

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\
 Data File : BF100100.D
 Acq On : 2 Nov 2017 22:11
 Operator : SJ/JU
 Sample : I6079-14 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 02:32:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

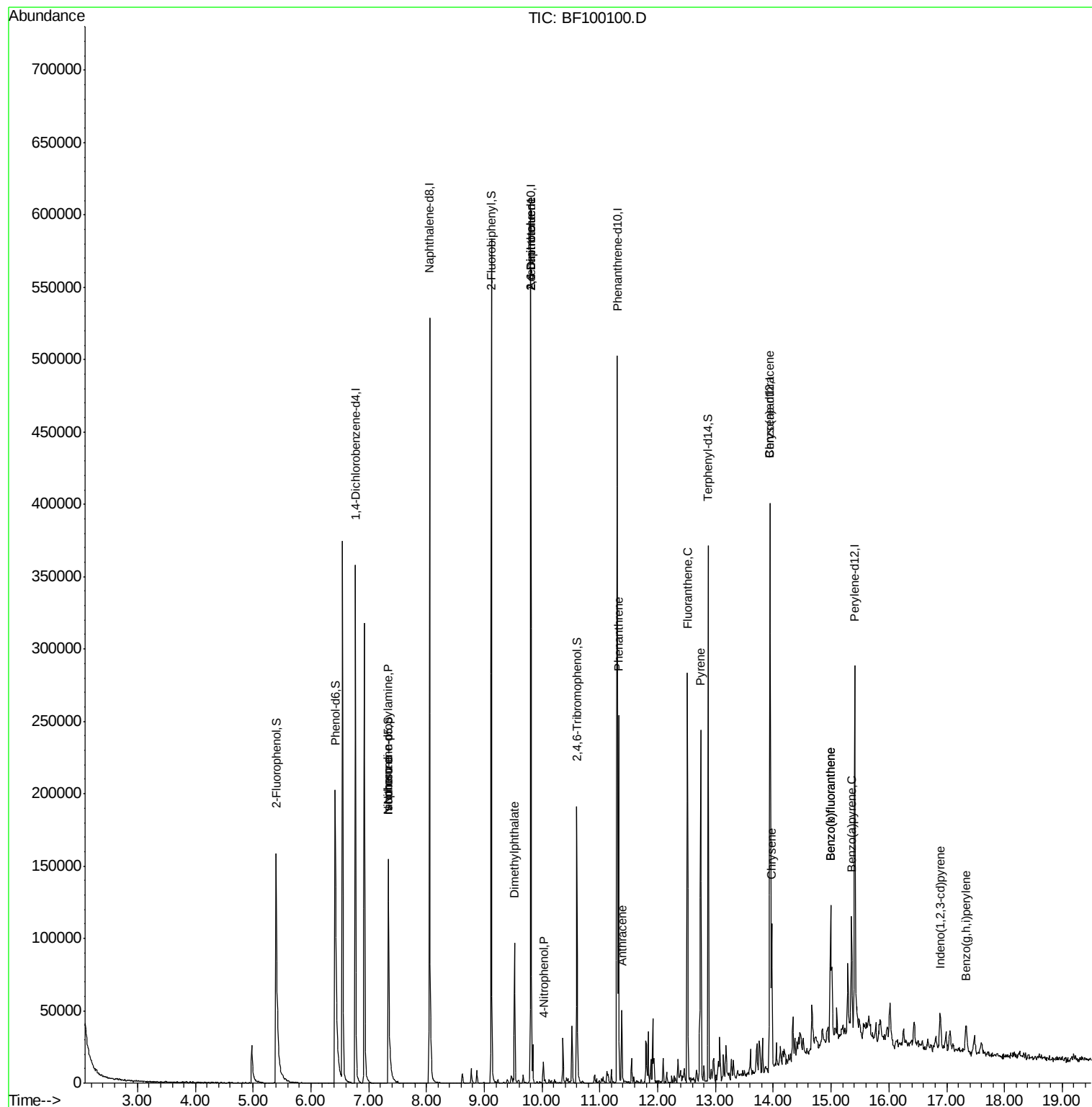
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	65074	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	258520	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	113629	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	179249	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	113773	20.00	ng	-0.03
86) Perylene-d12	15.41	264	116991	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	111630	26.93	ng	0.00
7) Phenol-d6	6.42	99	147486	30.01	ng	0.00
23) Nitrobenzene-d5	7.34	82	79014	19.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	27236	26.30	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	173082	23.50	ng	-0.01
78) Terphenyl-d14	12.87	244	102442	19.68	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	9315	3.234	ng	# 76
25) Isophorone	7.34	82	79014	10.844	ng	# 64
49) Dimethylphthalate	9.52	163	44626	4.959	ng	98
50) 2,6-Dinitrotoluene	9.80	165	14633	7.735	ng	# 24
55) 4-Nitrophenol	10.02	139	2795	2.400	ng	# 9
56) 2,4-Dinitrotoluene	9.80	165	14633	6.423	ng	# 21
70) Phenanthrene	11.32	178	100654	9.950	ng	98
71) Anthracene	11.38	178	24948	2.430	ng	95
74) Fluoranthene	12.52	202	112052	10.659	ng	97
77) Pyrene	12.74	202	95041	10.986	ng	98
80) Benzo(a)anthracene	13.94	228	45529	6.313	ng	97
82) Chrysene	13.97	228	36471	5.379	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	18725	3.008	ng	97
87) Benzo(b)fluoranthene	14.99	252	63643	8.615	ng	# 95
88) Benzo(k)fluoranthene	14.99	252	63643	9.136	ng	# 96
89) Benzo(a)pyrene	15.35	252	33763	5.088	ng	# 95
91) Benzo(a,h,i)perylene	17.33	276	15117	2.620	ng	# 91

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

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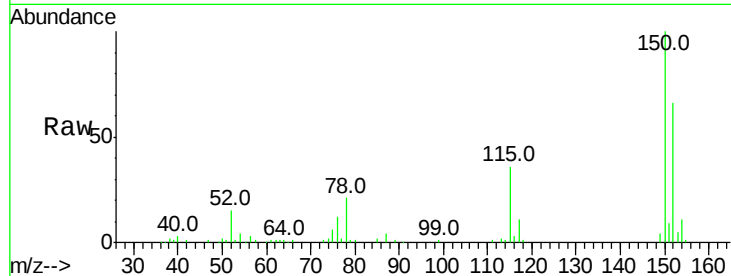


#1

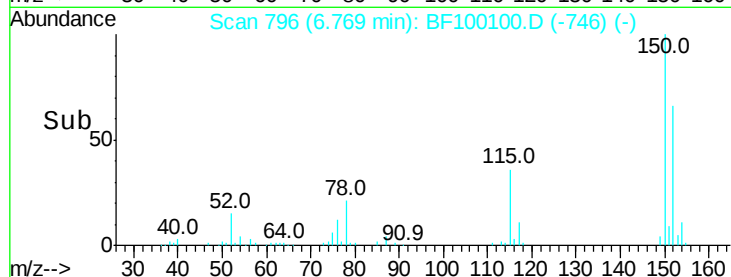
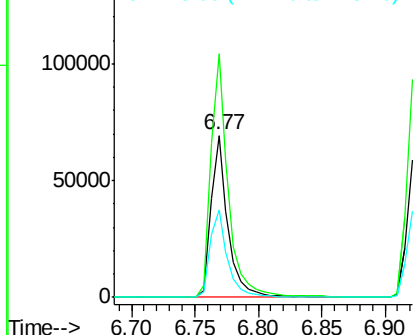
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65074
Ion Ratio Lower Upper
152 100
150 150.4 124.6 186.8
115 54.1 50.1 75.1



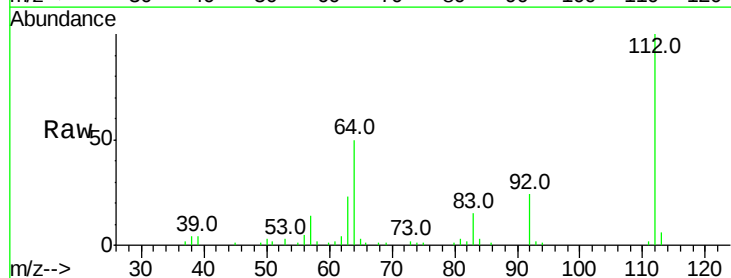
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



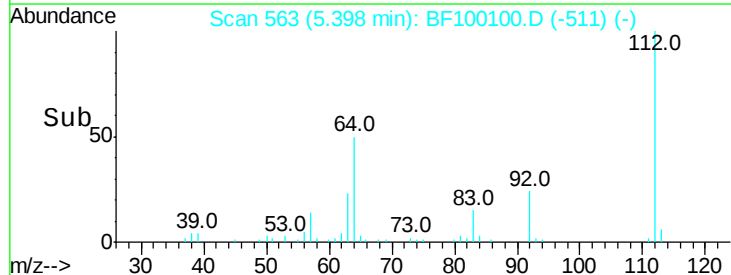
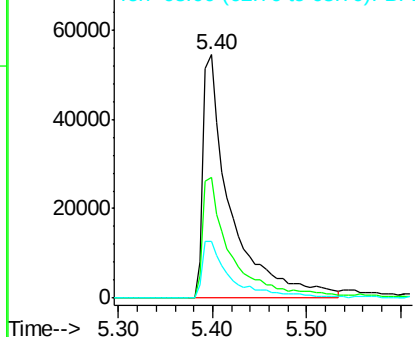
#5

2-Fluorophenol
Concen: 26.932 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:112 Resp: 111630
Ion Ratio Lower Upper
112 100
64 49.8 47.9 71.9
63 23.3 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 30.009 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Instrument :

BNA_F

ClientSampleId :

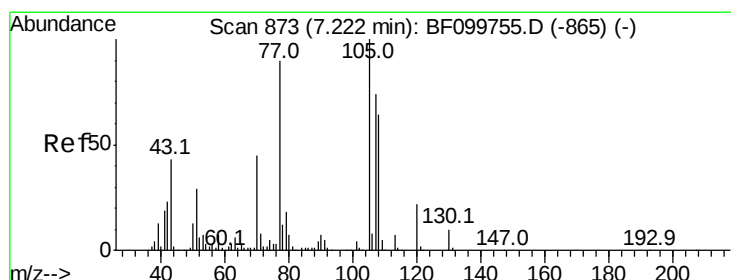
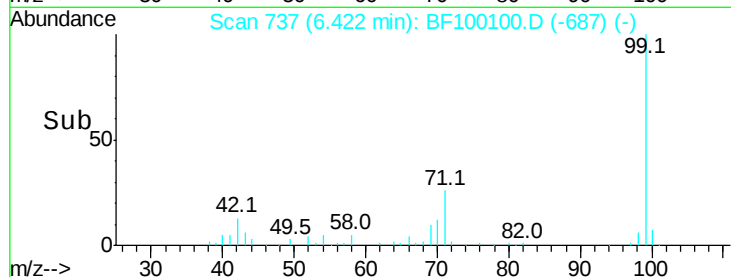
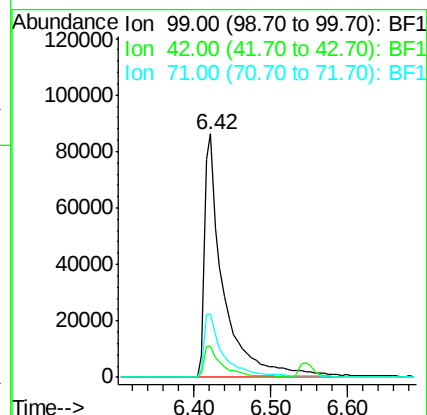
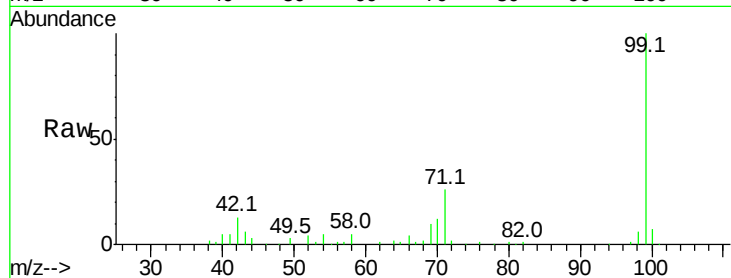
Tot Ion: 99 Resp: 147486

Ion Ratio Lower Upper

99 100

42 12.7 14.5 21.7#

71 26.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.234 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Tgt Ion: 70 Resp: 9315

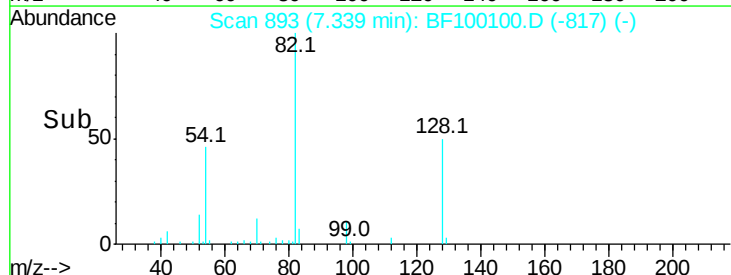
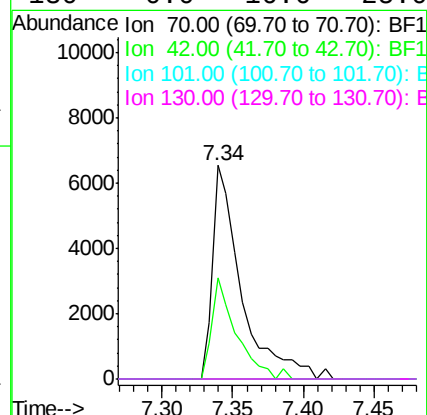
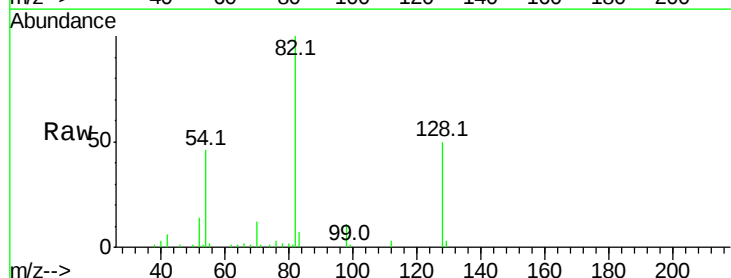
Ion Ratio Lower Upper

70 100

42 47.3 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

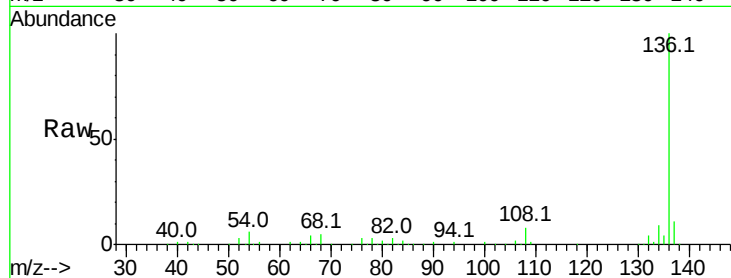




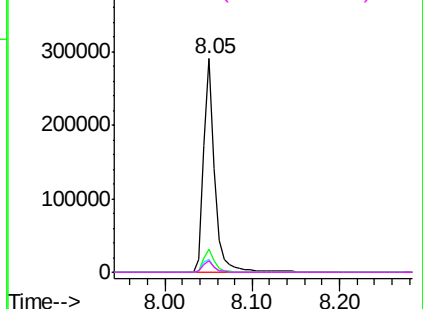
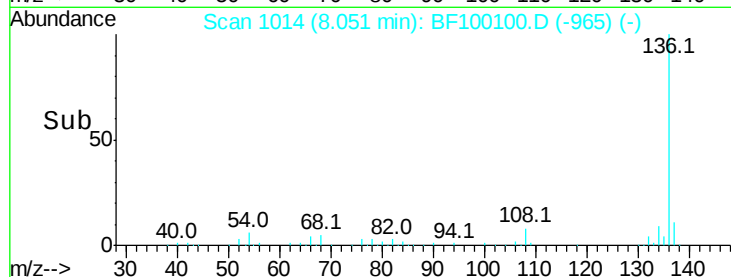
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	258520
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	5.9	6.6	9.8#
68	5.4	5.0	7.4

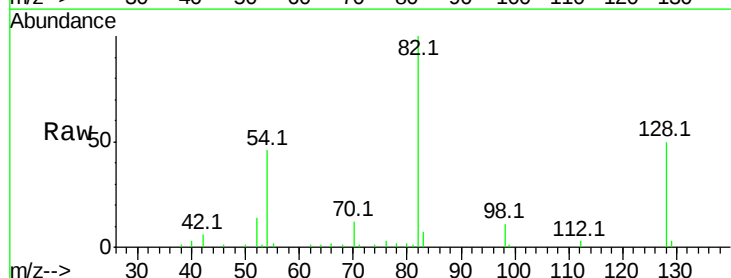


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

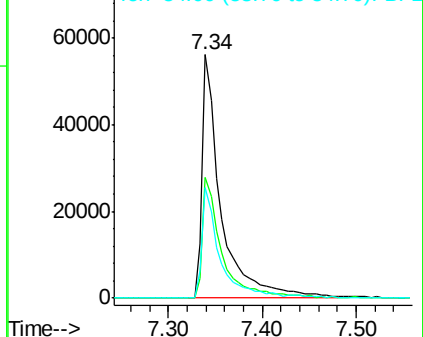
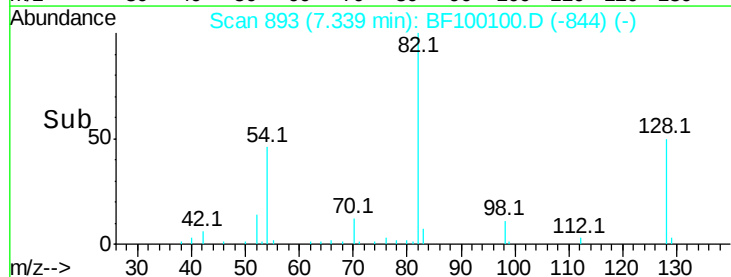


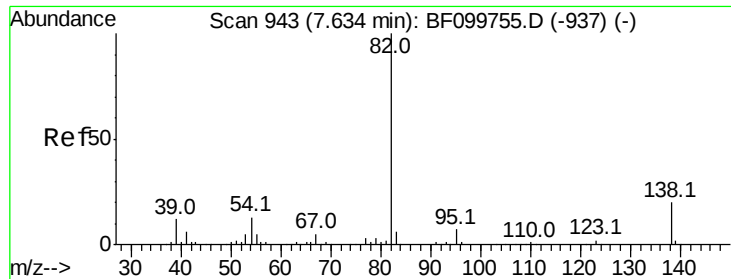
#23
Nitrobenzene-d5
Concen: 19.677 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:	82	Resp:	79014
Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	45.5	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

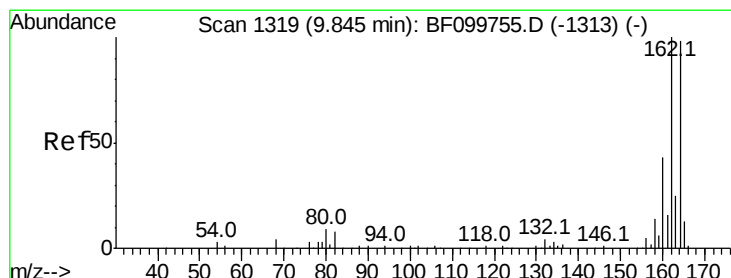
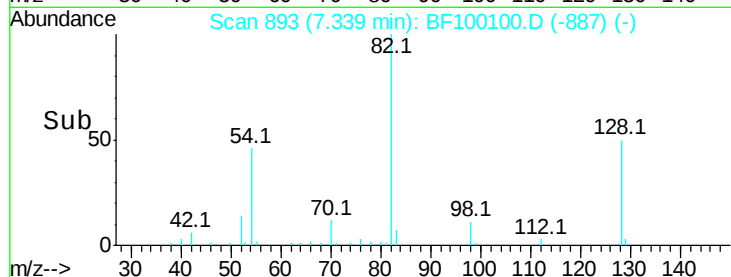
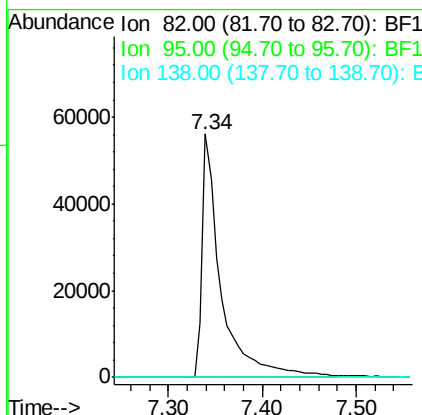
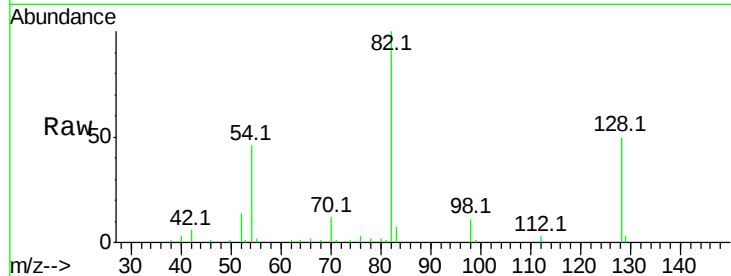




#25
Isophorone
Concen: 10.844 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.26 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

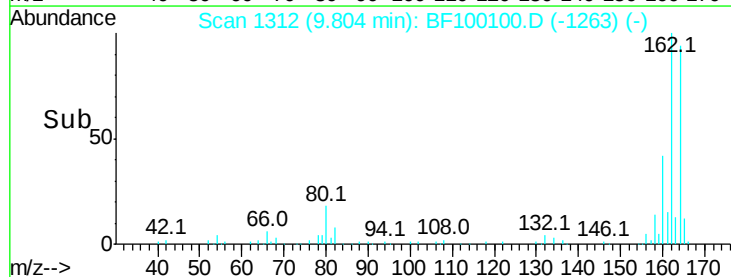
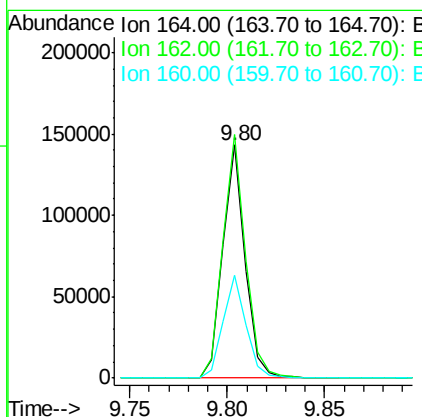
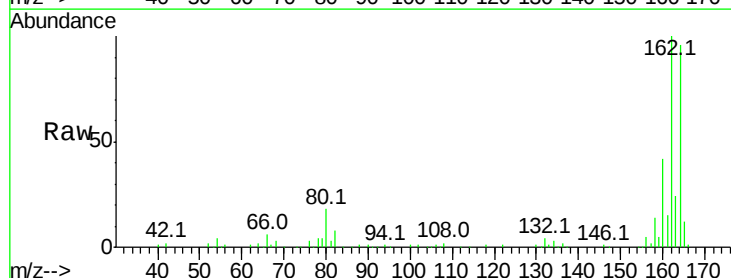
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 79014
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: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:164 Resp: 113629
Ion Ratio Lower Upper
164 100
162 104.5 86.1 129.1
160 43.9 38.3 57.5

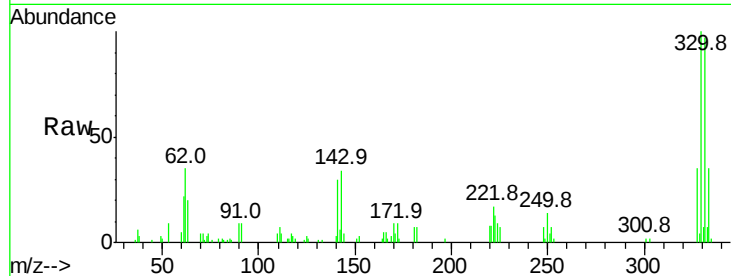




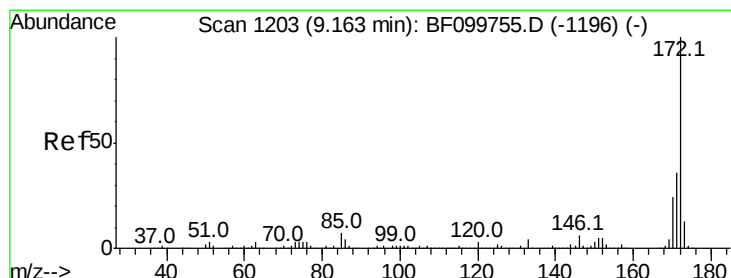
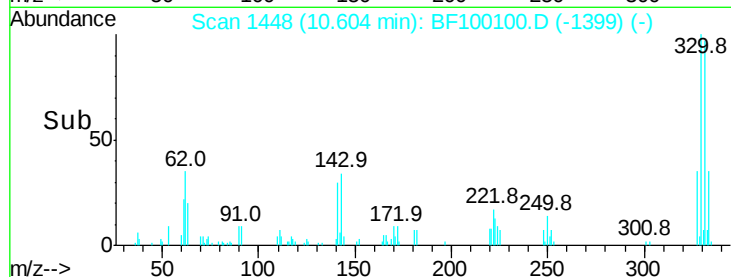
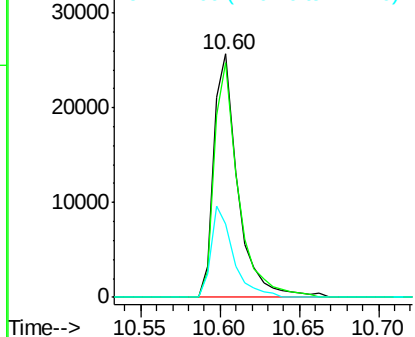
#41
 2,4,6-Tribromophenol
 Concen: 26.302 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100100.D
 Acq: 2 Nov 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 27236
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 34.9 29.9 44.9

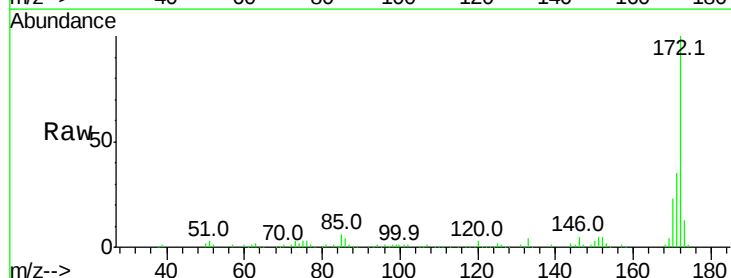


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

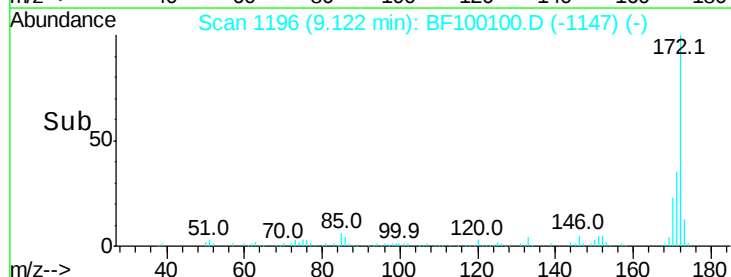
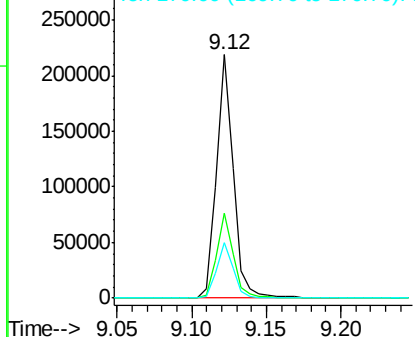


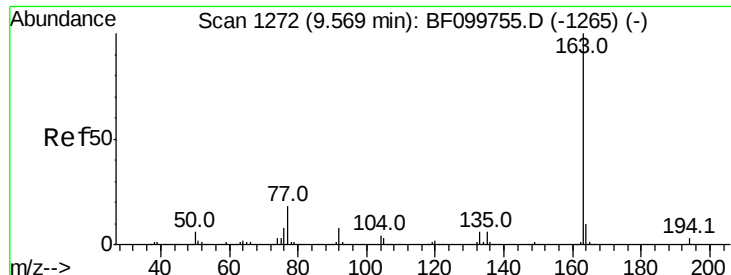
#44
 2-Fluorobiphenyl
 Concen: 23.501 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100100.D
 Acq: 2 Nov 2017 22:11

Tgt Ion:172 Resp: 173082
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 22.6 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

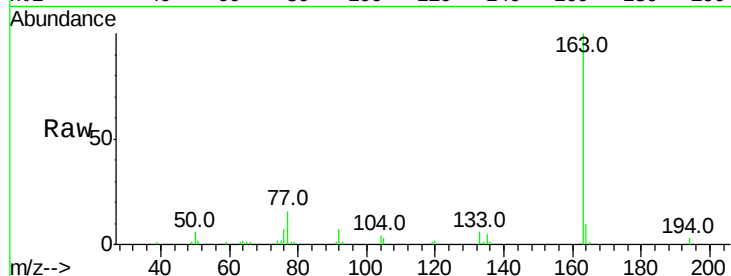




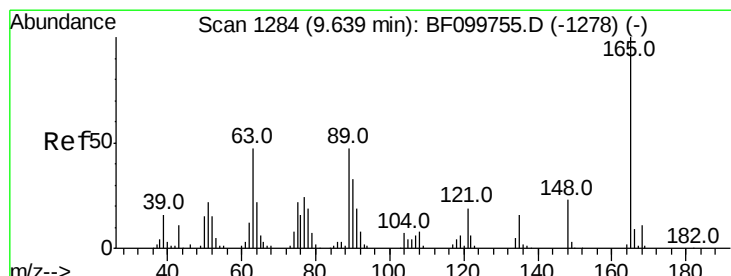
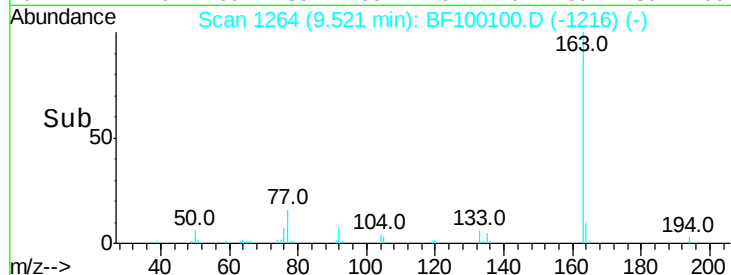
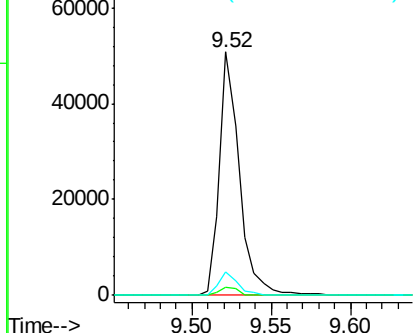
#49
Dimethylphthalate
Concen: 4.959 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 44626
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.5 8.2 12.2

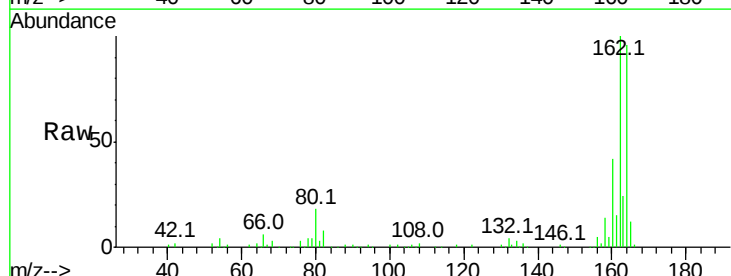


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

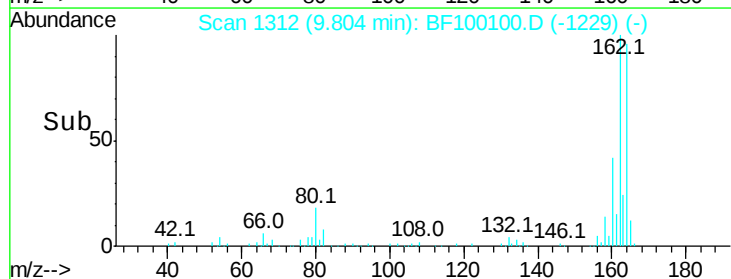
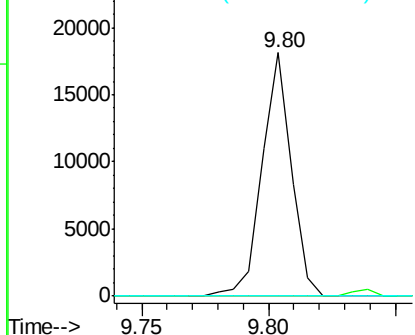


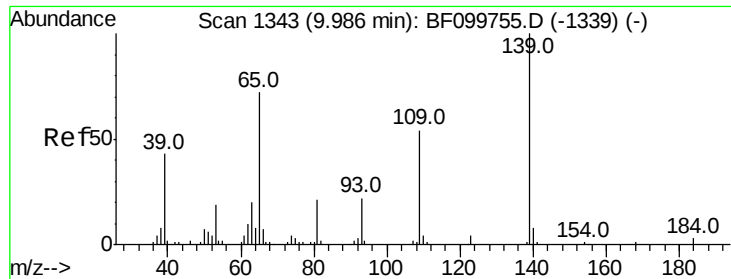
#50
2,6-Dinitrotoluene
Concen: 7.735 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.19 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:165 Resp: 14633
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

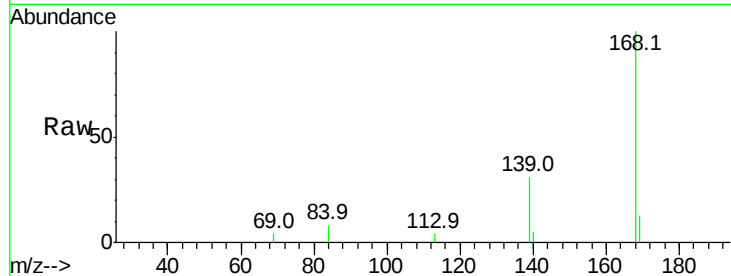




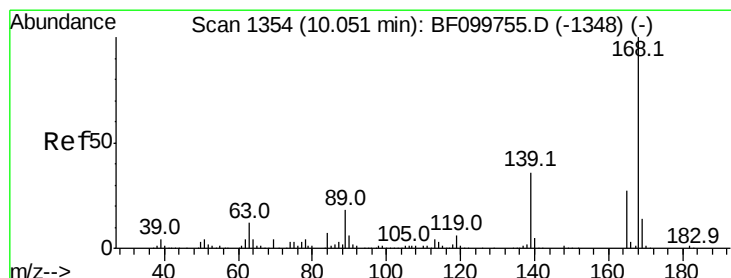
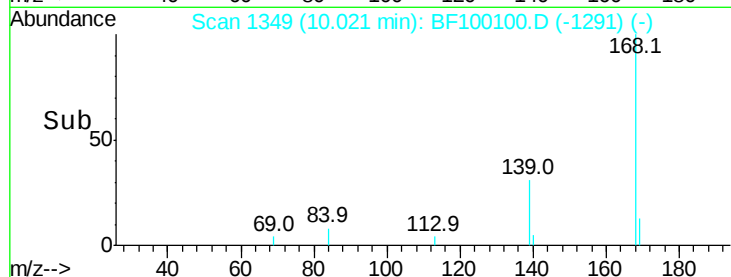
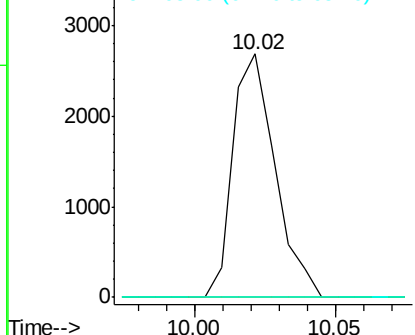
#55
4-Nitrophenol
Concen: 2.400 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.04 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 2795
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

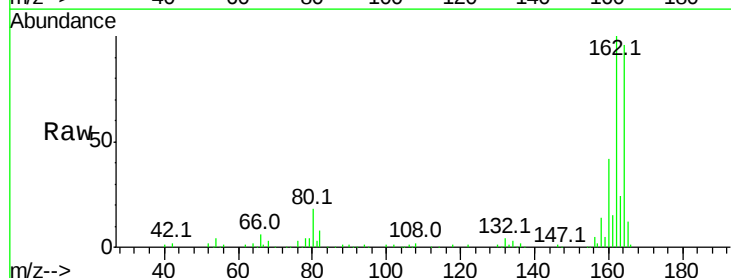


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

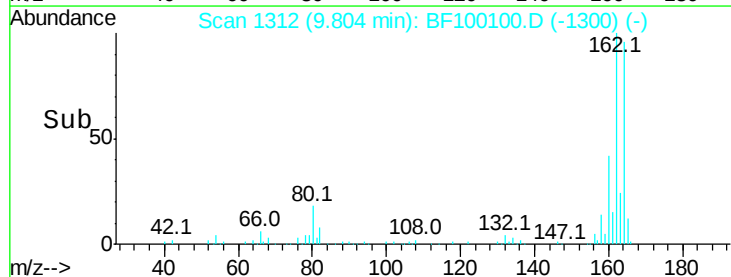
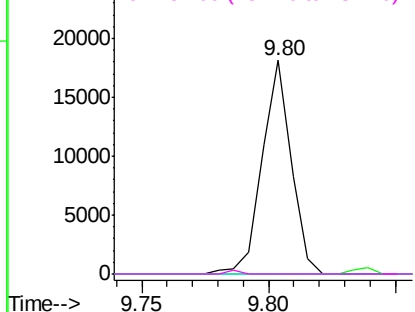


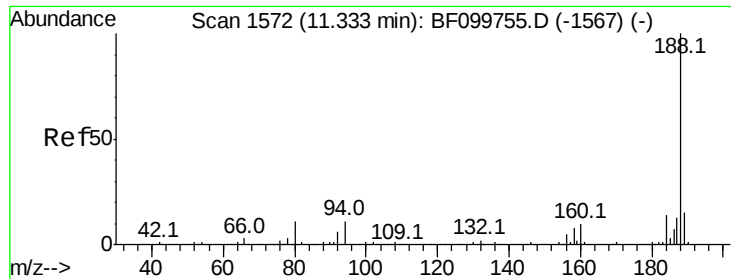
#56
2,4-Dinitrotoluene
Concen: 6.423 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.23 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:165 Resp: 14633
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 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): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

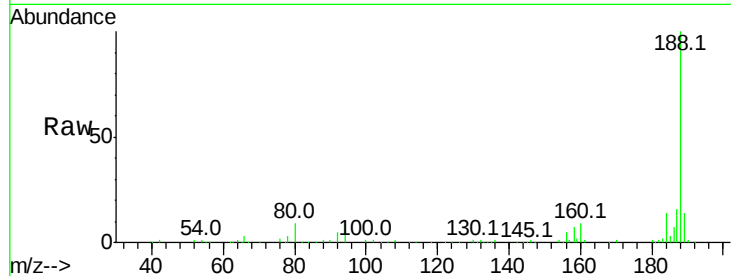




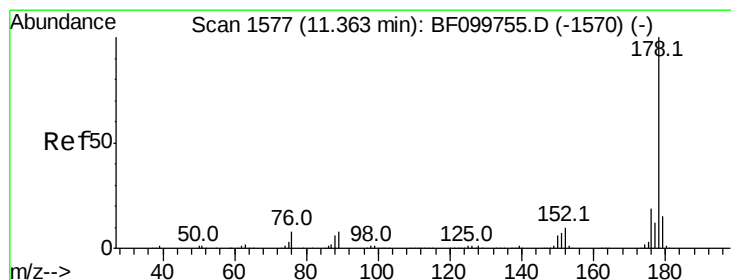
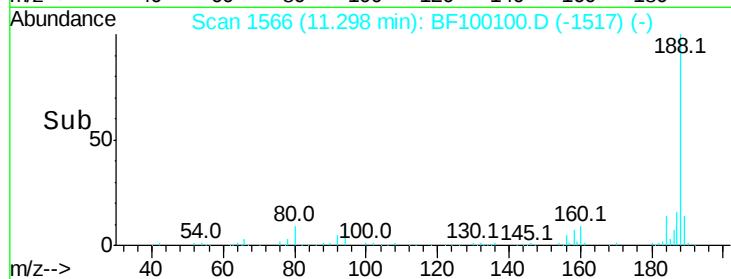
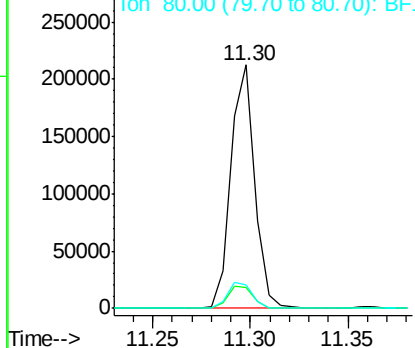
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 179249
Ion Ratio Lower Upper
188 100
94 8.5 8.5 12.7
80 9.4 9.2 13.8

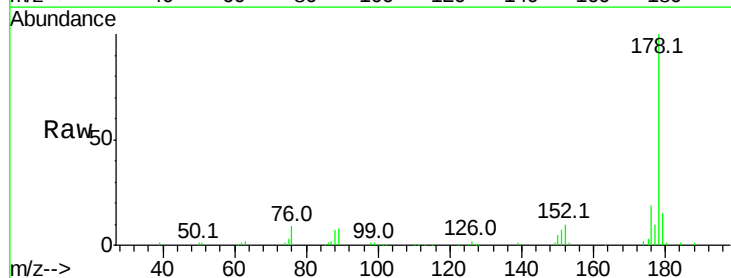


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

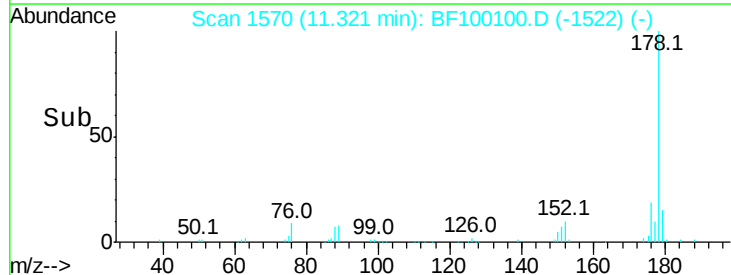
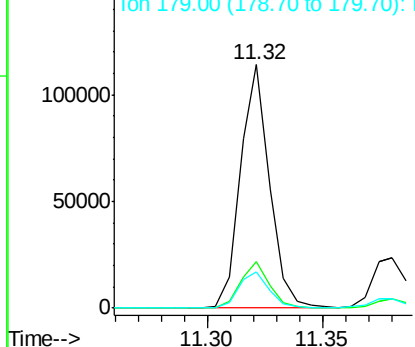


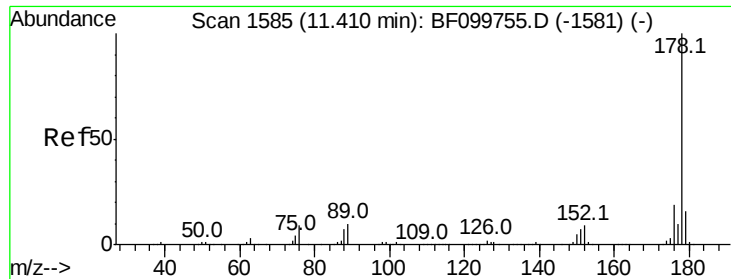
#70
Phenanthrene
Concen: 9.950 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:178 Resp: 100654
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.430 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Instrument :

BNA_F

ClientSampleId :

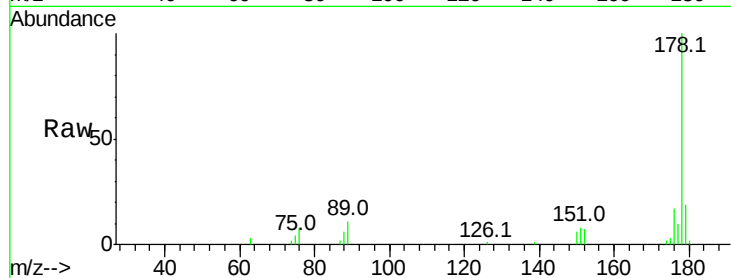
Tot Ion:178 Resp: 24948

Ion Ratio Lower Upper

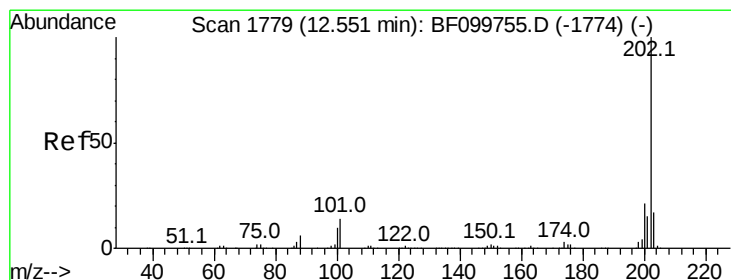
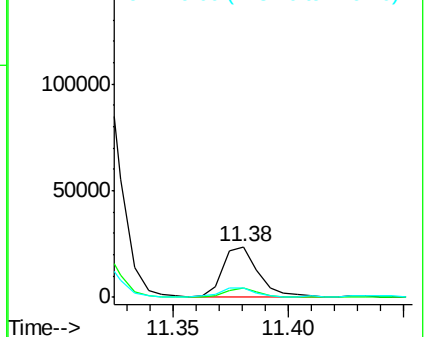
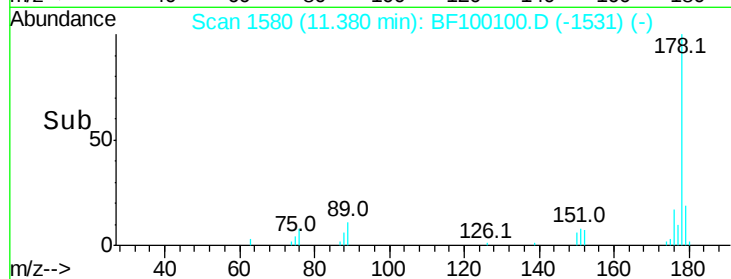
178 100

176 17.4 15.4 23.2

179 18.7 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 10.659 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

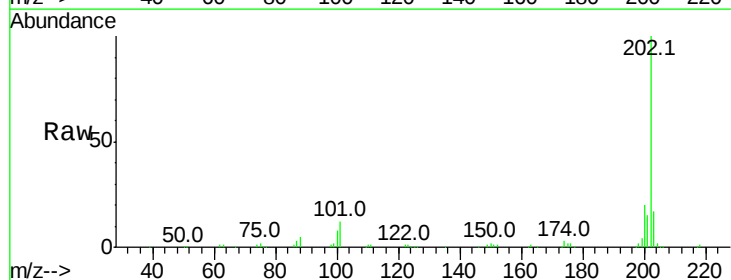
Tgt Ion:202 Resp: 112052

Ion Ratio Lower Upper

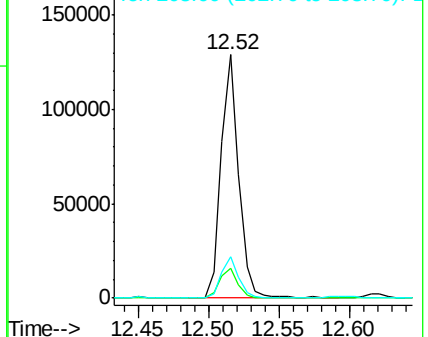
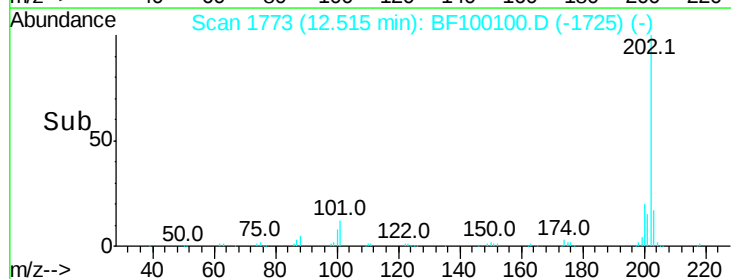
202 100

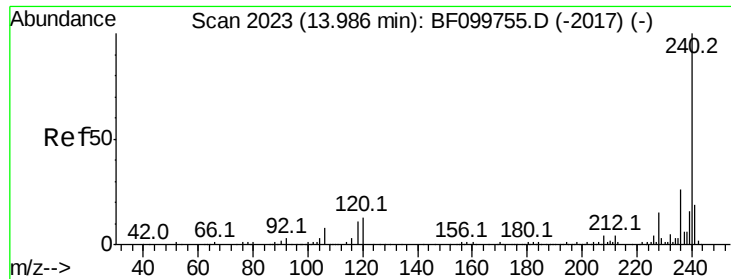
101 12.5 0.0 34.1

203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.03 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Instrument :

BNA_F

ClientSampleId :

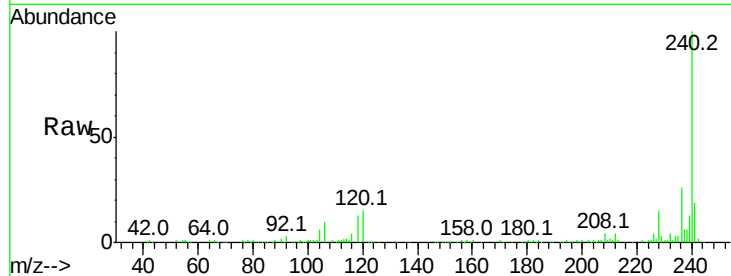
Tot Ion:240 Resp: 113773

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

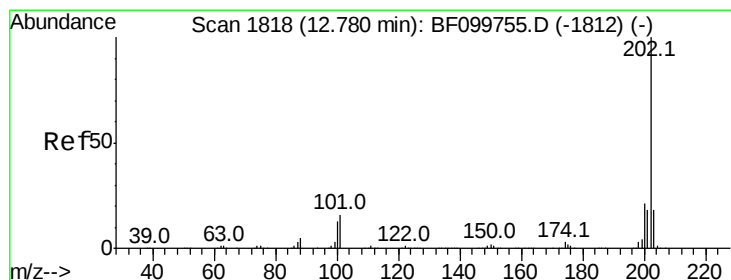
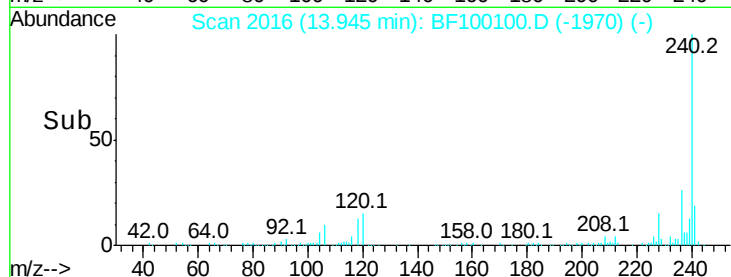
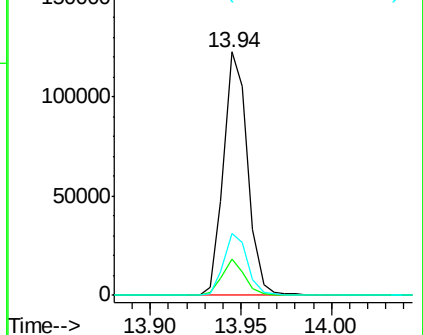
236 25.6 20.7 31.1



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



#77

Pyrene

Concen: 10.986 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

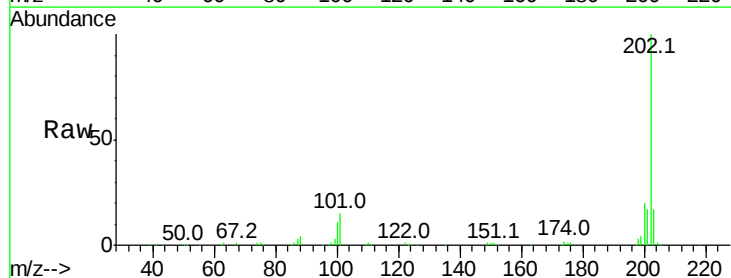
Tgt Ion:202 Resp: 95041

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

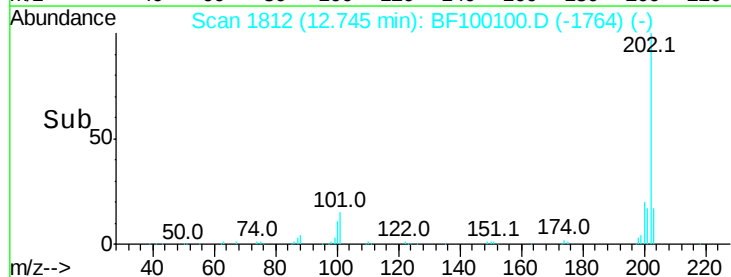
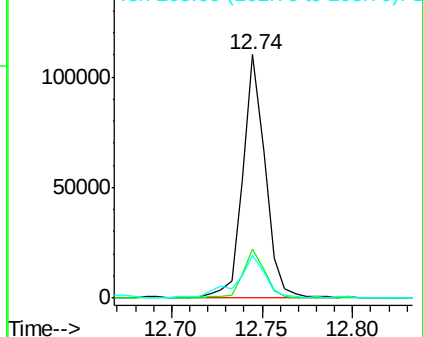
203 17.5 14.3 21.5

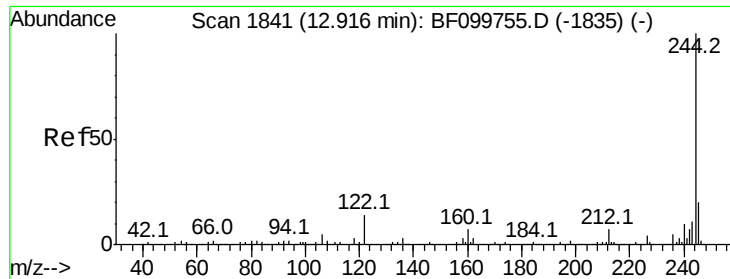


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.677 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Instrument :

BNA_F

ClientSampleId :

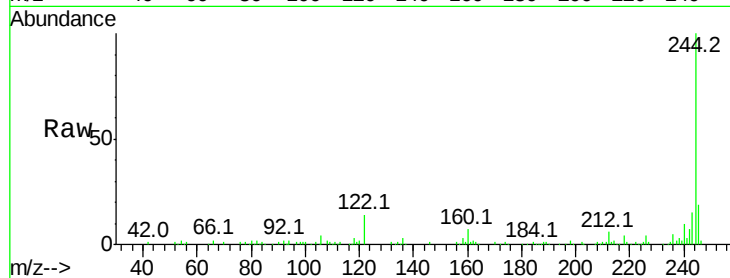
Tot Ion:244 Resp: 102442

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

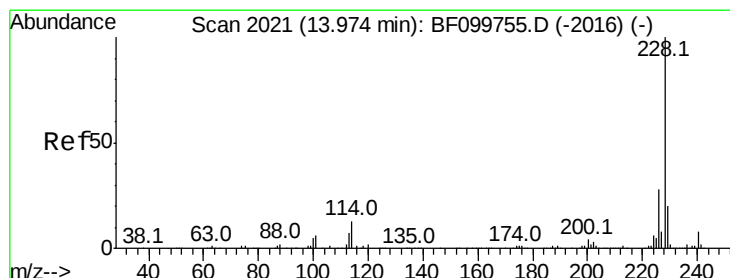
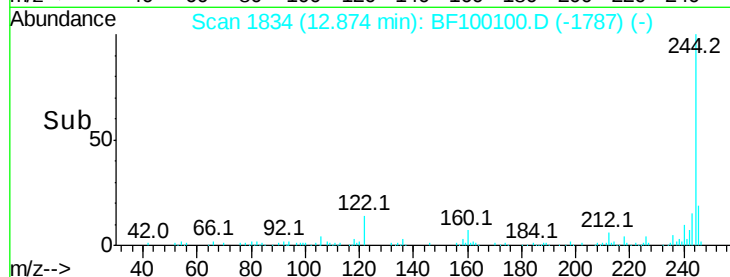
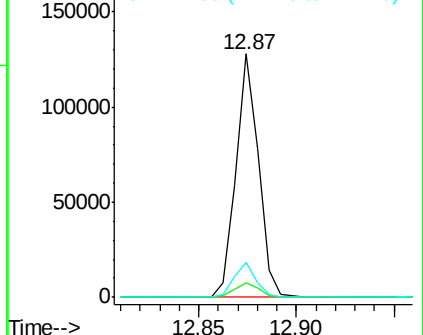
122 14.4 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 6.313 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

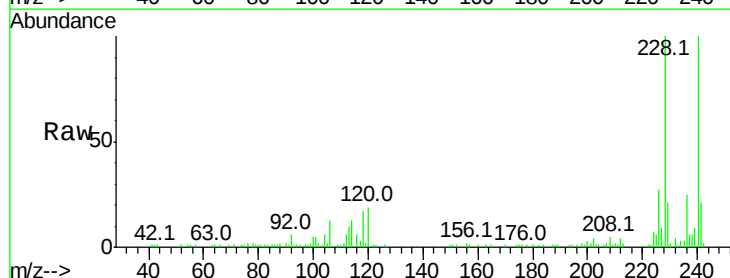
Tgt Ion:228 Resp: 45529

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

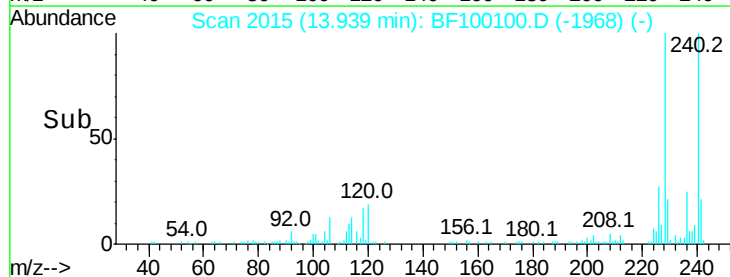
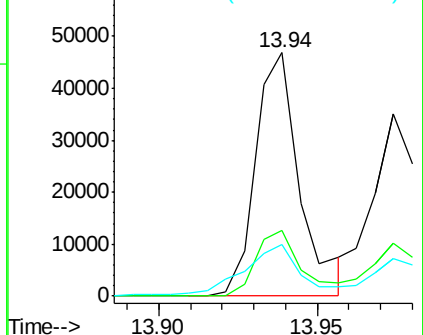
229 21.3 15.8 23.6

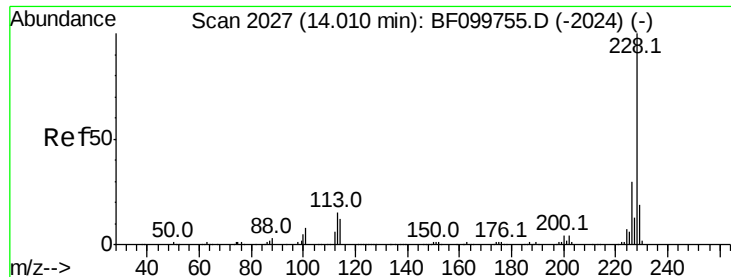


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.379 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.03 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Instrument :

BNA_F

ClientSampleId :

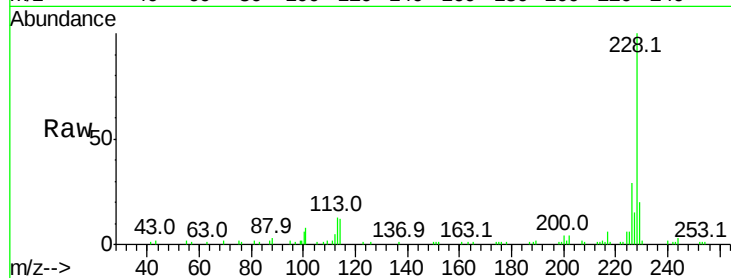
Tot Ion:228 Resp: 36471

Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.6

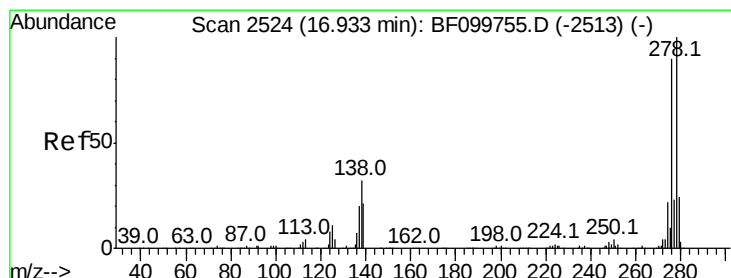
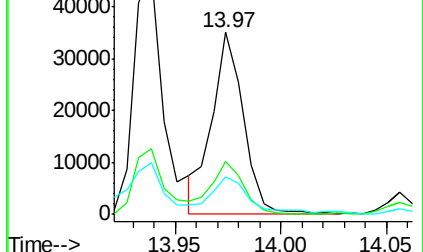
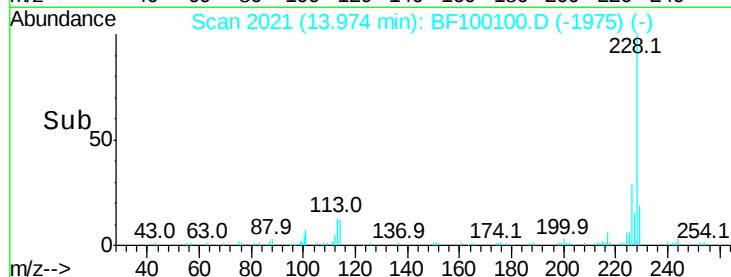
229 20.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.008 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.07 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

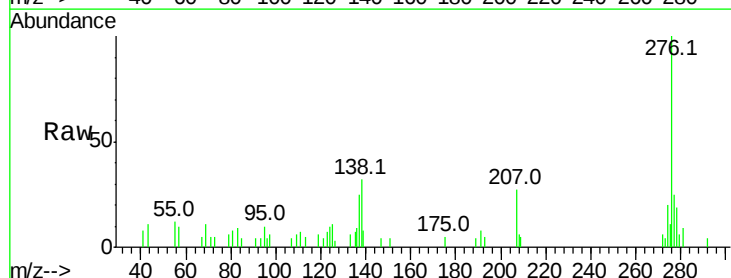
Tgt Ion:276 Resp: 18725

Ion Ratio Lower Upper

276 100

138 32.5 25.0 37.6

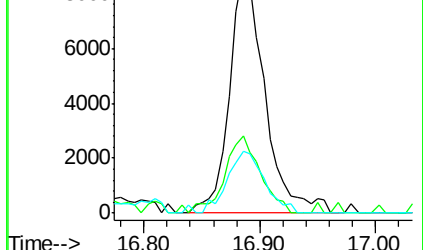
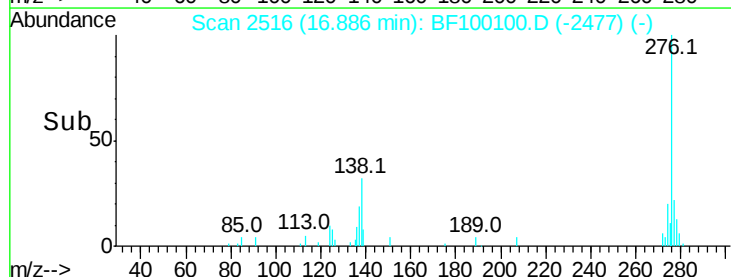
277 26.9 20.1 30.1

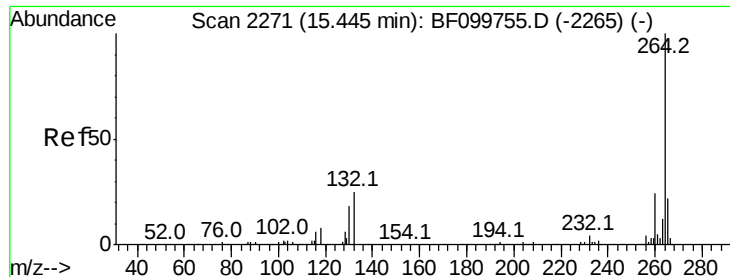


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

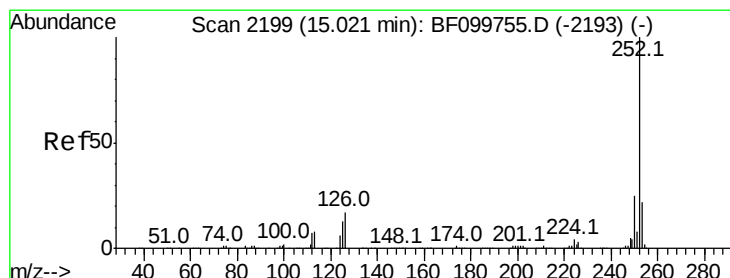
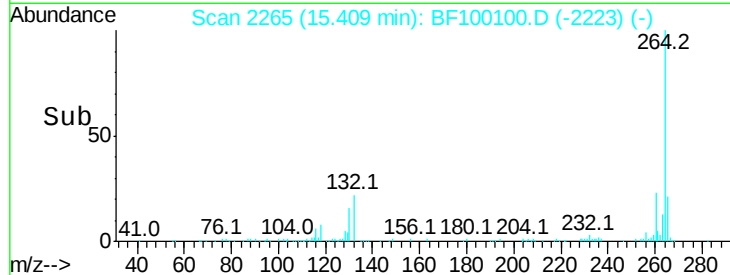
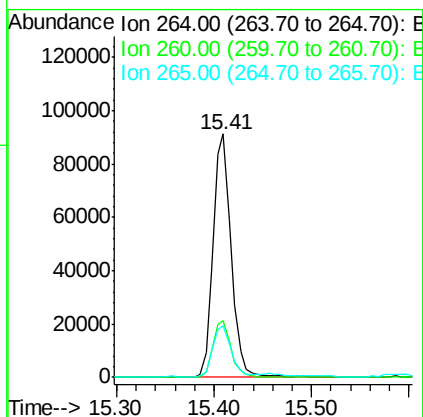
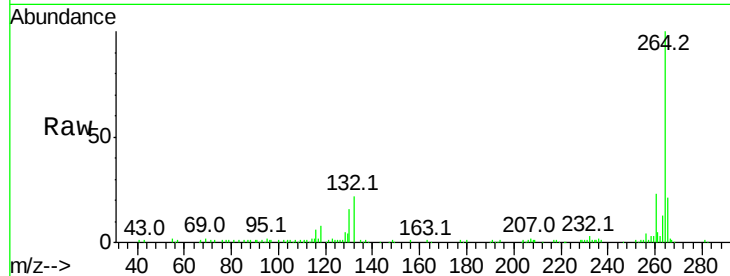




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.05 min
 Lab File: BF100100.D
 Acq: 2 Nov 2017 22:11

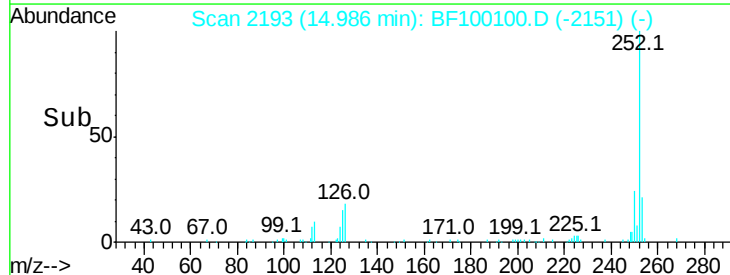
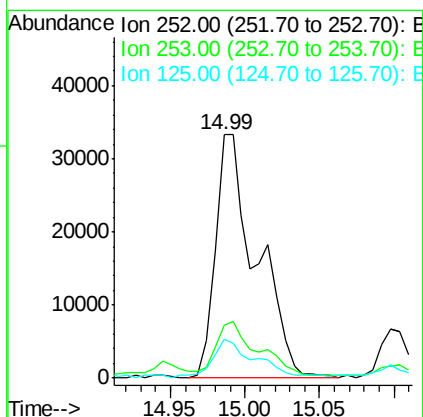
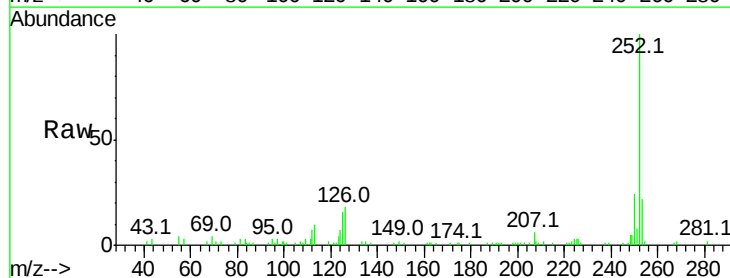
Instrument :
 BNA_F
 ClientSampleId :

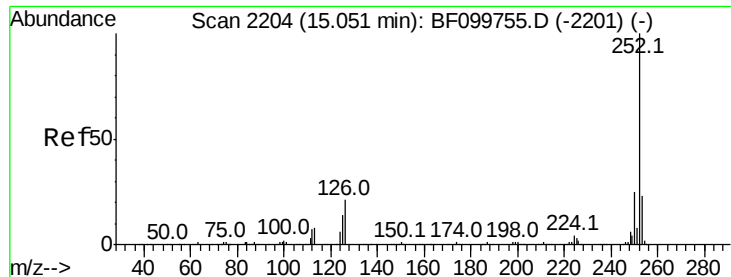
Tot Ion:264 Resp: 116991
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.2 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 8.615 ng
 RT: 14.99 min Scan# 2193
 Delta R.T. -0.05 min
 Lab File: BF100100.D
 Acq: 2 Nov 2017 22:11

Tgt Ion:252 Resp: 63643
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.0 25.6
 125 16.0 9.0 13.6#

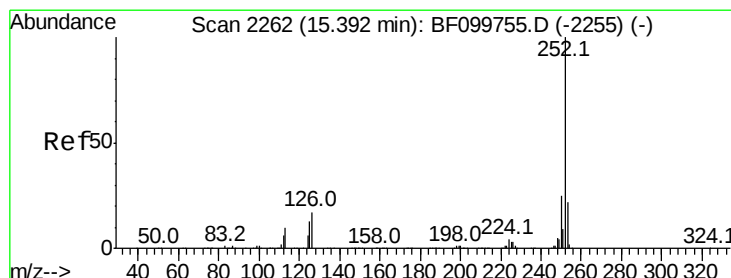
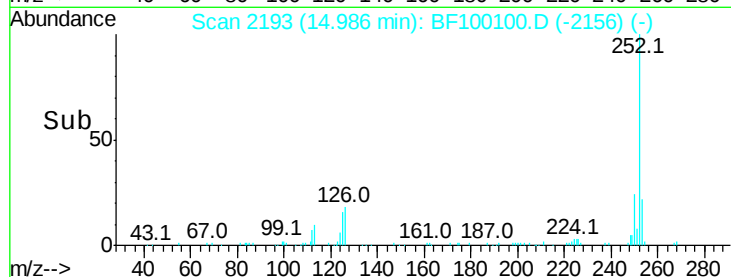
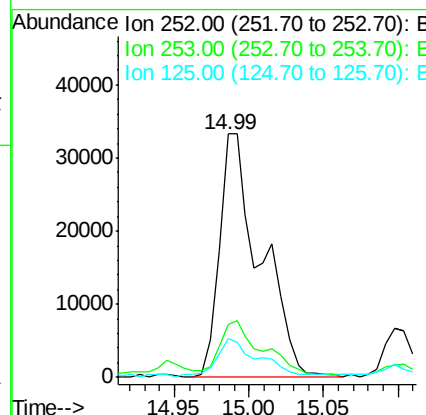
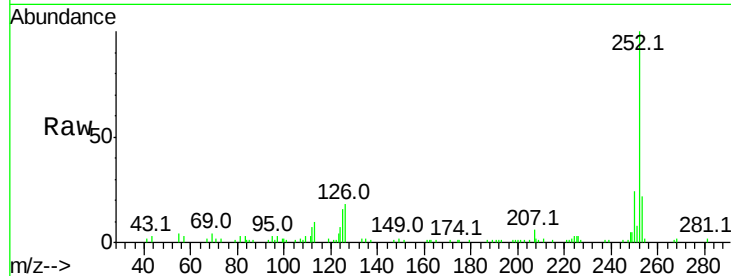




#88
Benzo(k)fluoranthene
Concen: 9.136 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.08 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

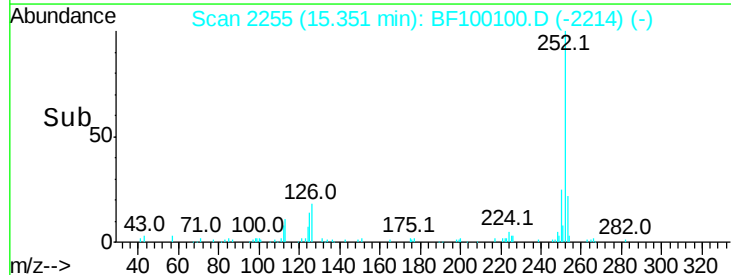
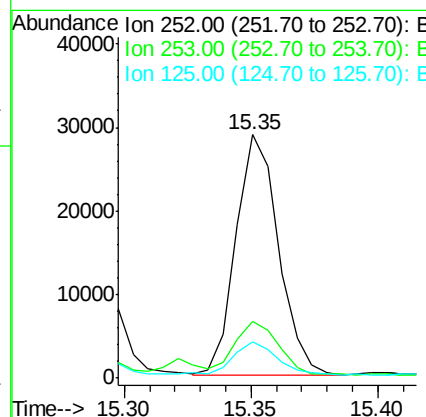
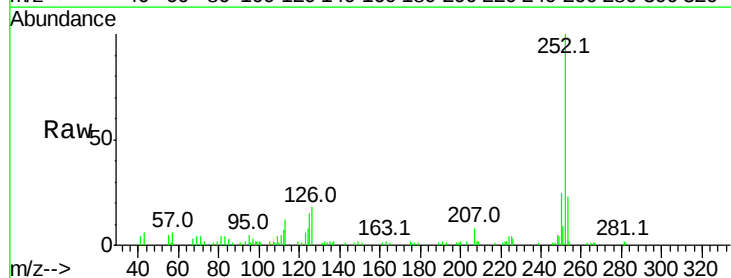
Instrument :
BNA_F
ClientSampleId :

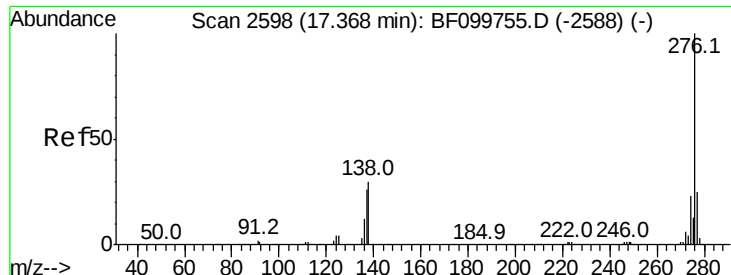
Tot Ion:252 Resp: 63643
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 16.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 5.088 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.06 min
Lab File: BF100100.D
Acq: 2 Nov 2017 22:11

Tgt Ion:252 Resp: 33763
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 14.8 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.620 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.07 min

Lab File: BF100100.D

Acq: 2 Nov 2017 22:11

Instrument :

BNA_F

ClientSampleId :

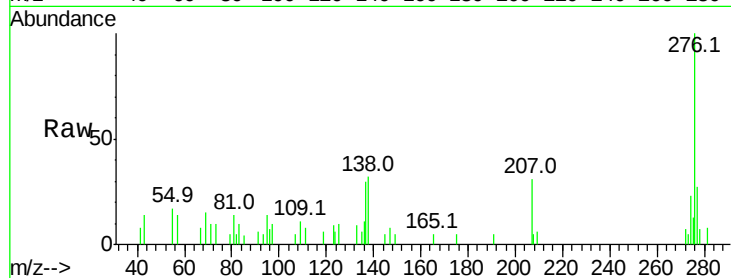
Tot Ion: 276 Resp: 15117

Ion Ratio Lower Upper

276 100

277 27.3 17.9 26.9#

138 31.7 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

