

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099983.D
 Acq On : 31 Oct 2017 2:28
 Operator : SJ/JU
 Sample : I6083-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 04:30:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

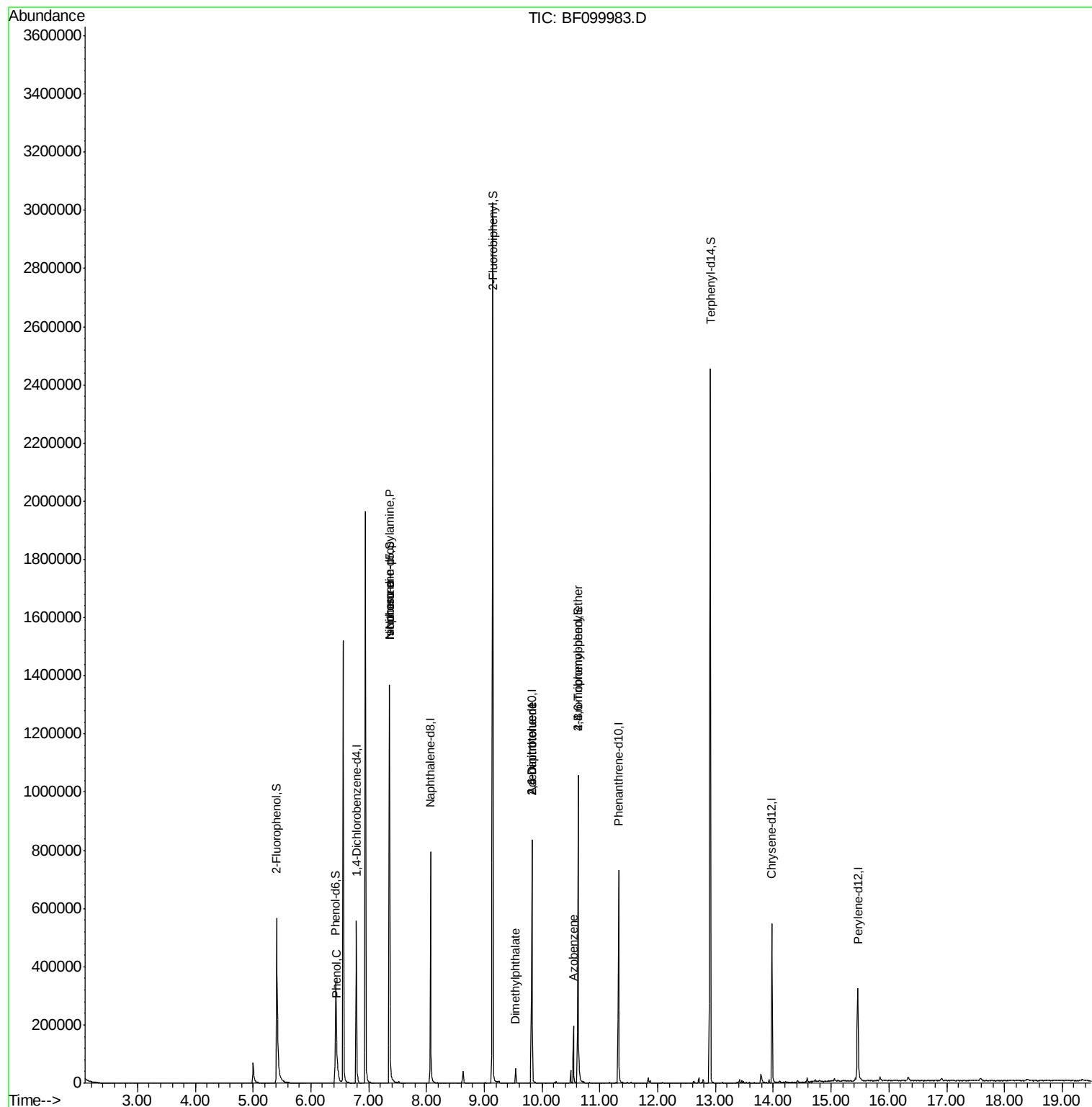
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	92445	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	371693	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	168233	20.00	ng	-0.02
63) Phenanthrene-d10	11.32	188	296115	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	195278	20.00	ng	-0.02
86) Perylene-d12	15.46	264	171354	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	263845	44.81	ng	0.00
7) Phenol-d6	6.43	99	199863	28.63	ng	-0.01
23) Nitrobenzene-d5	7.36	82	518397	89.79	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	137377	89.61	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1009928	92.62	ng	-0.01
78) Terphenyl-d14	12.91	244	872551	97.65	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	18761	2.447	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	63635	15.553	ng	# 70
25) Isophorone	7.36	82	518397	49.483	ng	# 64
49) Dimethylphthalate	9.54	163	27747	2.083	ng	99
50) 2,6-Dinitrotoluene	9.82	165	21462	7.663	ng	# 26
56) 2,4-Dinitrotoluene	9.82	165	21462	6.363	ng	# 23
62) Azobenzene	10.54	77	31862	2.921	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	9003	2.888	ng	# 1

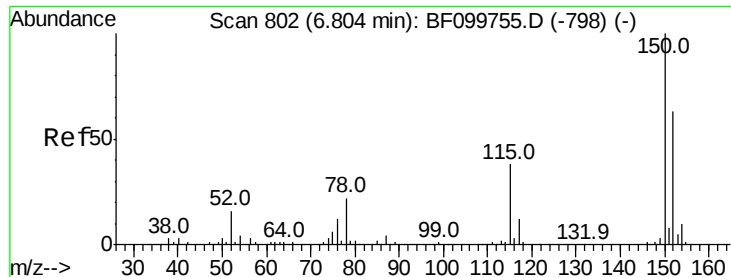
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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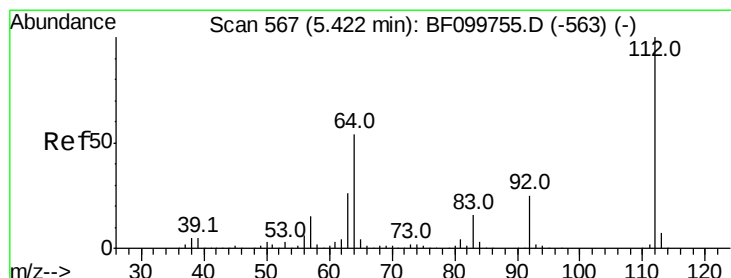
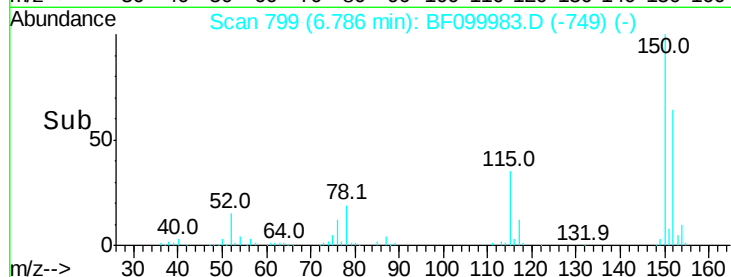
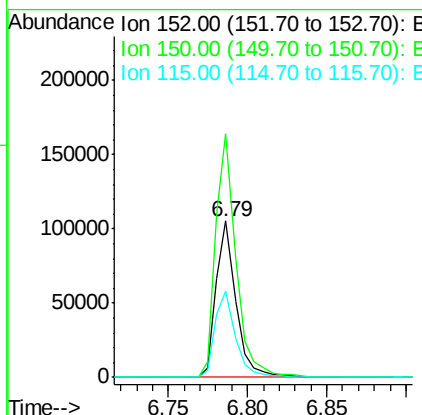
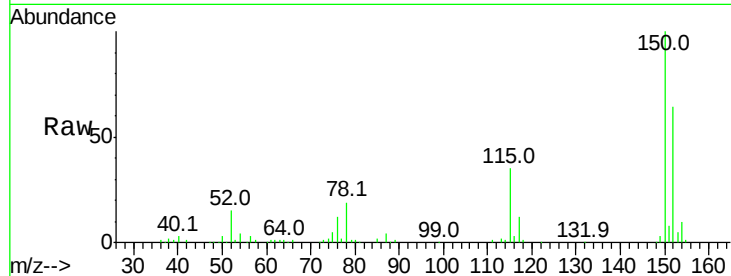




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

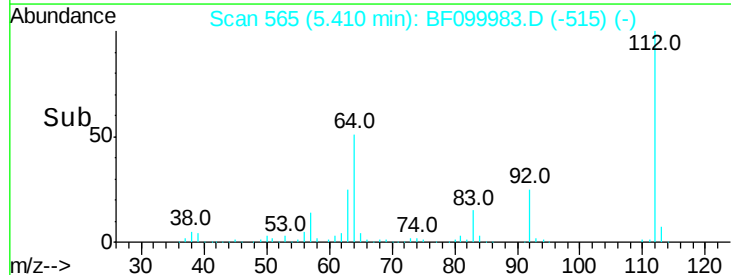
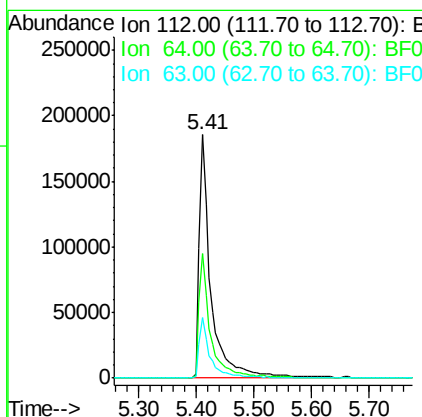
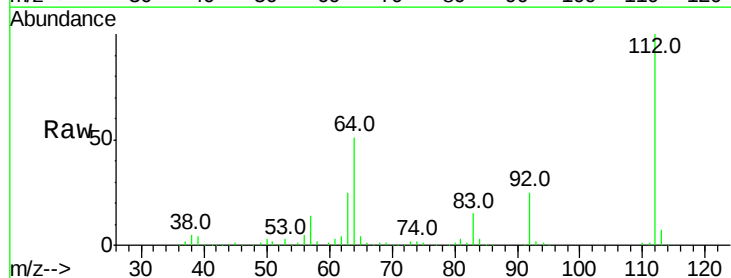
Instrument :
 BNA_F
 ClientSampleId :

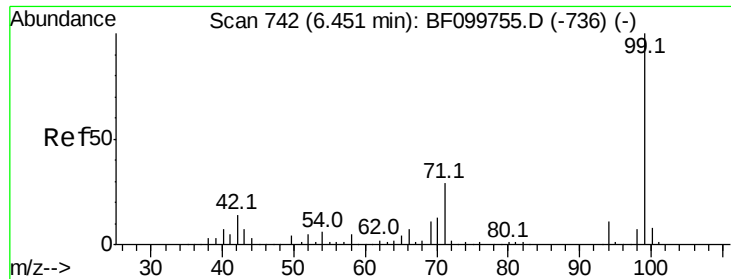
Tot Ion:152 Resp: 92445
 Ion Ratio Lower Upper
 152 100
 150 156.1 124.6 186.8
 115 55.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 44.808 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Tgt Ion:112 Resp: 263845
 Ion Ratio Lower Upper
 112 100
 64 51.2 47.9 71.9
 63 25.0 23.7 35.5





#7

Phenol-d6

Concen: 28.626 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

Instrument :

BNA_F

ClientSampleId :

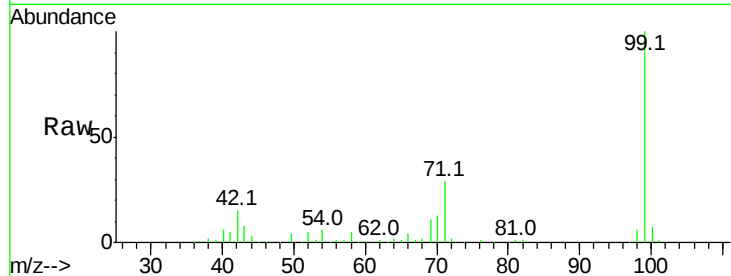
Tot Ion: 99 Resp: 199863

Ion Ratio Lower Upper

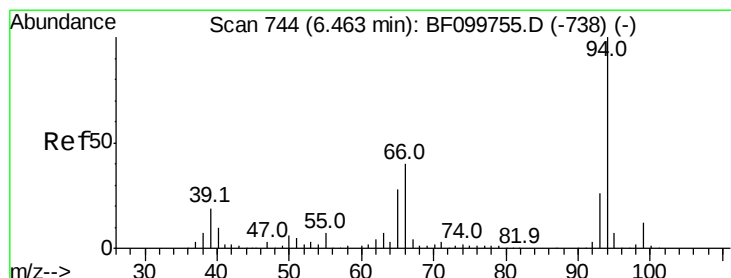
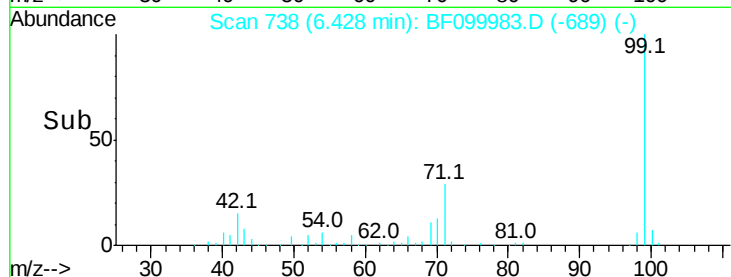
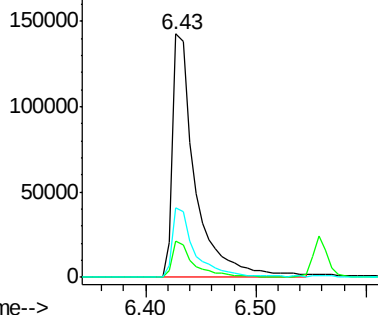
99 100

42 14.6 14.5 21.7

71 28.7 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



#10

Phenol

Concen: 2.447 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

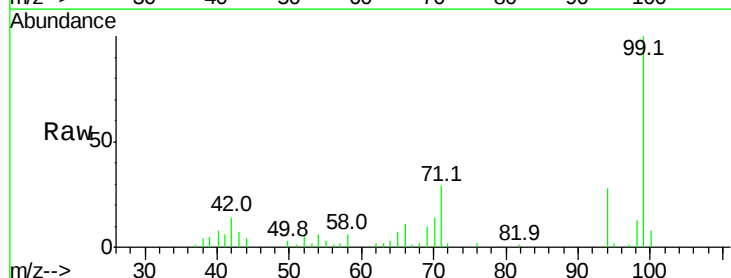
Tgt Ion: 94 Resp: 18761

Ion Ratio Lower Upper

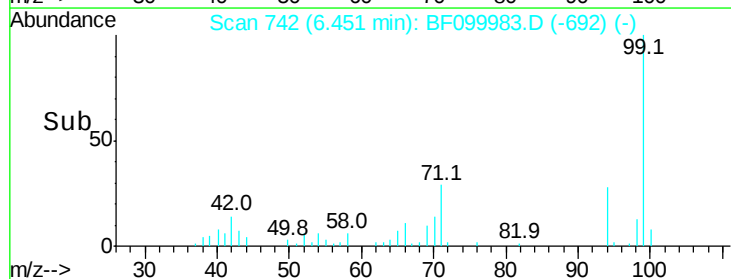
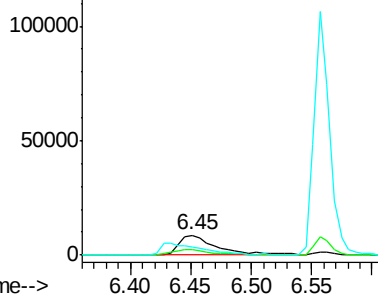
94 100

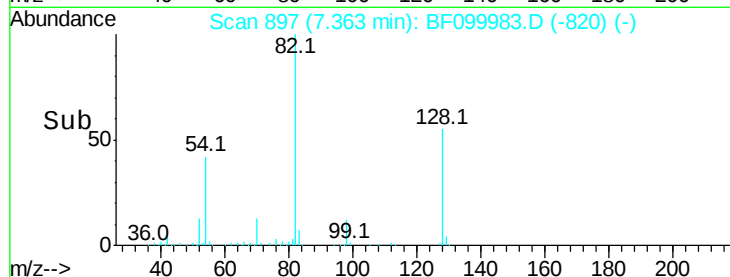
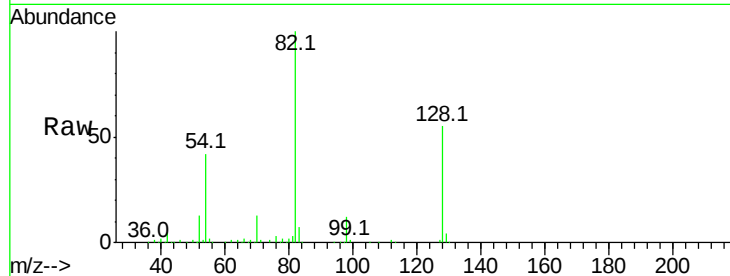
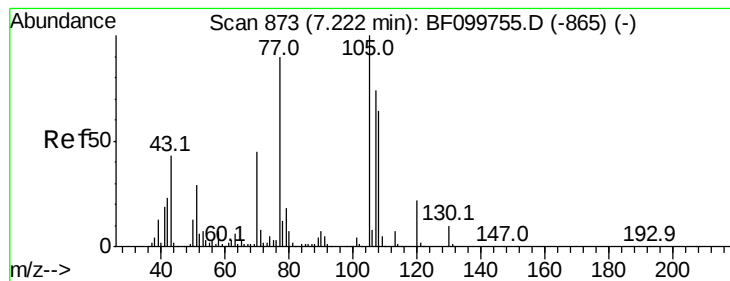
65 24.8 7.9 47.9

66 38.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.553 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 63635

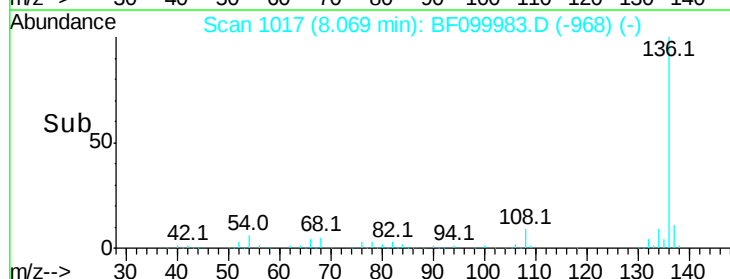
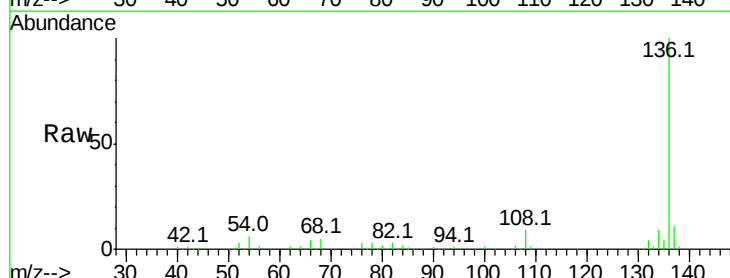
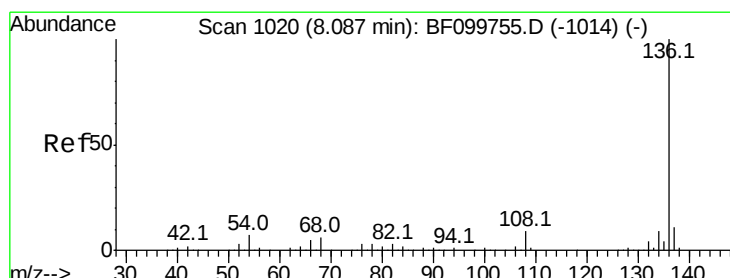
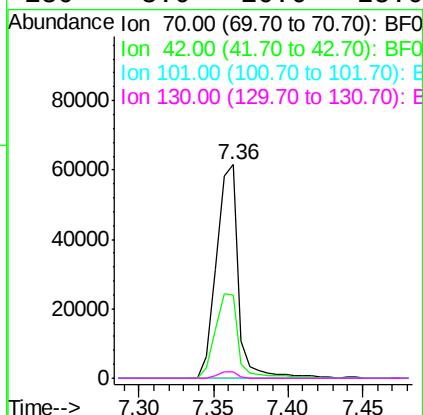
Ion Ratio Lower Upper

70 100

42 38.7 47.5 71.3#

101 0.0 7.4 11.2#

130 3.0 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

Tgt Ion: 136 Resp: 371693

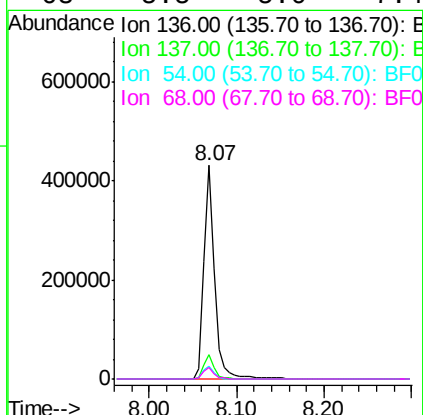
Ion Ratio Lower Upper

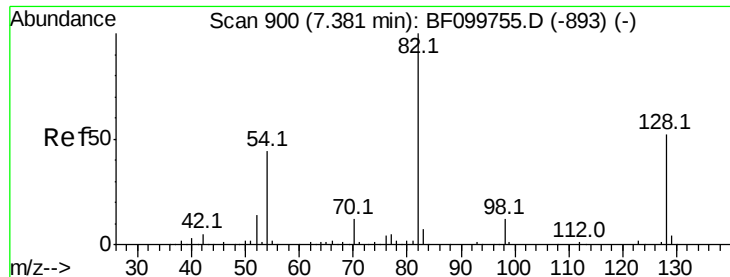
136 100

137 11.1 8.9 13.3

54 6.2 6.6 9.8#

68 5.5 5.0 7.4

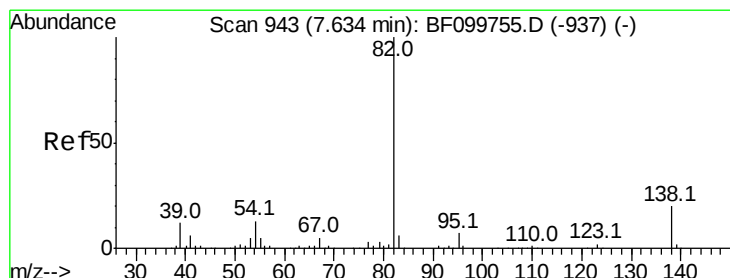
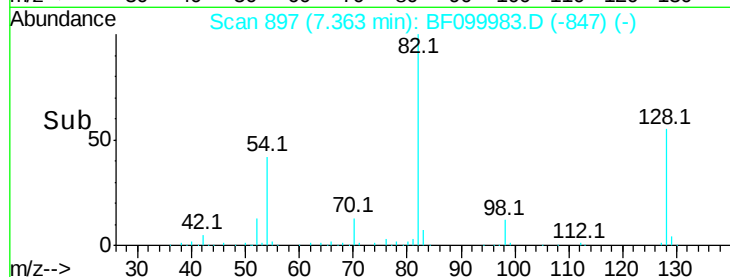
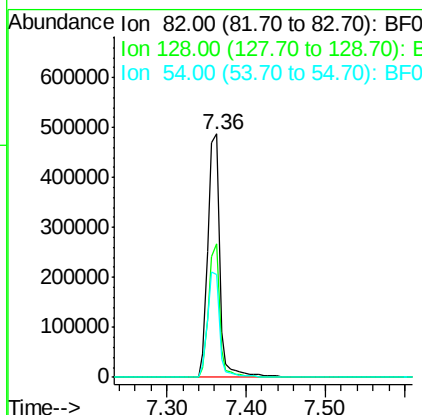
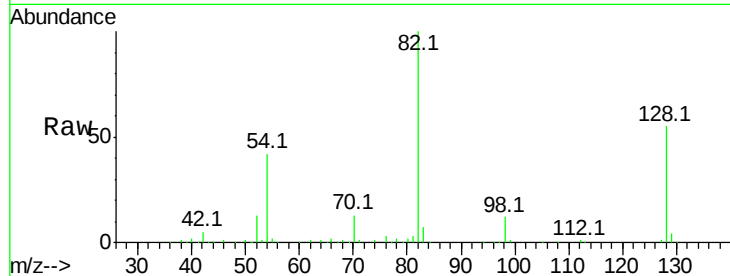




#23
 Nitrobenzene-d5
 Concen: 89.791 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

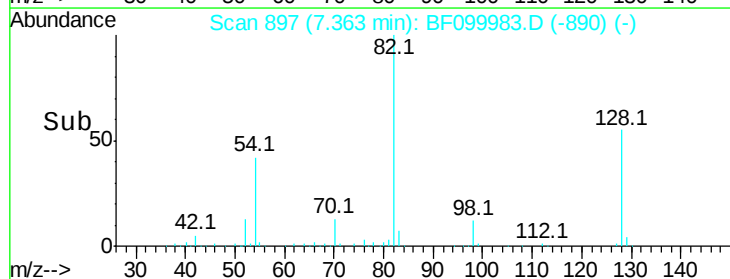
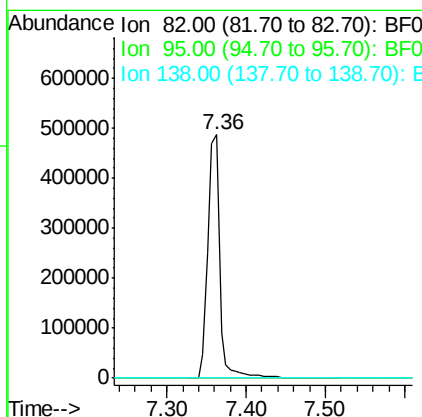
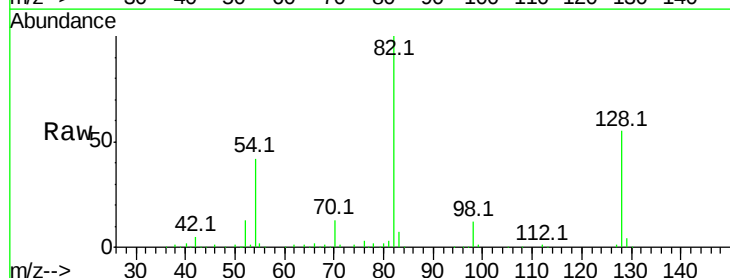
Instrument :
 BNA_F
 ClientSampleId :

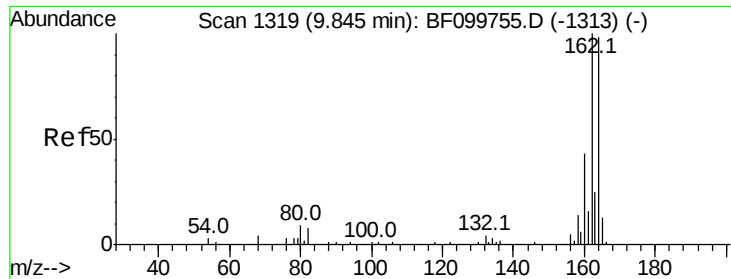
Tot Ion: 82 Resp: 518397
 Ion Ratio Lower Upper
 82 100
 128 55.1 36.1 54.1#
 54 42.4 41.4 62.2



#25
 Isophorone
 Concen: 49.483 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Tgt Ion: 82 Resp: 518397
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

Instrument :

BNA_F

ClientSampled :

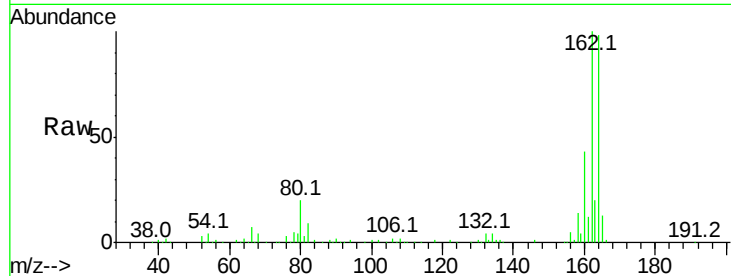
Tot Ion:164 Resp: 168233

Ion Ratio Lower Upper

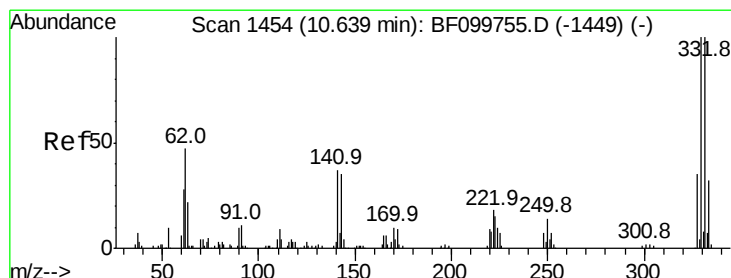
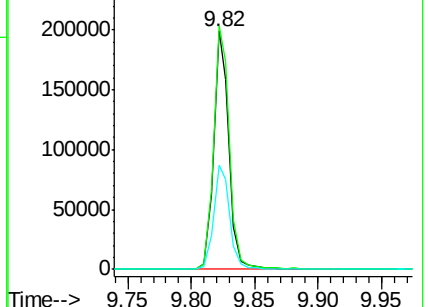
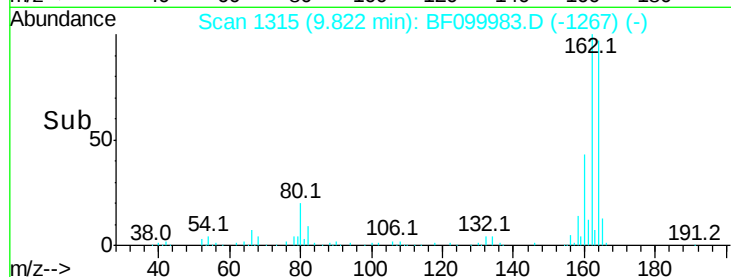
164 100

162 102.3 86.1 129.1

160 44.0 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: 89.605 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

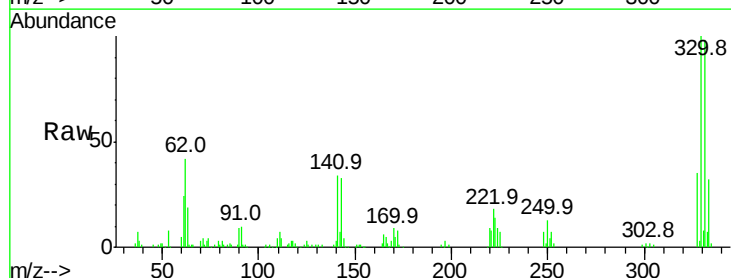
Tgt Ion:330 Resp: 137377

Ion Ratio Lower Upper

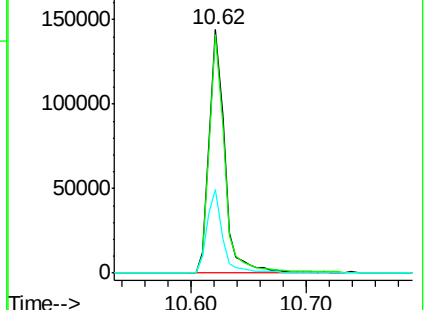
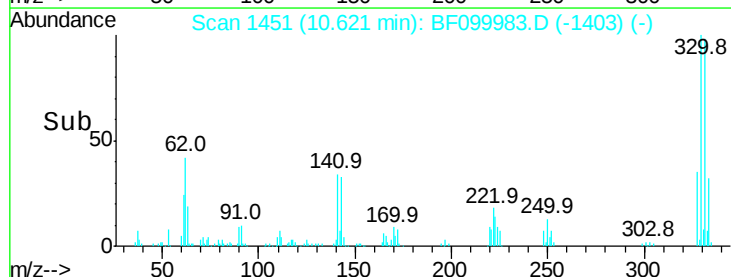
330 100

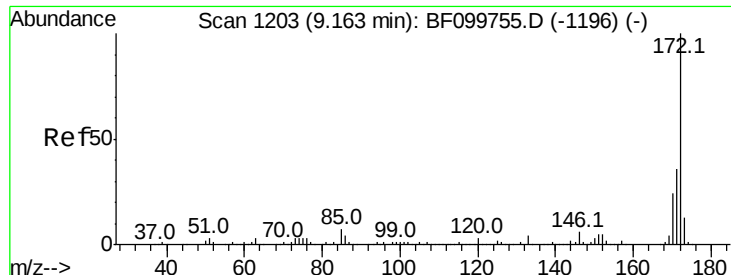
332 97.1 77.0 115.6

141 34.4 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



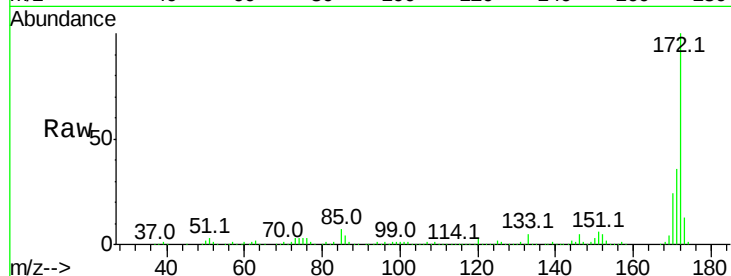


#44
 2-Fluorobiphenyl
 Concen: 92.619 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

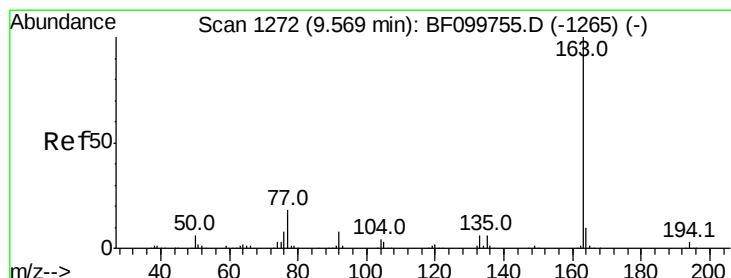
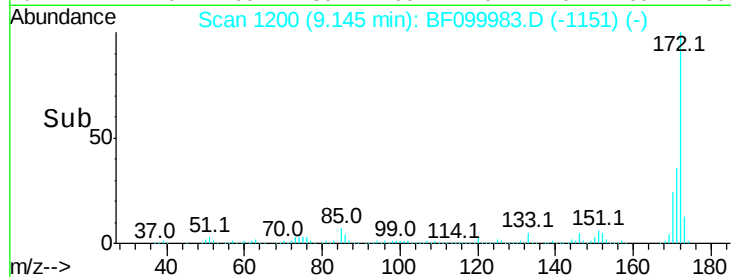
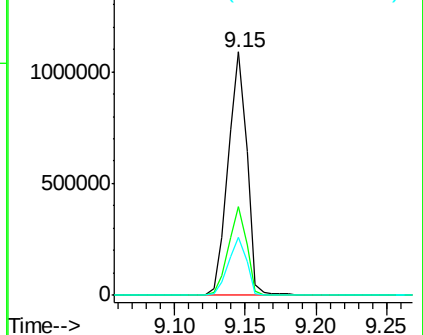
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1009928

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4



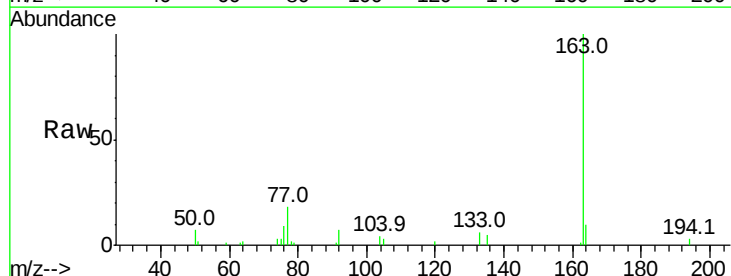
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



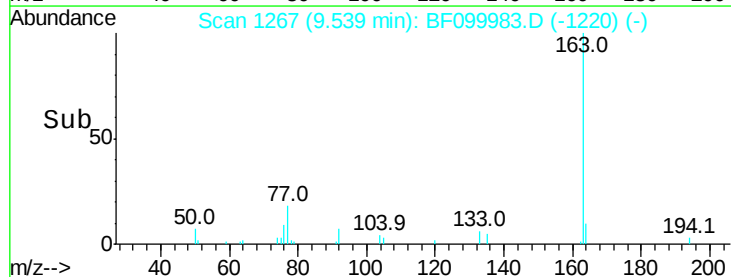
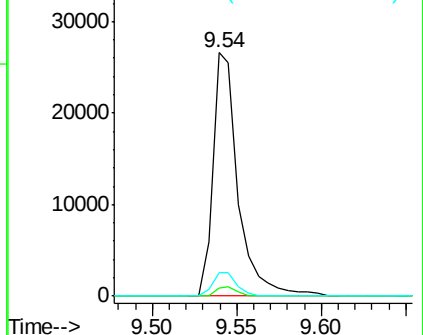
#49
 Dimethylphthalate
 Concen: 2.083 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

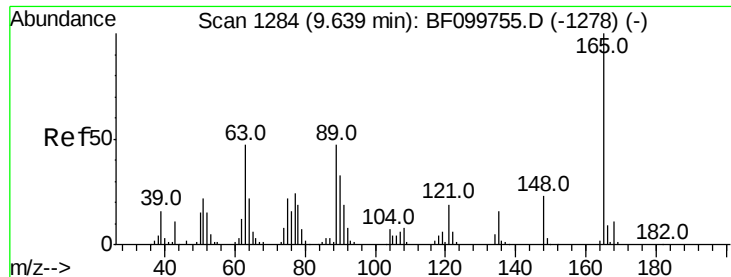
Tgt Ion:163 Resp: 27747

Ion	Ratio	Lower	Upper
163	100		
194	3.2	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

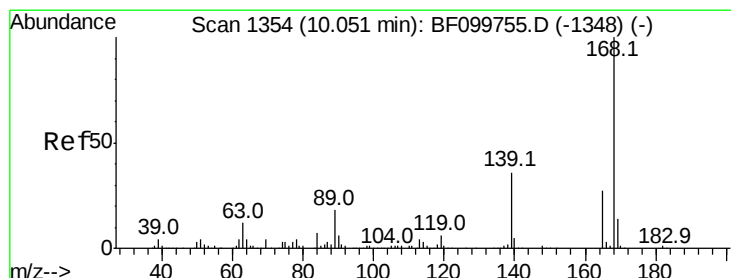
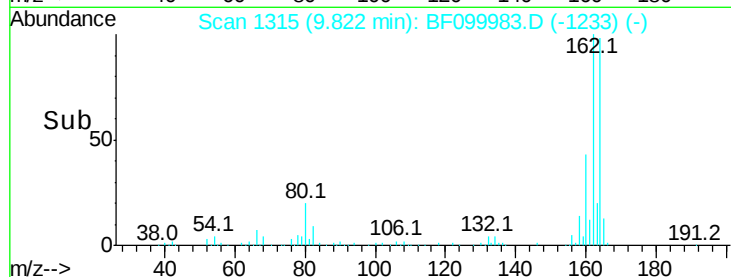
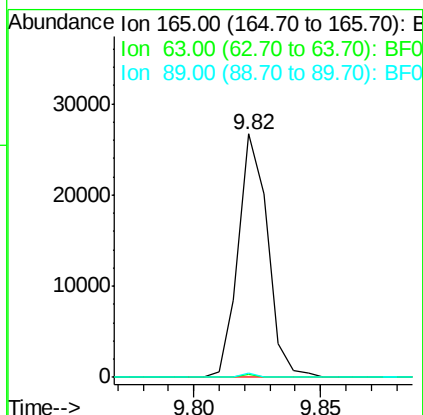
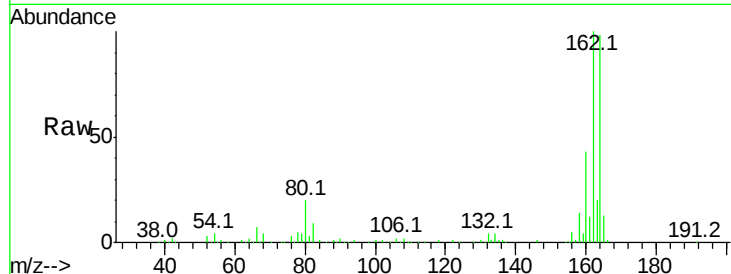




#50
 2,6-Dinitrotoluene
 Concen: 7.663 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.18 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

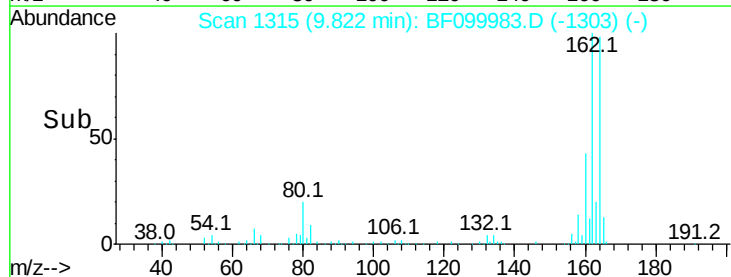
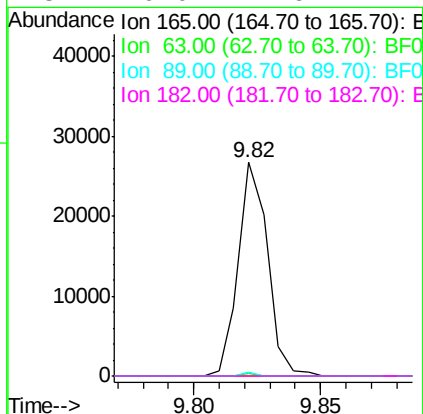
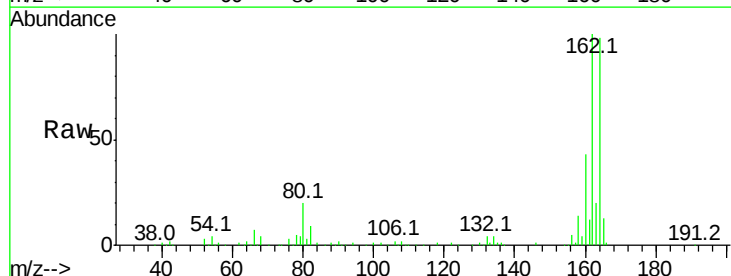
Instrument :
 BNA_F
 ClientSampleId :

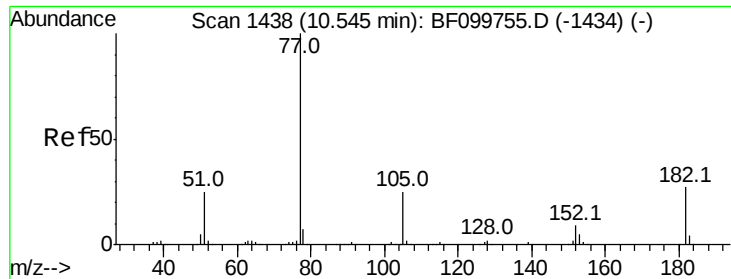
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.363 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.23 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 2.921 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 31862

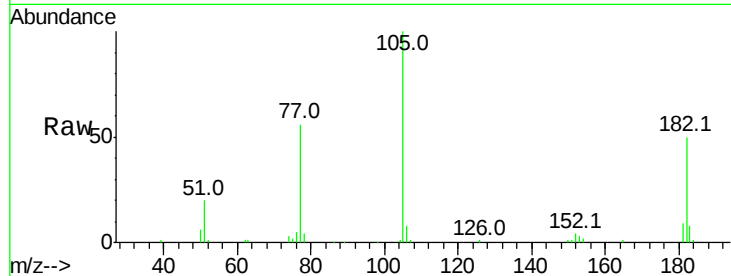
Ion Ratio Lower Upper

77 100

182 90.2 1.7 41.7#

105 178.6 3.0 43.0#

51 35.5 9.9 49.9

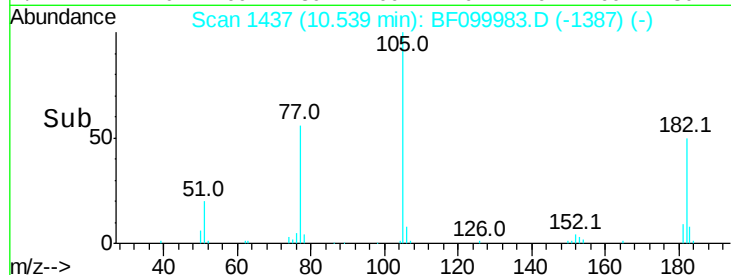


Abundance Ion 77.00 (76.70 to 77.70): BF0

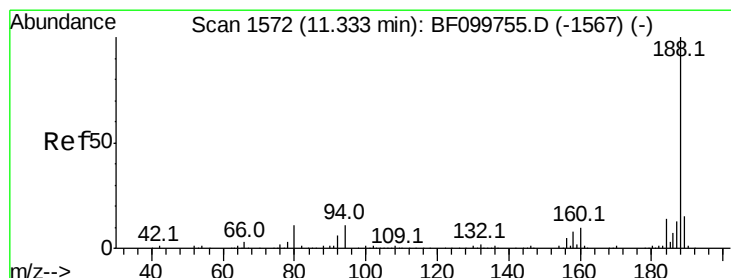
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF099983.D

Acq: 31 Oct 2017 2:28

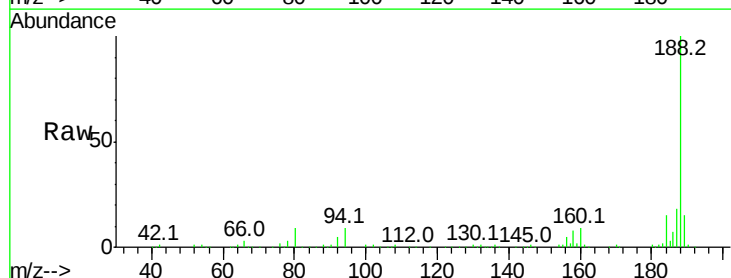
Tgt Ion: 188 Resp: 296115

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

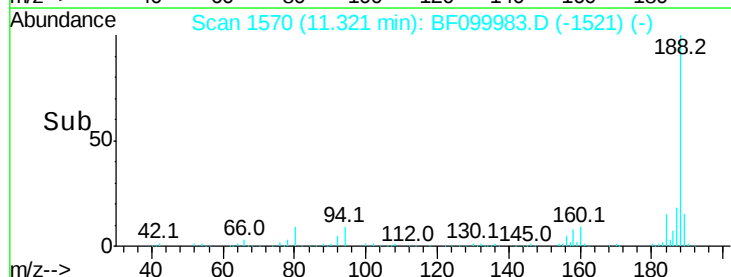
80 9.2 9.2 13.8#



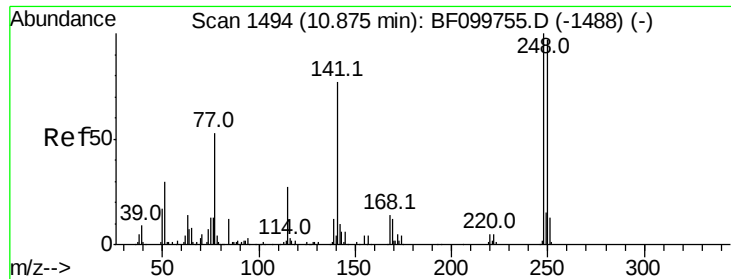
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



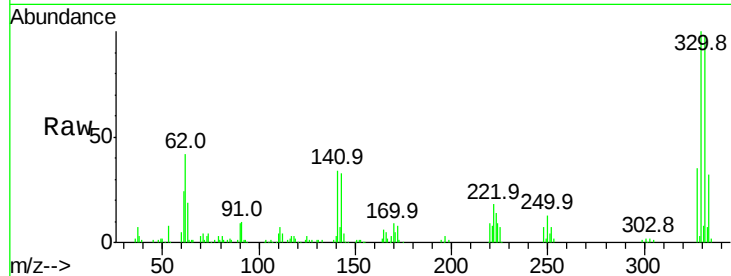
Time-->



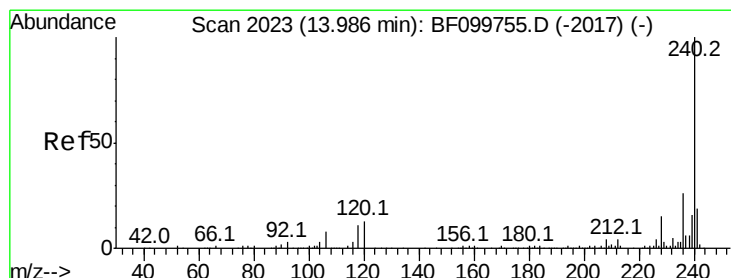
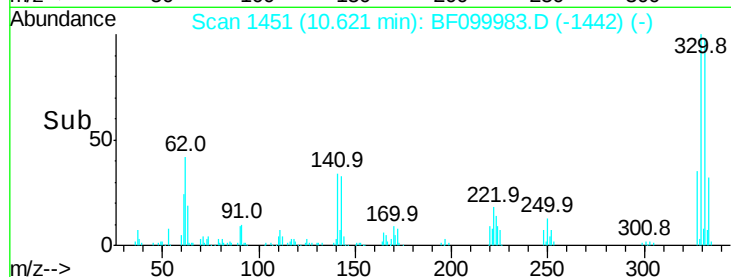
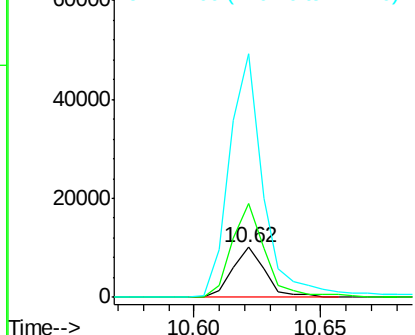
#66
 4-Bromophenyl-phenylether
 Concen: 2.888 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9003
 Ion Ratio Lower Upper
 248 100
 250 186.8 76.9 115.3#
 141 485.8 74.4 111.6#

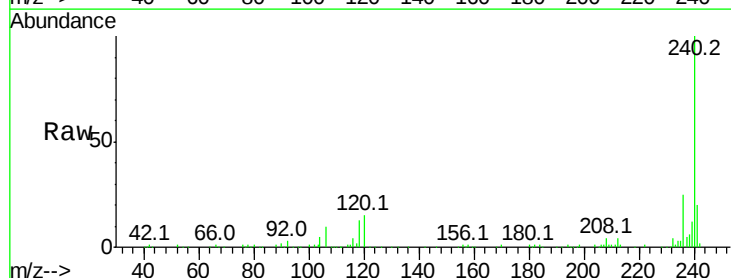


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

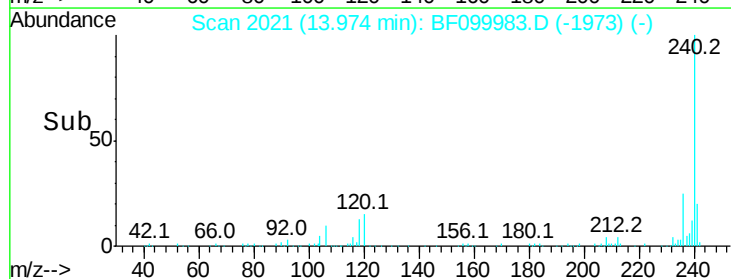
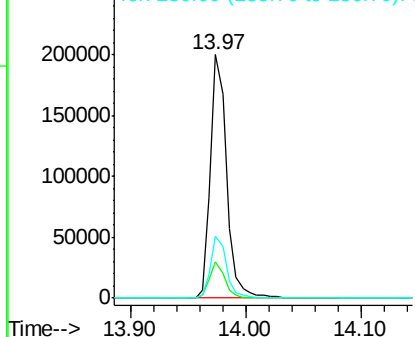


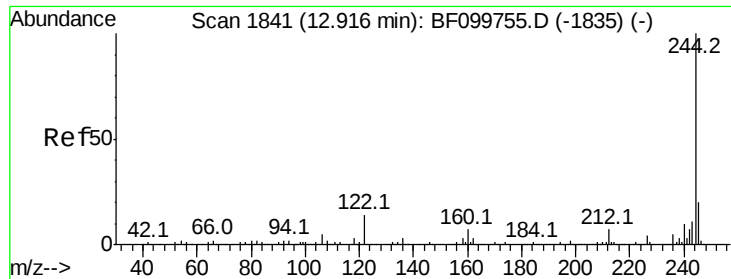
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Tgt Ion:240 Resp: 195278
 Ion Ratio Lower Upper
 240 100
 120 15.1 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

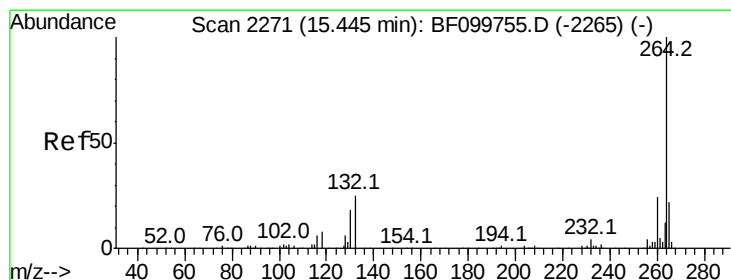
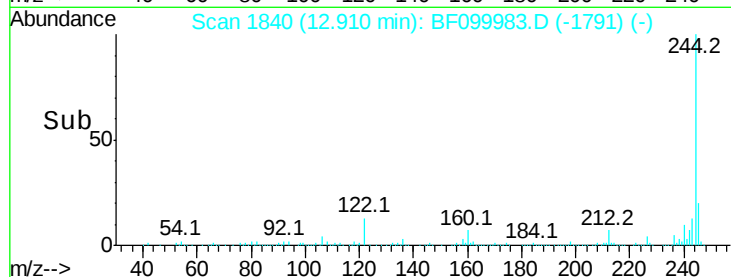
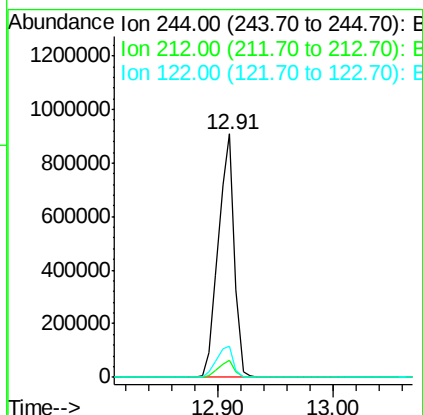
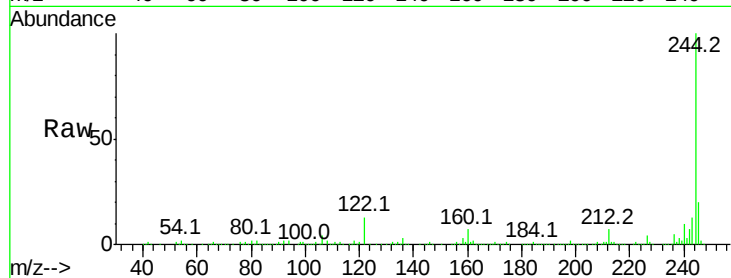




#78
 Terphenyl-d14
 Concen: 97.648 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 872551
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF099983.D
 Acq: 31 Oct 2017 2:28

Tgt Ion:264 Resp: 171354
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.2 28.8
 265 20.7 17.5 26.3

