

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100817\
 Data File : BF099256.D
 Acq On : 9 Oct 2017 3:03
 Operator : SJ/JU
 Sample : I5645-03
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 04:03:22 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

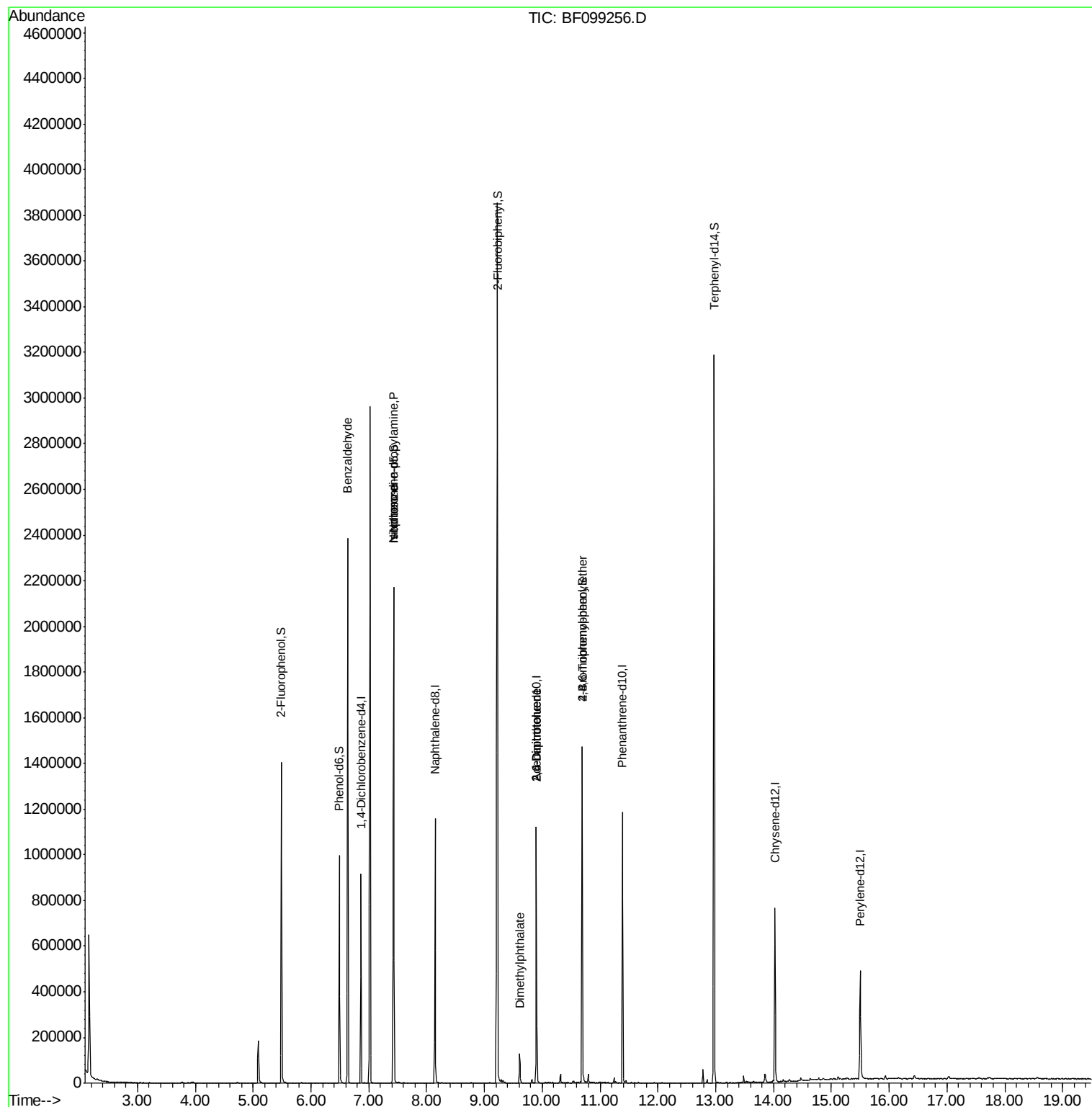
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	122260	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	509986	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	233013	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	398950	20.00	ng	0.00
75) Chrysene-d12	14.03	240	240352	20.00	ng	0.00
86) Perylene-d12	15.50	264	216865	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	400456	52.14	ng	0.00
7) Phenol-d6	6.49	99	305597	32.26	ng	0.00
23) Nitrobenzene-d5	7.43	82	794597	99.92	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	176124	92.37	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1405628	100.71	ng	0.00
78) Terphenyl-d14	12.97	244	1151523	108.96	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	12387	2.25	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.43	70	100628	16.64	ng	# 73
25) Isophorone	7.43	82	794585	48.33	ng	# 64
49) Dimethylphthalate	9.61	163	52605	2.99	ng	100
50) 2,6-Dinitrotoluene	9.90	165	29613	7.73	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	29613	5.96	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	12012	3.08	ng	# 1

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

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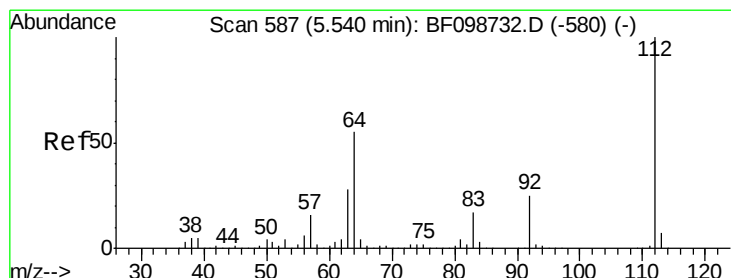
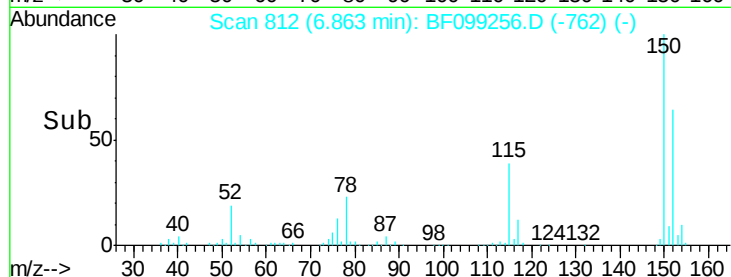
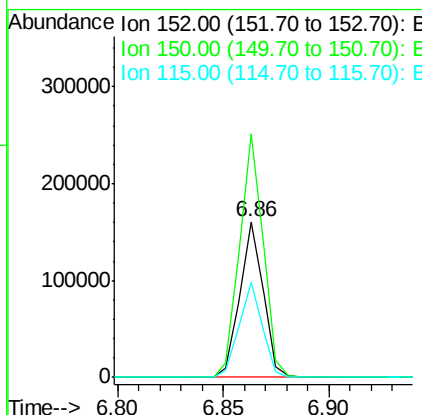
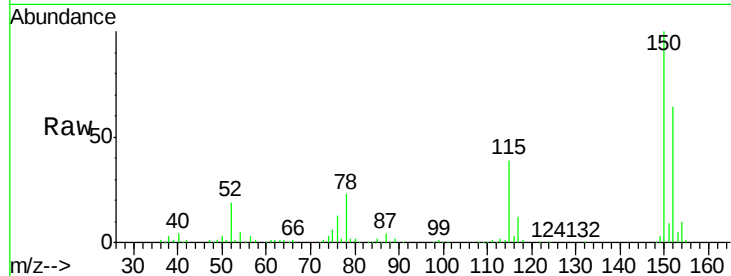




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

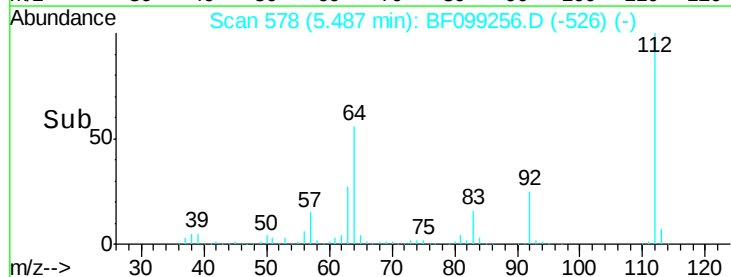
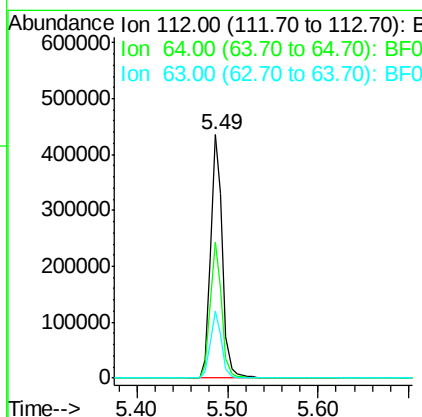
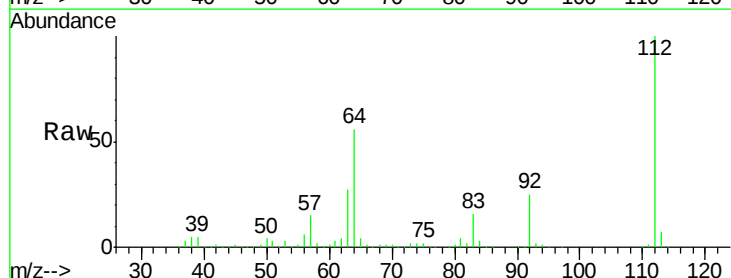
Instrument :
 BNA_F
 ClientSampleId :

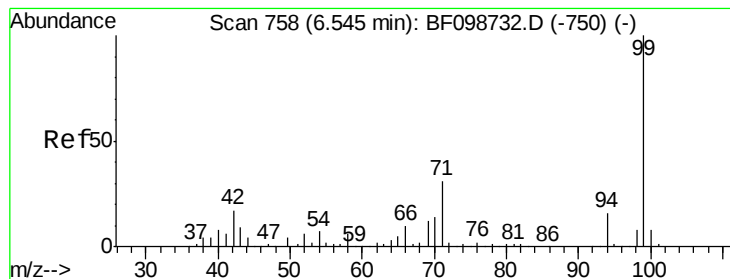
Tot Ion:152 Resp: 122260
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 61.5 50.1 75.1



#5
 2-Fluorophenol
 Concen: 52.14 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

Tgt Ion:112 Resp: 400456
 Ion Ratio Lower Upper
 112 100
 64 55.9 47.9 71.9
 63 27.3 23.7 35.5





#7

Phenol-d6

Concen: 32.26 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099256.D

Acq: 9 Oct 2017 3:03

Instrument :

BNA_F

ClientSampled :

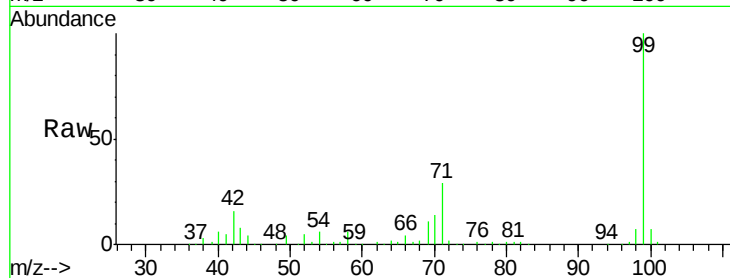
Tot Ion: 99 Resp: 305597

Ion Ratio Lower Upper

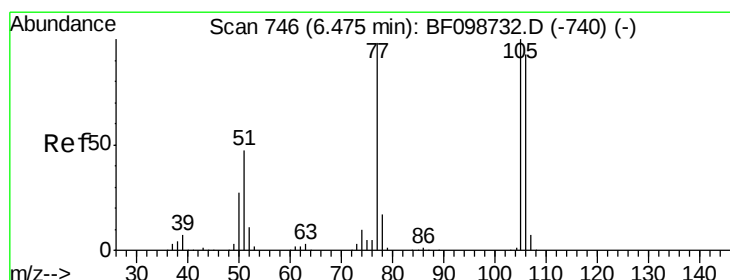
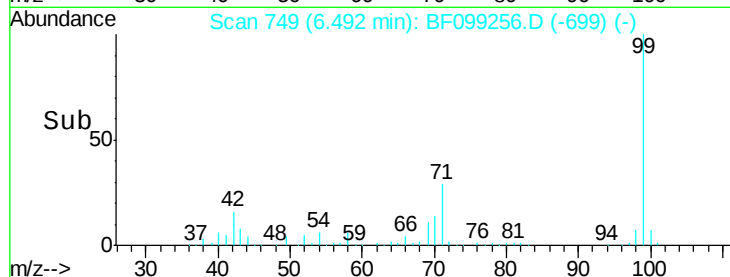
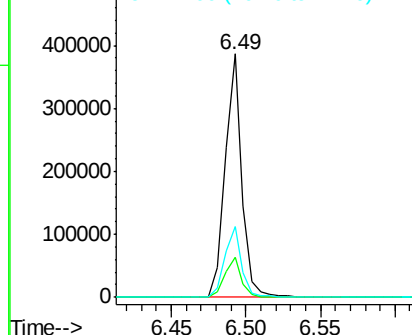
99 100

42 16.3 14.5 21.7

71 29.2 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: 2.25 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.21 min

Lab File: BF099256.D

Acq: 9 Oct 2017 3:03

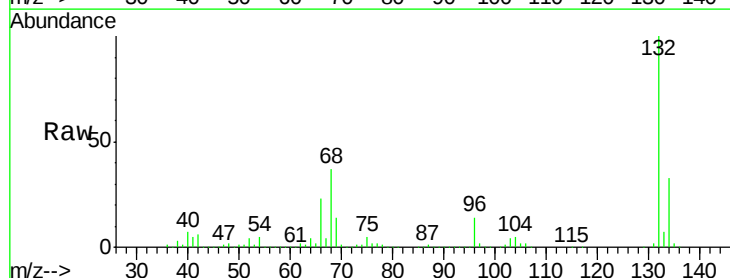
Tgt Ion: 77 Resp: 12387

Ion Ratio Lower Upper

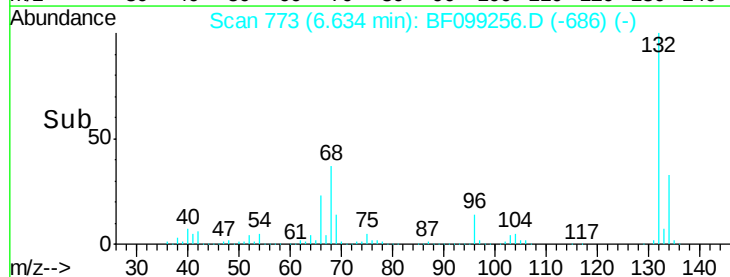
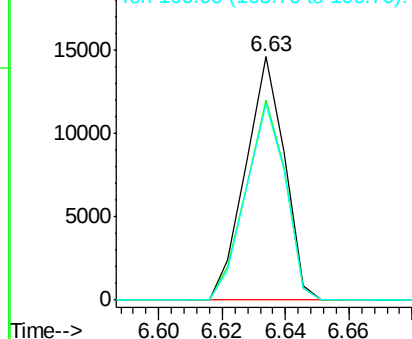
77 100

105 82.0 81.1 121.1

106 80.8 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





#19

n-Nitroso-di-n-propylamine

Concen: 16.64 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF099256.D

Acq: 9 Oct 2017 3:03

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 100628

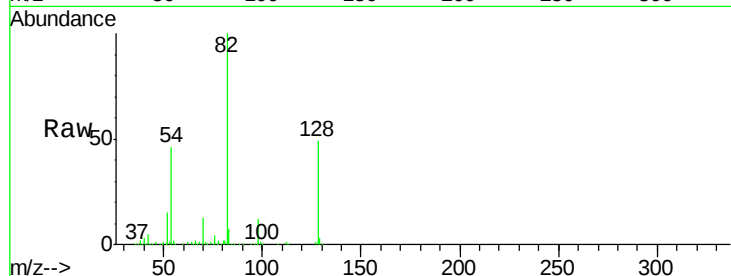
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

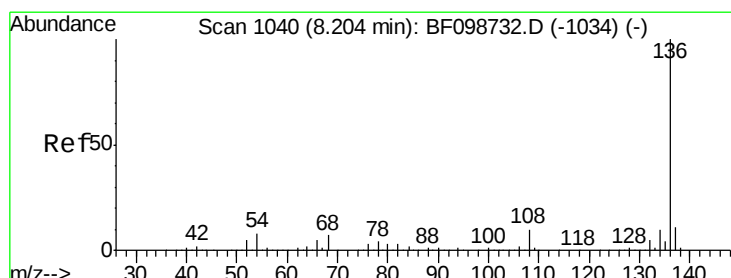
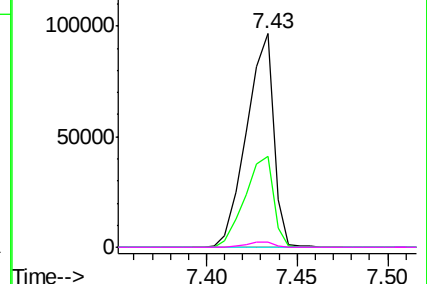
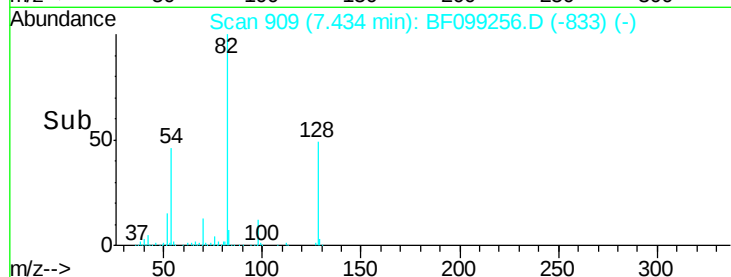


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF099256.D

Acq: 9 Oct 2017 3:03

Tgt Ion: 136 Resp: 509986

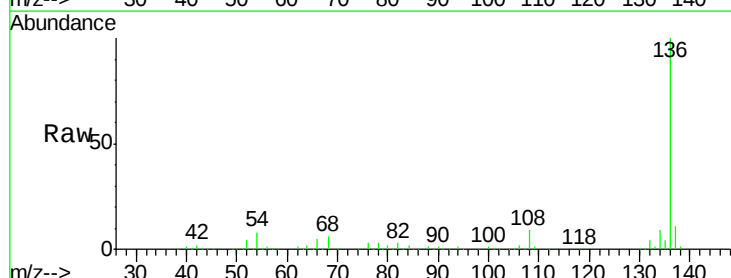
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 6.6 9.8

68 6.1 5.0 7.4

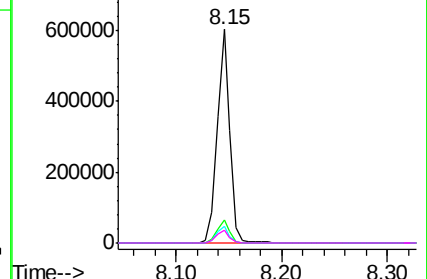
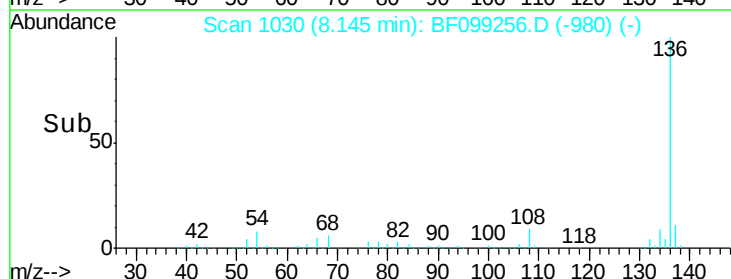


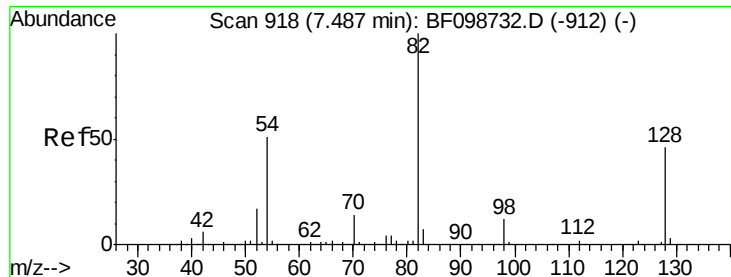
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

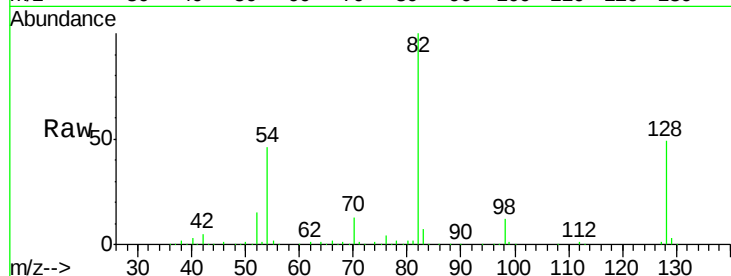




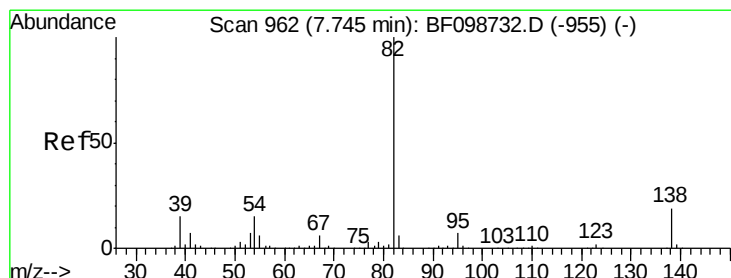
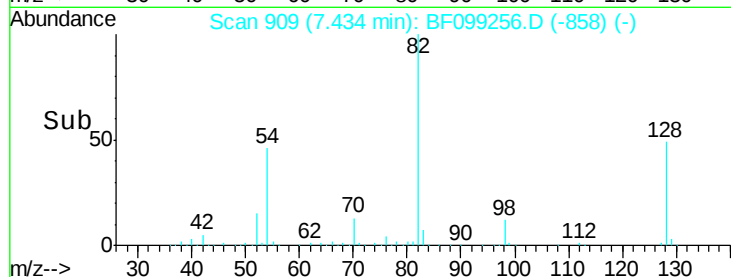
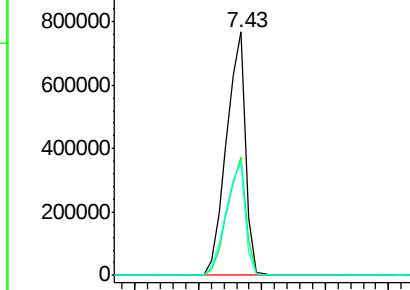
#23
Nitrobenzene-d5
Concen: 99.92 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF099256.D
Acq: 9 Oct 2017 3:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	794597
Ion Ratio	Lower	Upper	
82	100		
128	48.7	36.1	54.1
54	46.5	41.4	62.2

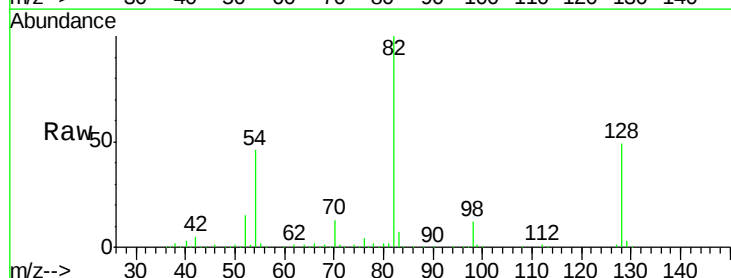


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

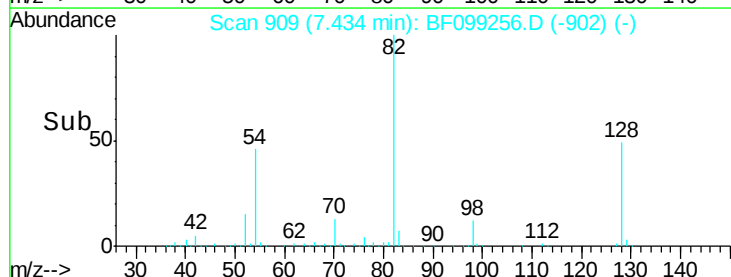
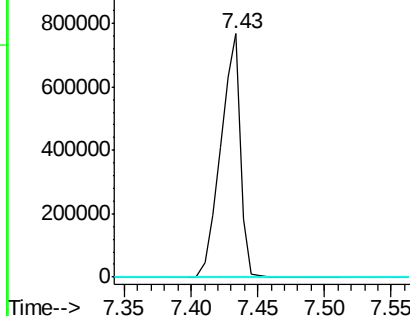


#25
Isophorone
Concen: 48.33 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF099256.D
Acq: 9 Oct 2017 3:03

Tgt Ion	82	Resp	794585
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

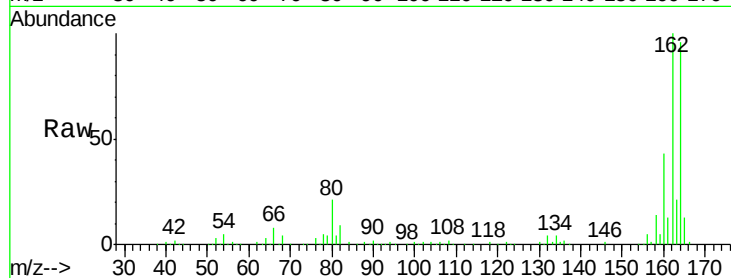




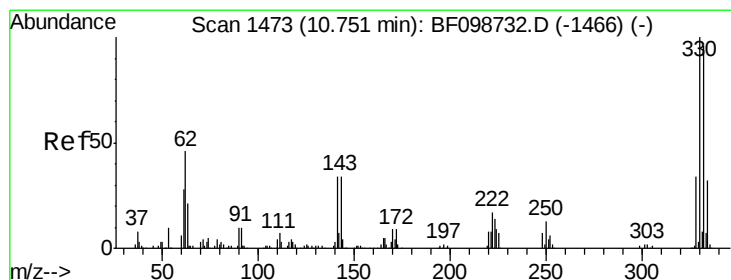
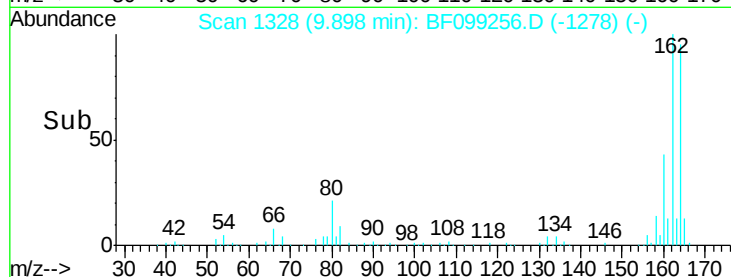
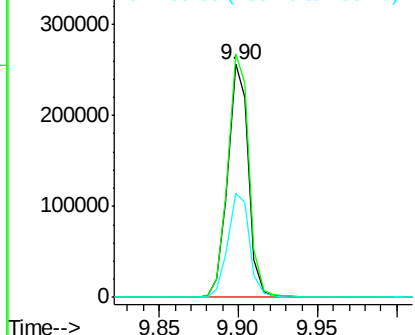
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 233013
 Ion Ratio Lower Upper
 164 100
 162 104.4 86.1 129.1
 160 44.9 38.3 57.5

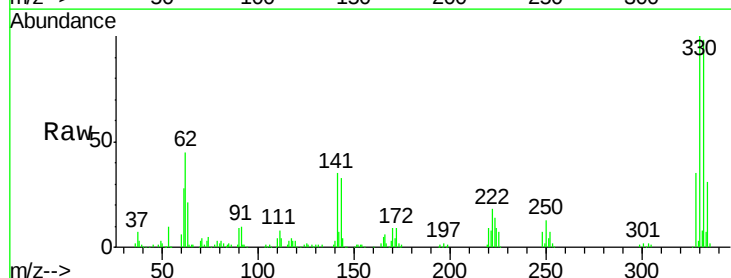


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

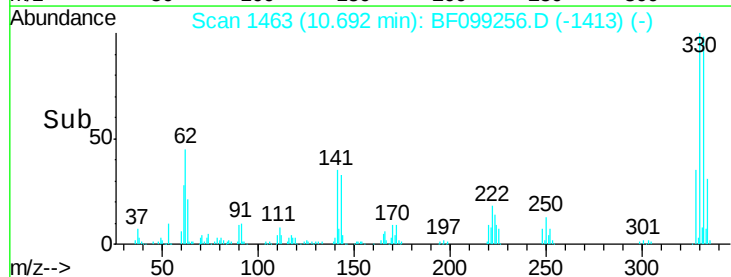
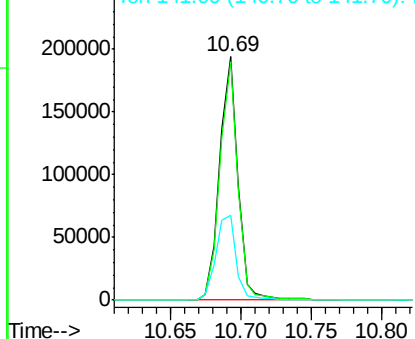


#41
 2,4,6-Tribromophenol
 Concen: 92.37 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

Tgt Ion:330 Resp: 176124
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 38.9 29.9 44.9



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

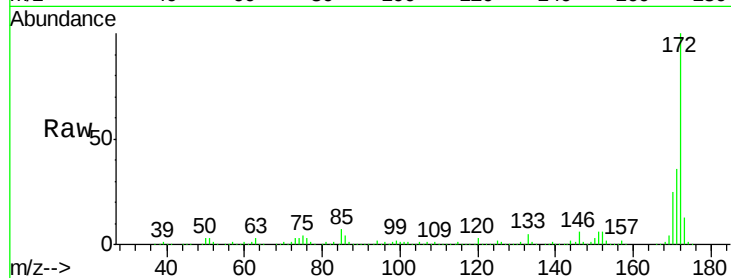




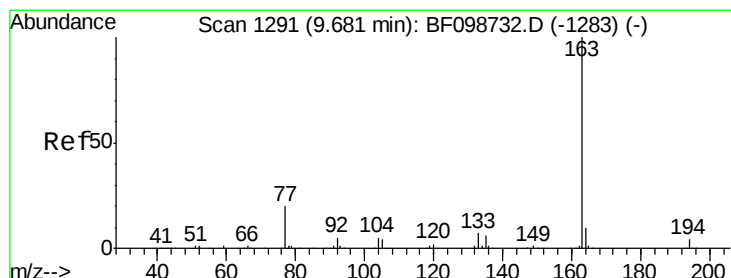
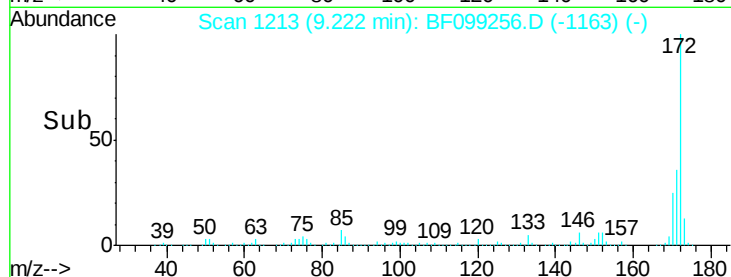
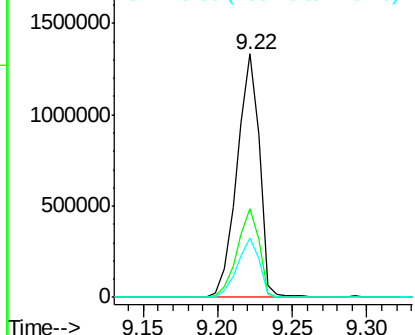
#44
2-Fluorobiphenyl
Concen: 100.71 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF099256.D
Acq: 9 Oct 2017 3:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1405628
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.5 19.6 29.4

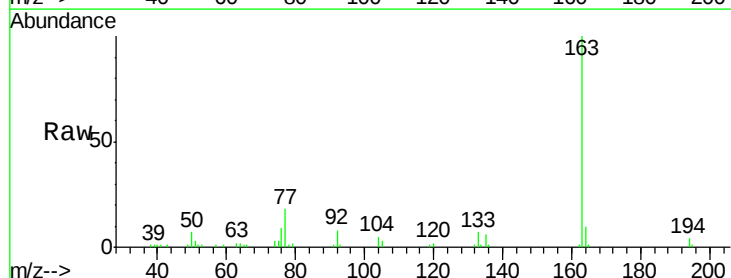


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

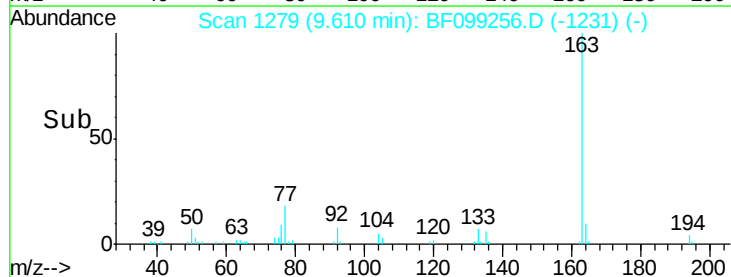
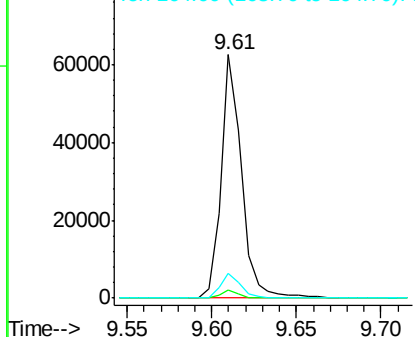


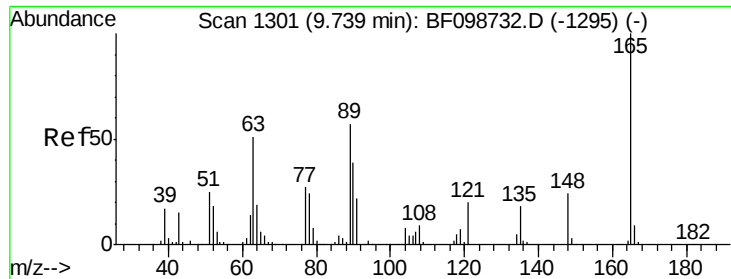
#49
Dimethylphthalate
Concen: 2.99 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099256.D
Acq: 9 Oct 2017 3:03

Tgt Ion:163 Resp: 52605
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.1 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

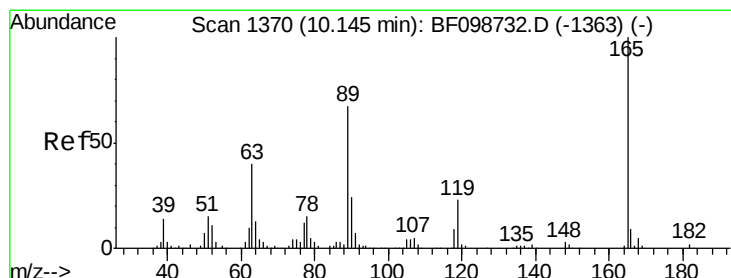
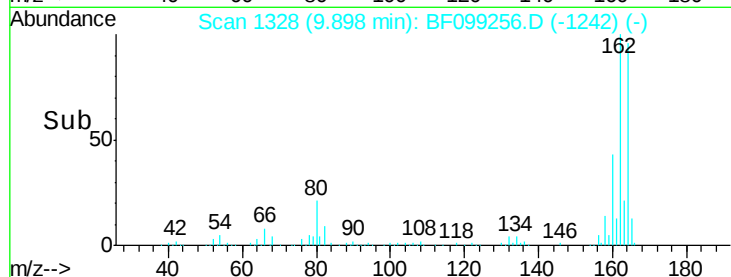
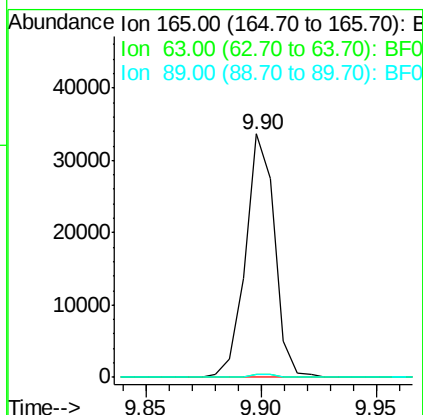
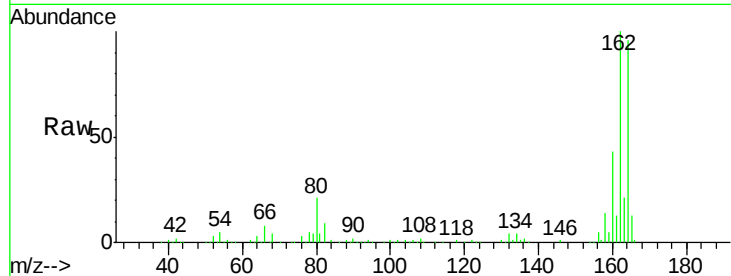




#50
 2,6-Dinitrotoluene
 Concen: 7.73 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

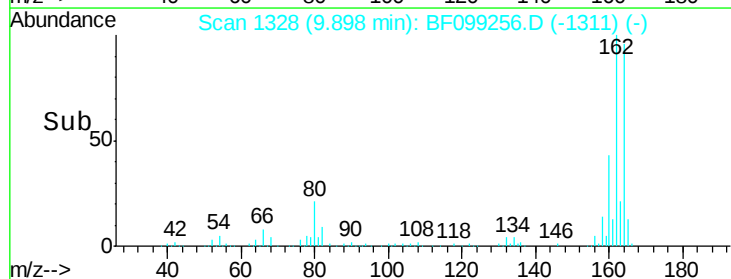
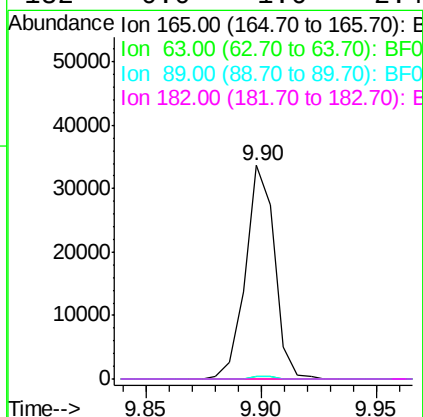
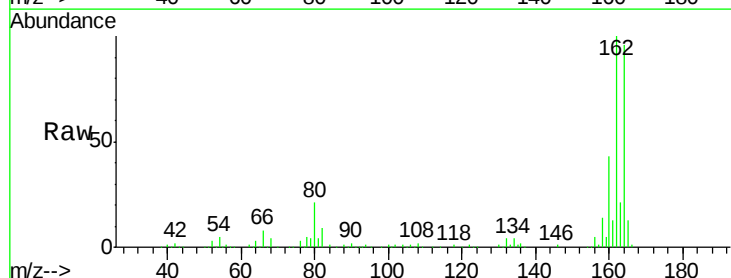
Instrument :
 BNA_F
 ClientSampleId :

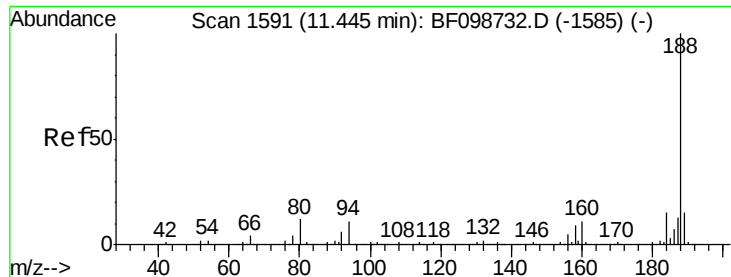
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.96 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

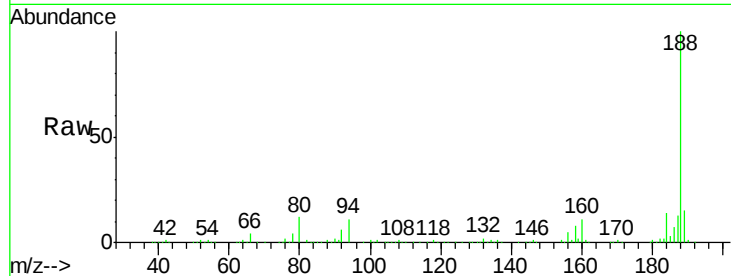




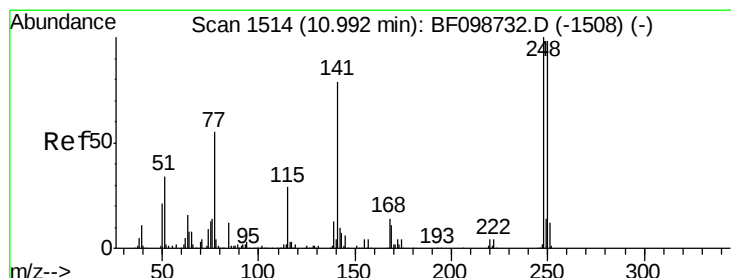
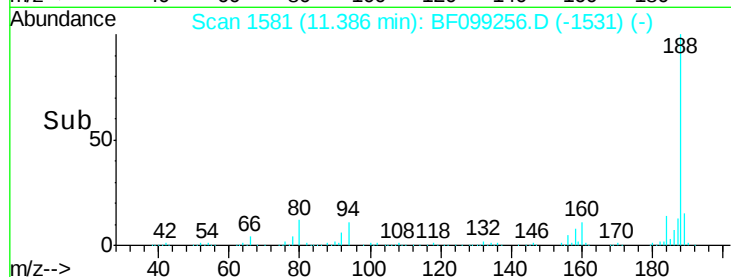
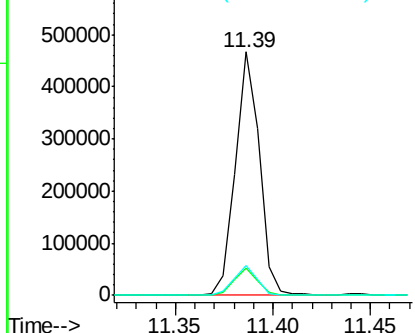
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099256.D
Acq: 9 Oct 2017 3:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 398950
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.1 9.2 13.8

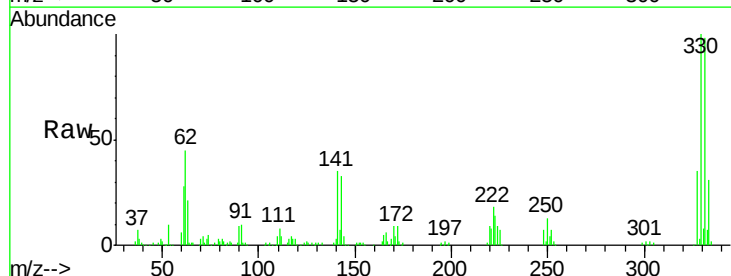


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

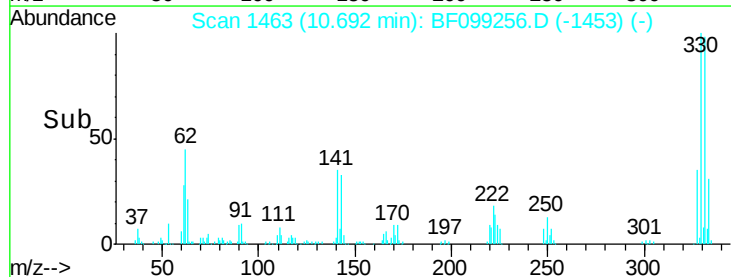
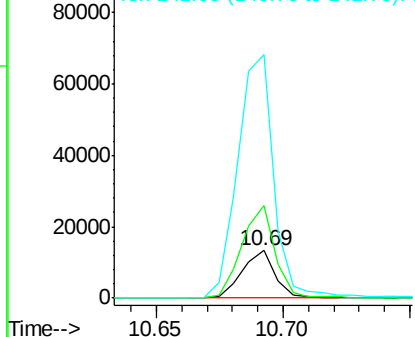


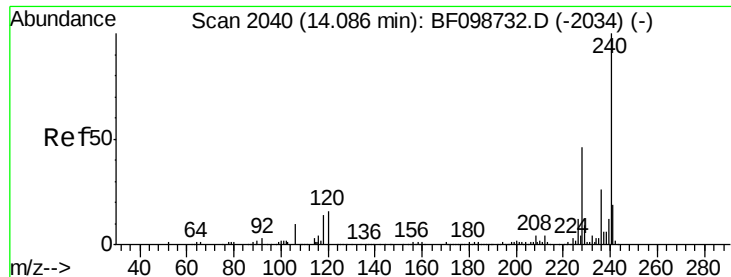
#66
4-Bromophenyl-phenylether
Concen: 3.08 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF099256.D
Acq: 9 Oct 2017 3:03

Tgt Ion:248 Resp: 12012
Ion Ratio Lower Upper
248 100
250 194.5 76.9 115.3#
141 511.7 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: BF099256.D

Acq: 9 Oct 2017 3:03

Instrument :

BNA_F

ClientSampleId :

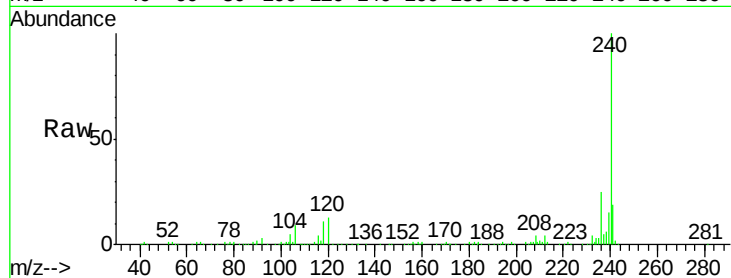
Tot Ion:240 Resp: 240352

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

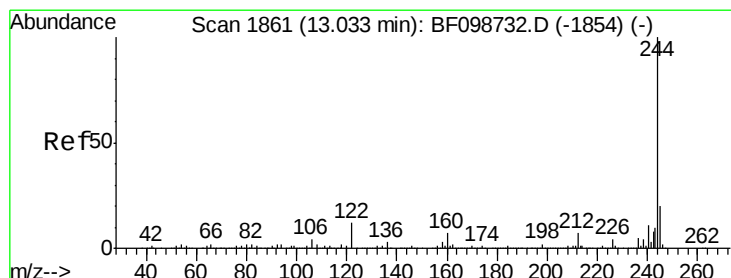
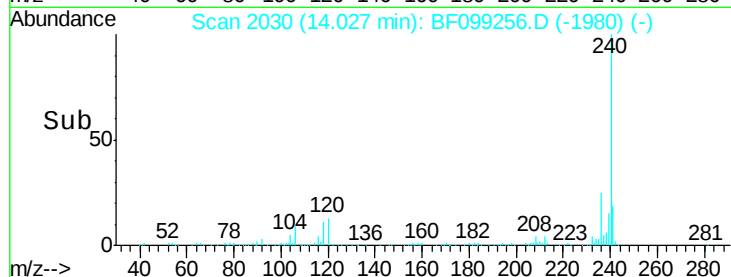
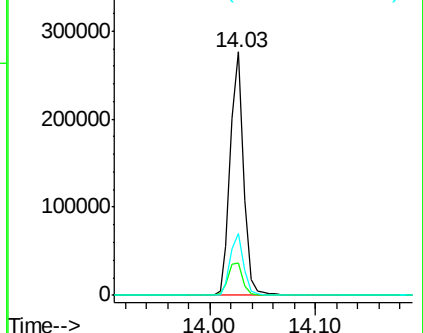
236 25.2 20.7 31.1



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: 108.96 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099256.D

Acq: 9 Oct 2017 3:03

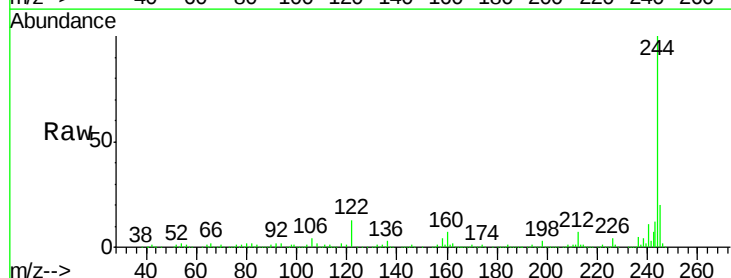
Tgt Ion:244 Resp: 1151523

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

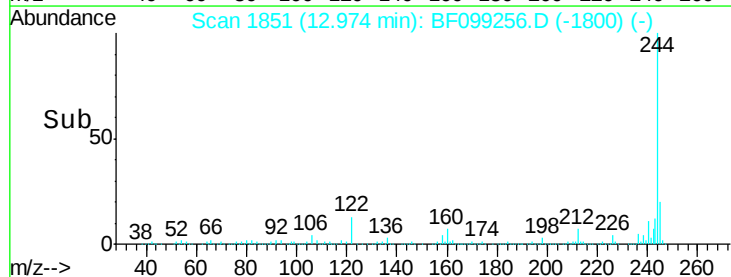
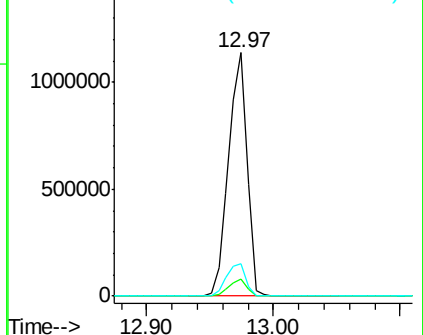
122 13.2 11.0 16.4

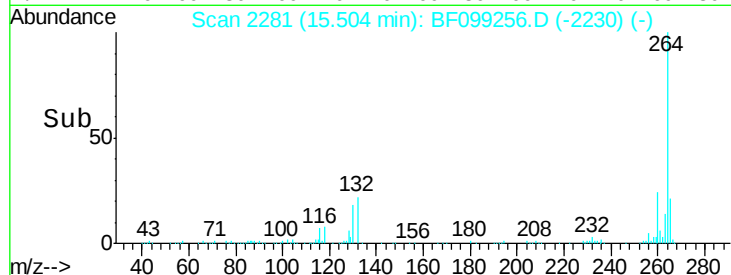
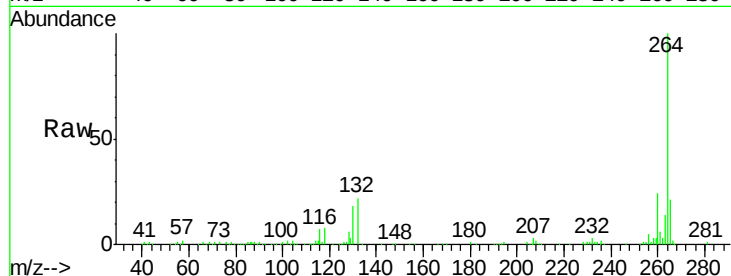
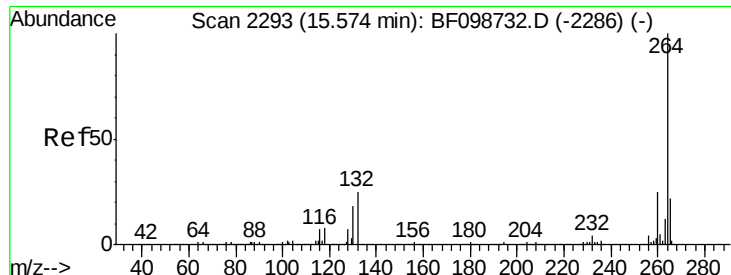


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: BF099256.D
 Acq: 9 Oct 2017 3:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	216865
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.4	17.5	26.3

