

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099453.D
 Acq On : 13 Oct 2017 21:37
 Operator : SJ/JU
 Sample : I5819-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 22:53:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

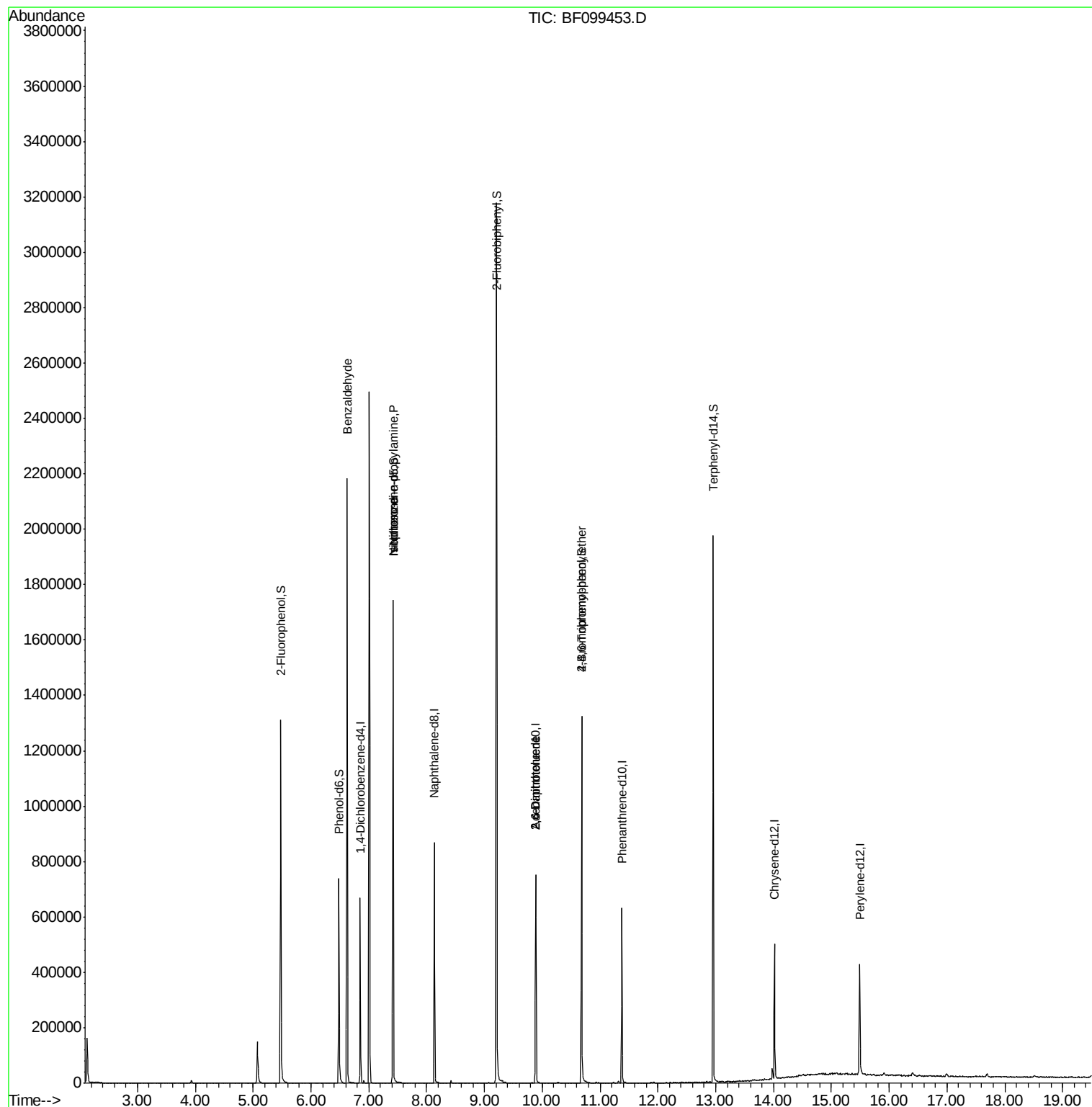
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	95560	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	371907	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	147790	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	211943	20.00	ng	0.00
75) Chrysene-d12	14.02	240	162486	20.00	ng	0.00
86) Perylene-d12	15.49	264	180666	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	384937	64.13	ng	0.00
7) Phenol-d6	6.48	99	274564	37.08	ng	0.00
23) Nitrobenzene-d5	7.42	82	597196	102.98	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	153722	127.11	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1046253	118.18	ng	0.00
78) Terphenyl-d14	12.96	244	646735	90.52	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	12568	2.93	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.42	70	75449	15.96	ng	# 73
25) Isophorone	7.42	82	597188	49.81	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	18175	7.48	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	18175	5.77	ng	# 23
66) 4-Bromophenyl-phenylether	10.68	248	10219	4.93	ng	# 1

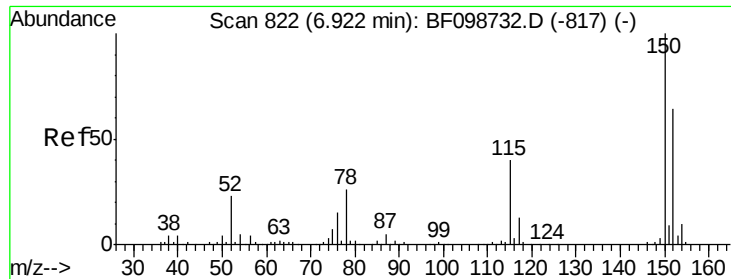
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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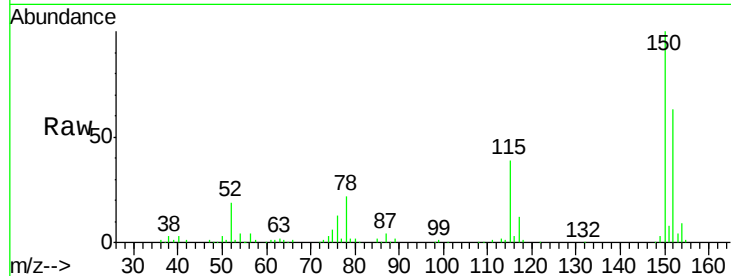


#1

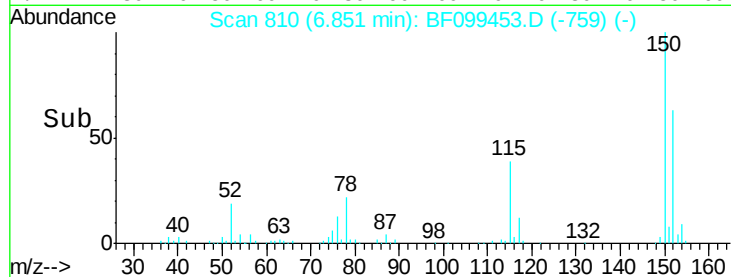
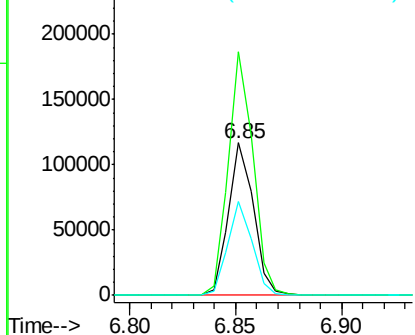
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 95560
Ion Ratio Lower Upper
152 100
150 160.0 124.6 186.8
115 61.8 50.1 75.1



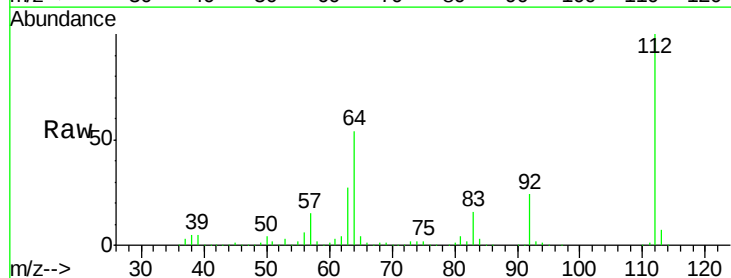
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



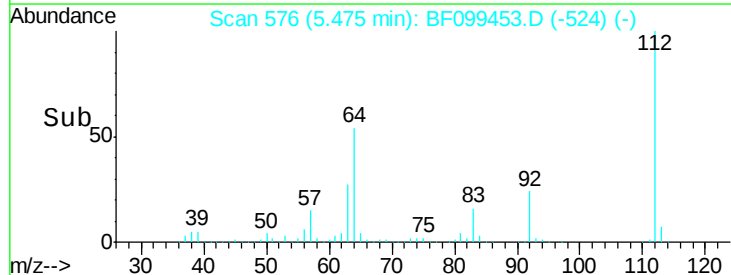
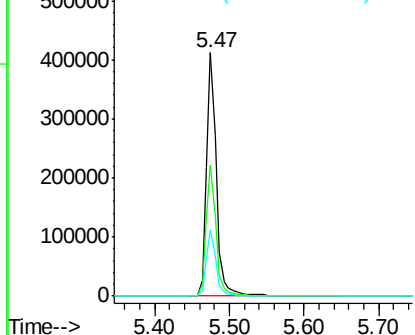
#5

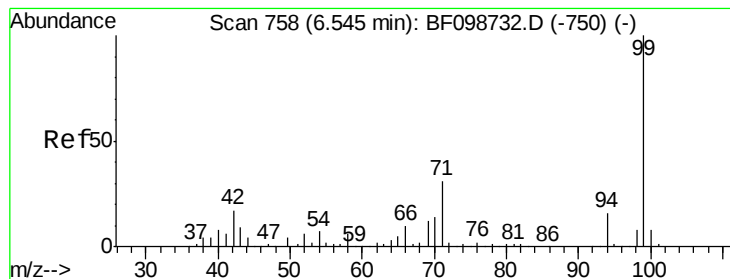
2-Fluorophenol
Concen: 64.13 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

Tgt Ion:112 Resp: 384937
Ion Ratio Lower Upper
112 100
64 54.0 47.9 71.9
63 27.2 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: 37.08 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099453.D

Acq: 13 Oct 2017 21:37

Instrument :

BNA_F

ClientSampleId :

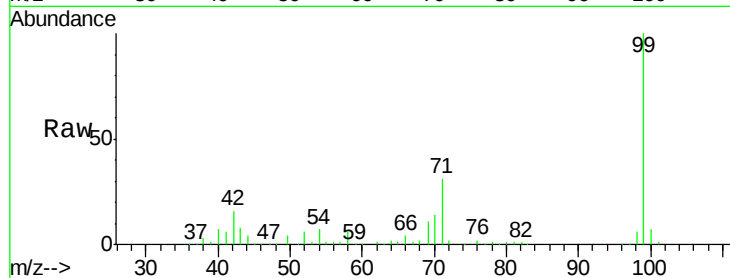
Tot Ion: 99 Resp: 274564

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

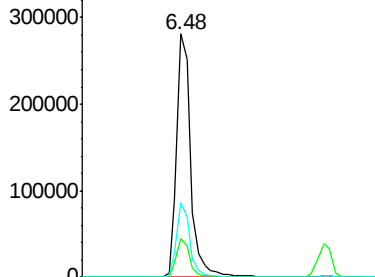
71 30.5 25.4 38.0



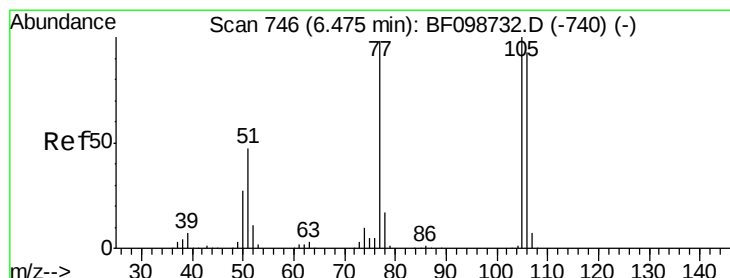
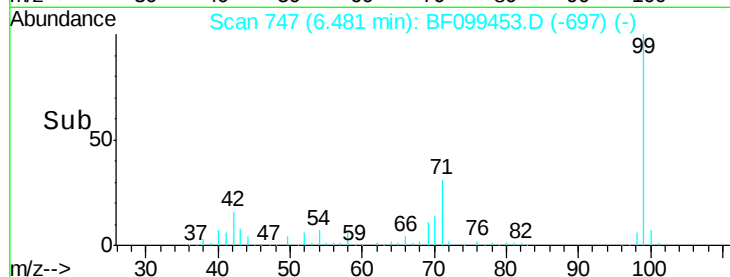
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#9

Benzaldehyde

Concen: 2.93 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099453.D

Acq: 13 Oct 2017 21:37

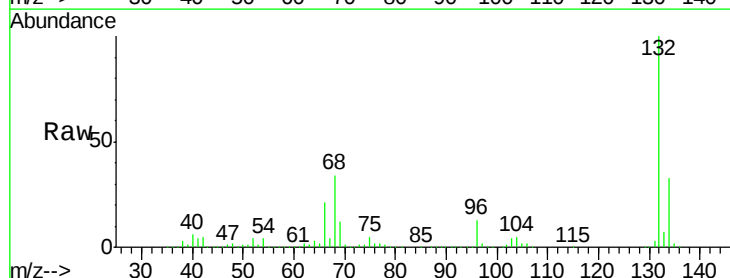
Tgt Ion: 77 Resp: 12568

Ion Ratio Lower Upper

77 100

105 82.4 81.1 121.1

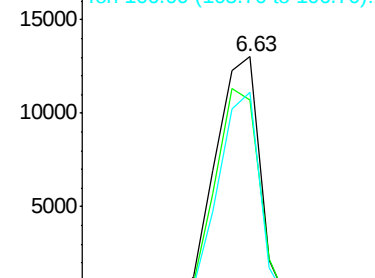
106 85.3 74.5 114.5



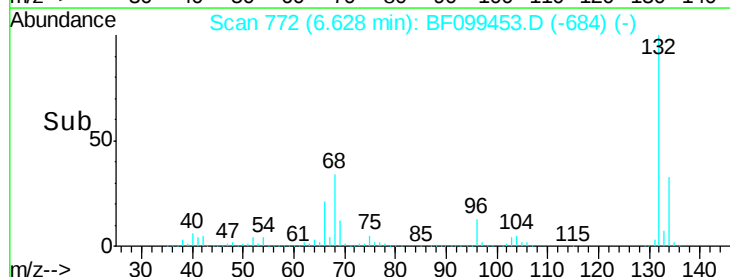
Abundance Ion 77.00 (76.70 to 77.70): BF0

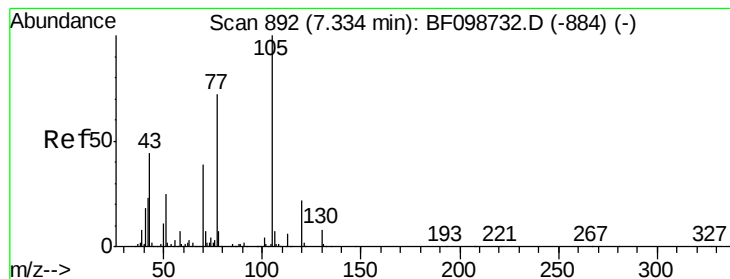
Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 15.96 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099453.D

Acq: 13 Oct 2017 21:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 75449

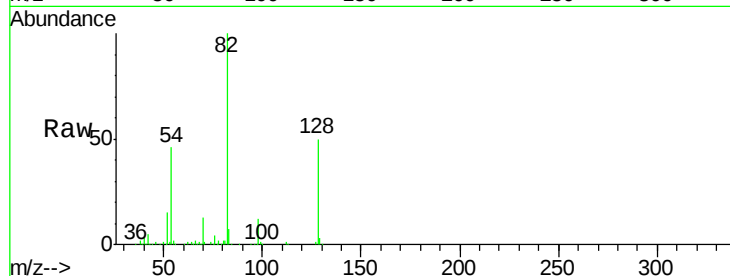
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



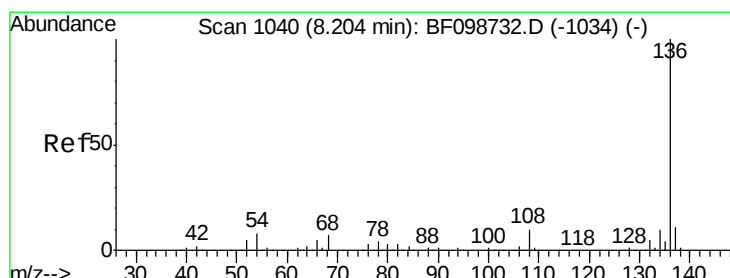
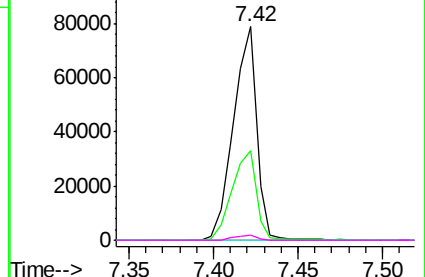
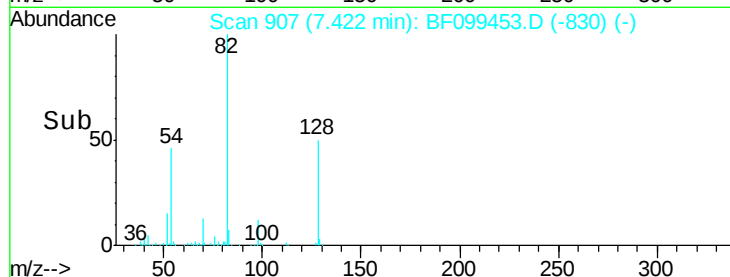
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099453.D

Acq: 13 Oct 2017 21:37

Tgt Ion: 136 Resp: 371907

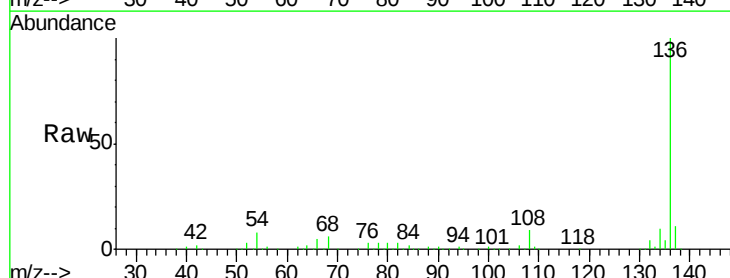
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.5 6.6 9.8

68 6.0 5.0 7.4



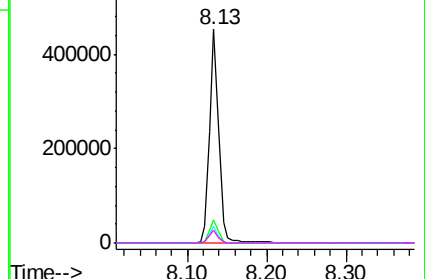
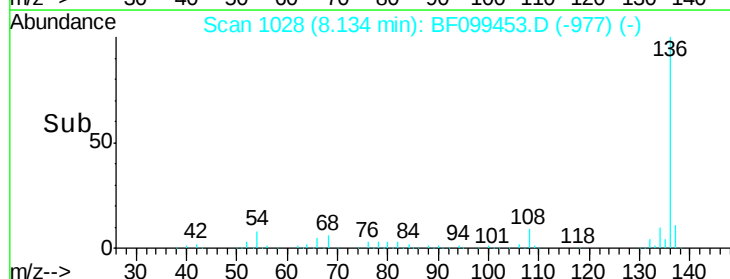
Abundance Ion 136.00 (135.70 to 136.70): BF0

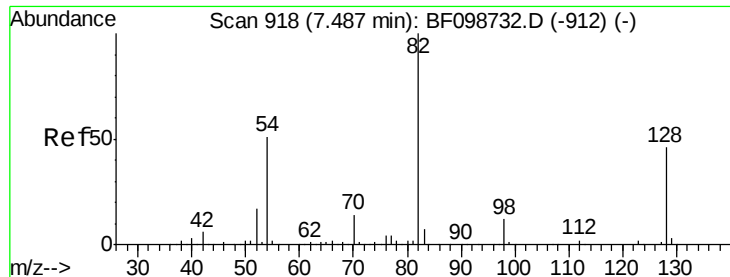
Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->

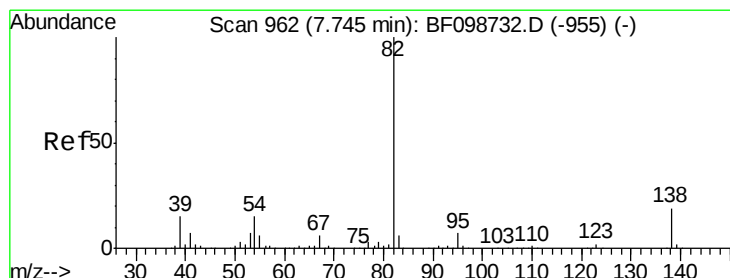
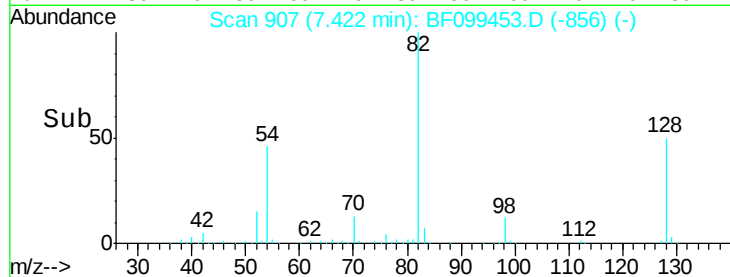
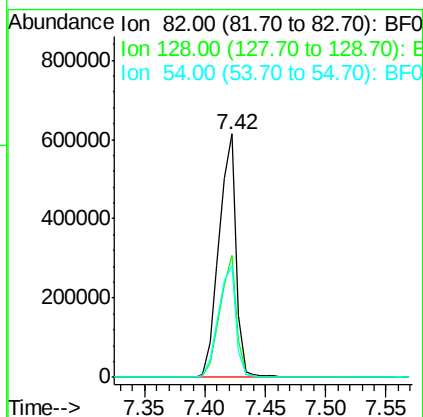
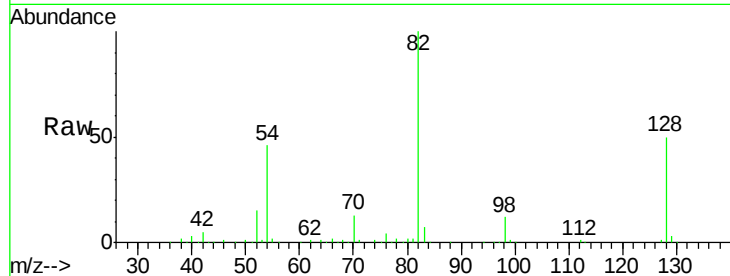




#23
Nitrobenzene-d5
Concen: 102.98 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

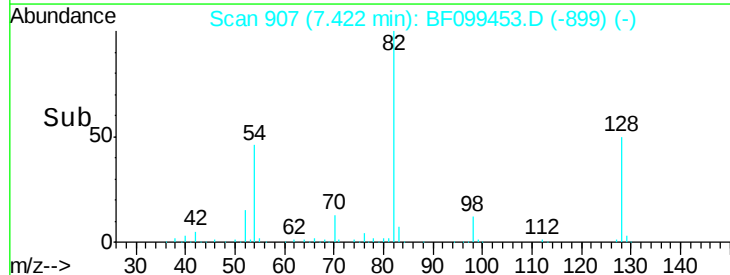
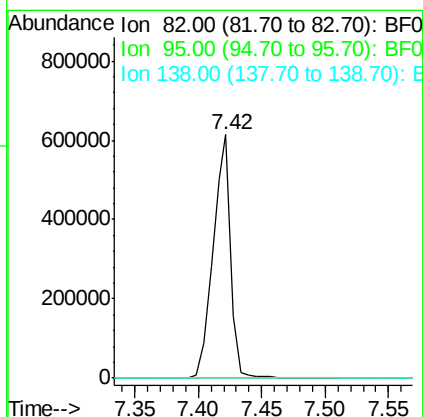
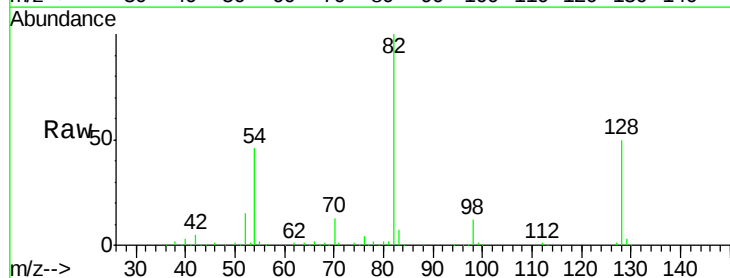
Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	597196
Ion Ratio	100	Lower	Upper
128	50.1	36.1	54.1
54	46.1	41.4	62.2



#25
Isophorone
Concen: 49.81 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.25 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

Tgt Ion	82	Resp	597188
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

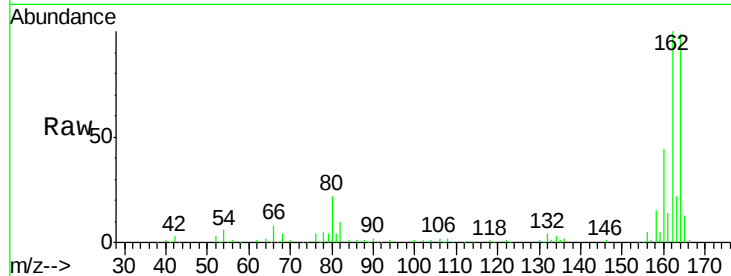




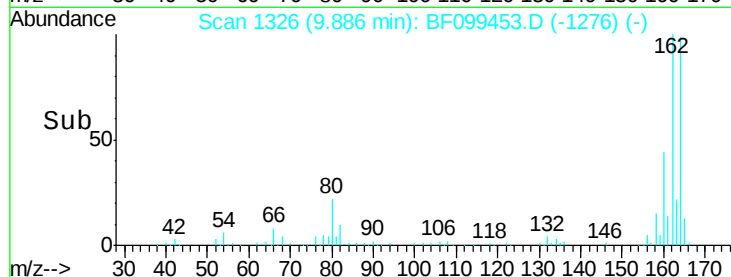
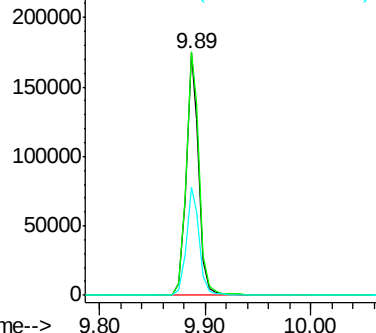
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099453.D
 Acq: 13 Oct 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 147790
 Ion Ratio Lower Upper
 164 100
 162 100.6 86.1 129.1
 160 44.6 38.3 57.5

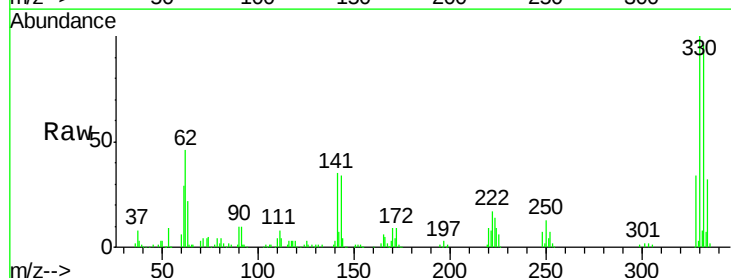


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

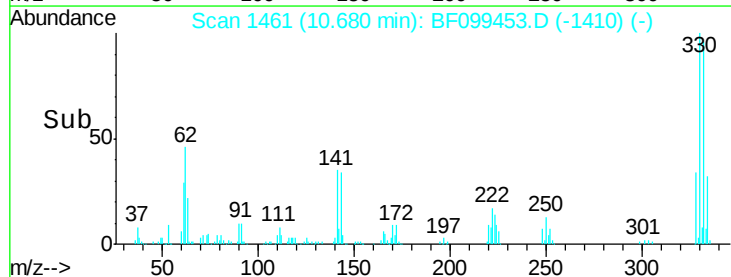
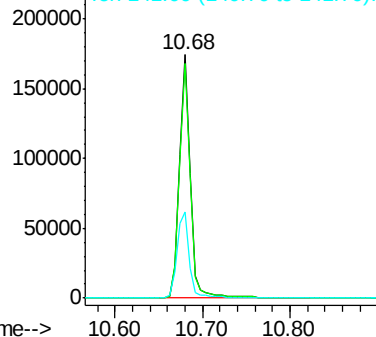


#41
 2,4,6-Tribromophenol
 Concen: 127.11 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099453.D
 Acq: 13 Oct 2017 21:37

Tgt Ion:330 Resp: 153722
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 39.4 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



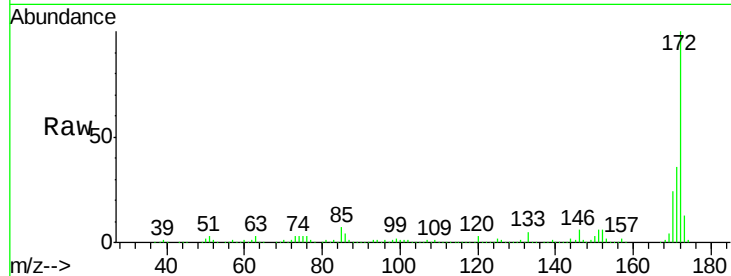


#44
 2-Fluorobiphenyl
 Concen: 118.18 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099453.D
 Acq: 13 Oct 2017 21:37

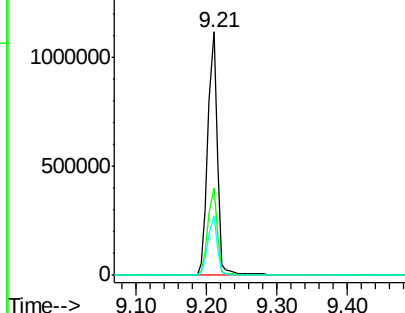
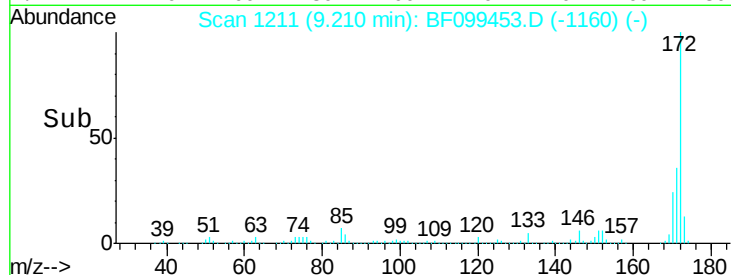
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1046253

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4



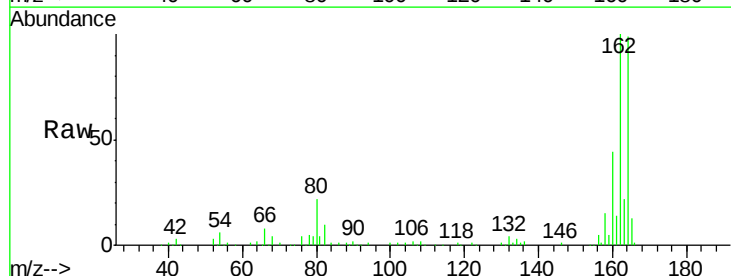
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



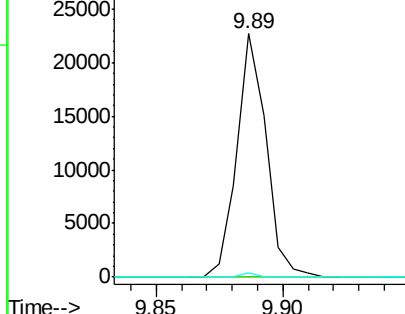
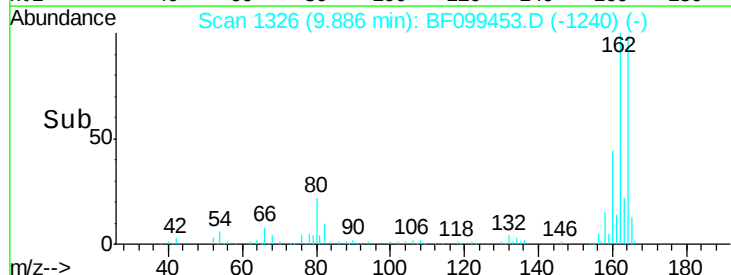
#50
 2,6-Dinitrotoluene
 Concen: 7.48 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099453.D
 Acq: 13 Oct 2017 21:37

Tgt Ion:165 Resp: 18175

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.7	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

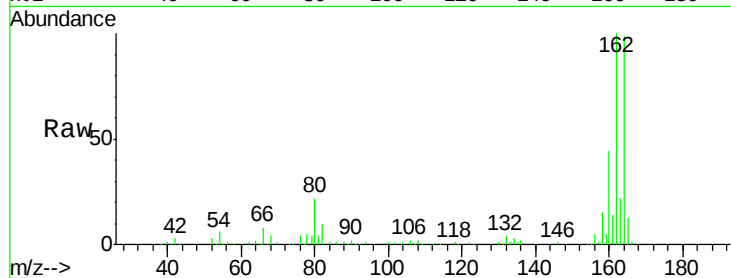




#56
2,4-Dinitrotoluene
Concen: 5.77 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	18175
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.7	57.8 86.6#
182	0.0	1.6 2.4#

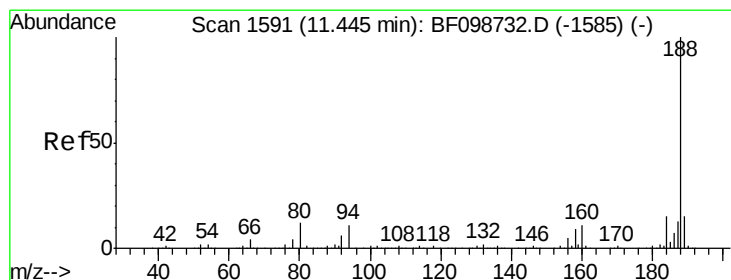
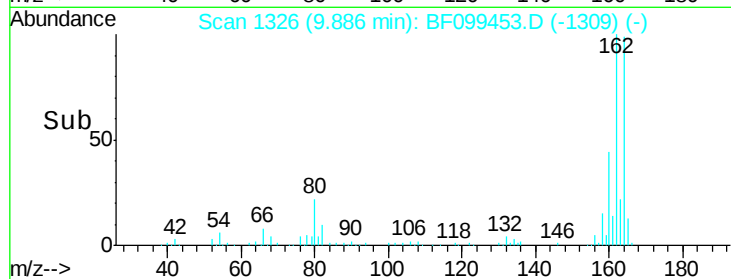
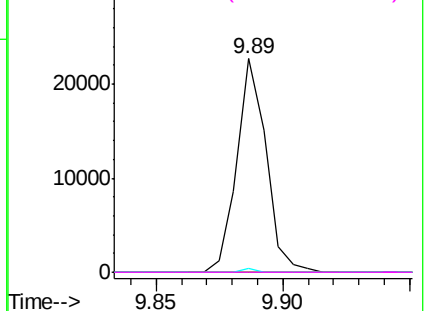


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

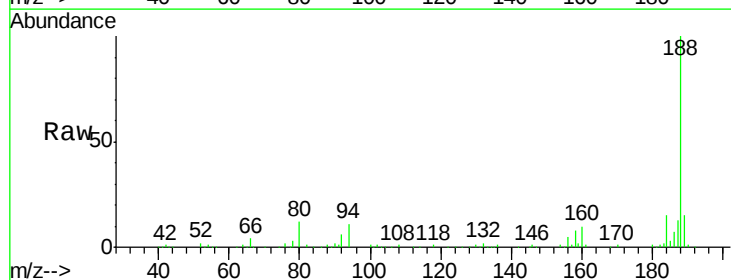
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

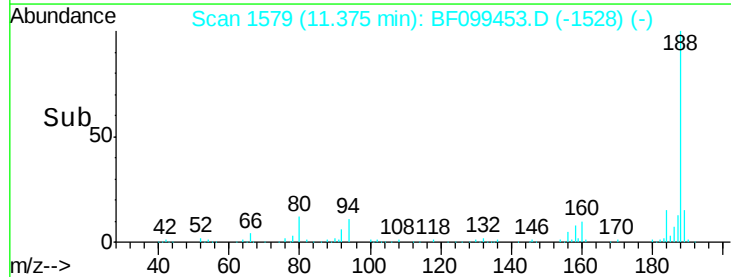
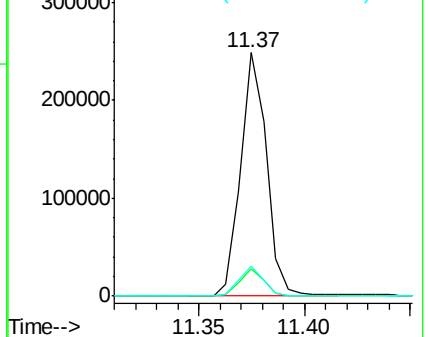
Tgt Ion:188	Resp:	211943
Ion Ratio	Lower	Upper
188	100	
94	11.0	8.5 12.7
80	12.0	9.2 13.8



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

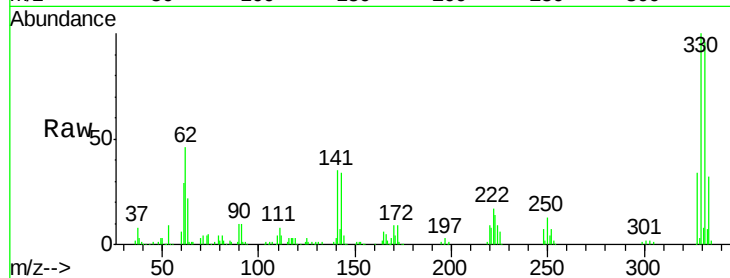




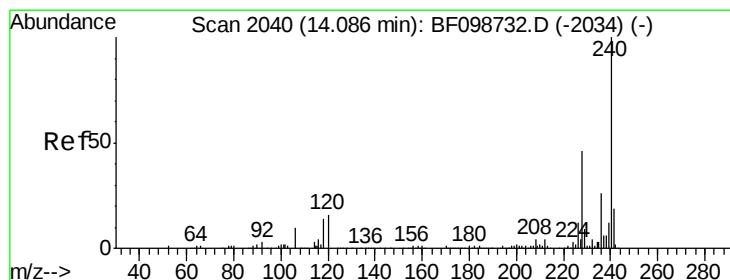
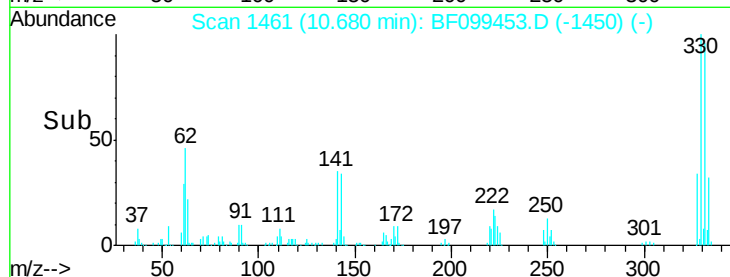
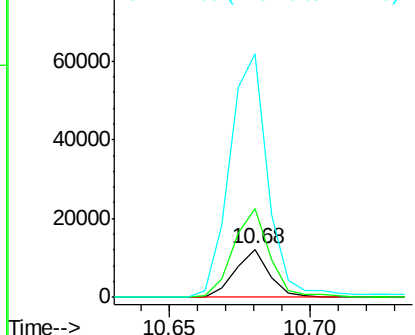
#66
4-Bromophenyl-phenylether
Concen: 4.93 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10219
Ion Ratio Lower Upper
248 100
250 185.5 76.9 115.3#
141 507.7 74.4 111.6#

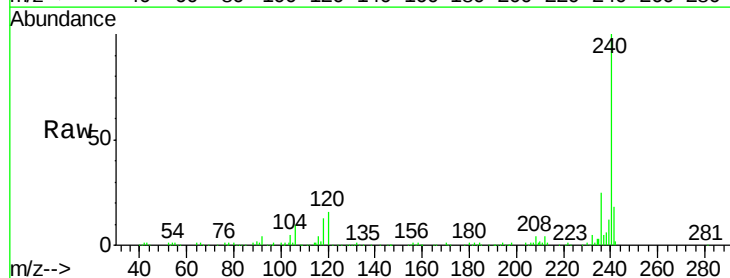


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

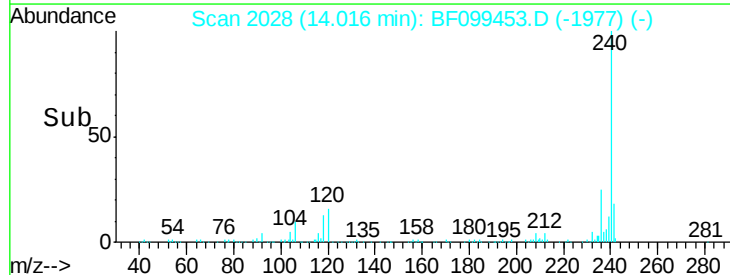
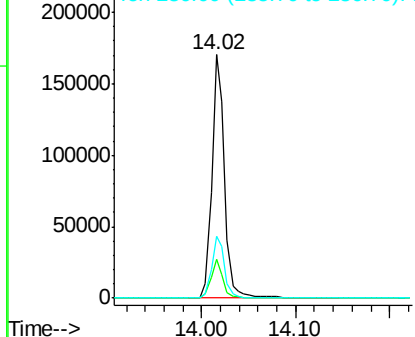


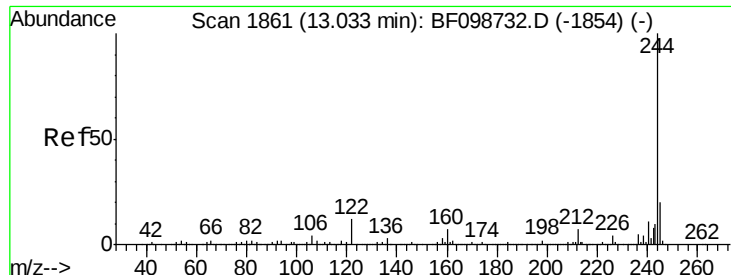
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099453.D
Acq: 13 Oct 2017 21:37

Tgt Ion:240 Resp: 162486
Ion Ratio Lower Upper
240 100
120 15.8 9.5 14.3#
236 25.3 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

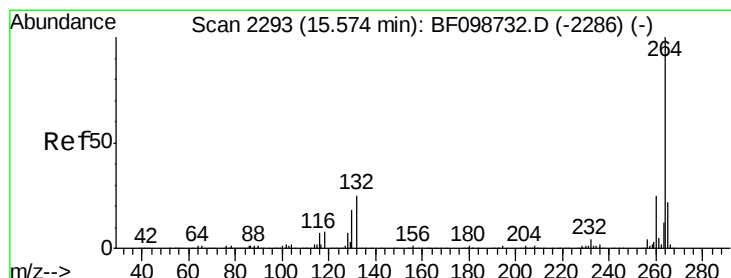
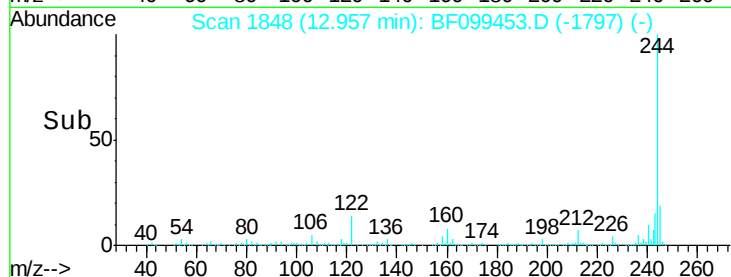
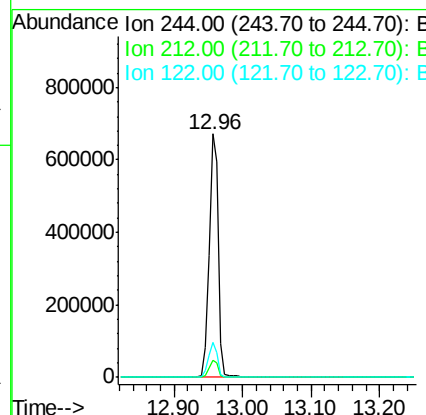
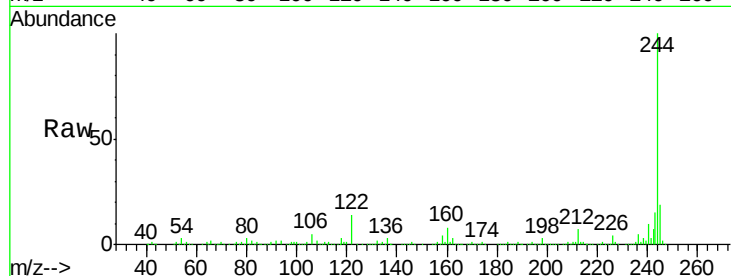




#78
 Terphenyl-d14
 Concen: 90.52 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF099453.D
 Acq: 13 Oct 2017 21:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 646735
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF099453.D
 Acq: 13 Oct 2017 21:37

Tgt Ion:264 Resp: 180666
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 20.7 17.5 26.3

