

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099312.D
 Acq On : 10 Oct 2017 20:54
 Operator : SJ/JU
 Sample : I5745-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 00:52:07 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

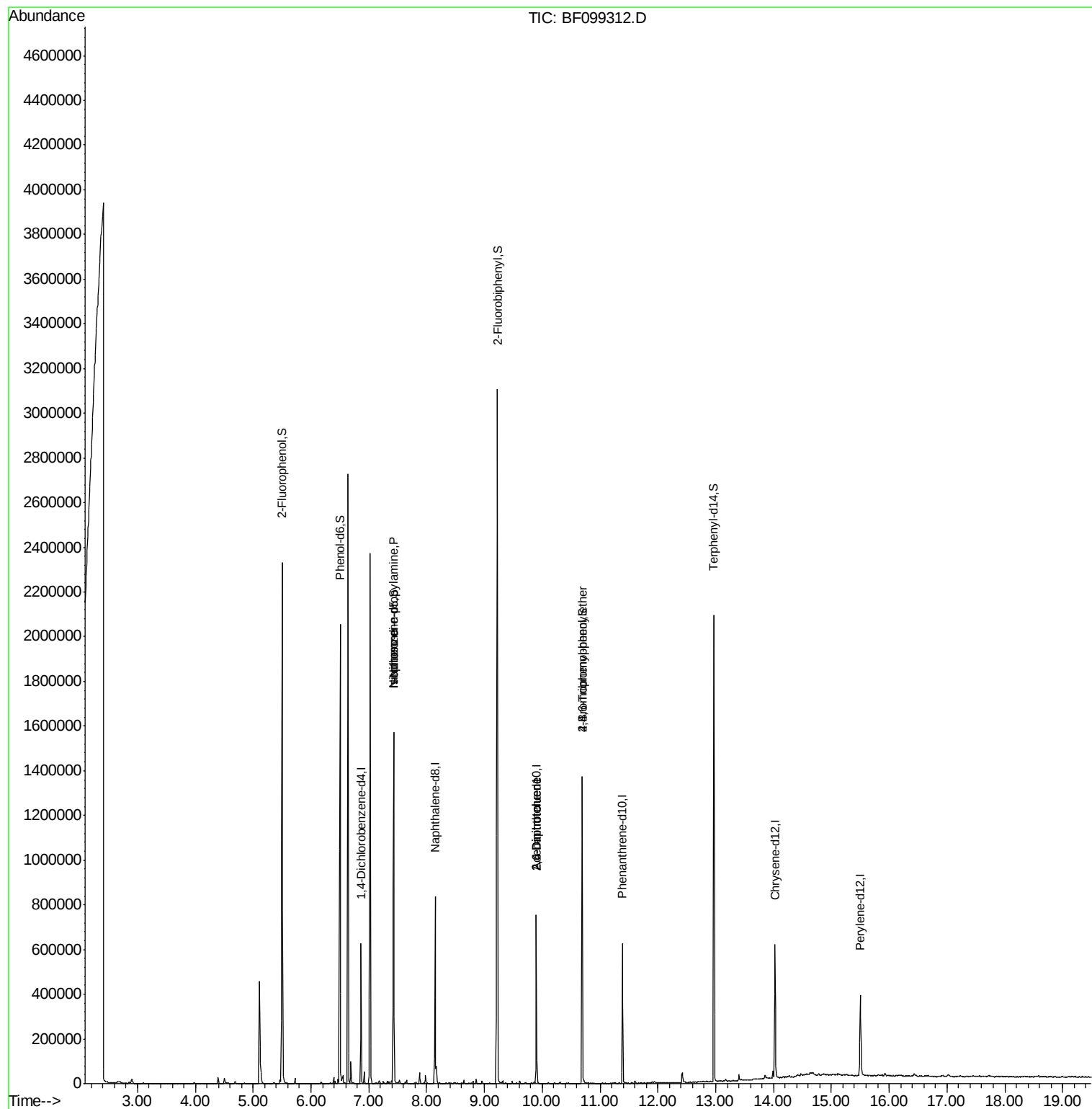
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	89111	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	356454	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	140620	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	203684	20.00	ng	0.00
75) Chrysene-d12	14.03	240	179368	20.00	ng	0.00
86) Perylene-d12	15.50	264	157897	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	738247	131.88	ng	0.02
7) Phenol-d6	6.50	99	783295	113.43	ng	0.00
23) Nitrobenzene-d5	7.43	82	567286	102.06	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	159850	138.92	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1017568	120.80	ng	0.00
78) Terphenyl-d14	12.97	244	709168	89.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	73647	16.70	ng	# 71
25) Isophorone	7.43	82	567282	49.36	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	17784	7.70	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	17784	5.93	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	10892	5.46	ng	# 1

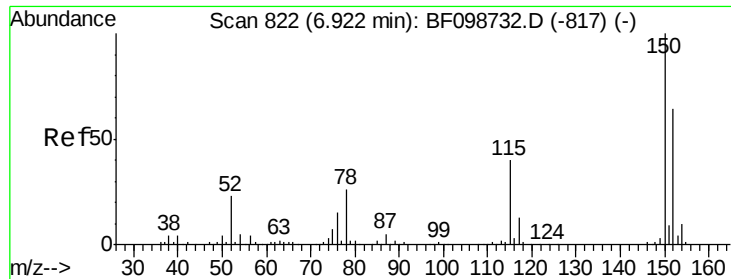
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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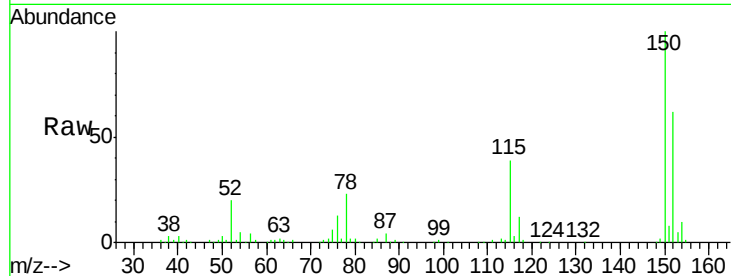


#1

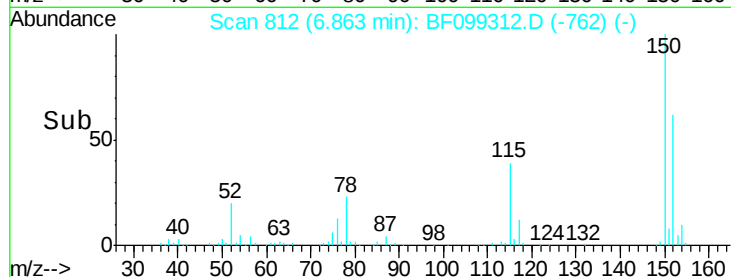
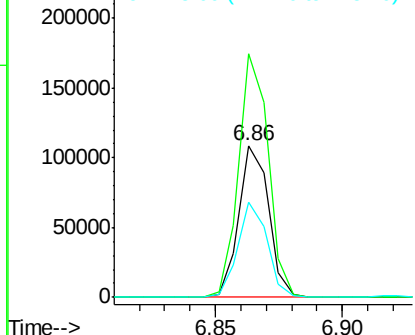
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 89111
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.2 50.1 75.1



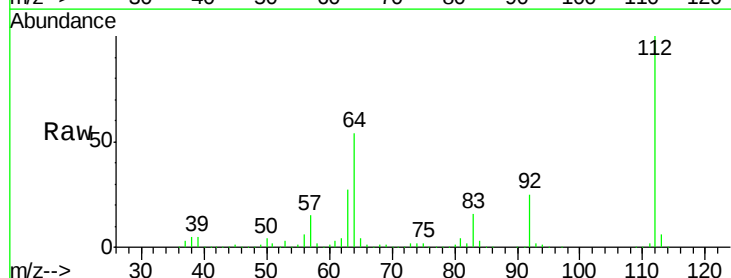
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



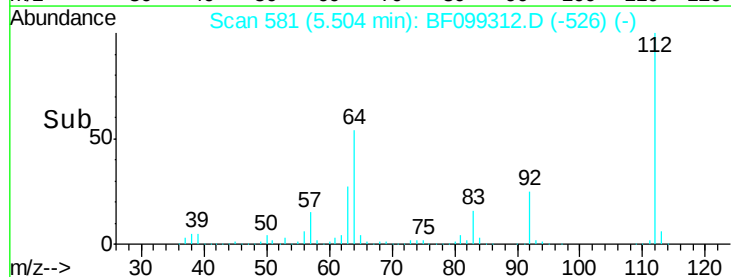
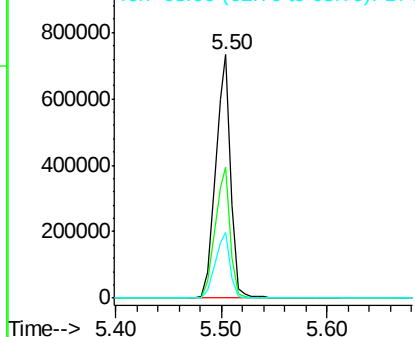
#5

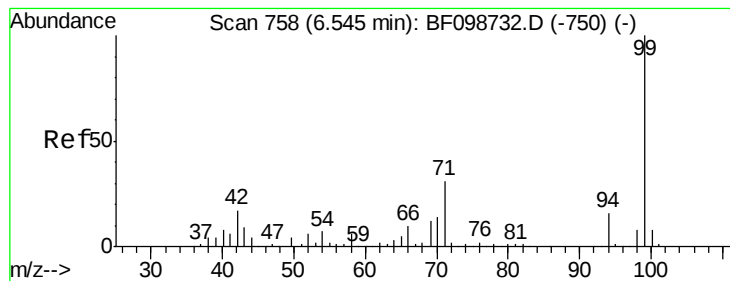
2-Fluorophenol
Concen: 131.88 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Tgt Ion:112 Resp: 738247
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.0 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: 113.43 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099312.D

Acq: 10 Oct 2017 20:54

Instrument :

BNA_F

ClientSampled :

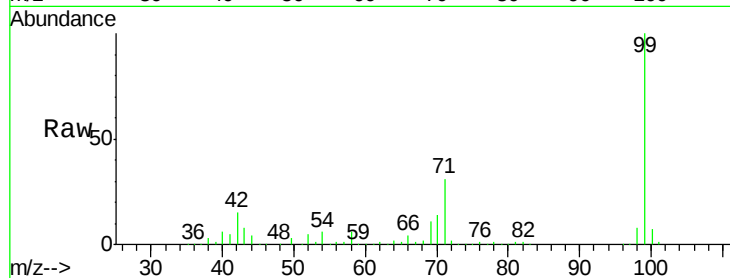
Tot Ion: 99 Resp: 783295

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

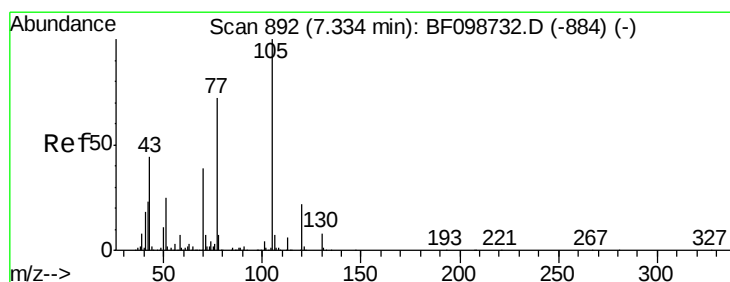
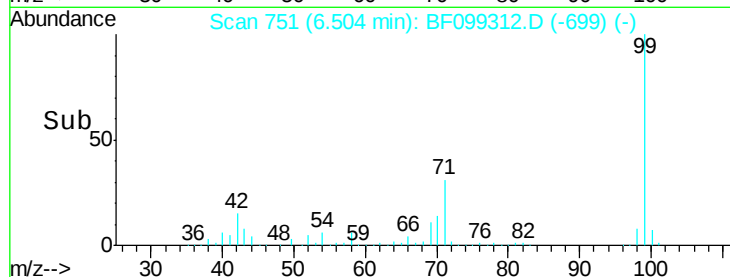
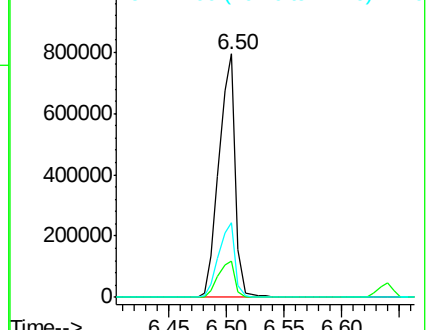
71 30.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.70 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF099312.D

Acq: 10 Oct 2017 20:54

Tgt Ion: 70 Resp: 73647

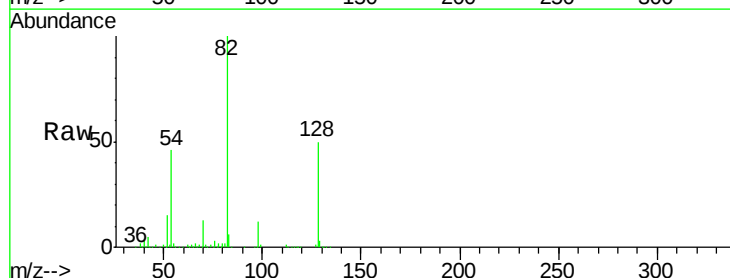
Ion Ratio Lower Upper

70 100

42 40.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

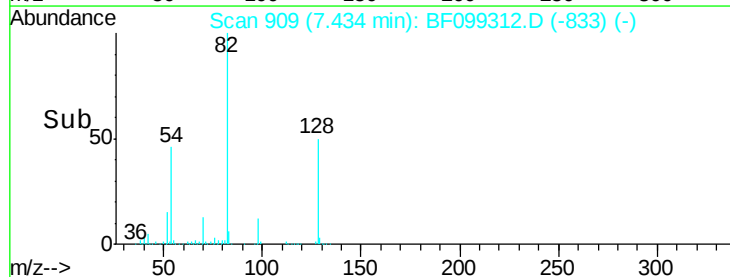
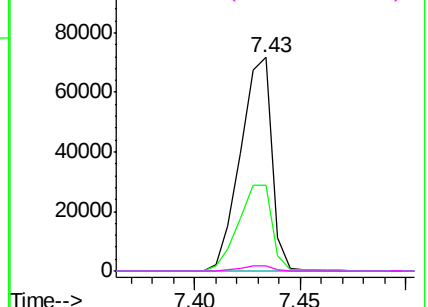


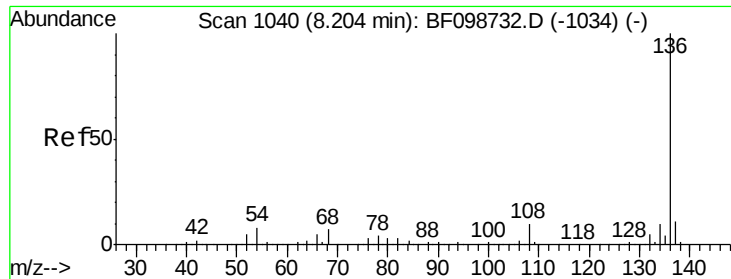
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

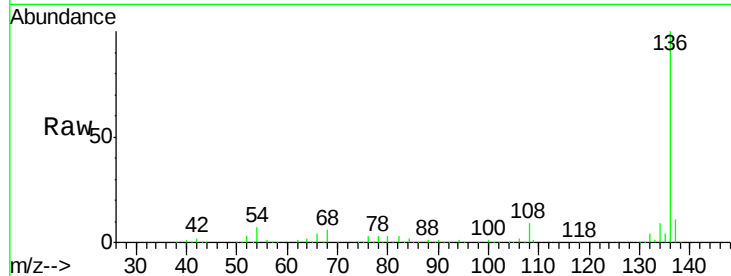




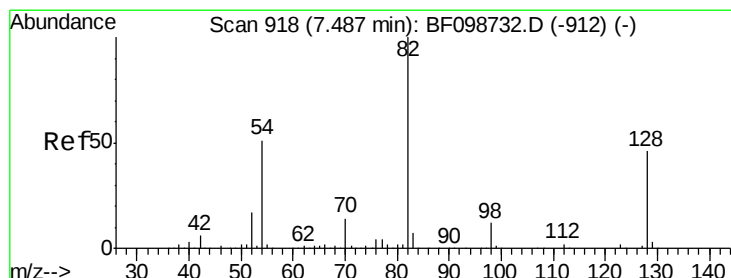
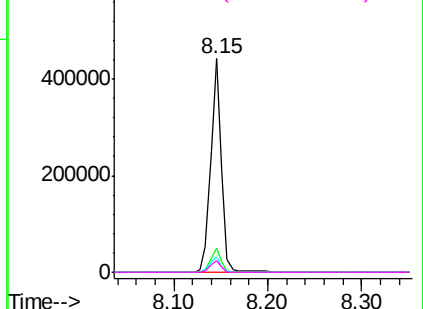
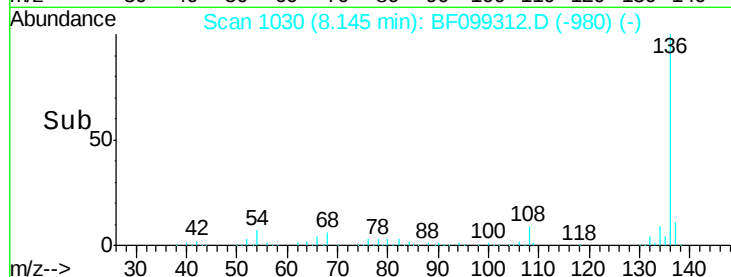
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	356454
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.1	6.6 9.8
68	5.7	5.0 7.4

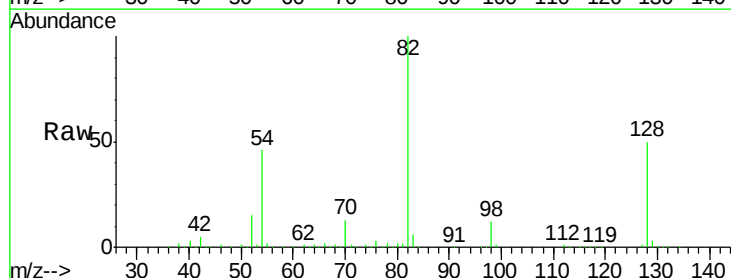


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

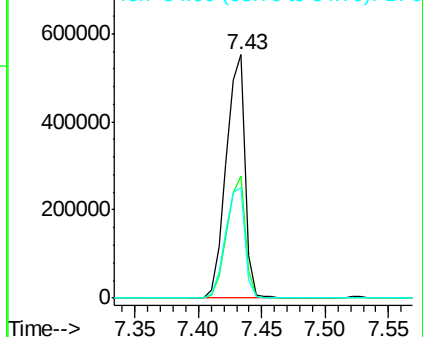
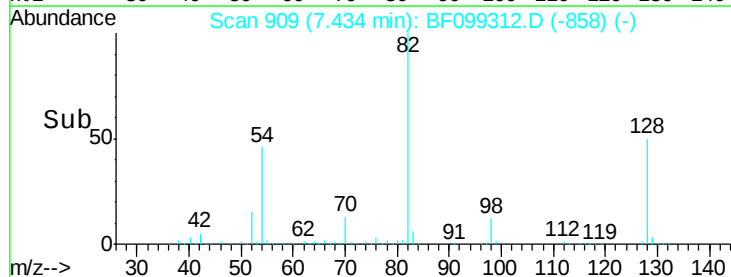


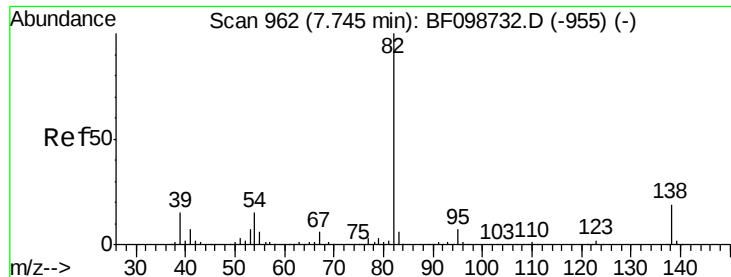
#23
Nitrobenzene-d5
Concen: 102.06 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Tgt Ion: 82	Resp:	567286
Ion Ratio	Lower	Upper
82	100	
128	49.9	36.1 54.1
54	45.5	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: 49.36 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF099312.D

Acq: 10 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

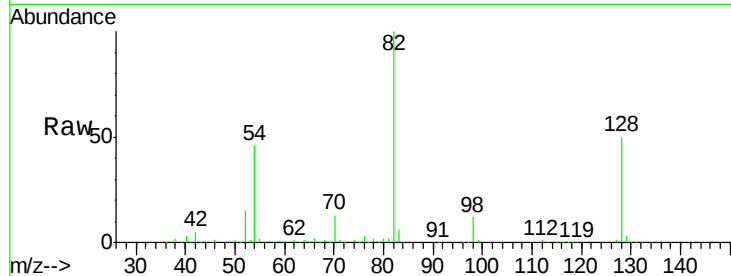
Tot Ion: 82 Resp: 567282

Ion Ratio Lower Upper

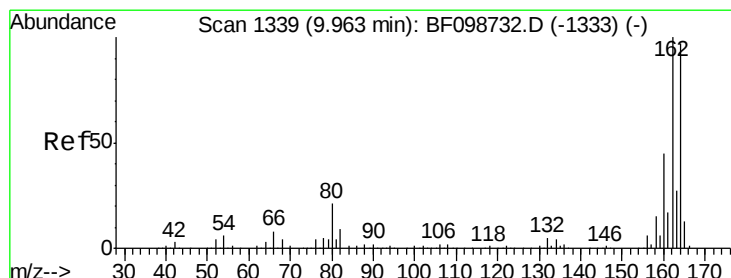
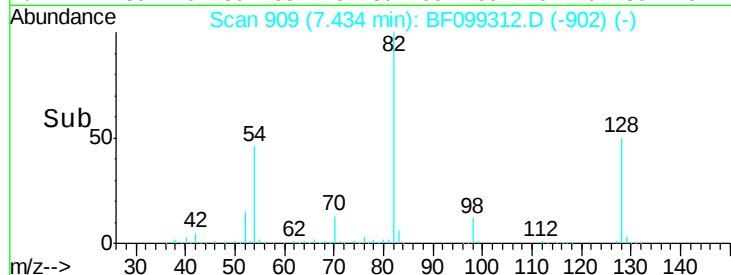
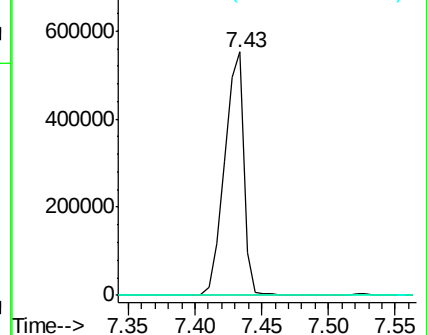
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099312.D

Acq: 10 Oct 2017 20:54

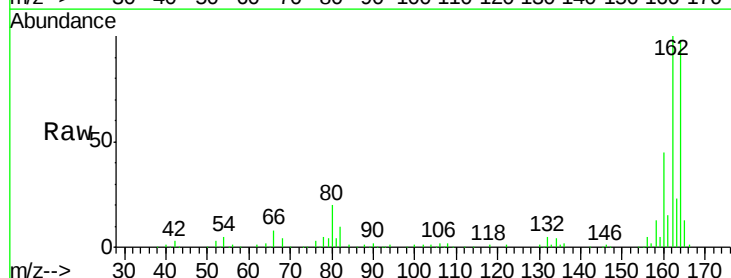
Tgt Ion: 164 Resp: 140620

Ion Ratio Lower Upper

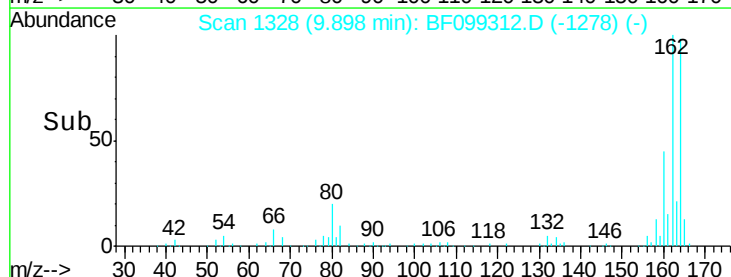
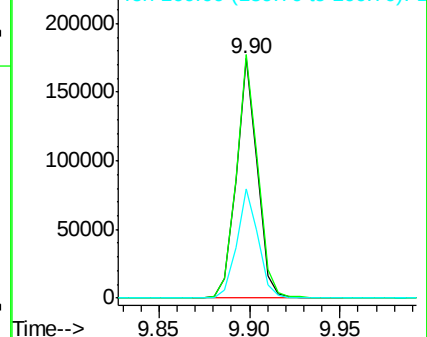
164 100

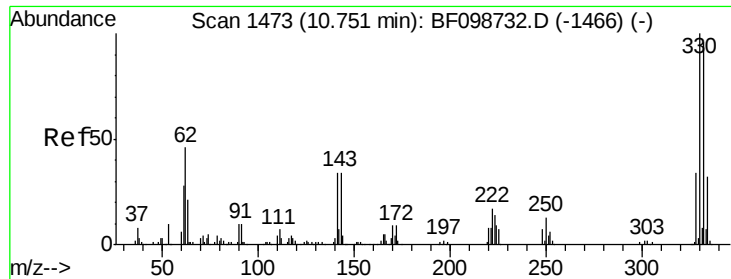
162 101.7 86.1 129.1

160 45.5 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

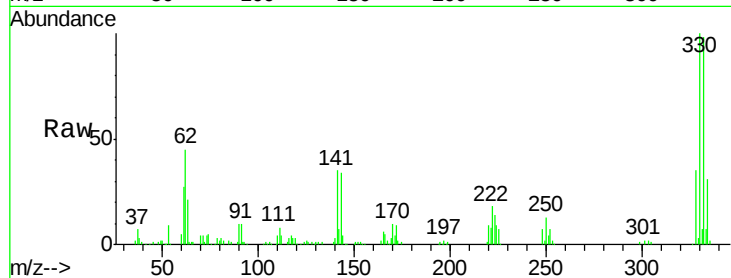




#41
 2,4,6-Tribromophenol
 Concen: 138.92 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099312.D
 Acq: 10 Oct 2017 20:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	332	141
Resp:	159850		
Ion Ratio	100	96.3	38.4
Lower		77.0	29.9
Upper		115.6	44.9

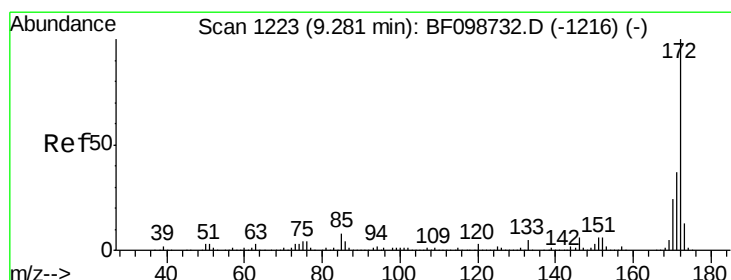
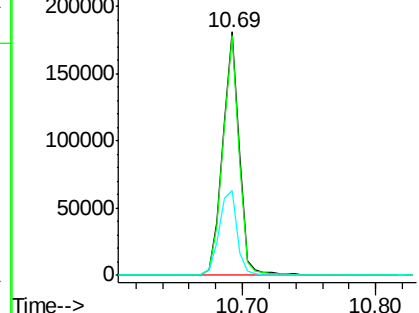
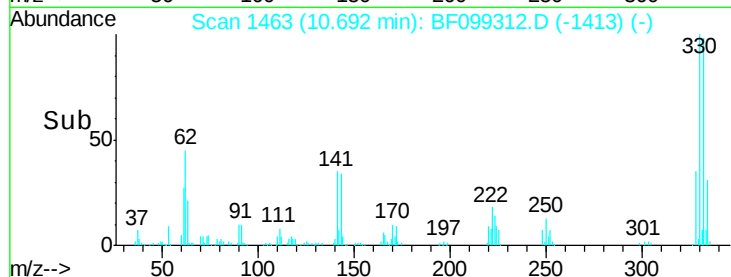


Abundance

Ion 329.80 (329.50 to 330.50): E

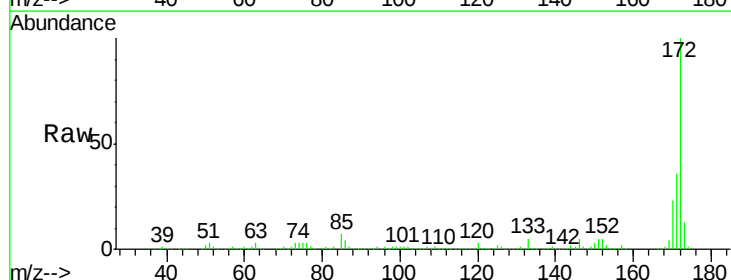
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 120.80 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099312.D
 Acq: 10 Oct 2017 20:54

Tgt Ion	172	171	170
Resp:	1017568		
Ion Ratio	100	36.0	23.4
Lower		29.7	19.6
Upper		44.5	29.4

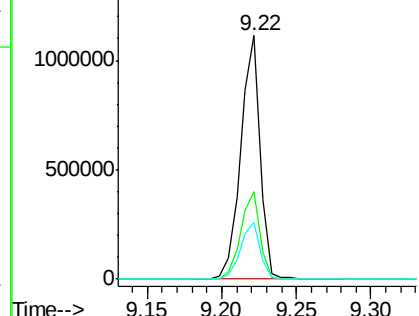
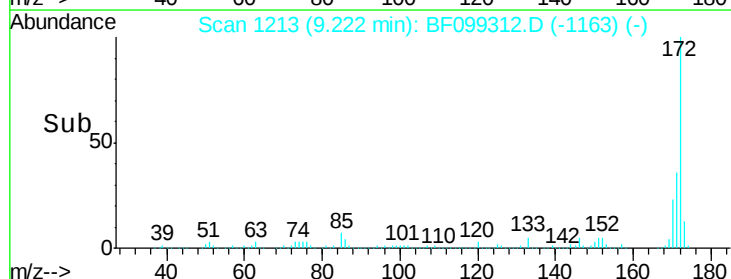


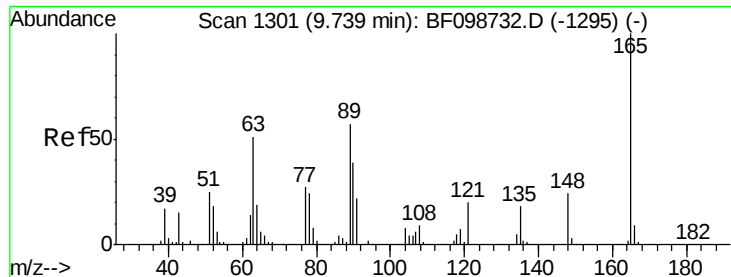
Abundance

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

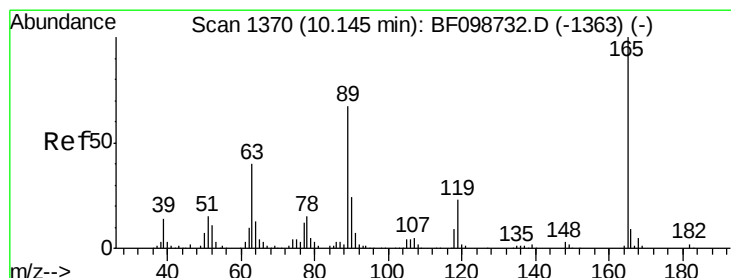
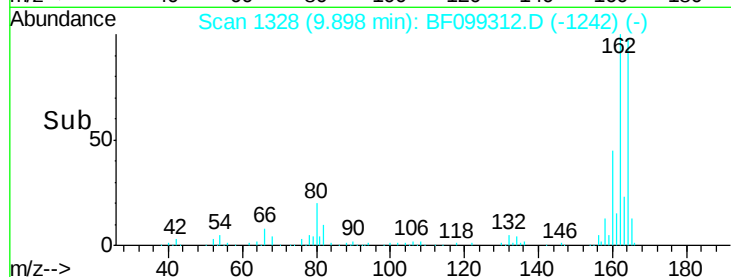
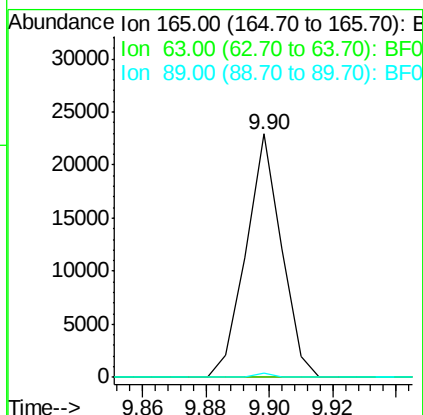
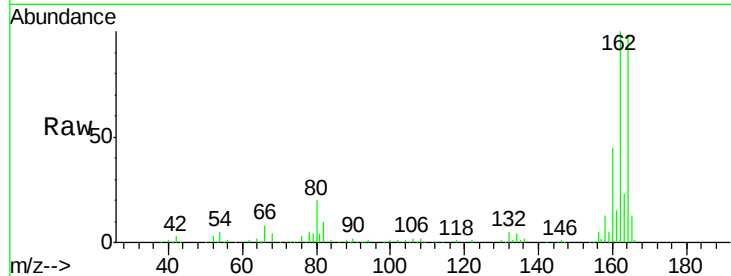




#50
2,6-Dinitrotoluene
Concen: 7.70 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

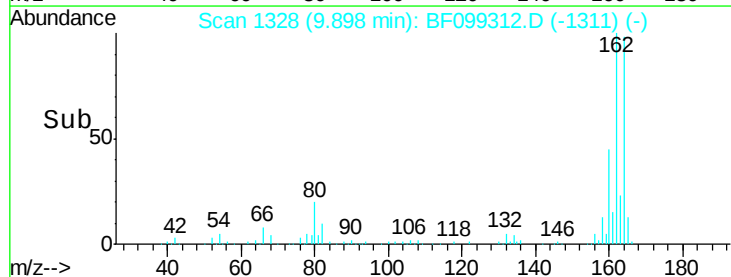
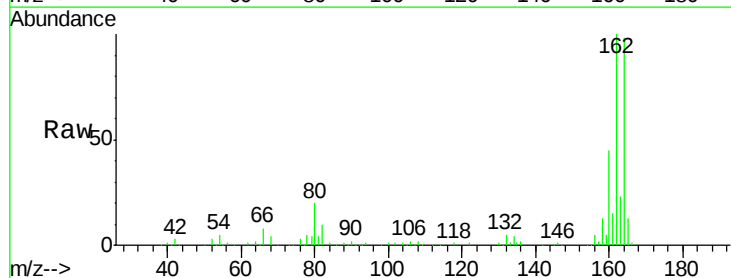
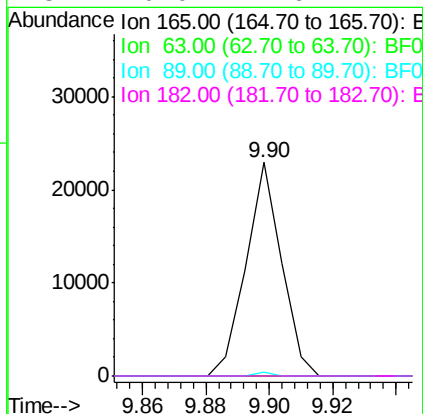
Instrument :
BNA_F
ClientSampleId :

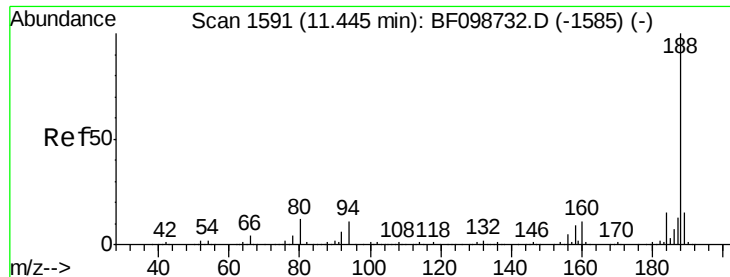
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

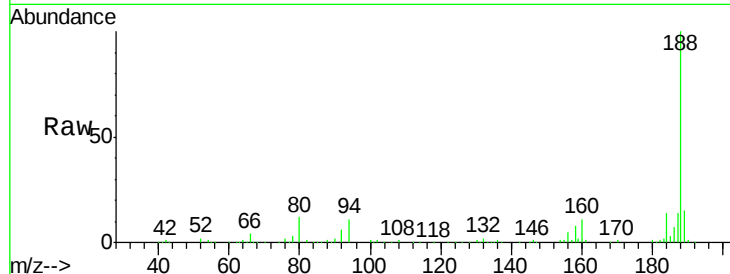




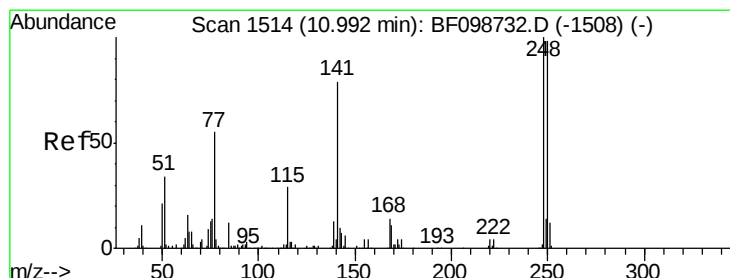
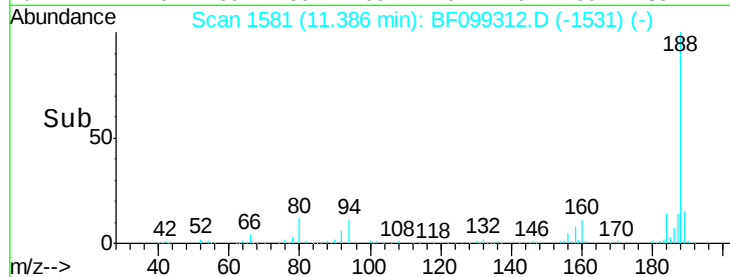
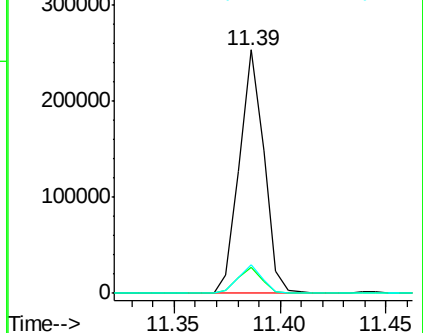
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 203684
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.7 9.2 13.8

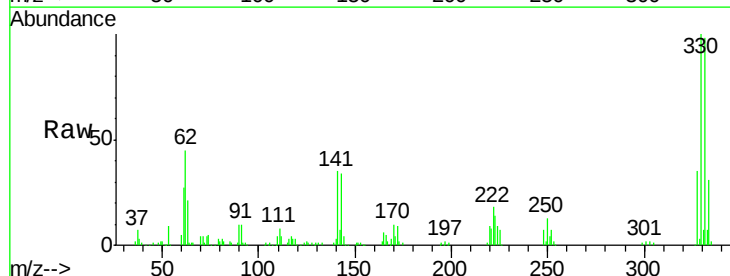


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

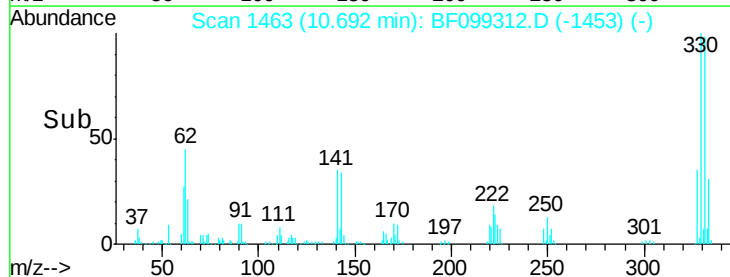
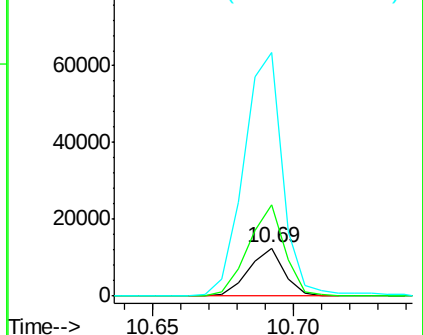


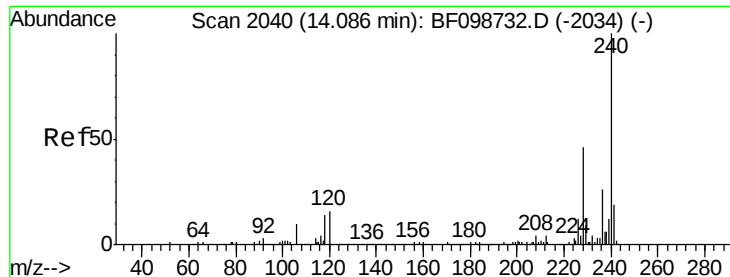
#66
4-Bromophenyl-phenylether
Concen: 5.46 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Tgt Ion:248 Resp: 10892
Ion Ratio Lower Upper
248 100
250 190.6 76.9 115.3#
141 505.3 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: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099312.D

Acq: 10 Oct 2017 20:54

Instrument :

BNA_F

ClientSampleId :

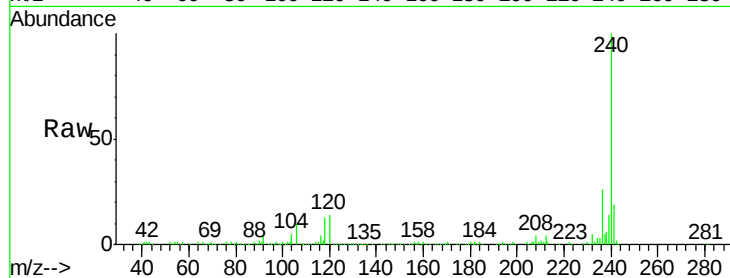
Tot Ion:240 Resp: 179368

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

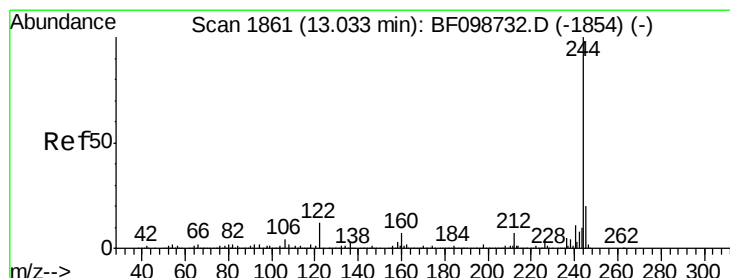
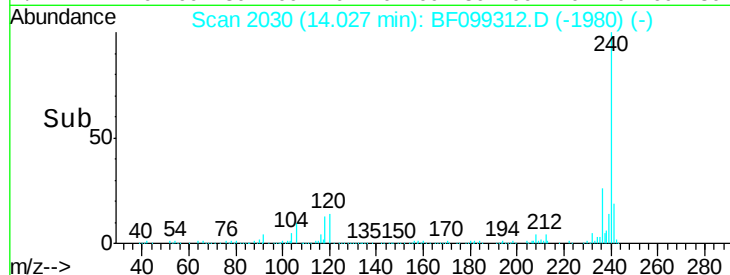
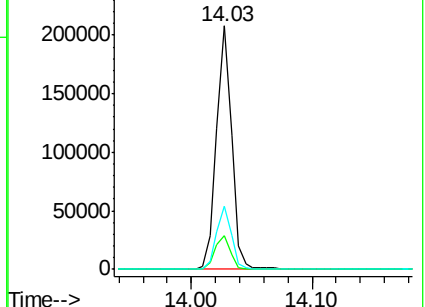
236 26.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 89.92 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099312.D

Acq: 10 Oct 2017 20:54

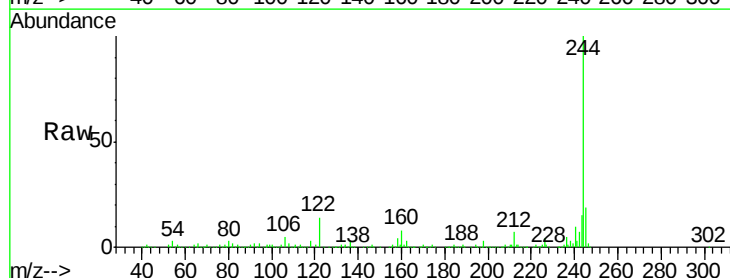
Tgt Ion:244 Resp: 709168

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

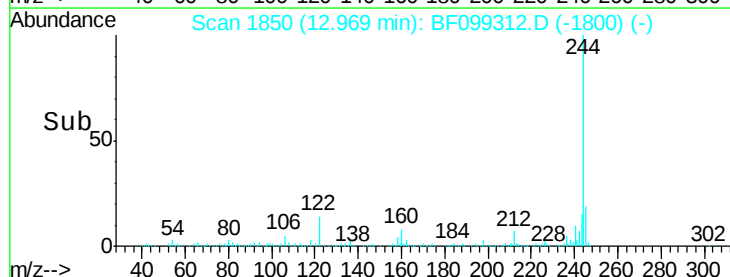
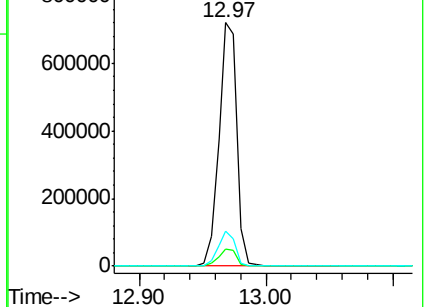
122 14.5 11.0 16.4

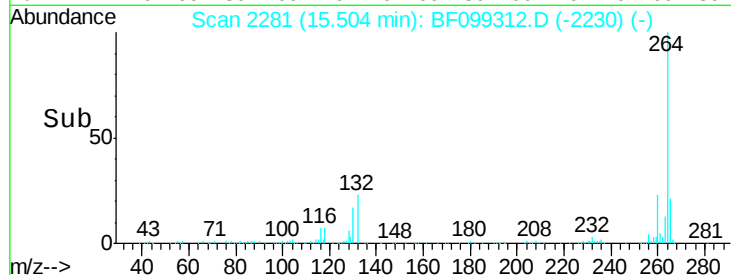
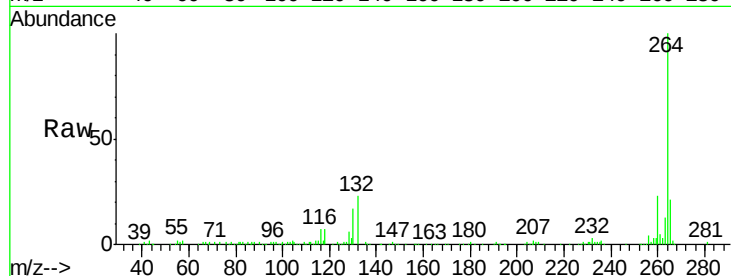
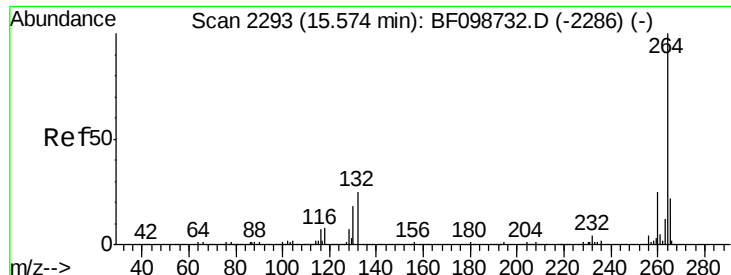


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF099312.D
Acq: 10 Oct 2017 20:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.1	17.5	26.3

