

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099142.D
 Acq On : 6 Oct 2017 12:09
 Operator : SJ/JU
 Sample : I5644-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 14:32:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

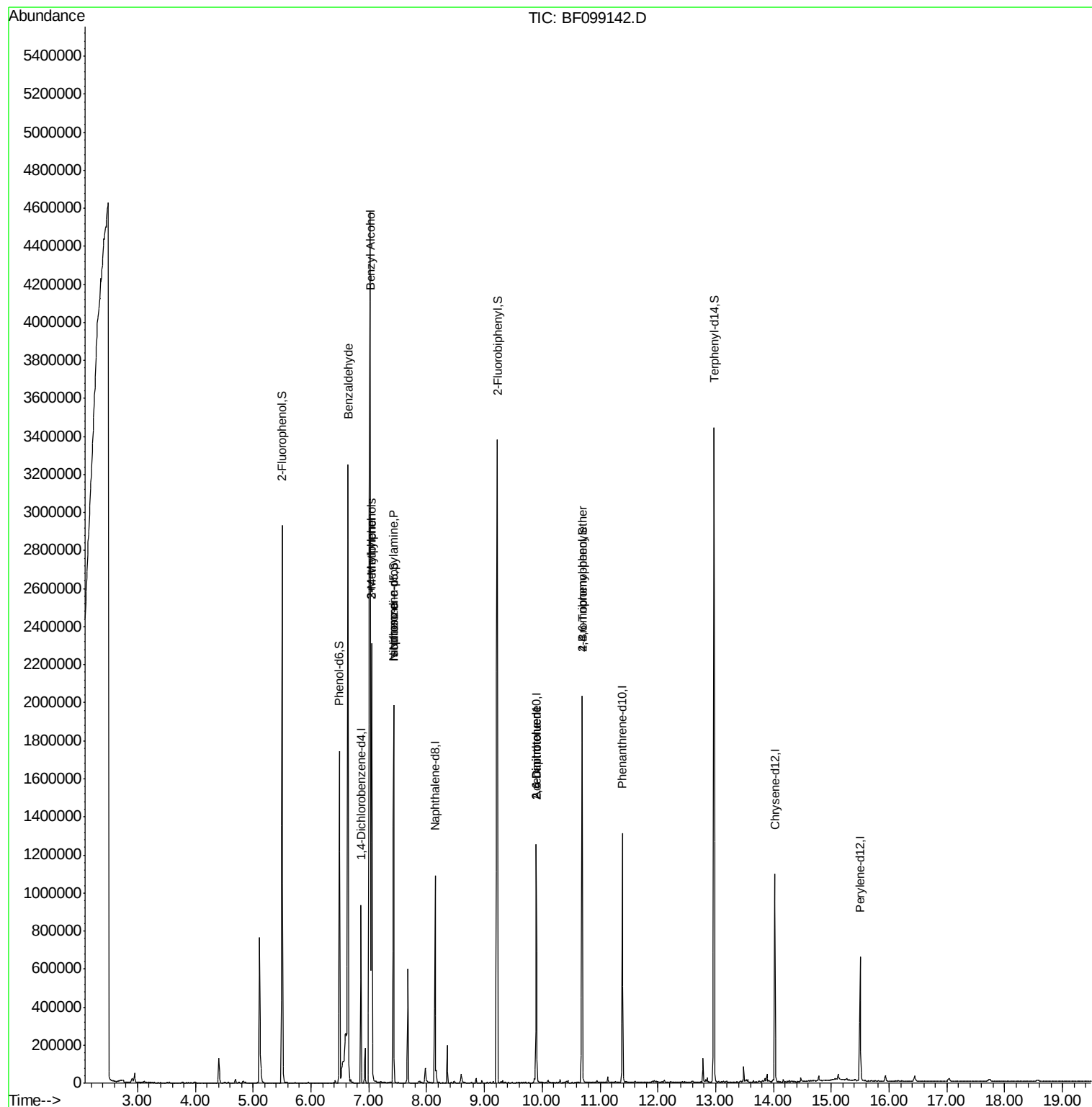
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126454	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	532470	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	242561	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	443896	20.00	ng	0.00
75) Chrysene-d12	14.02	240	356686	20.00	ng	-0.01
86) Perylene-d12	15.50	264	270457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	914907	115.18	ng	0.02
7) Phenol-d6	6.49	99	636066	64.91	ng	0.00
23) Nitrobenzene-d5	7.43	82	759472	91.47	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	274375	138.24	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1376409	94.73	ng	0.00
78) Terphenyl-d14	12.97	244	1247256	79.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.64	77	19900	3.501	ng	90
15) Benzyl Alcohol	7.02	79	913099	127.016	ng	97
17) 2-Methylphenol	7.05	107	30296	4.116	ng	# 16
19) n-Nitroso-di-n-propylamine	7.43	70	97949	15.656	ng	# 74
20) 3+4-Methylphenols	7.05	107	30296	3.254	ng	# 1
25) Isophorone	7.43	82	759458	44.241	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	31142	7.814	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	31142	6.021	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	18186	4.185	ng	# 1

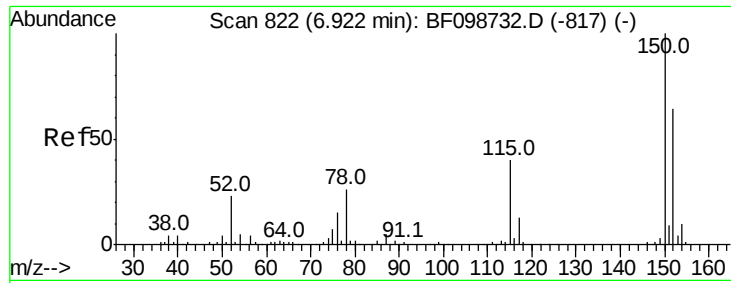
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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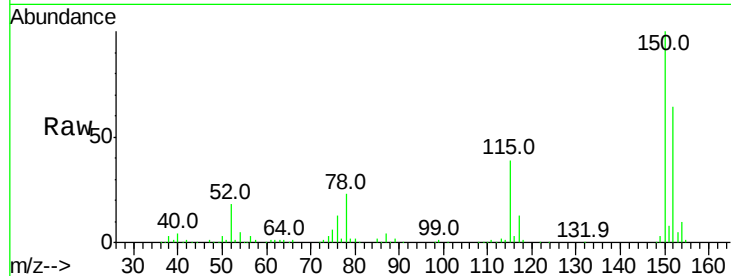




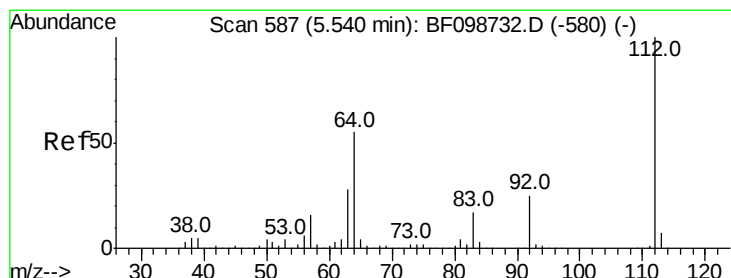
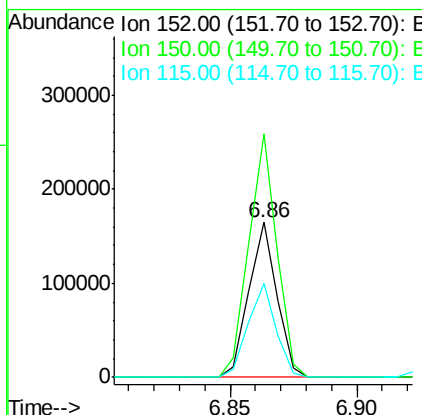
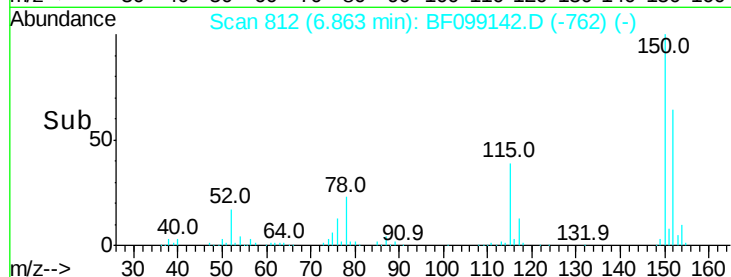
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099142.D
 Acq: 6 Oct 2017 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 126454
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 60.6 50.1 75.1

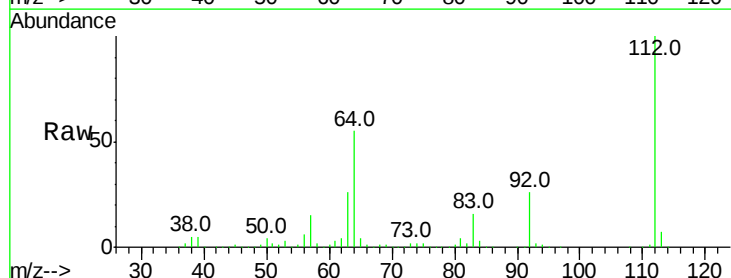


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

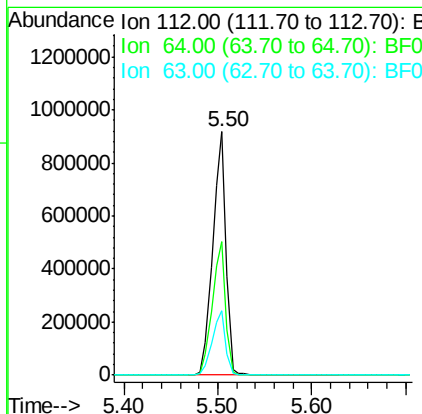
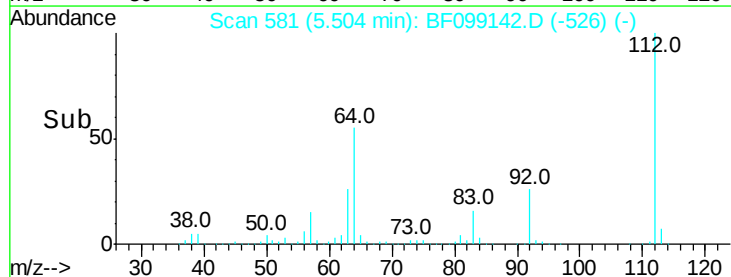


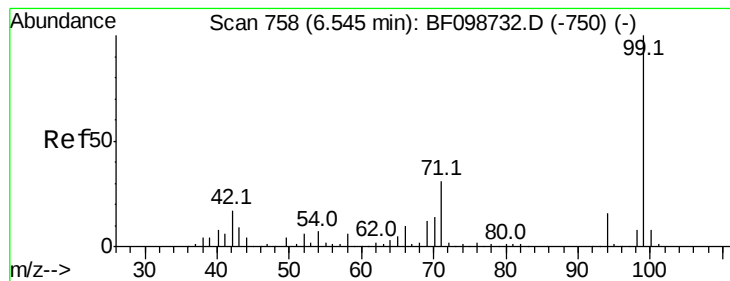
#5
 2-Fluorophenol
 Concen: 115.176 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.02 min
 Lab File: BF099142.D
 Acq: 6 Oct 2017 12:09

Tgt Ion:112 Resp: 914907
 Ion Ratio Lower Upper
 112 100
 64 54.7 47.9 71.9
 63 26.5 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: 64.909 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

Instrument :

BNA_F

ClientSampleId :

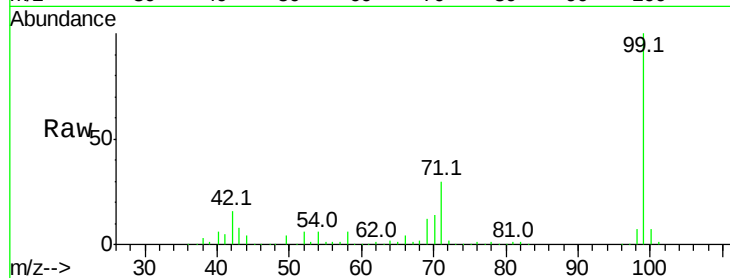
Tot Ion: 99 Resp: 636066

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

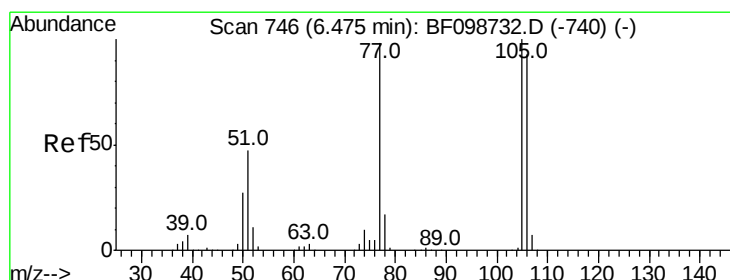
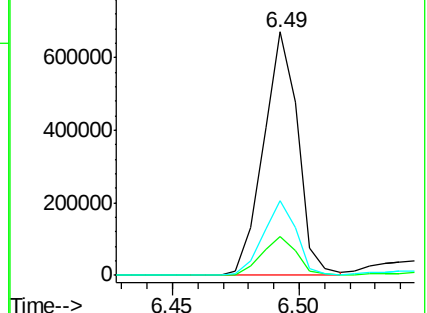
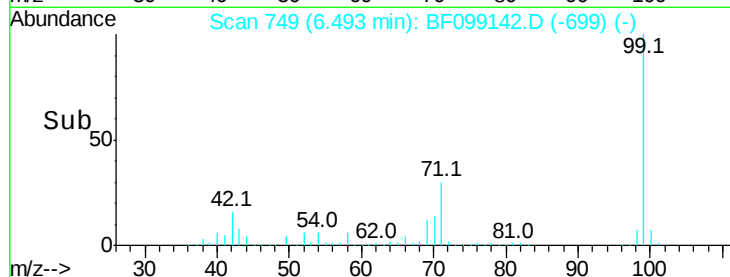
71 30.5 25.4 38.0



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: 3.501 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

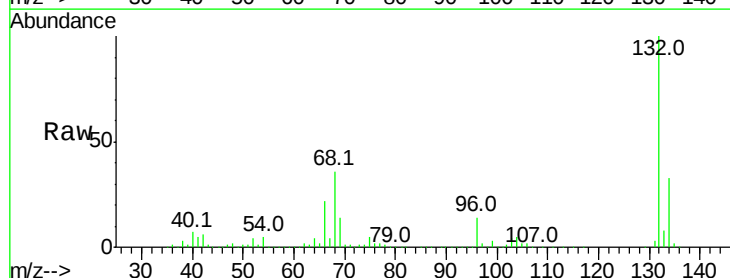
Tgt Ion: 77 Resp: 19900

Ion Ratio Lower Upper

77 100

105 92.6 81.1 121.1

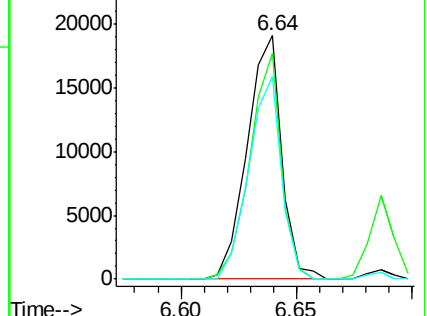
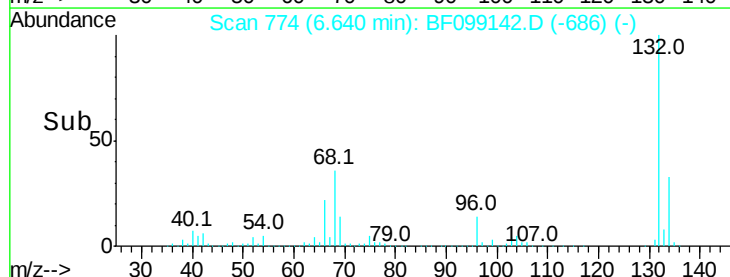
106 83.3 74.5 114.5

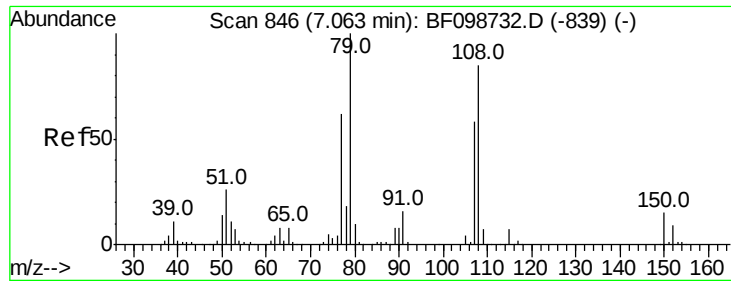


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

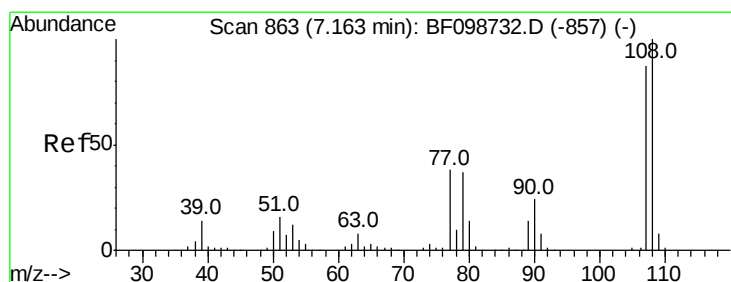
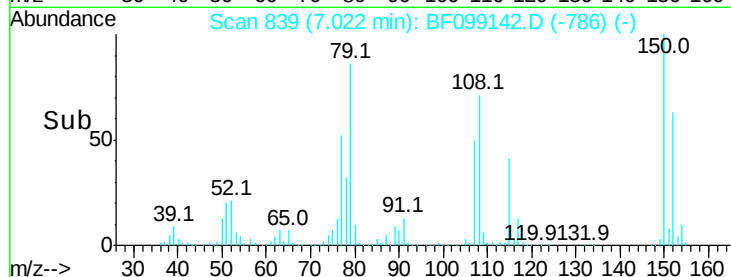
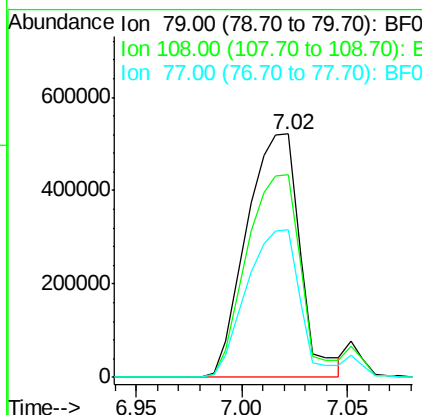
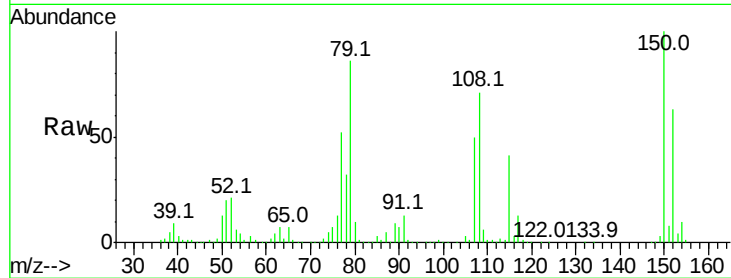




#15
Benzyl Alcohol
Concen: 127.016 ng
RT: 7.02 min Scan# 839
Delta R.T. 0.01 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

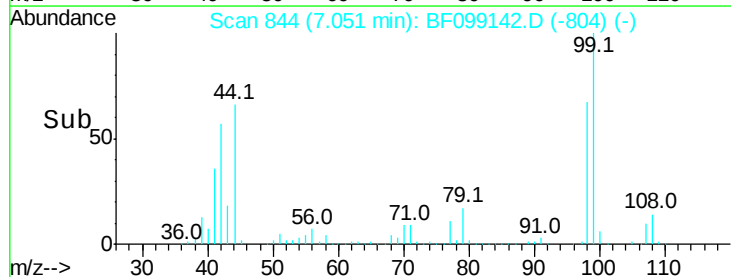
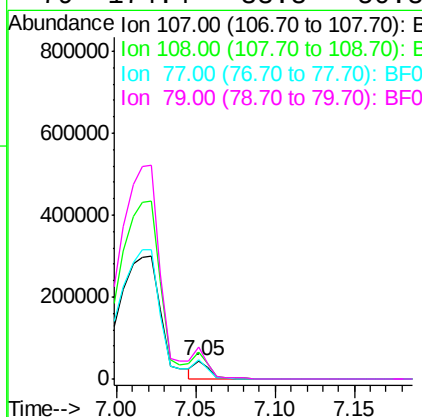
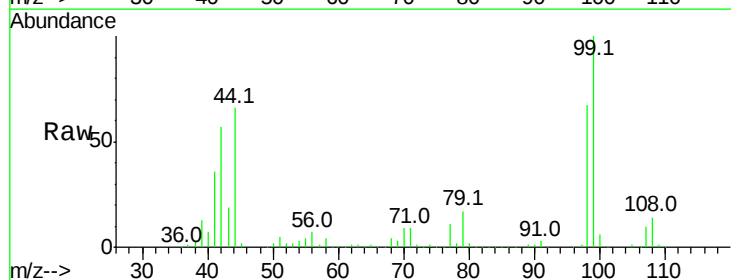
Instrument :
BNA_F
ClientSampleId :

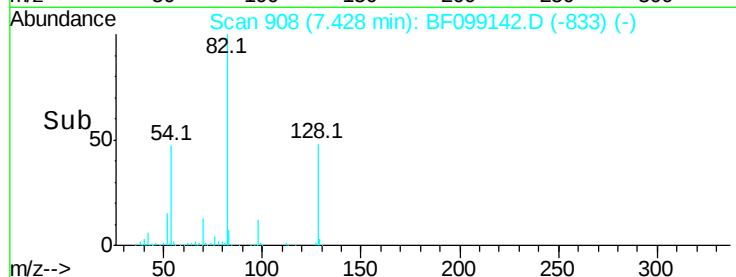
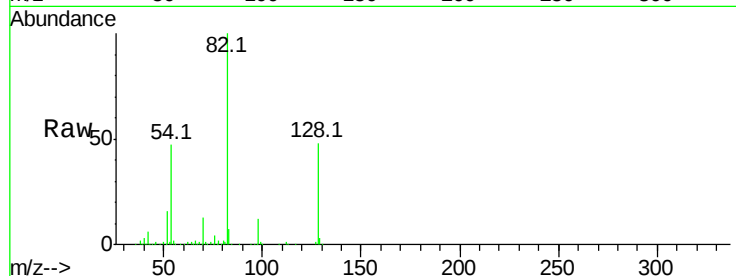
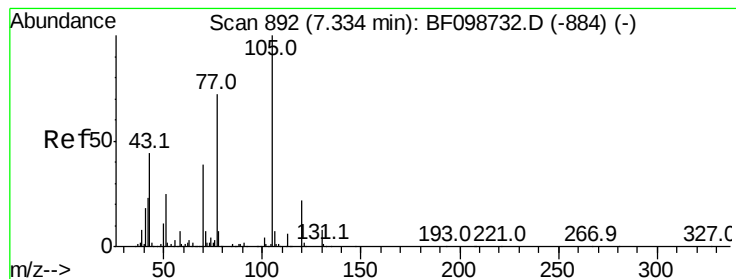
Tot Ion: 79 Resp: 913099
Ion Ratio Lower Upper
79 100
108 83.1 65.1 97.7
77 60.5 50.6 75.8



#17
2-Methylphenol
Concen: 4.116 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.06 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

Tgt Ion: 107 Resp: 30296
Ion Ratio Lower Upper
107 100
108 148.2 91.7 137.5#
77 108.3 33.8 50.8#
79 174.4 33.8 50.8#





#19

n-Nitroso-di-n-propylamine

Concen: 15.656 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 97949

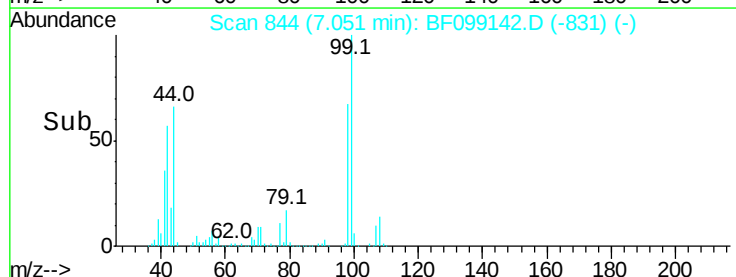
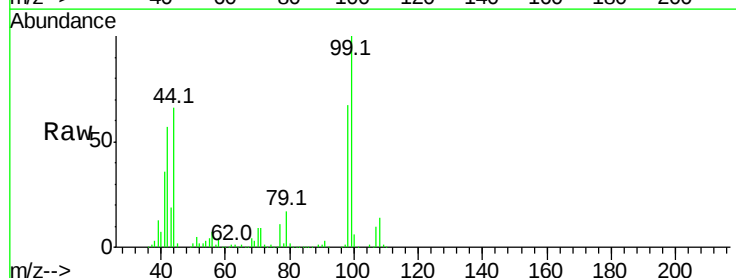
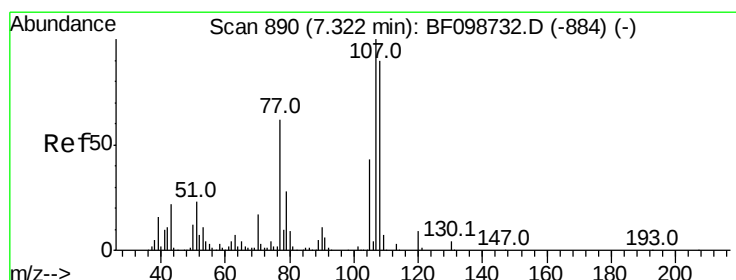
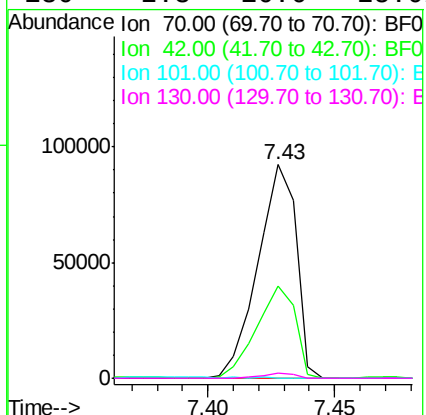
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#20

3+4-Methylphenols

Concen: 3.254 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.22 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

Tgt Ion:107 Resp: 30296

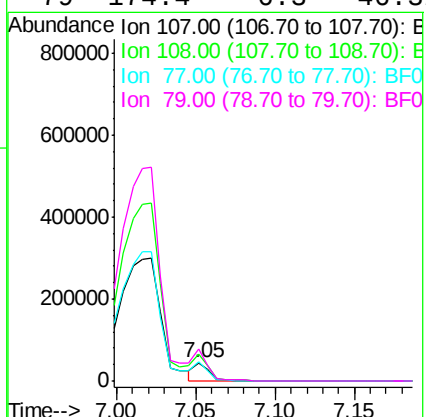
Ion Ratio Lower Upper

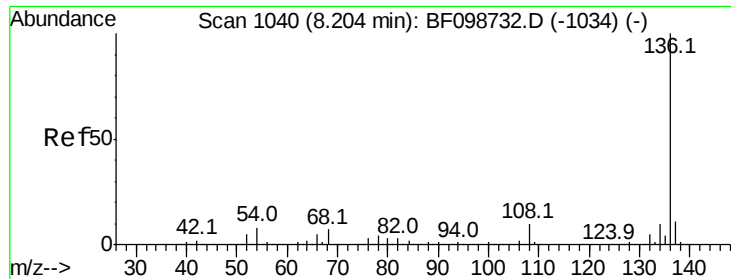
107 100

108 148.2 68.2 108.2#

77 108.3 26.7 66.7#

79 174.4 6.3 46.3#

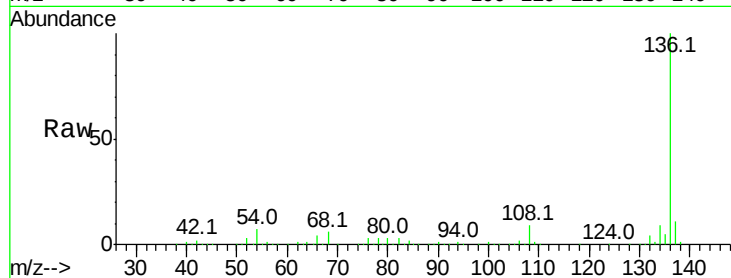




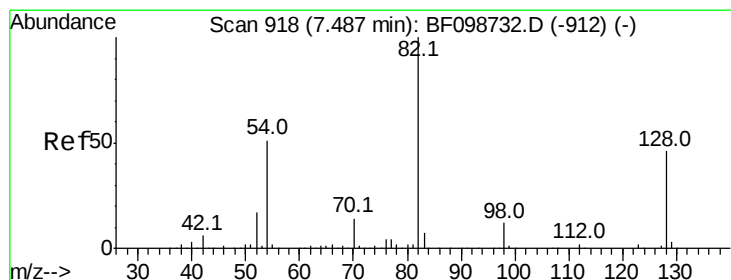
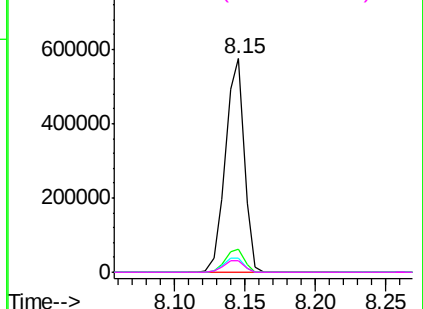
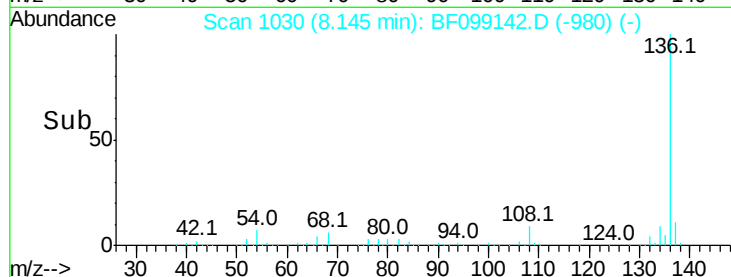
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	532470
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	6.8	6.6 9.8
68	5.5	5.0 7.4

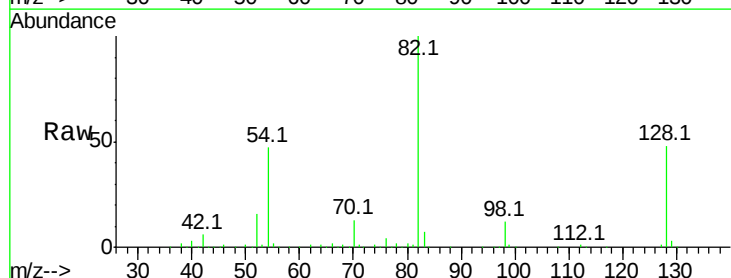


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

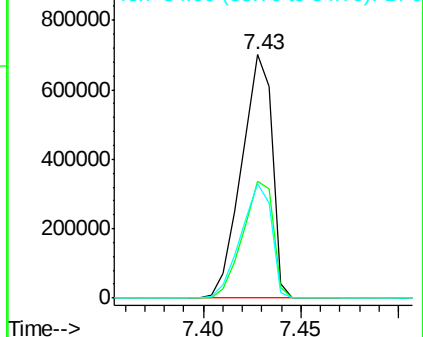
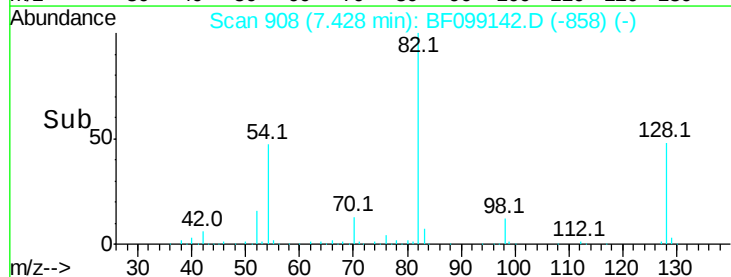


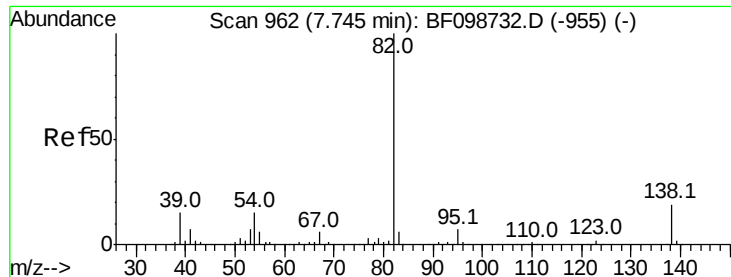
#23
Nitrobenzene-d5
Concen: 91.470 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

Tgt Ion: 82	Resp:	759472
Ion	Ratio	Lower Upper
82	100	
128	47.8	36.1 54.1
54	46.8	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: 44.241 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

Instrument :

BNA_F

ClientSampled :

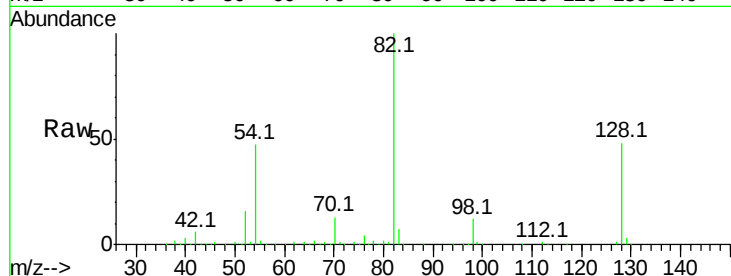
Tot Ion: 82 Resp: 759458

Ion Ratio Lower Upper

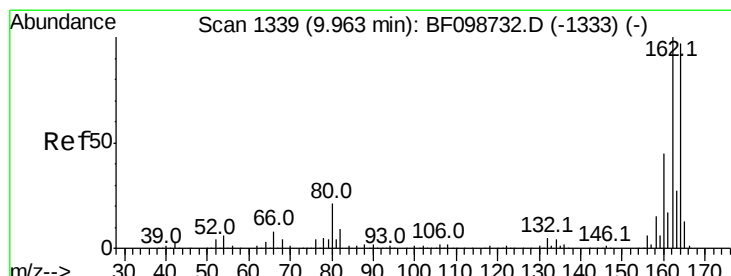
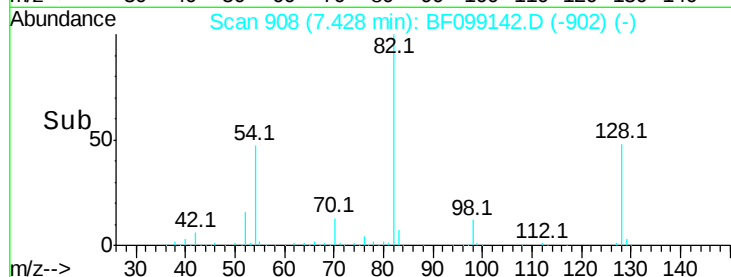
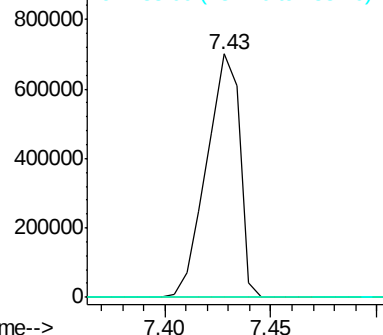
82 100

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: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

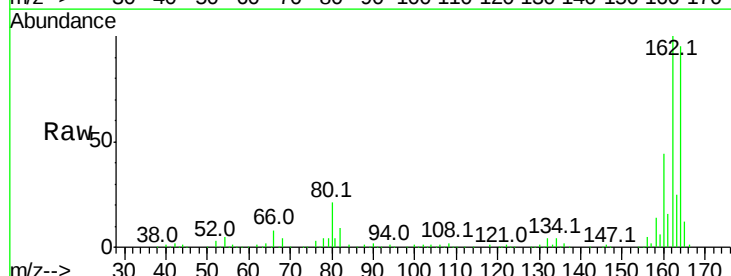
Tgt Ion:164 Resp: 242561

Ion Ratio Lower Upper

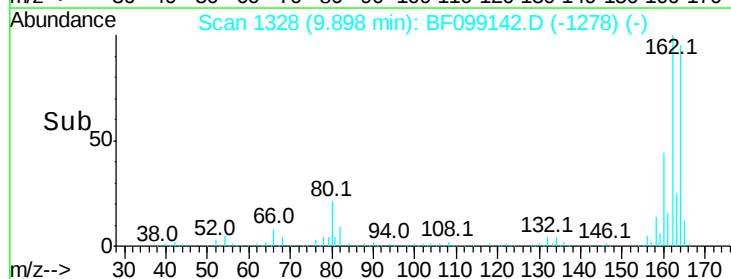
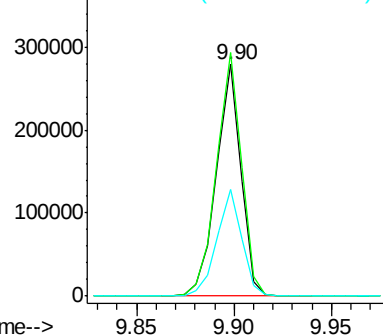
164 100

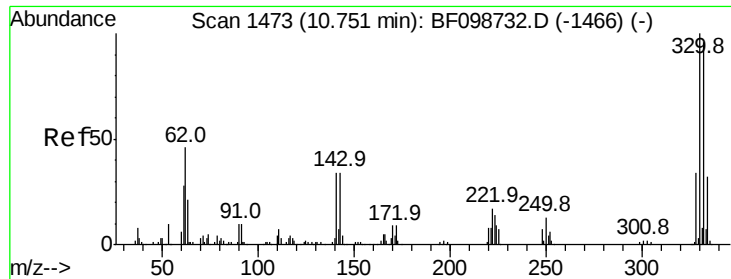
162 105.0 86.1 129.1

160 46.0 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

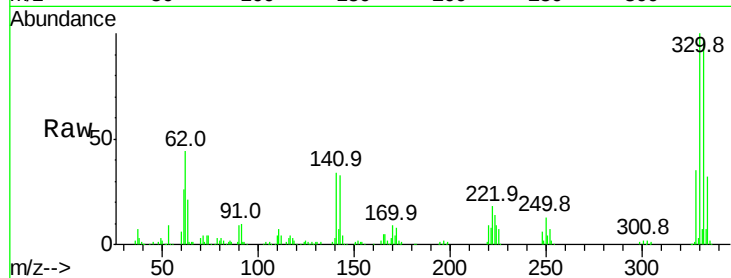




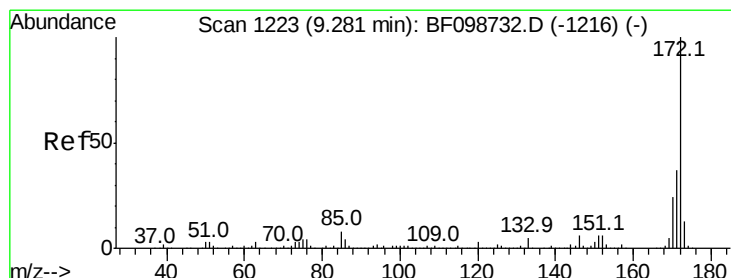
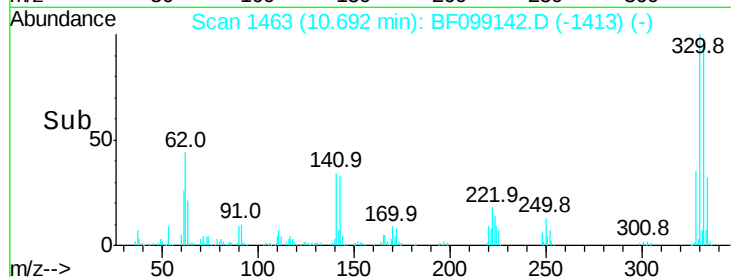
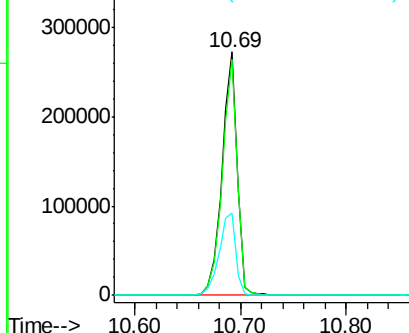
#41
 2,4,6-Tribromophenol
 Concen: 138.238 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099142.D
 Acq: 6 Oct 2017 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	37.4	29.9	44.9

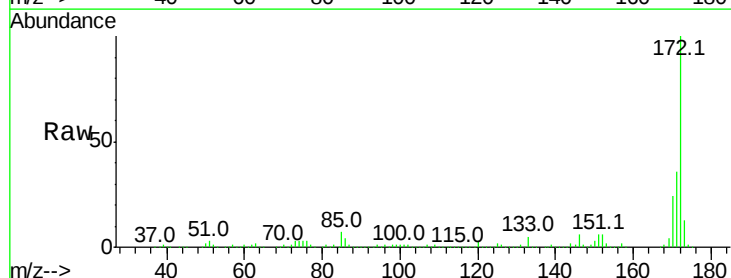


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

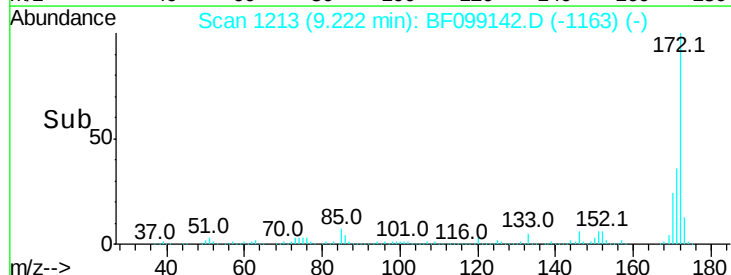
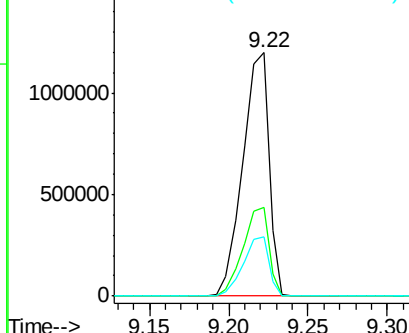


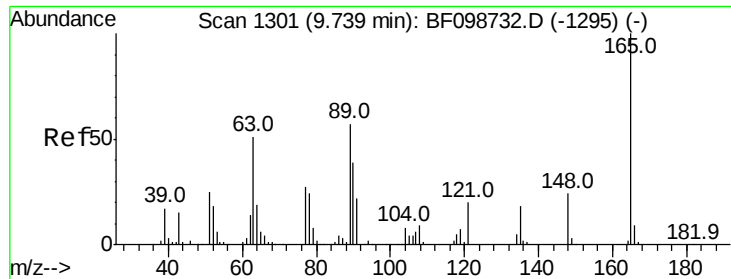
#44
 2-Fluorobiphenyl
 Concen: 94.731 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099142.D
 Acq: 6 Oct 2017 12:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	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

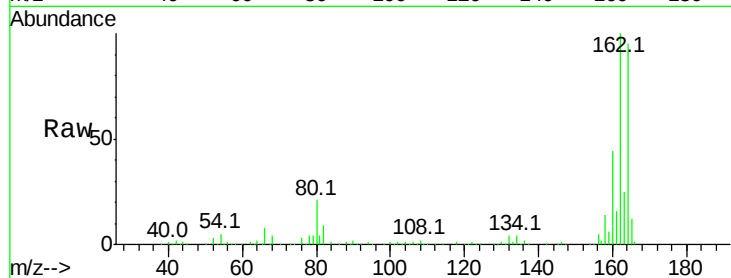




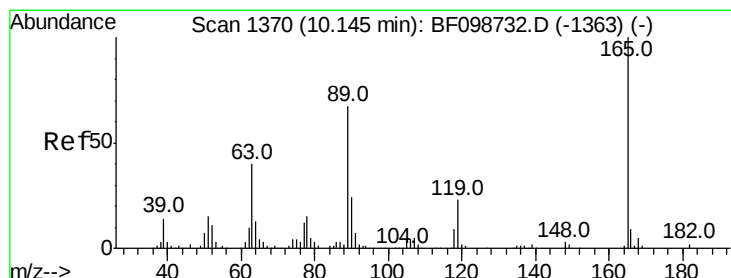
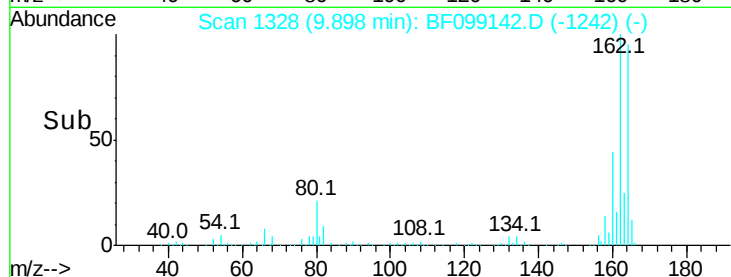
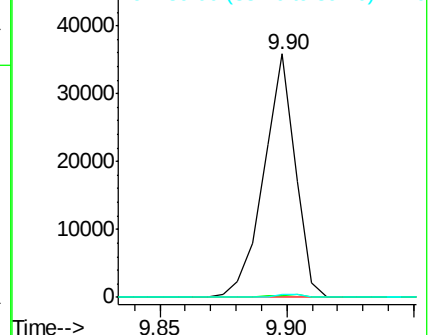
#50
2,6-Dinitrotoluene
Concen: 7.814 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.3	44.0	66.0#

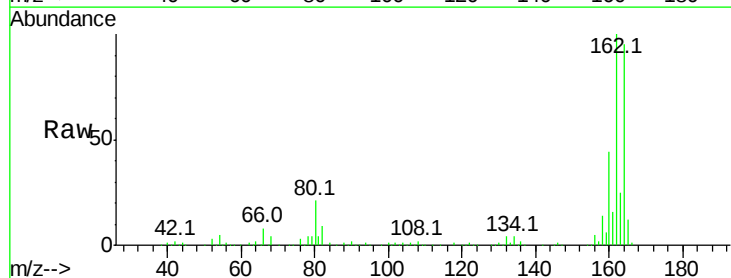


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

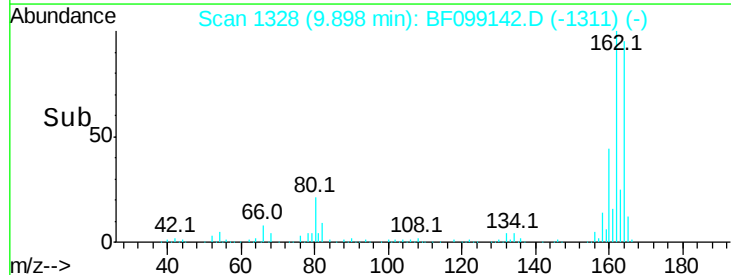
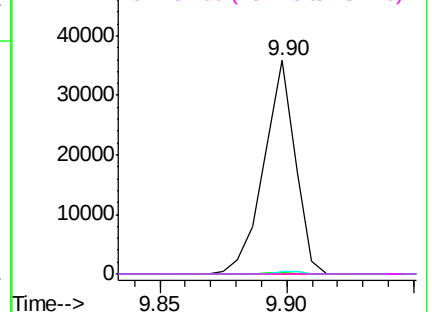


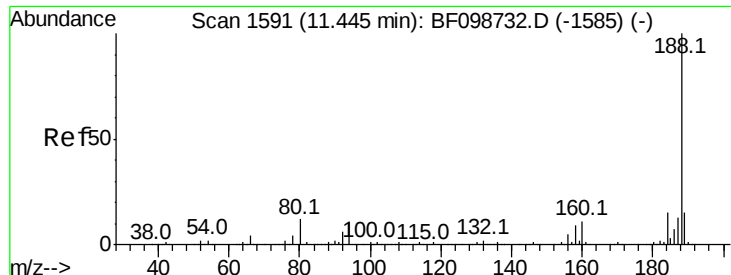
#56
2,4-Dinitrotoluene
Concen: 6.021 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

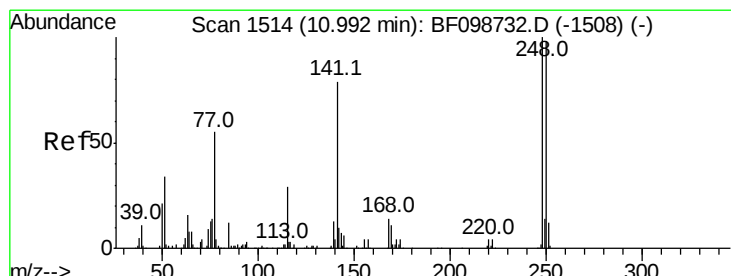
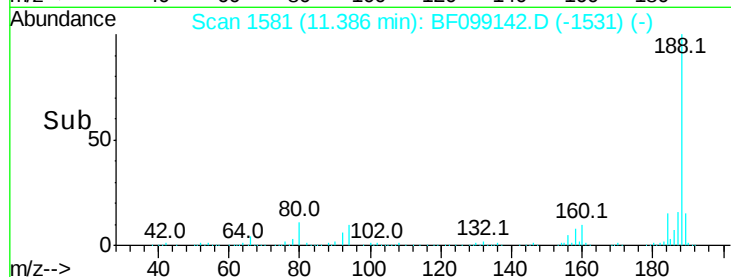
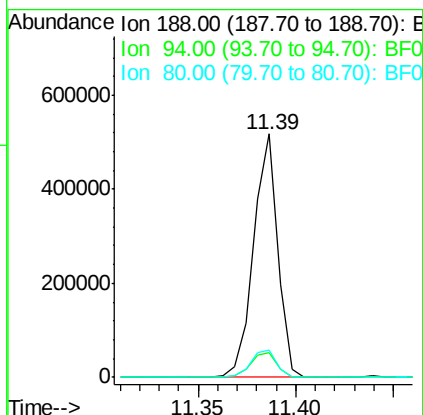
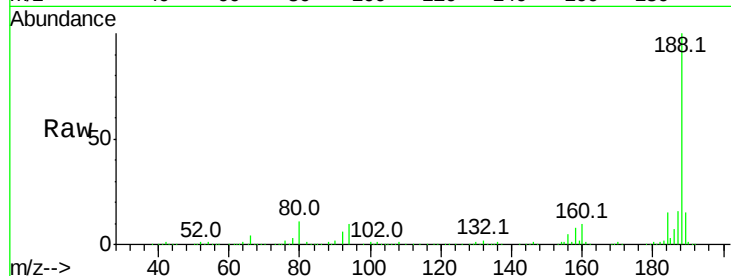




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF099142.D
 Acq: 6 Oct 2017 12:09

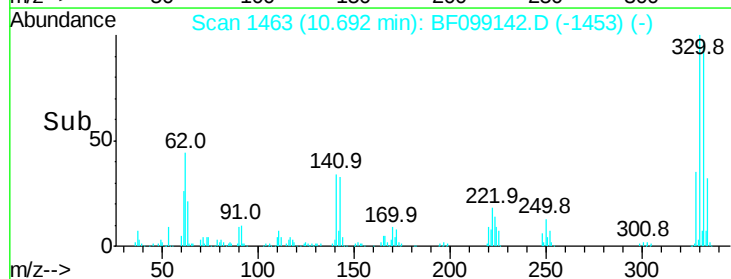
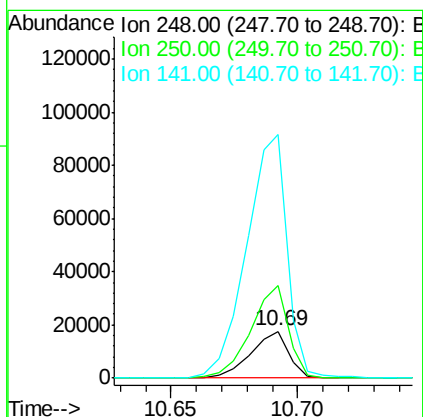
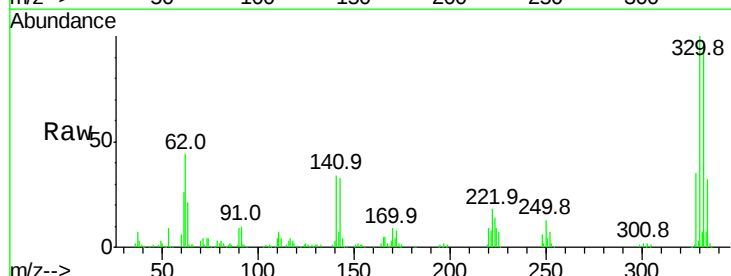
Instrument :
 BNA_F
 ClientSampleId :

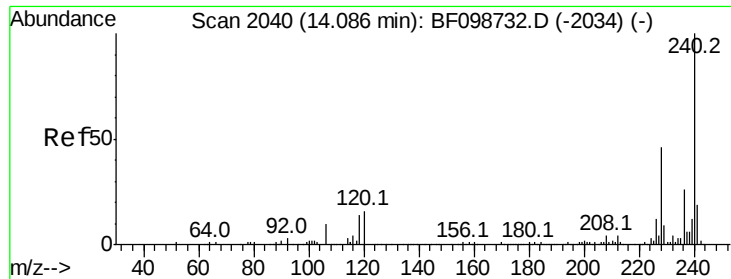
Tot Ion:188 Resp: 443896
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 11.0 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.185 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099142.D
 Acq: 6 Oct 2017 12:09

Tgt Ion:248 Resp: 18186
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.9 115.3#
 141 518.0 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

Instrument :

BNA_F

ClientSampleId :

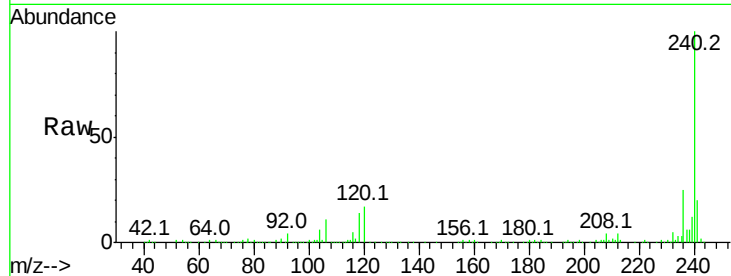
Tot Ion:240 Resp: 356686

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

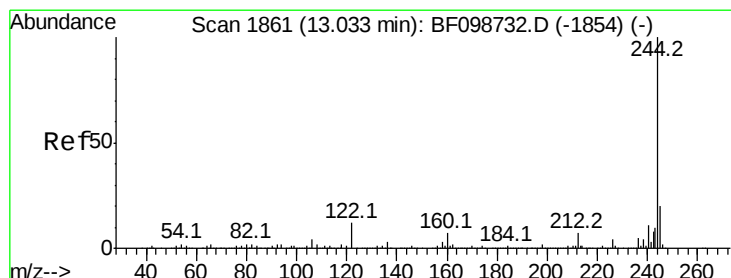
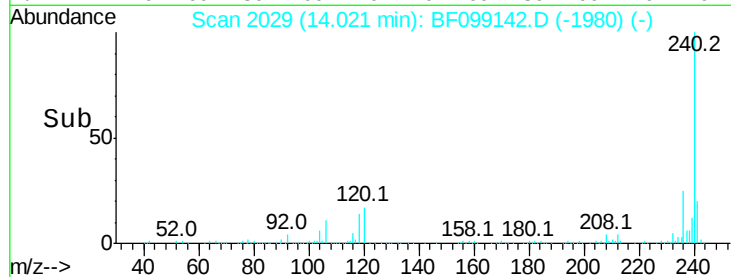
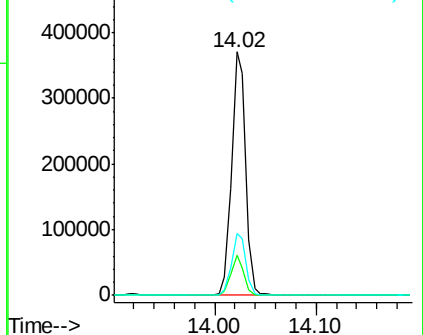
236 25.4 20.7 31.1



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: 79.524 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099142.D

Acq: 6 Oct 2017 12:09

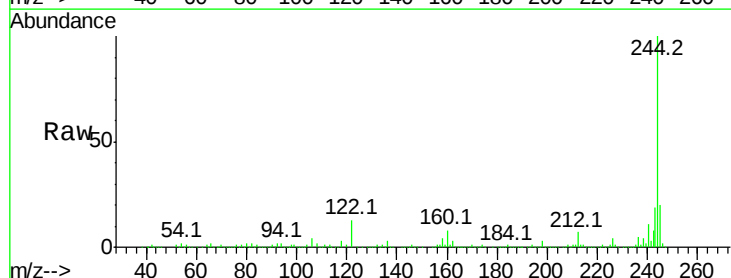
Tgt Ion:244 Resp: 1247256

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

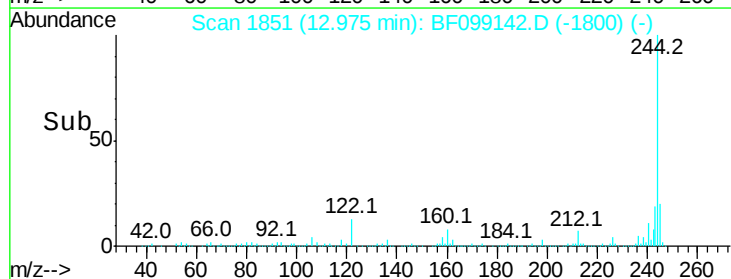
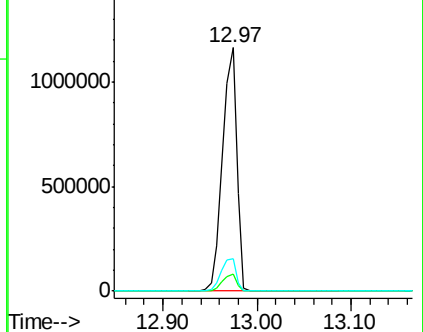
122 13.2 11.0 16.4

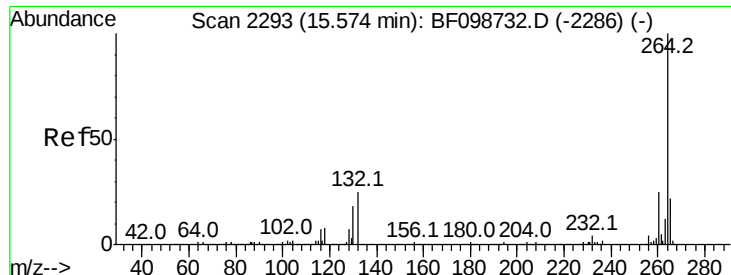


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

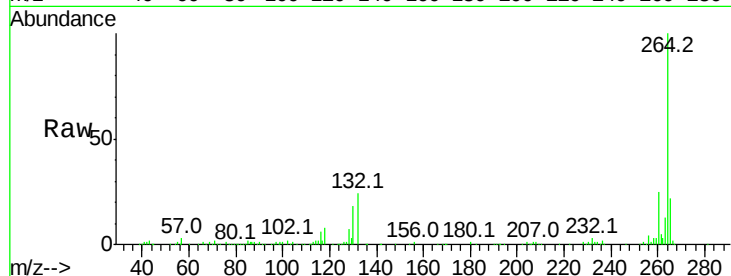




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099142.D
Acq: 6 Oct 2017 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 270457
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.7 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

