

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099253.D
 Acq On : 9 Oct 2017 1:38
 Operator : SJ/JU
 Sample : I5646-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 04:02:36 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

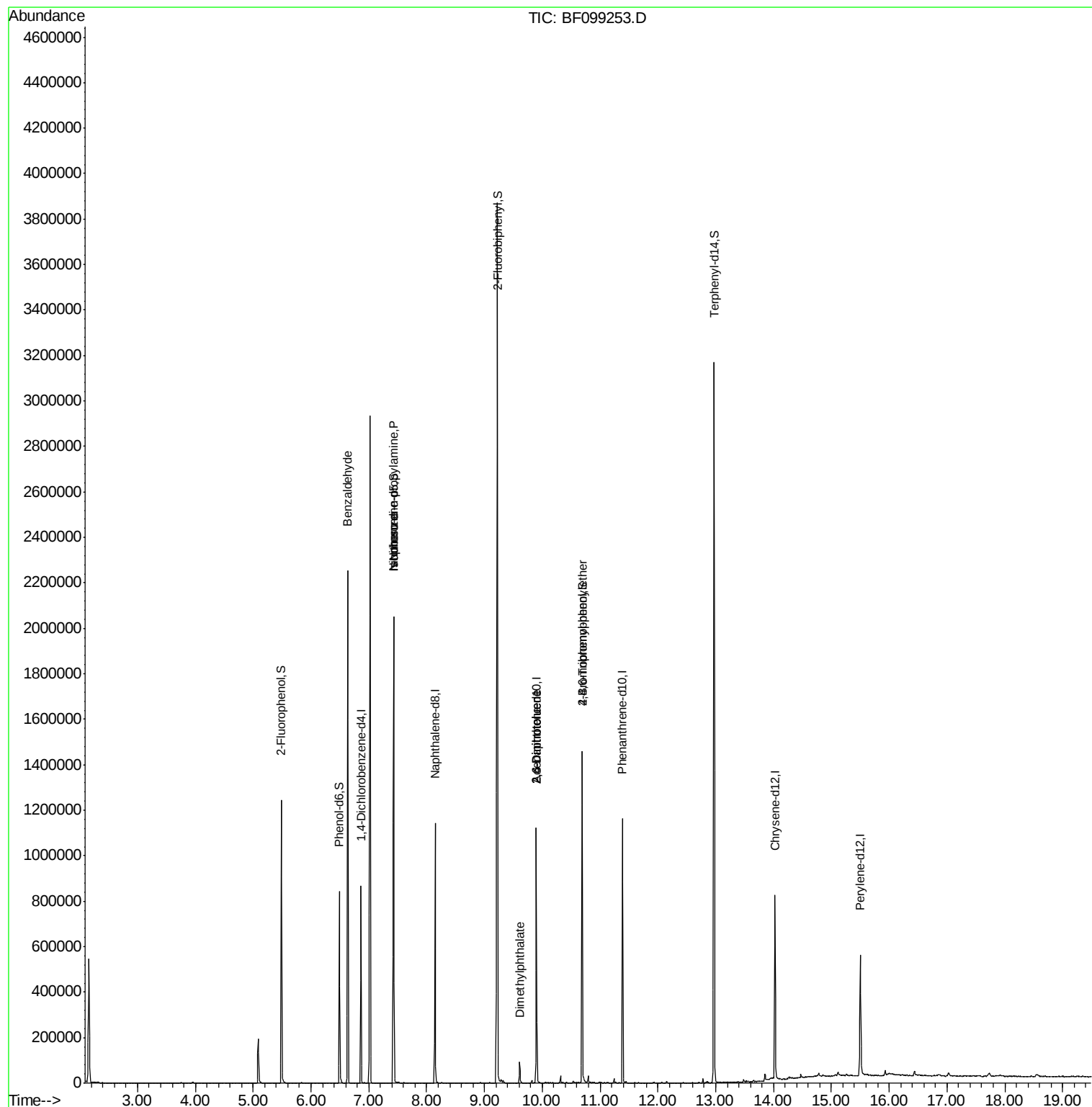
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	120590	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	508052	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	233612	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	397338	20.00	ng	0.00
75) Chrysene-d12	14.03	240	251452	20.00	ng	0.00
86) Perylene-d12	15.50	264	223827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	355120	46.88	ng	0.00
7) Phenol-d6	6.49	99	264633	28.32	ng	0.00
23) Nitrobenzene-d5	7.43	82	768620	97.02	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	173122	90.56	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1348744	96.38	ng	0.00
78) Terphenyl-d14	12.97	244	1153415	104.32	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.63	77	11914	2.20	ng	91
19) n-Nitroso-di-n-propylamine	7.43	70	98796	16.56	ng	# 73
25) Isophorone	7.43	82	768609	46.93	ng	# 64
49) Dimethylphthalate	9.61	163	36339	2.06	ng	99
50) 2,6-Dinitrotoluene	9.90	165	29114	7.58	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	29114	5.84	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	11766	3.03	ng	# 1

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

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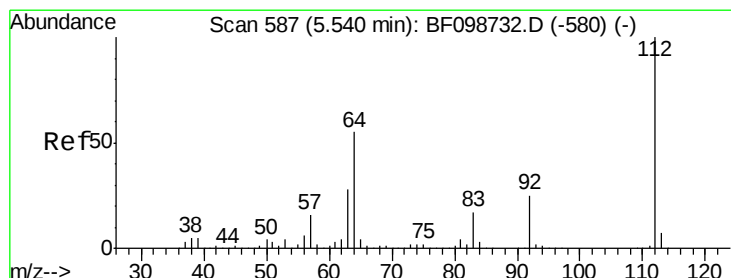
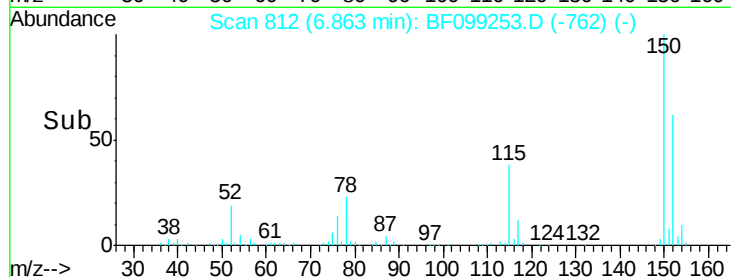
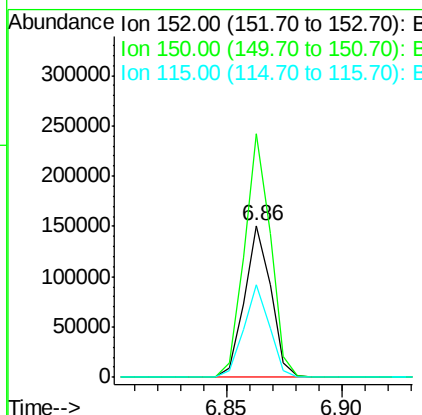
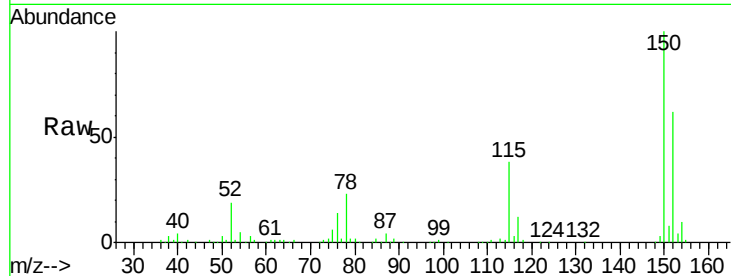




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099253.D
 Acq: 9 Oct 2017 1:38

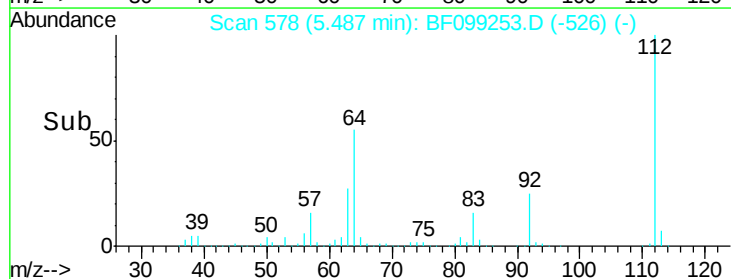
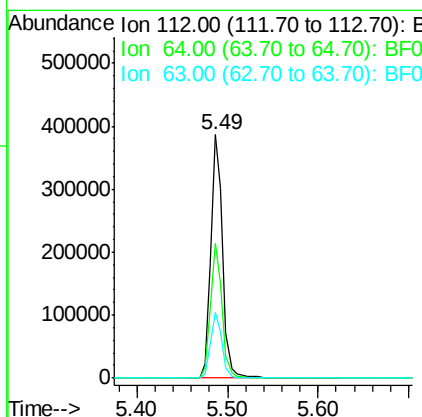
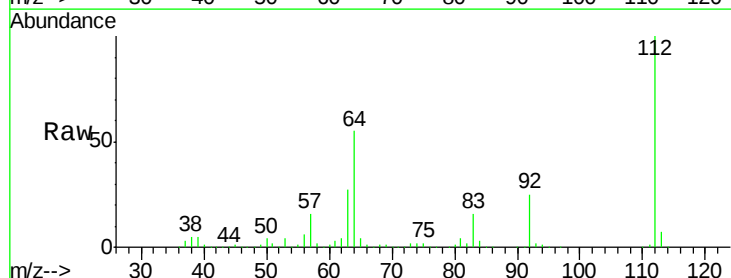
Instrument :
 BNA_F
 ClientSampleId :

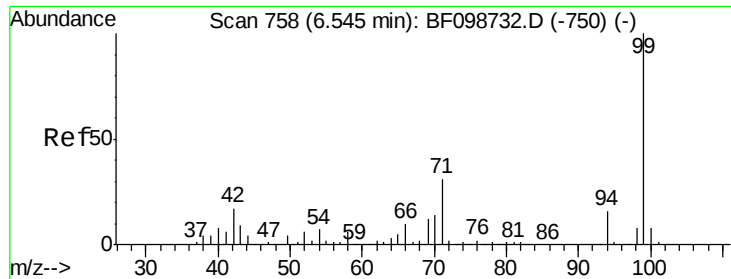
Tot Ion:152 Resp: 120590
 Ion Ratio Lower Upper
 152 100
 150 160.8 124.6 186.8
 115 60.9 50.1 75.1



#5
 2-Fluorophenol
 Concen: 46.88 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF099253.D
 Acq: 9 Oct 2017 1:38

Tgt Ion:112 Resp: 355120
 Ion Ratio Lower Upper
 112 100
 64 55.3 47.9 71.9
 63 27.0 23.7 35.5





#7

Phenol-d6

Concen: 28.32 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

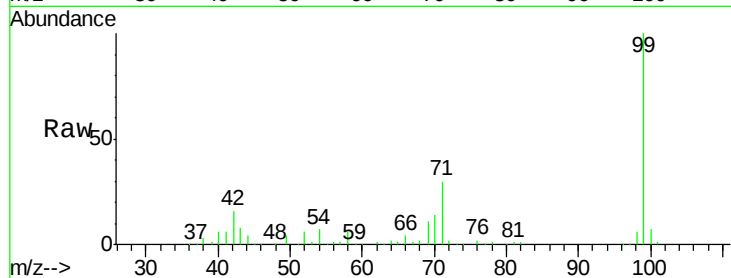
Tot Ion: 99 Resp: 264633

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

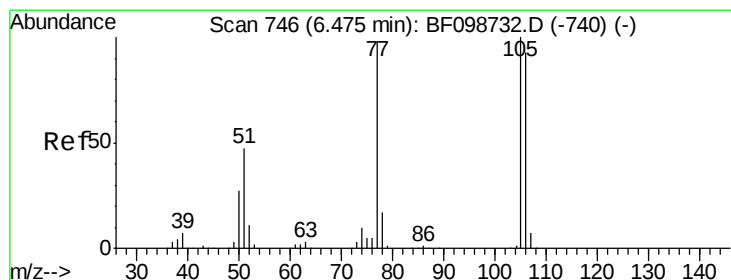
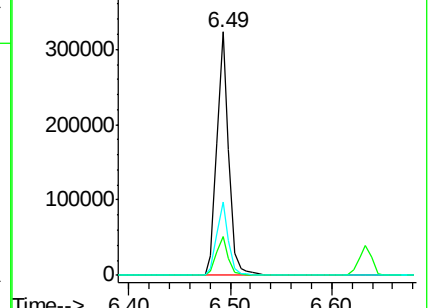
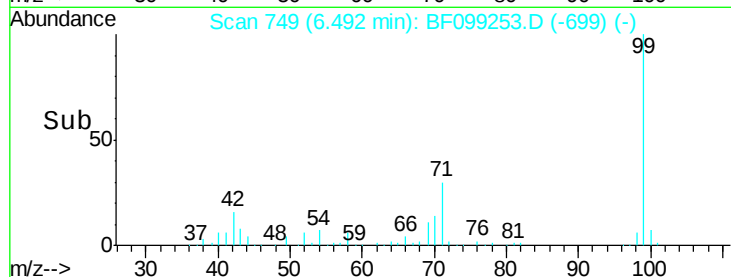
71 30.3 25.4 38.0



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: 2.20 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

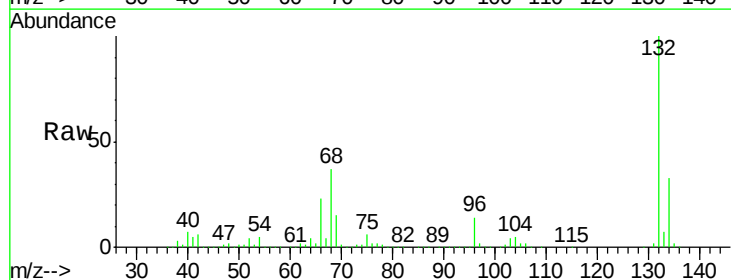
Tgt Ion: 77 Resp: 11914

Ion Ratio Lower Upper

77 100

105 90.2 81.1 121.1

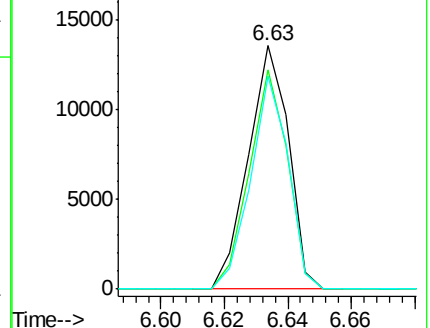
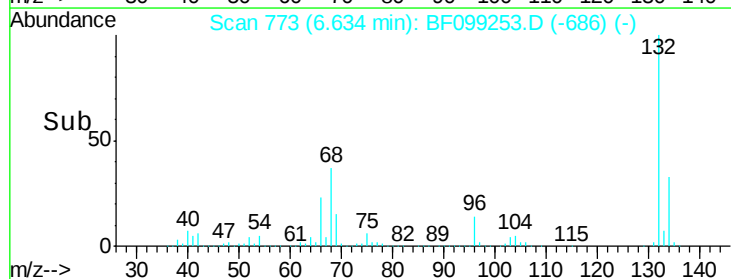
106 87.7 74.5 114.5

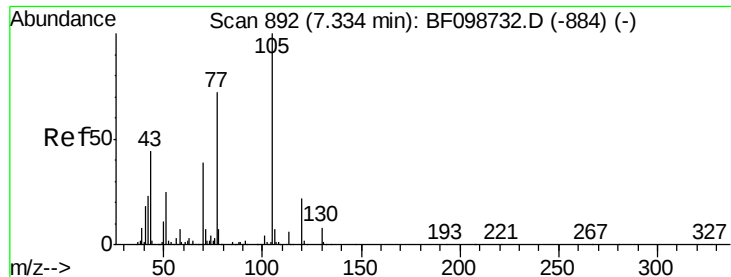


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

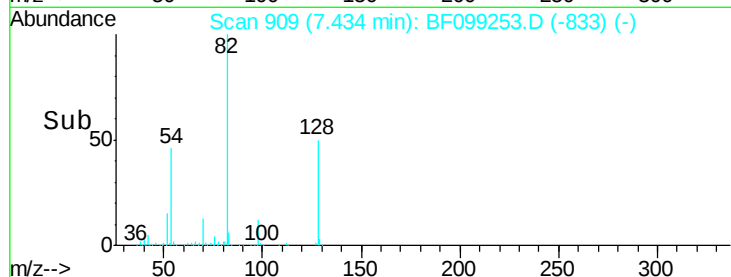
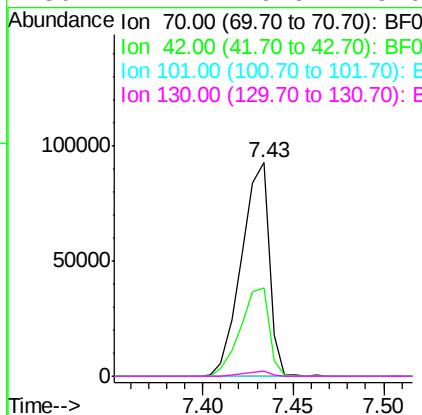
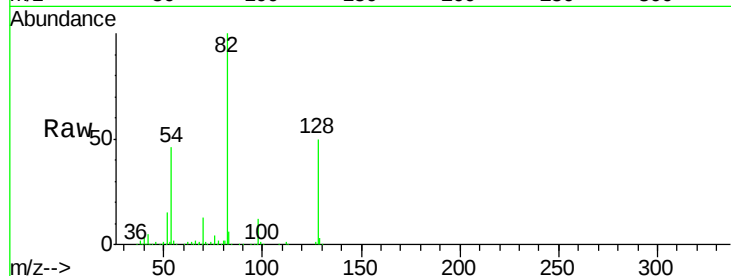




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.56 ng
 RT: 7.43 min Scan# 909
 Delta R.T. 0.15 min
 Lab File: BF099253.D
 Acq: 9 Oct 2017 1:38

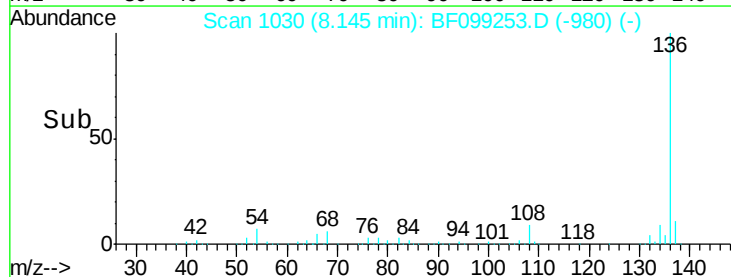
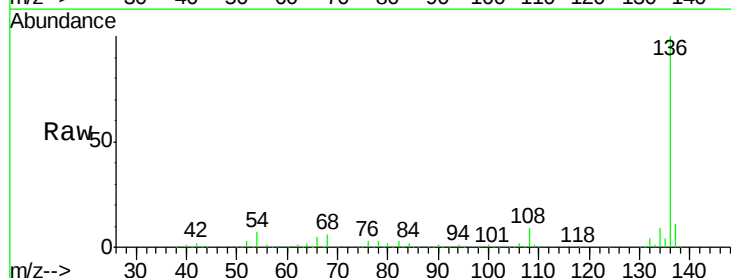
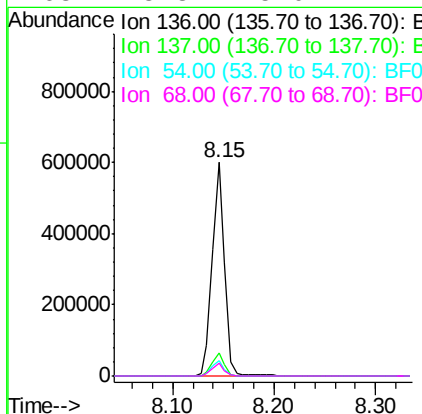
Instrument :
 BNA_F
 ClientSampled :

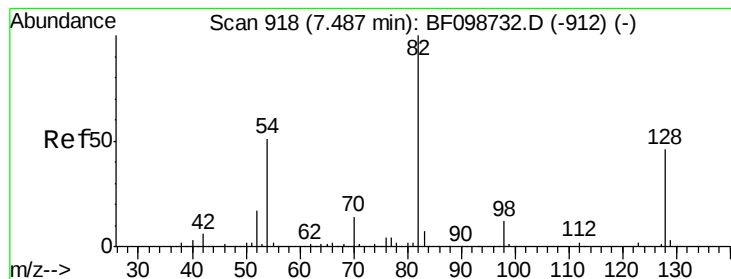
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.7	16.6	25.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.15 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF099253.D
 Acq: 9 Oct 2017 1:38

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	5.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 97.02 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.00 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

Instrument :

BNA_F

ClientSampled :

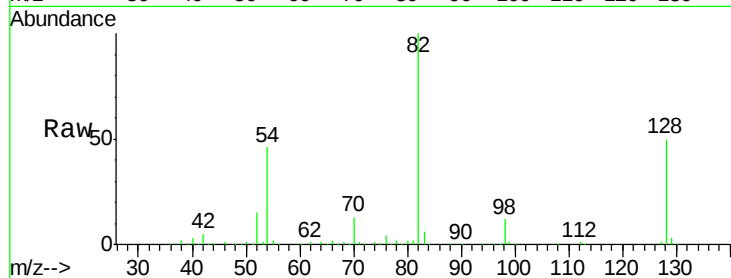
Tot Ion: 82 Resp: 768620

Ion Ratio Lower Upper

82 100

128 49.5 36.1 54.1

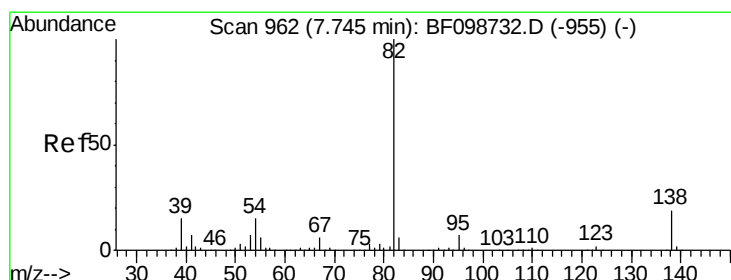
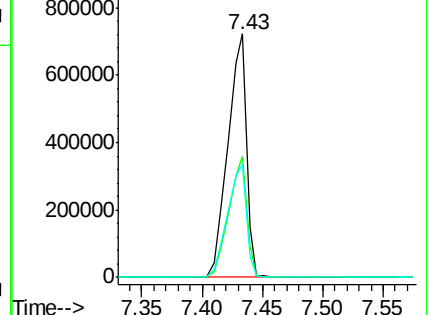
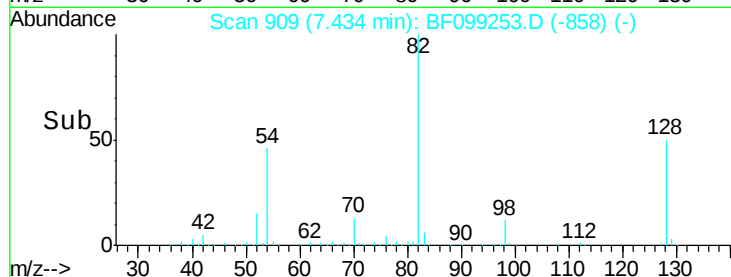
54 46.2 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 46.93 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

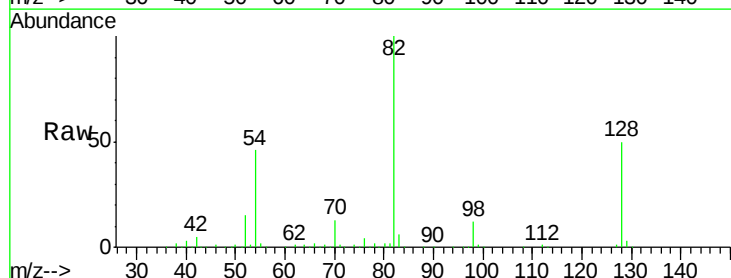
Tgt Ion: 82 Resp: 768609

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

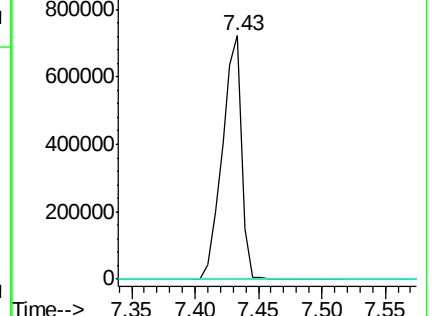
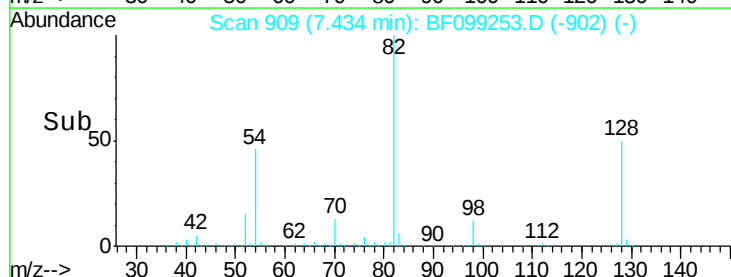
138 0.0 14.9 22.3#



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): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

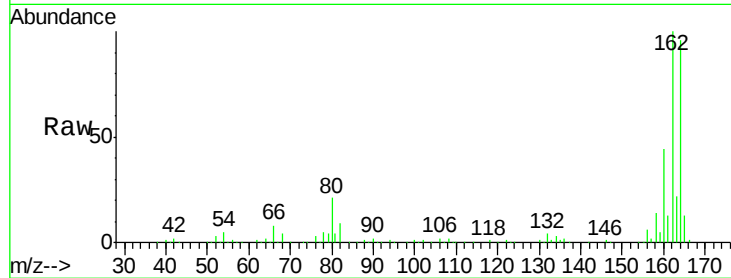
Tot Ion:164 Resp: 233612

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

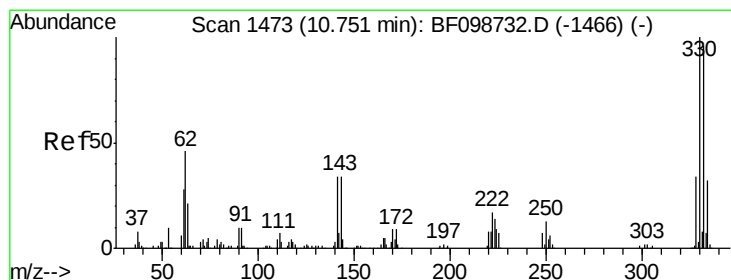
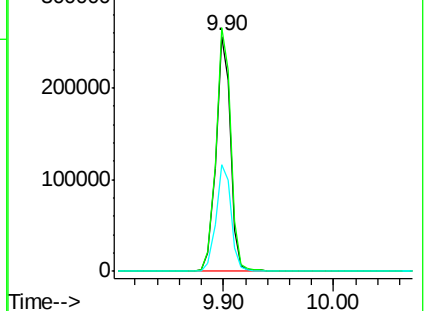
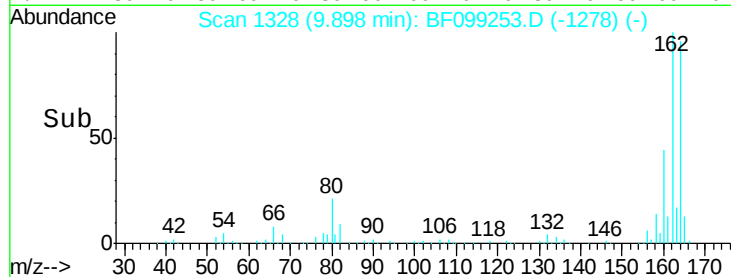
160 45.3 38.3 57.5



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: 90.56 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

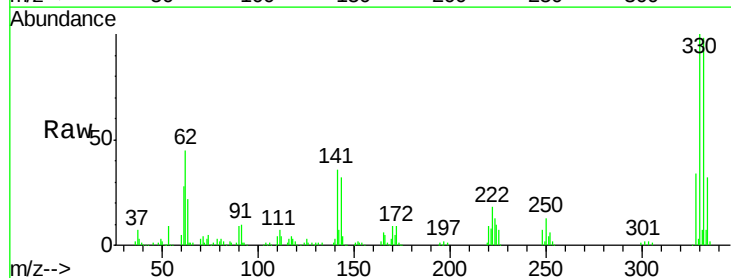
Tgt Ion:330 Resp: 173122

Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.6

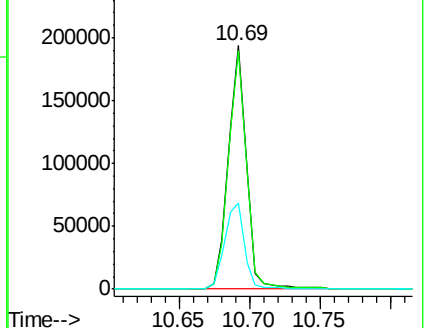
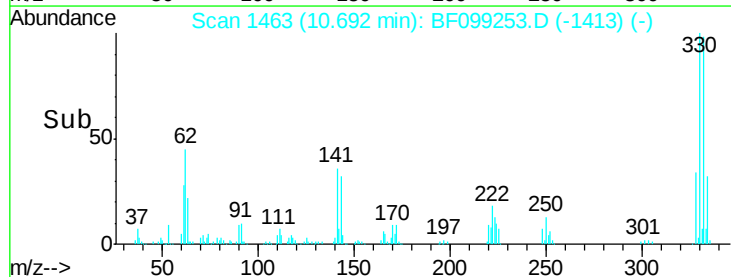
141 39.2 29.9 44.9

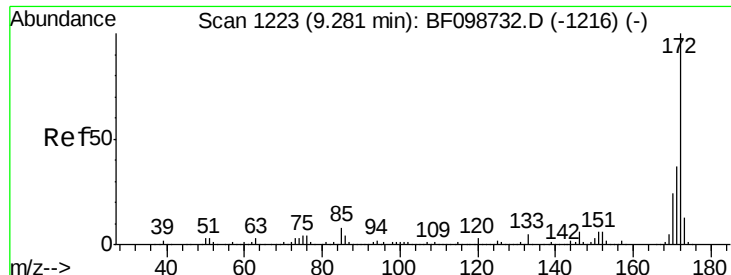


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

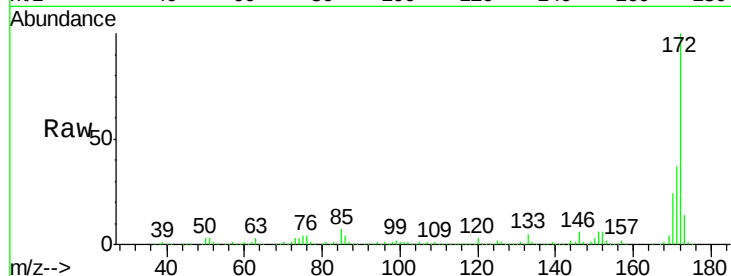




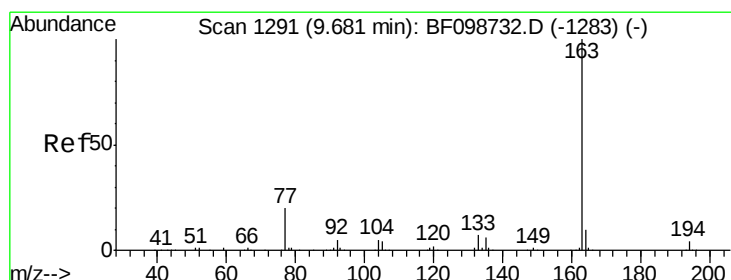
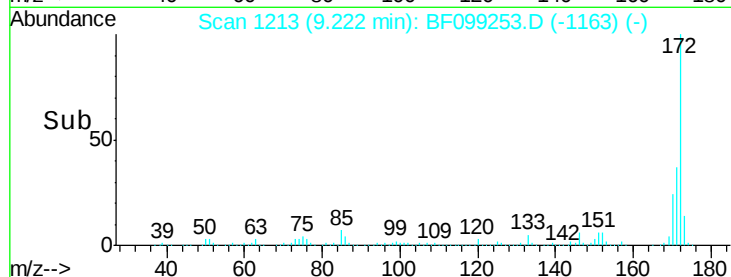
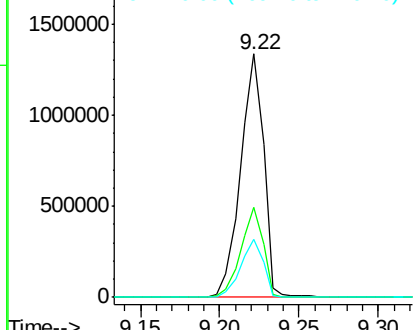
#44
2-Fluorobiphenyl
Concen: 96.38 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1348744
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.0 19.6 29.4

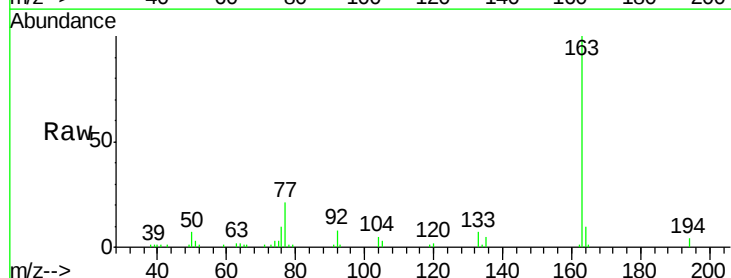


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

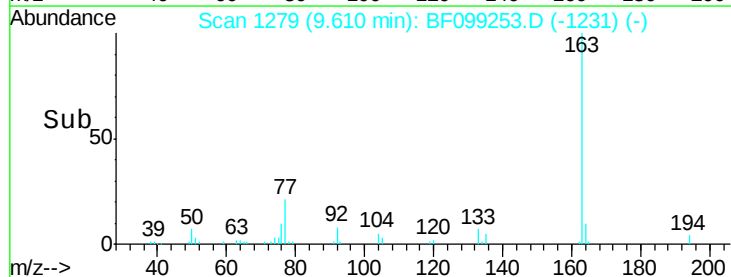
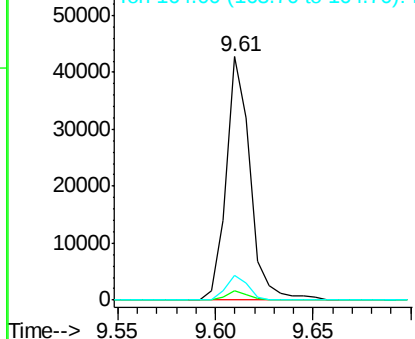


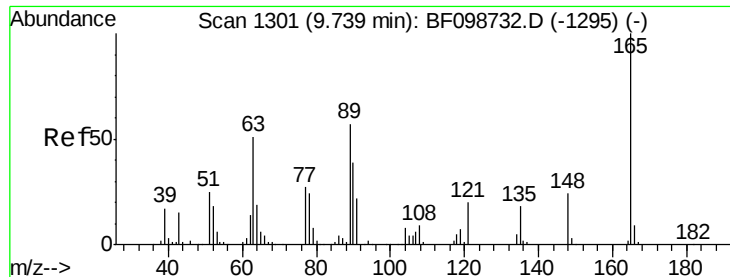
#49
Dimethylphthalate
Concen: 2.06 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Tgt Ion:163 Resp: 36339
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

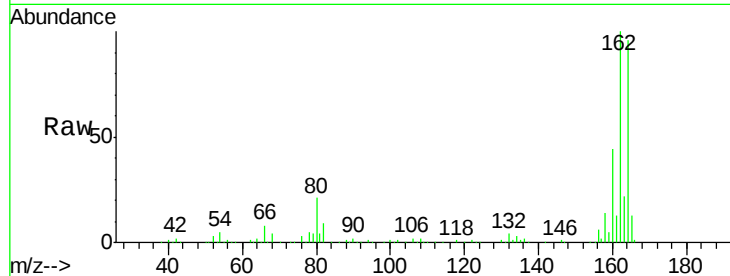




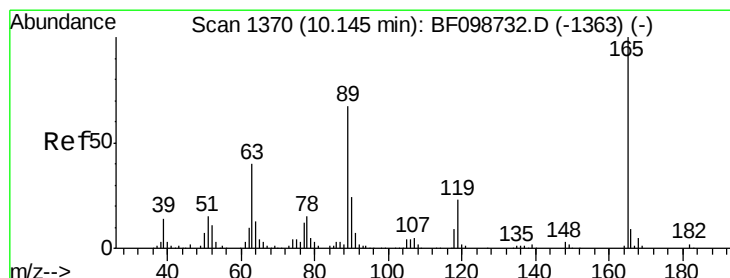
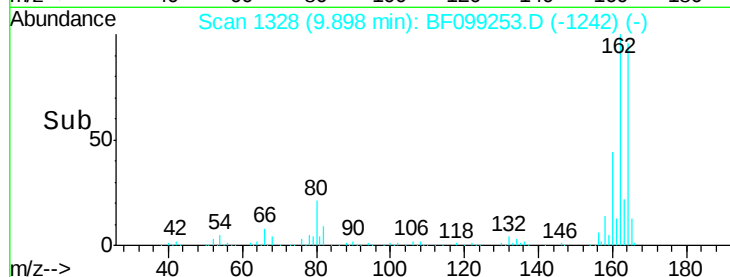
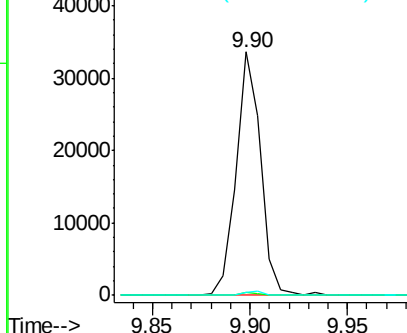
#50
2,6-Dinitrotoluene
Concen: 7.58 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 29114
Ion Ratio Lower Upper
165 100
63 1.2 44.7 67.1#
89 1.5 44.0 66.0#



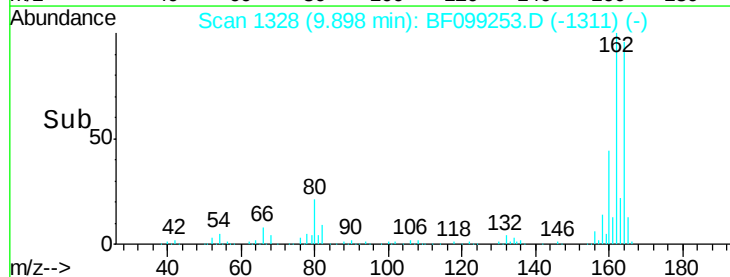
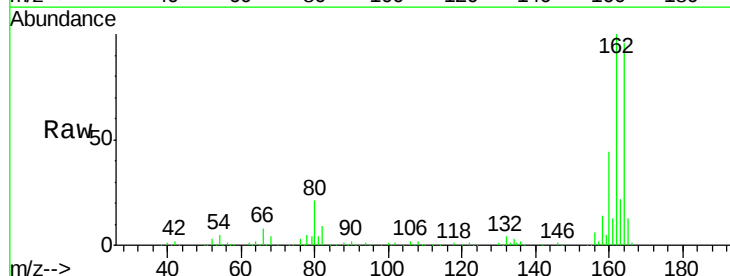
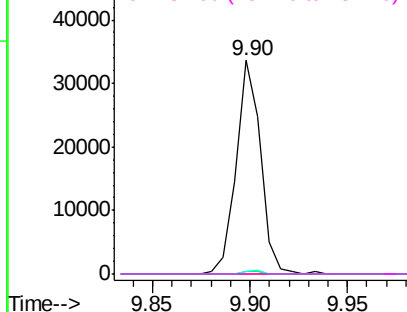
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

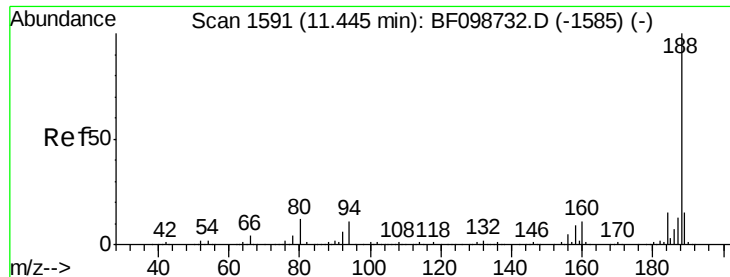


#56
2,4-Dinitrotoluene
Concen: 5.84 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Tgt Ion:165 Resp: 29114
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.5 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

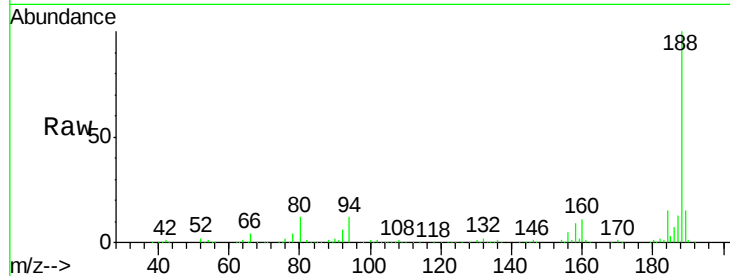




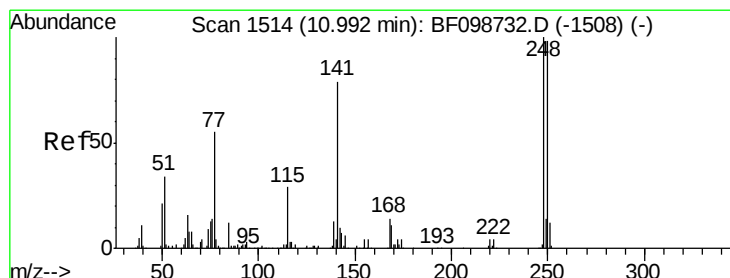
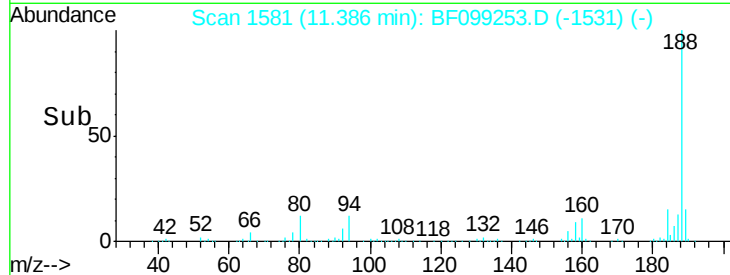
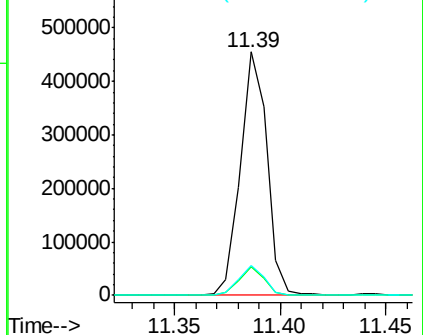
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 397338
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.4 9.2 13.8

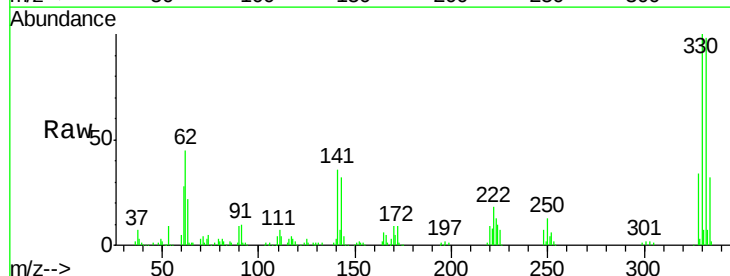


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

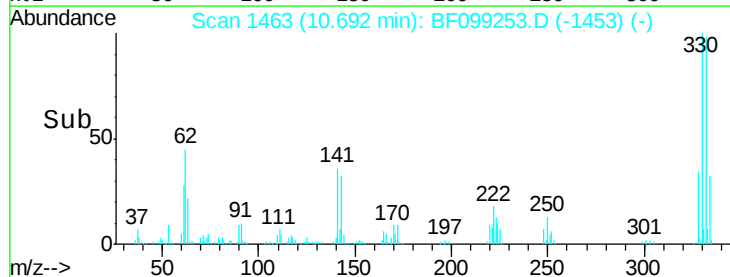
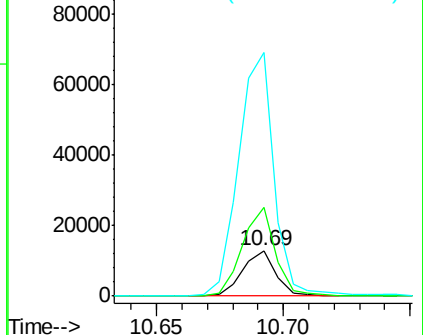


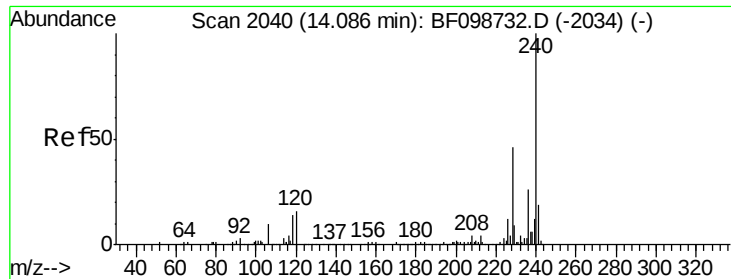
#66
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Tgt Ion:248 Resp: 11766
Ion Ratio Lower Upper
248 100
250 194.5 76.9 115.3#
141 534.7 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: BF099253.D

Acq: 9 Oct 2017 1:38

Instrument :

BNA_F

ClientSampleId :

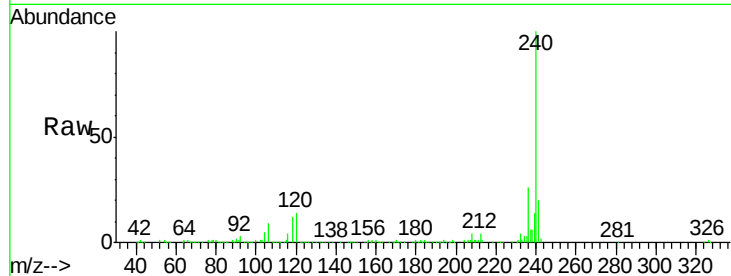
Tot Ion:240 Resp: 251452

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

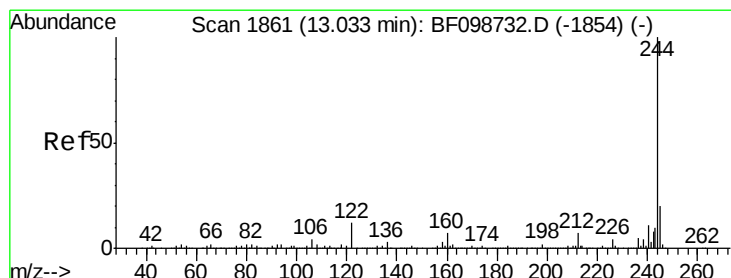
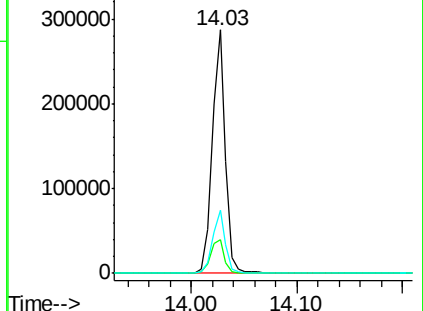
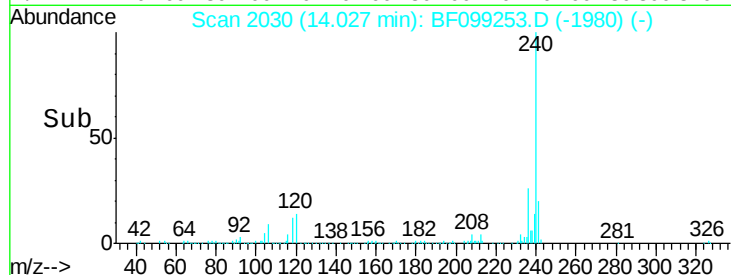
236 25.9 20.7 31.1



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: 104.32 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099253.D

Acq: 9 Oct 2017 1:38

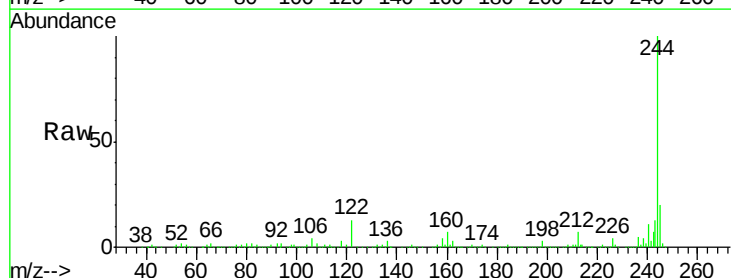
Tgt Ion:244 Resp: 1153415

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

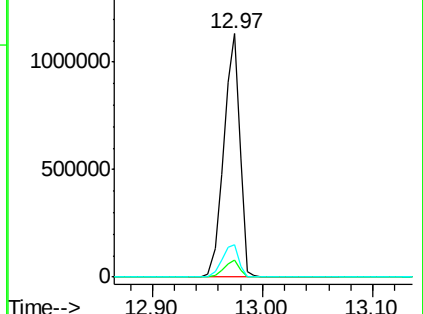
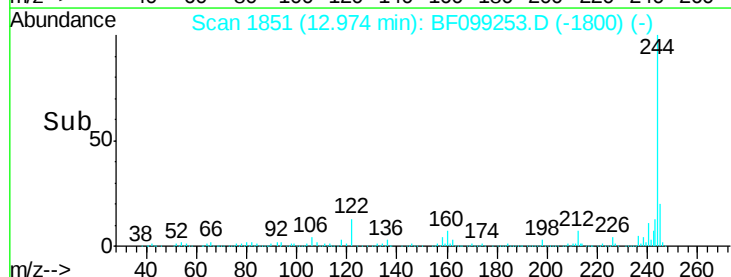
122 13.4 11.0 16.4

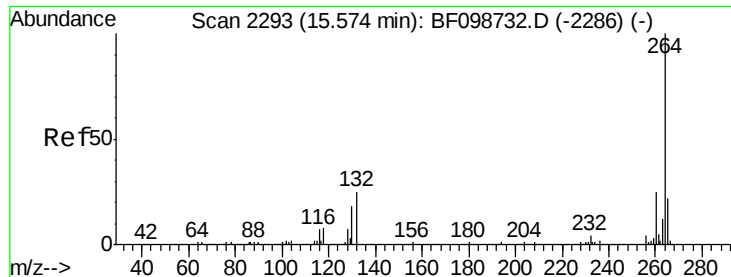


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099253.D
Acq: 9 Oct 2017 1:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.9	19.2	28.8	
265	22.0	17.5	26.3	

