tgt Ion: 82 Resp: 292001

Ion Ratio Lower Upper

82 100

128 51.0 36.1 54.1

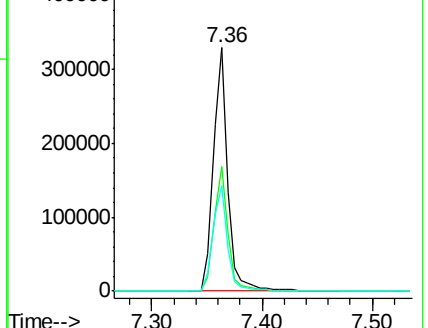
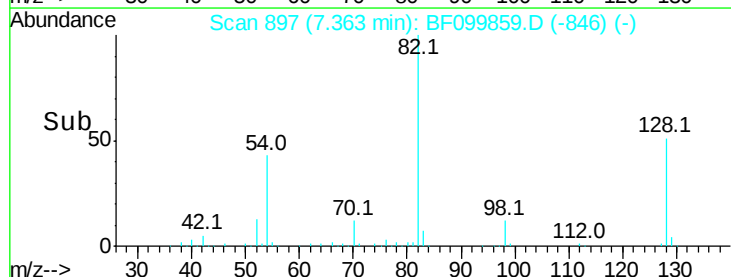
54 43.3 41.4 62.2

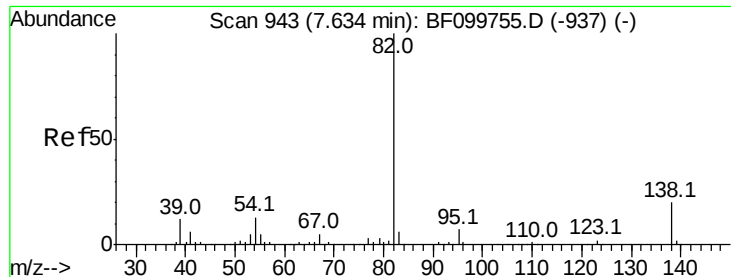


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.657 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

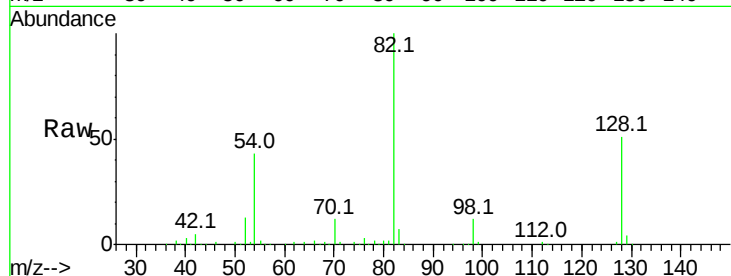
Tot Ion: 82 Resp: 292001

Ion Ratio Lower Upper

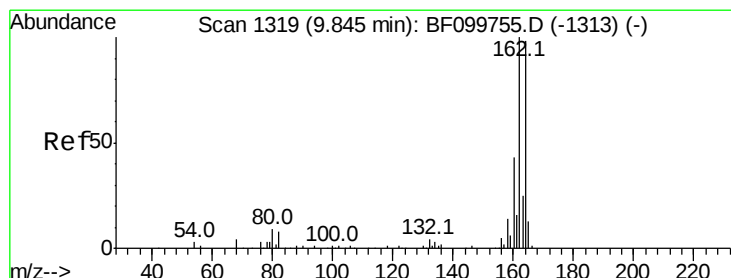
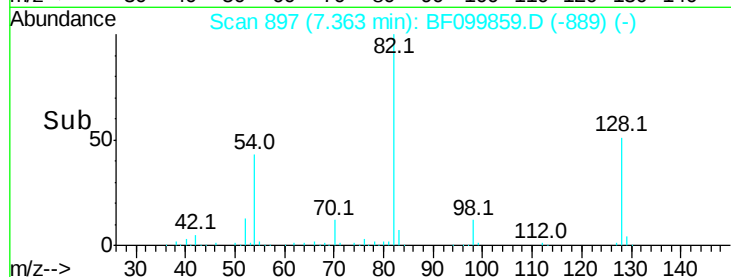
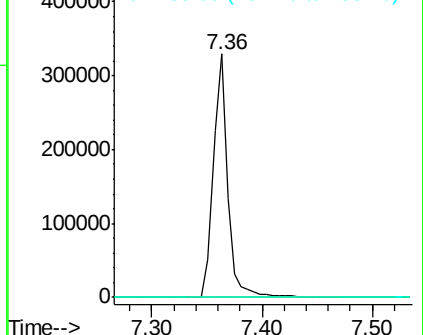
82 100

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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

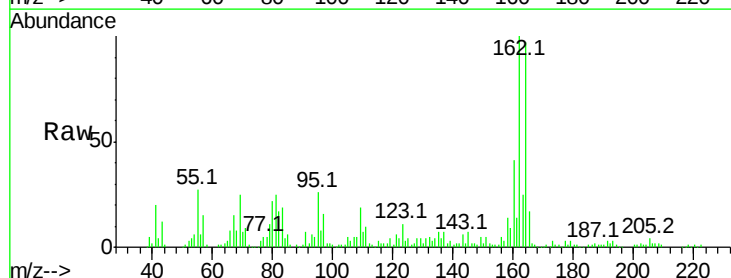
Tgt Ion:164 Resp: 118901

Ion Ratio Lower Upper

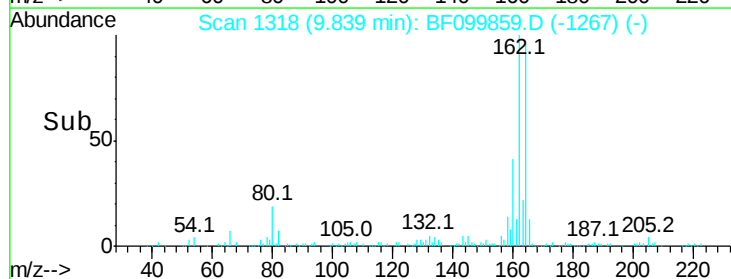
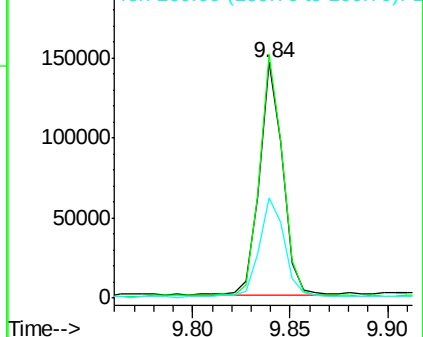
164 100

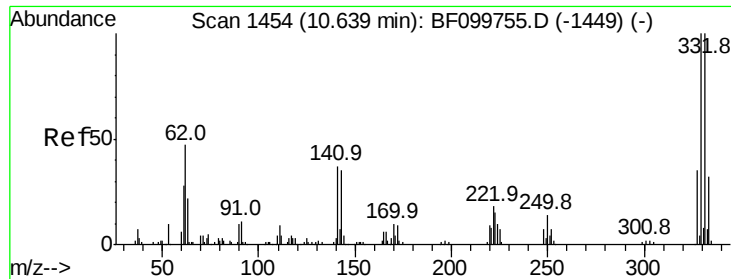
162 103.3 86.1 129.1

160 42.3 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

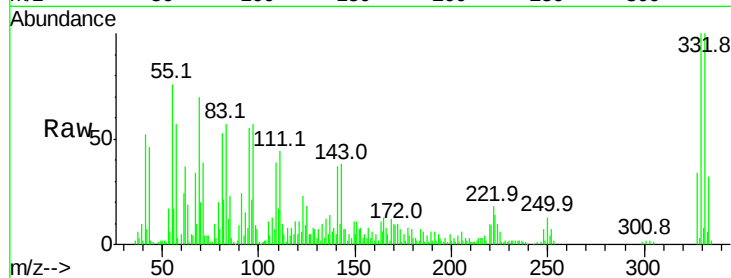




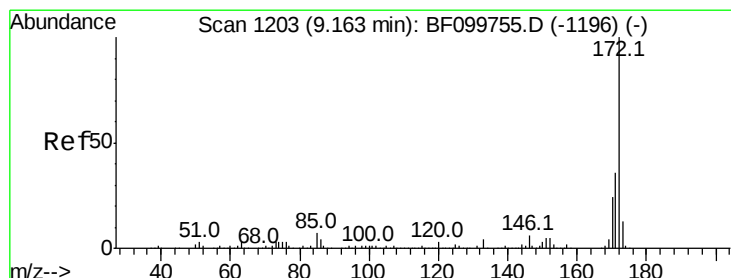
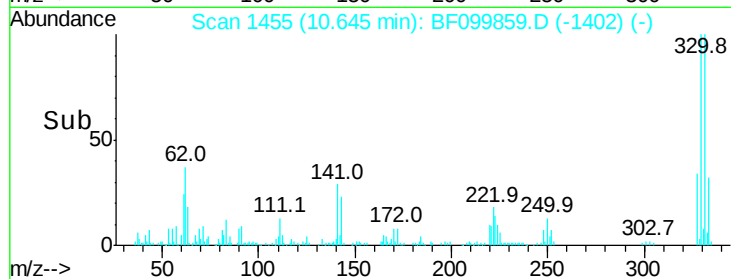
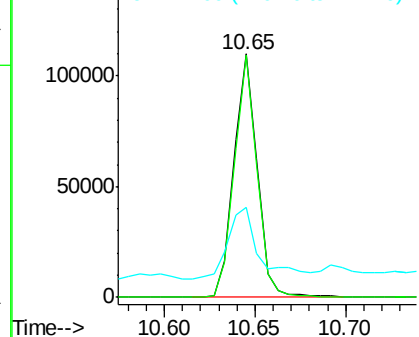
#41
 2,4,6-Tribromophenol
 Concen: 91.101 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF099859.D
 Acq: 26 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 98714
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 40.1 29.9 44.9

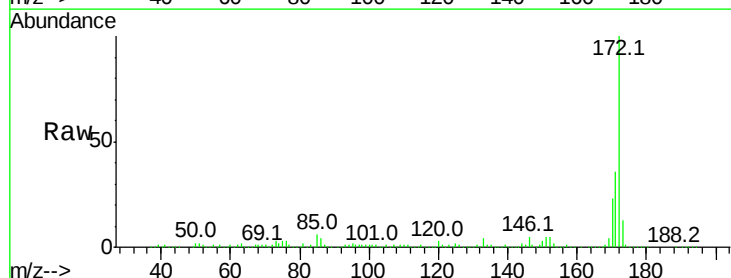


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

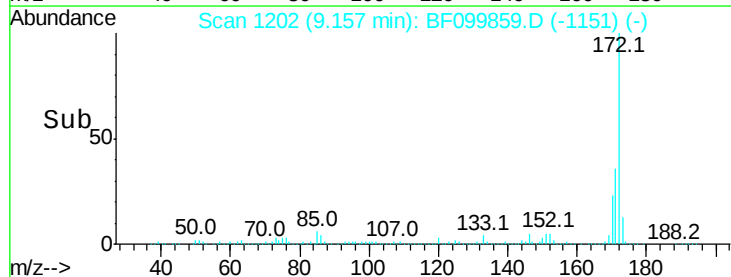
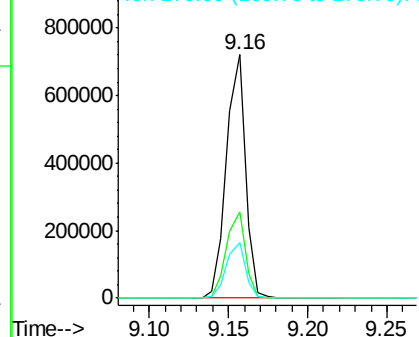


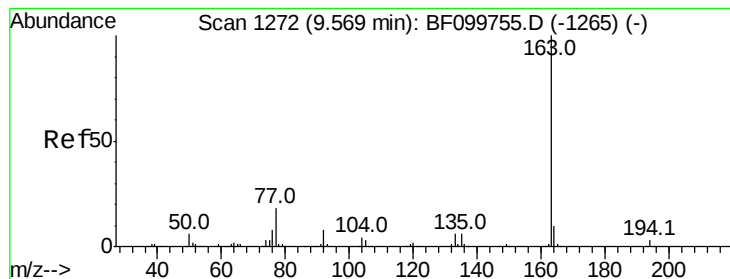
#44
 2-Fluorobiphenyl
 Concen: 78.421 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF099859.D
 Acq: 26 Oct 2017 14:11

Tgt Ion:172 Resp: 604359
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.0 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: 2.528 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampled :

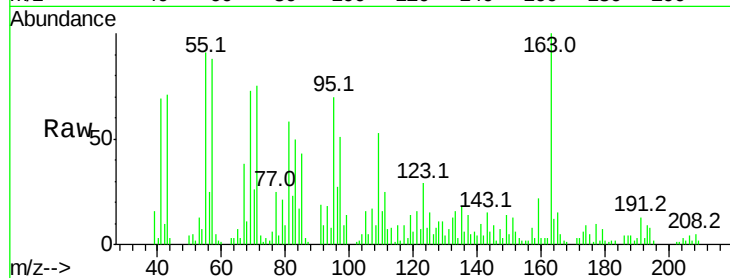
Tot Ion:163 Resp: 23800

Ion Ratio Lower Upper

163 100

194 7.6 2.7 4.1#

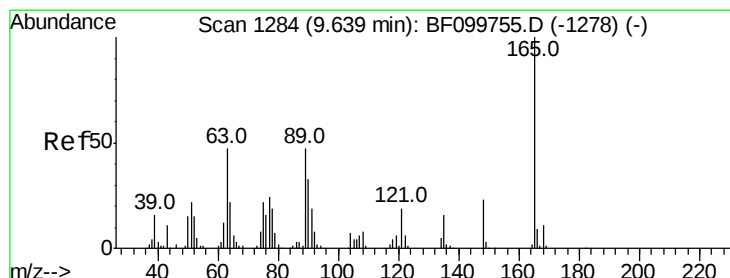
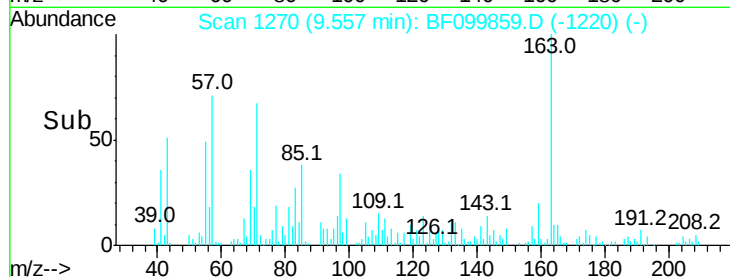
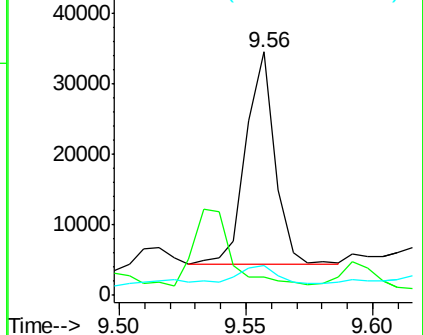
164 12.4 8.2 12.2#



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: 2.106 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

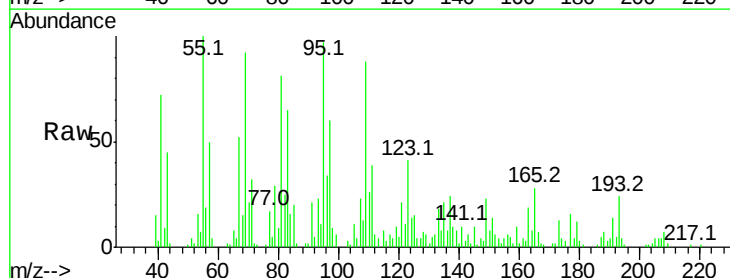
Tgt Ion:165 Resp: 4169

Ion Ratio Lower Upper

165 100

63 7.6 44.7 67.1#

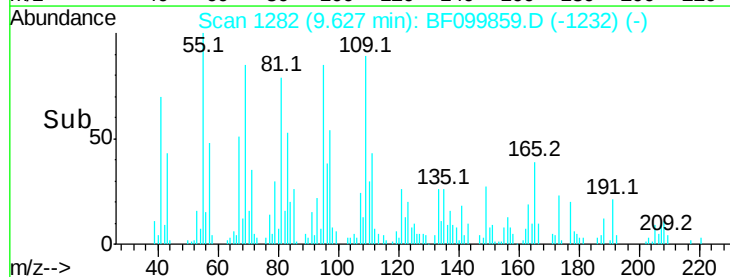
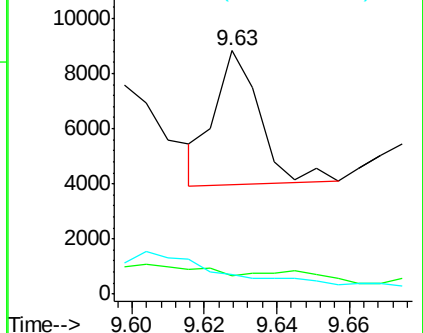
89 8.3 44.0 66.0#

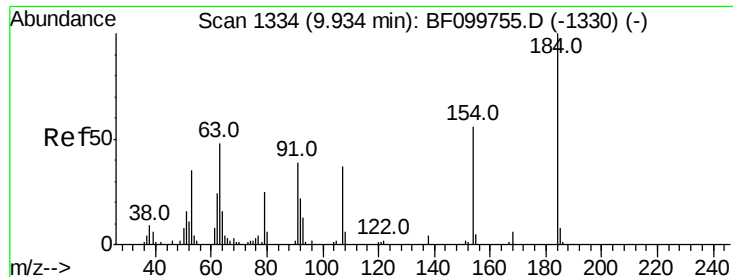


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

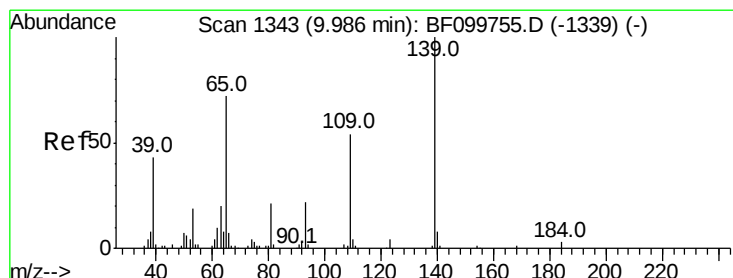
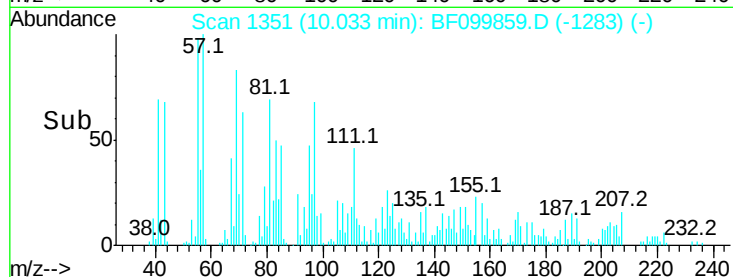
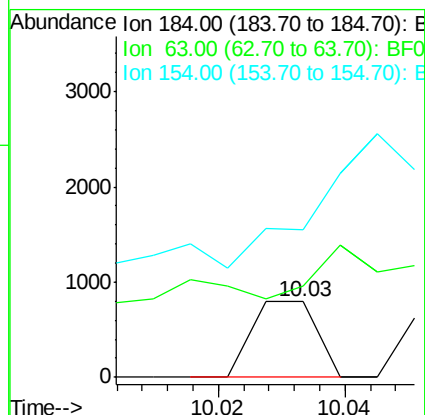
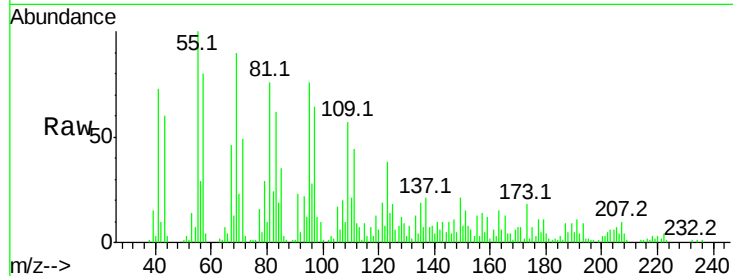




#53
 2,4-Dinitrophenol
 Concen: 6.427 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.10 min
 Lab File: BF099859.D
 Acq: 26 Oct 2017 14:11

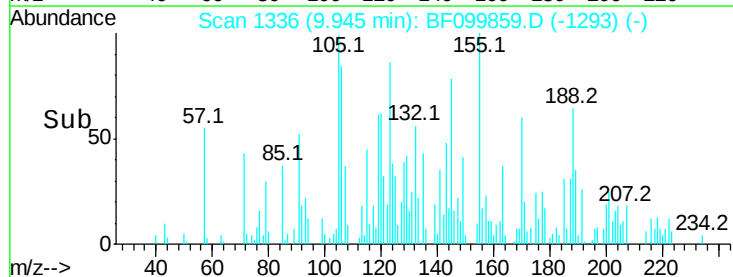
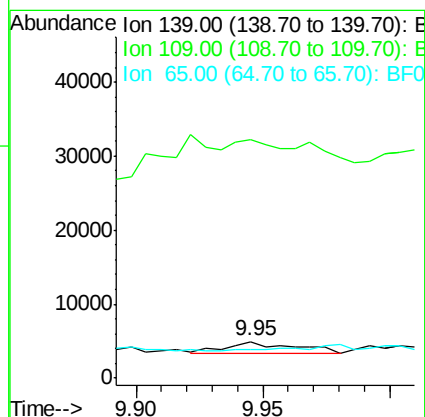
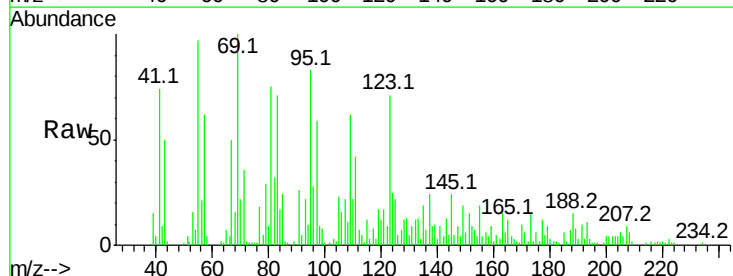
Instrument :
 BNA_F
 ClientSampled :

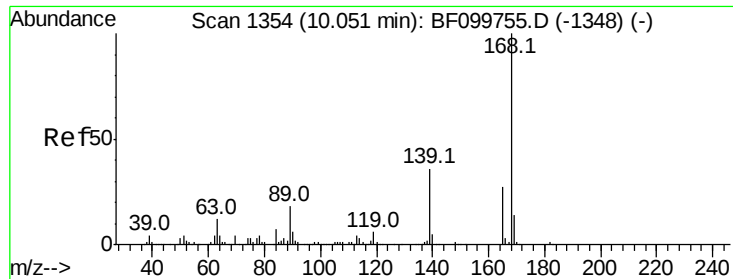
Tot Ion:184 Resp: 561
 Ion Ratio Lower Upper
 184 100
 63 119.9 54.2 81.2#
 154 195.1 53.5 80.3#



#55
 4-Nitrophenol
 Concen: 2.335 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.05 min
 Lab File: BF099859.D
 Acq: 26 Oct 2017 14:11

Tgt Ion:139 Resp: 2846
 Ion Ratio Lower Upper
 139 100
 109 649.3 48.4 88.4#
 65 77.7 72.6 112.6

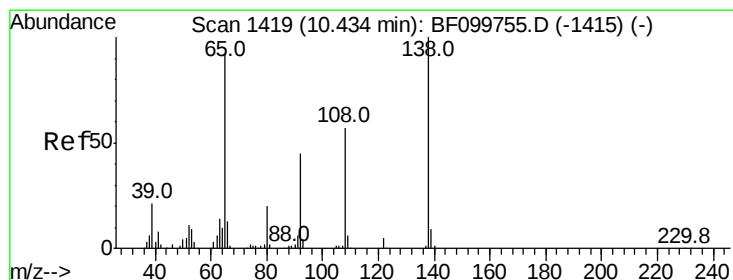
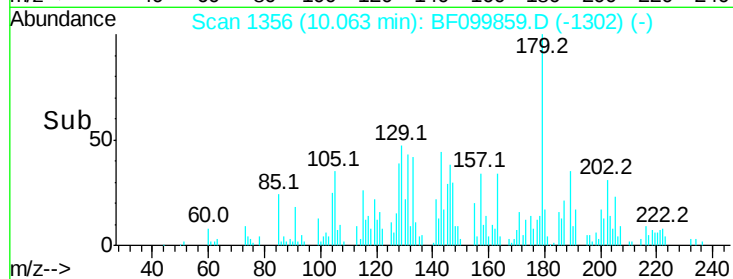
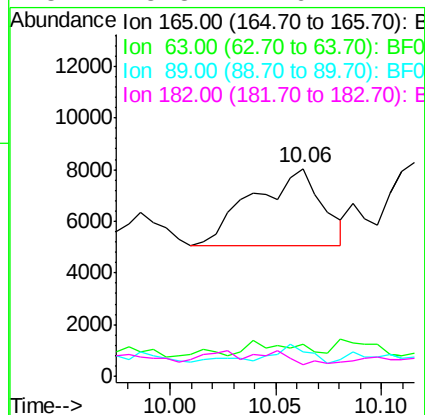
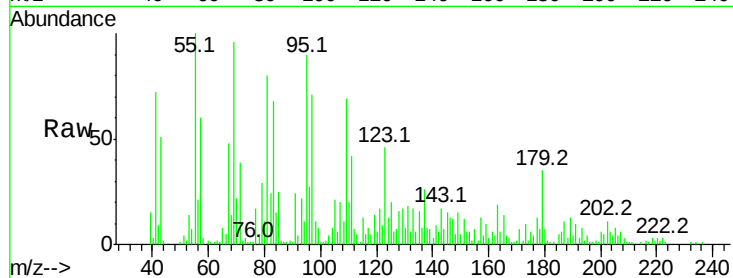




#56
2,4-Dinitrotoluene
Concen: 2.821 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.02 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

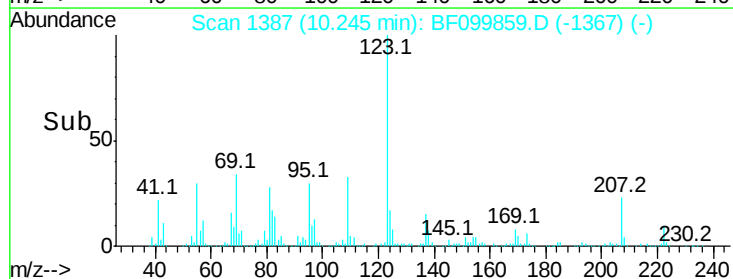
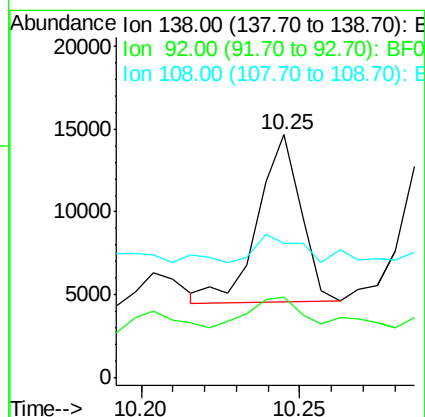
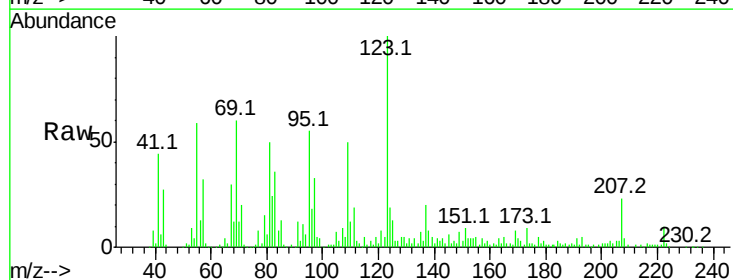
Instrument :
BNA_F
ClientSampleId :

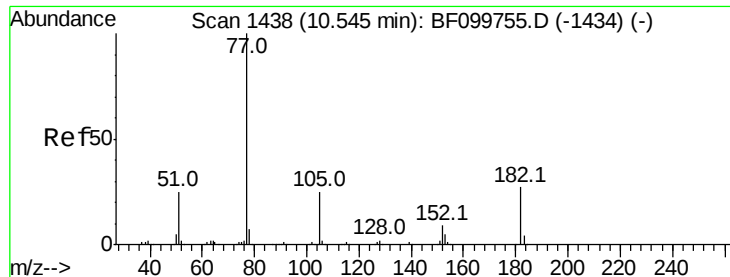
Tot Ion:165 Resp: 6725
Ion Ratio Lower Upper
165 100
63 15.6 36.4 54.6#
89 11.7 57.8 86.6#
182 5.8 1.6 2.4#



#61
4-Nitroaniline
Concen: 4.262 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.18 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

Tgt Ion:138 Resp: 9484
Ion Ratio Lower Upper
138 100
92 33.3 30.2 70.2
108 55.2 52.5 92.5





#62

Azobenzene

Concen: 5.704 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.02 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 43963

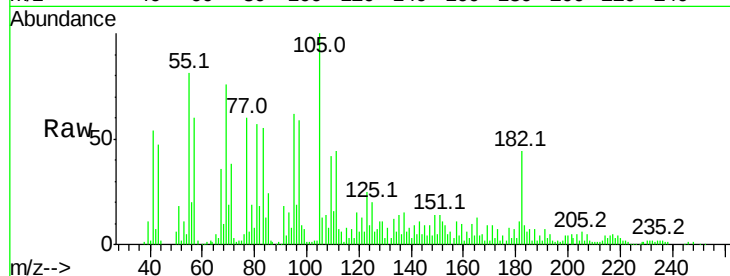
Ion Ratio Lower Upper

77 100

182 73.2 1.7 41.7#

105 166.3 3.0 43.0#

51 29.7 9.9 49.9

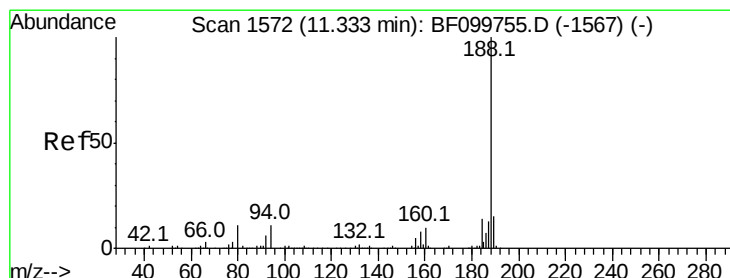
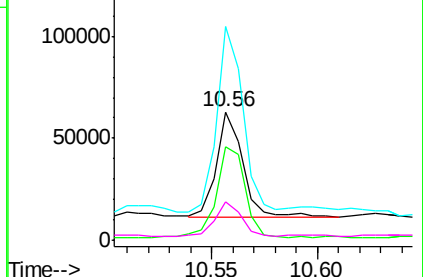
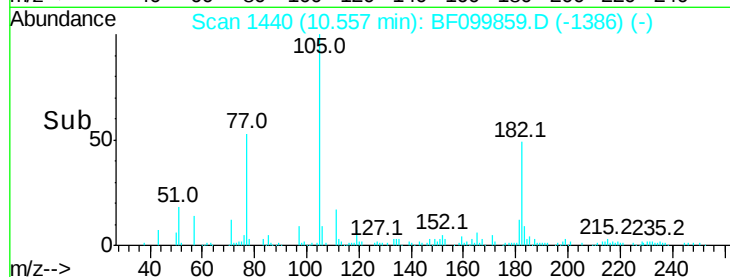


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.02 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

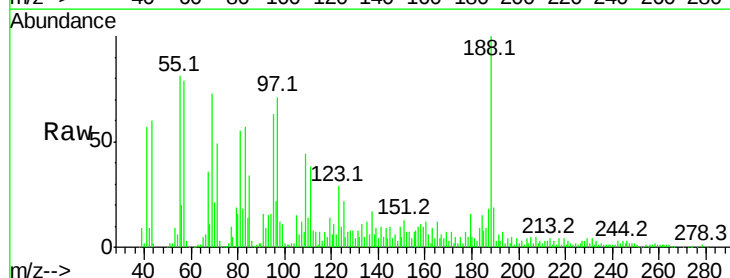
Tgt Ion: 188 Resp: 146461

Ion Ratio Lower Upper

188 100

94 16.3 8.5 12.7#

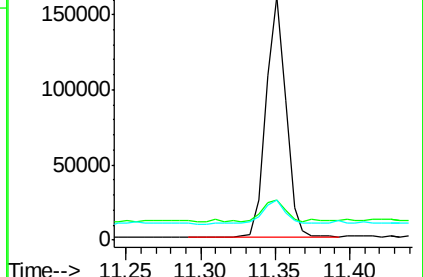
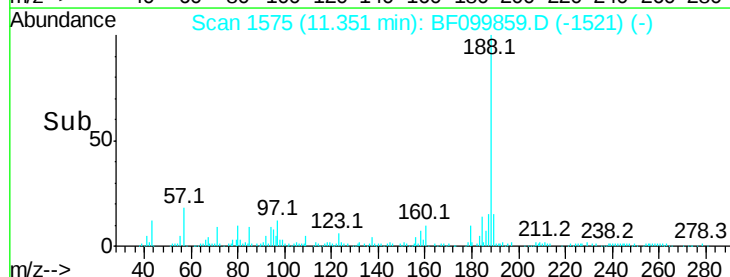
80 16.5 9.2 13.8#

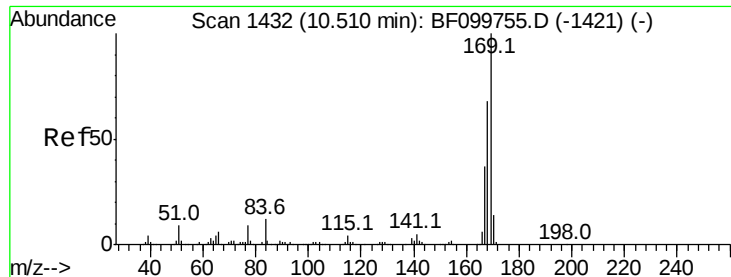


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

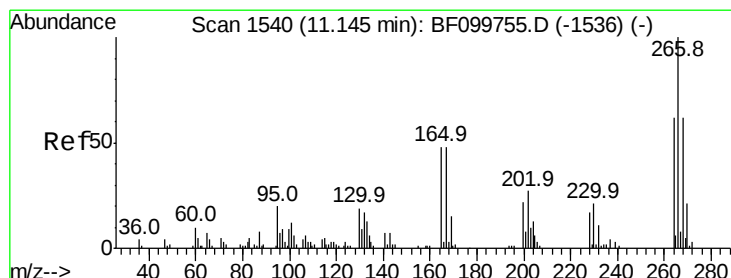
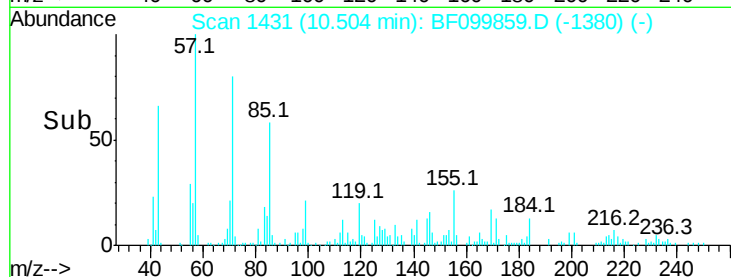
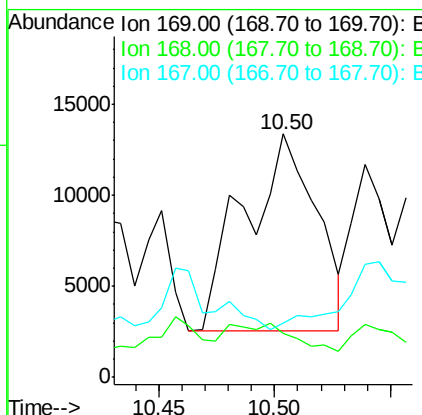
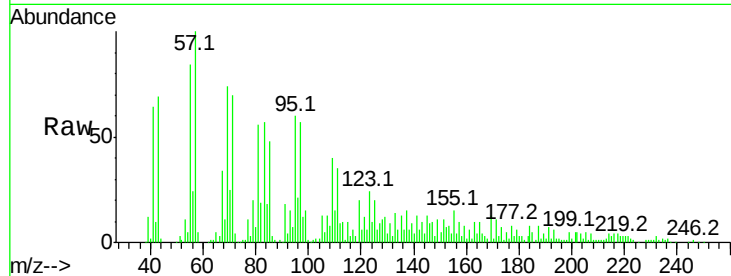




#65
n-Nitrosodiphenylamine
Concen: 4.350 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

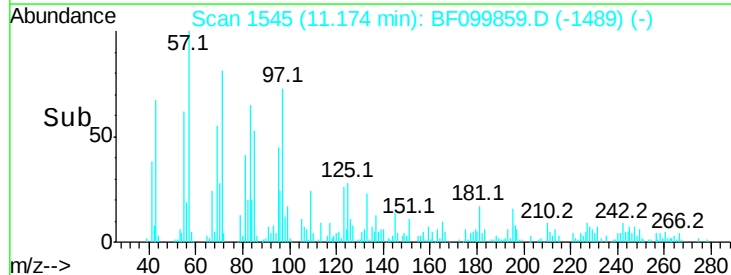
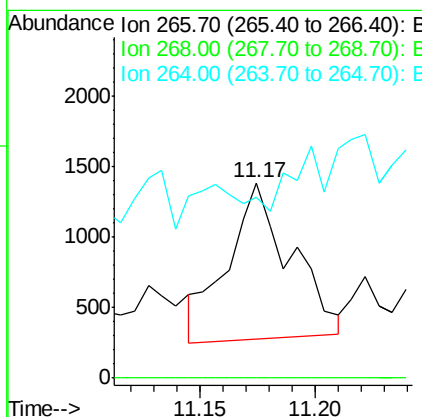
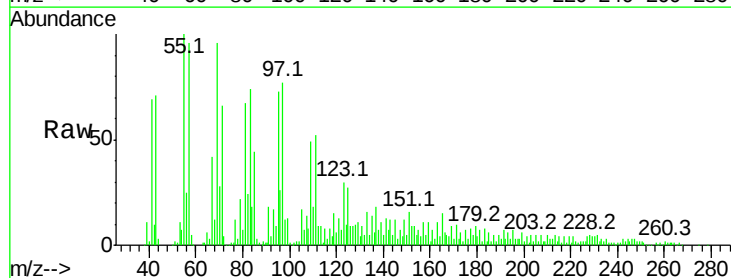
Instrument :
BNA_F
ClientSampleId :

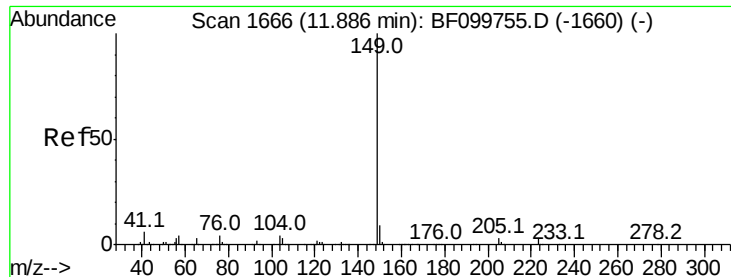
Tot Ion:169 Resp: 23520
Ion Ratio Lower Upper
169 100
168 18.3 54.4 81.6#
167 22.5 29.8 44.6#



#69
Pentachlorophenol
Concen: 3.132 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.03 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

Tgt Ion:266 Resp: 2111
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 93.1 49.5 74.3#





#73

Di-n-butylphthalate

Concen: 2.748 ng

RT: 11.89 min Scan# 1667

Delta R.T. 0.01 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

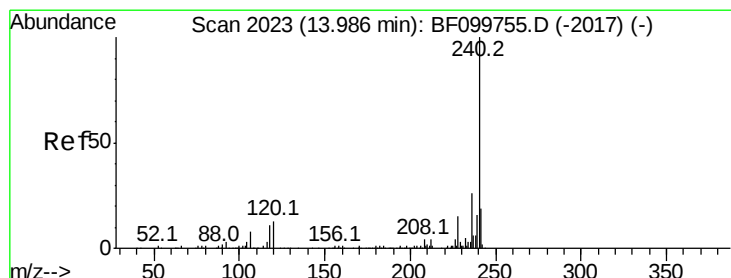
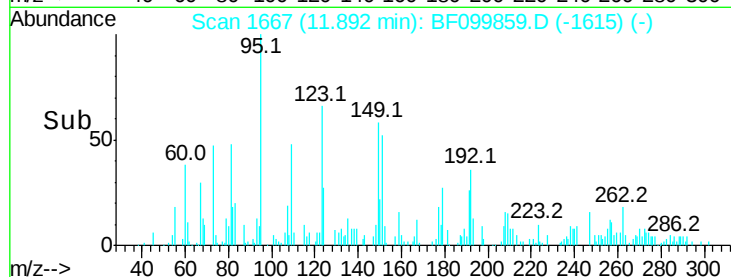
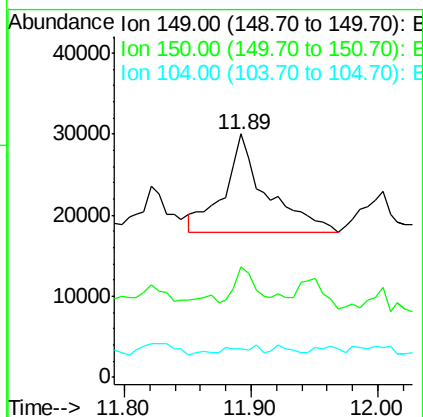
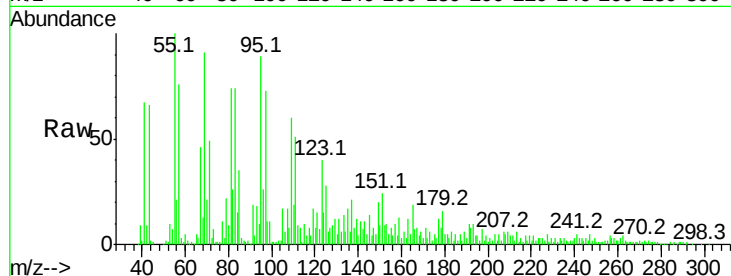
Tot Ion:149 Resp: 27650

Ion Ratio Lower Upper

149 100

150 45.4 7.8 11.6#

104 11.9 3.8 5.8#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

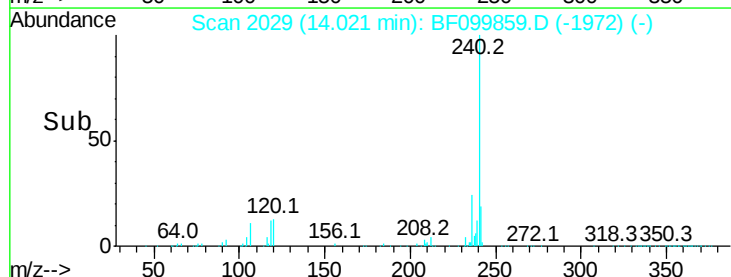
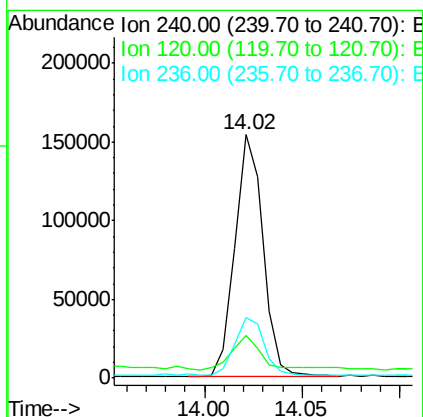
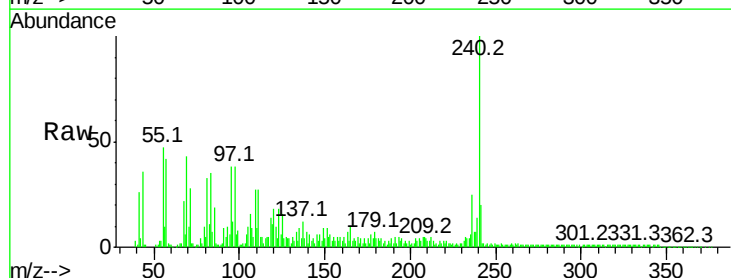
Tgt Ion:240 Resp: 152585

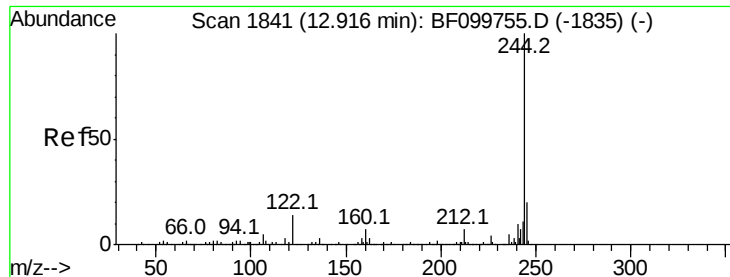
Ion Ratio Lower Upper

240 100

120 17.6 9.5 14.3#

236 24.9 20.7 31.1





#78

Terphenyl-d14

Concen: 50.837 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.04 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

Instrument :

BNA_F

ClientSampleId :

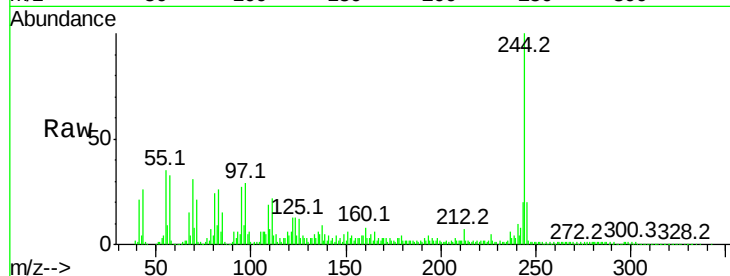
Tot Ion:244 Resp: 354950

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

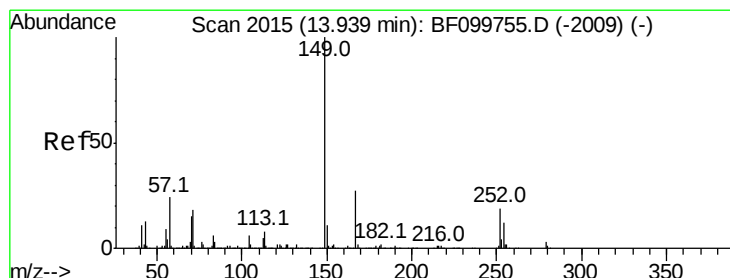
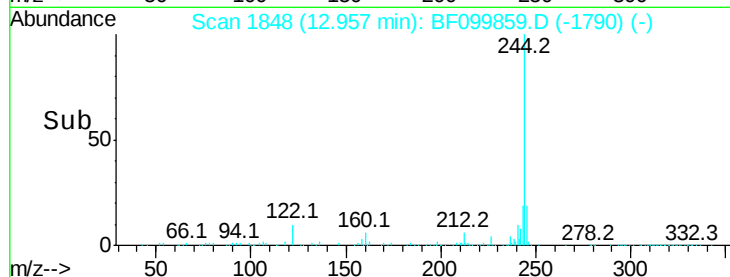
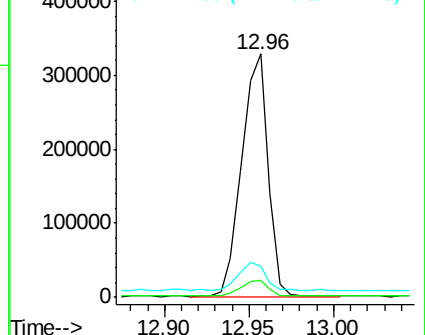
122 13.0 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.684 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.02 min

Lab File: BF099859.D

Acq: 26 Oct 2017 14:11

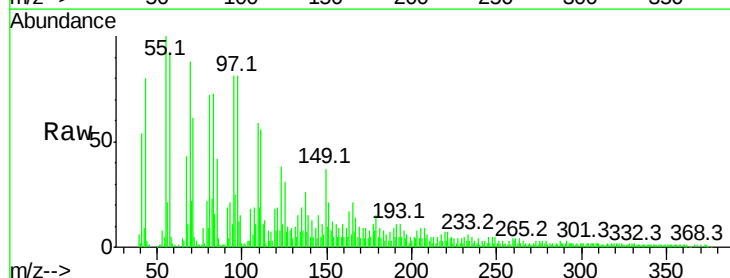
Tgt Ion:149 Resp: 21532

Ion Ratio Lower Upper

149 100

167 37.2 21.3 31.9#

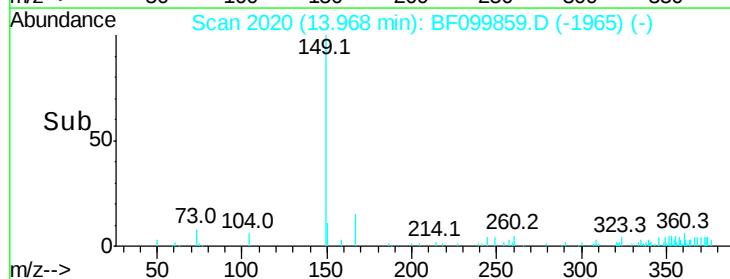
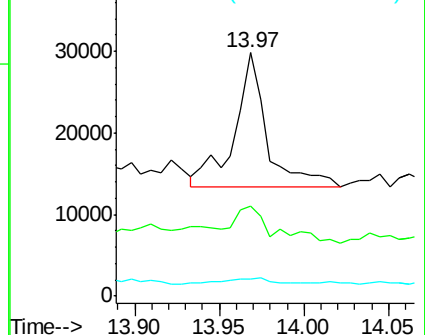
279 7.1 3.0 4.4#

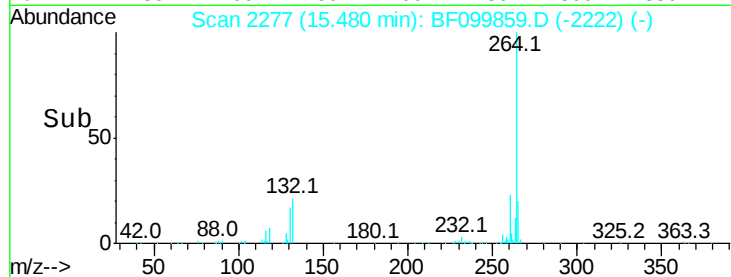
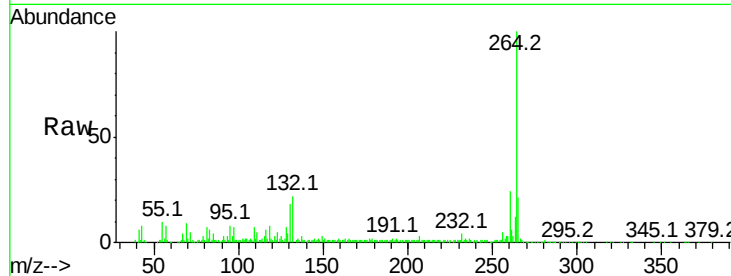
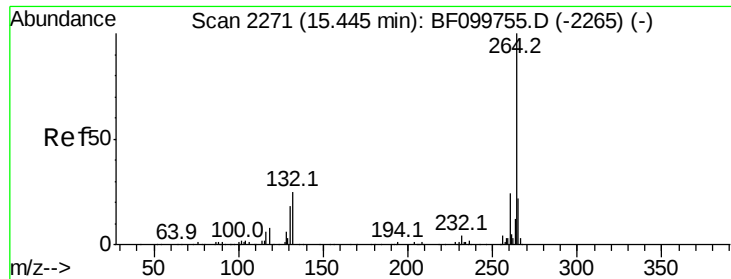


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF099859.D
Acq: 26 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.0	17.5	26.3

