

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110317\
 Data File : BF100143.D
 Acq On : 3 Nov 2017 19:10
 Operator : SJ/JU
 Sample : I6093-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 23:13:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	103146	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	427920	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	195152	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	327625	20.00	ng	0.00
75) Chrysene-d12	13.95	240	180050	20.00	ng	0.00
86) Perylene-d12	15.41	264	168575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	643760	97.99	ng	0.00
7) Phenol-d6	6.42	99	761414	97.74	ng	0.00
23) Nitrobenzene-d5	7.34	82	436249	65.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	164436	92.46	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	769203	60.81	ng	0.00
78) Terphenyl-d14	12.88	244	590677	71.69	ng	0.00

Target Compounds

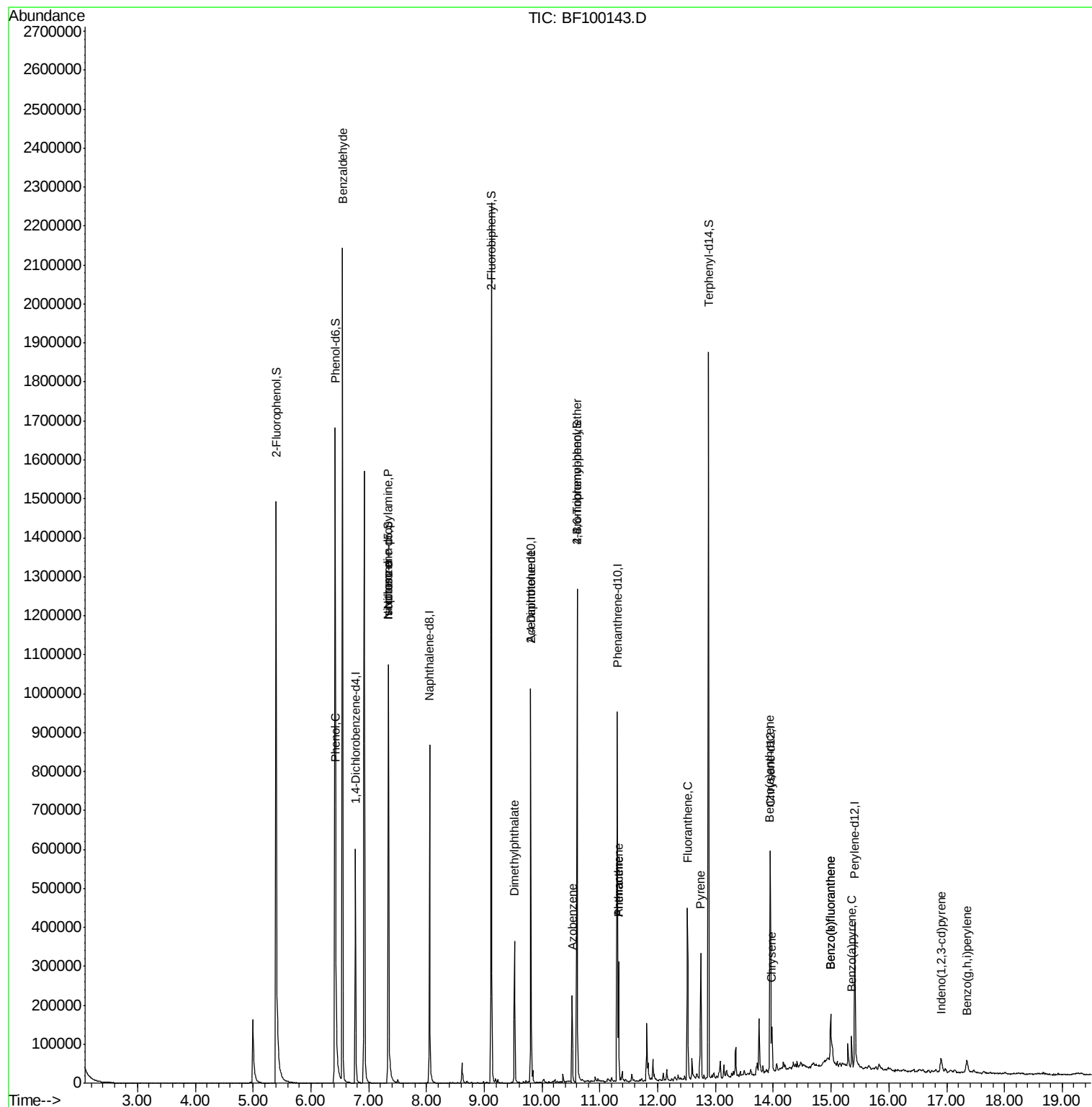
						Qvalue
9) Benzaldehyde	6.55	77	11128	2.390	ng	92
10) Phenol	6.43	94	47231	5.522	ng	93
19) n-Nitroso-di-n-propylamine	7.34	70	55156	12.082	ng	# 69
25) Isophorone	7.34	82	436249	36.170	ng	# 64
49) Dimethylphthalate	9.52	163	154314	9.985	ng	100
56) 2,4-Dinitrotoluene	9.80	165	24933	6.373	ng	# 22
62) Azobenzene	10.52	77	36007	2.846	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	10929	3.169	ng	# 1
70) Phenanthrene	11.32	178	121663	6.580	ng	98
71) Anthracene	11.32	178	121663	6.483	ng	99
74) Fluoranthene	12.52	202	176251	9.173	ng	98
77) Pyrene	12.74	202	136706	9.985	ng	98
80) Benzo(a)anthracene	13.94	228	39167	3.432	ng	96
82) Chrysene	13.98	228	47022	4.382	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	25803	2.619	ng	96
87) Benzo(b)fluoranthene	14.99	252	71450	6.712	ng	# 92
88) Benzo(k)fluoranthene	14.99	252	71450	7.118	ng	# 95
89) Benzo(a)pyrene	15.36	252	33138	3.466	ng	# 94
91) Benzo(a,h,i)perylene	17.35	276	24566	2.955	ng	# 90

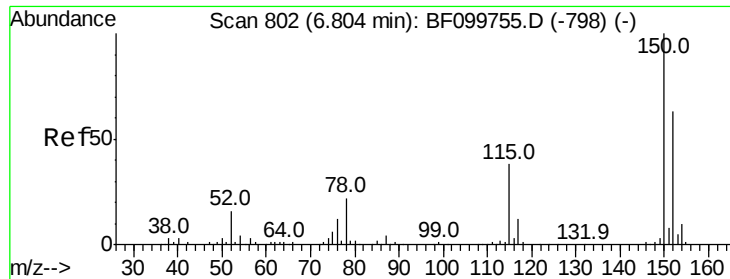
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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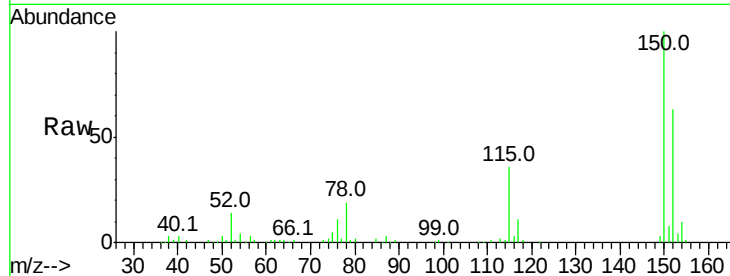


#1

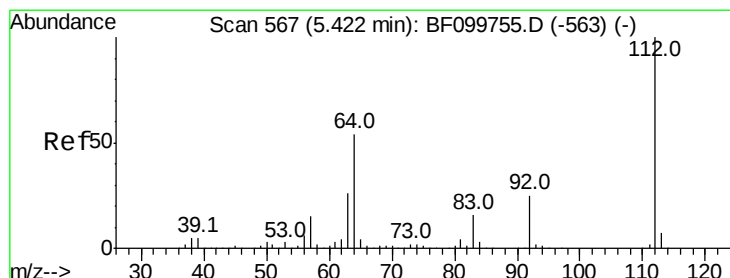
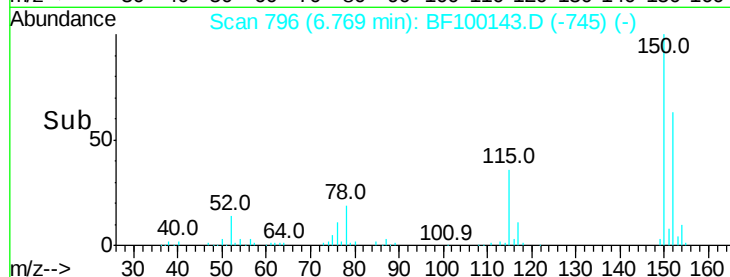
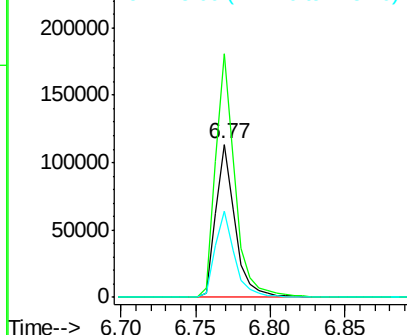
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 103146
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.6 186.8
 115 56.6 50.1 75.1



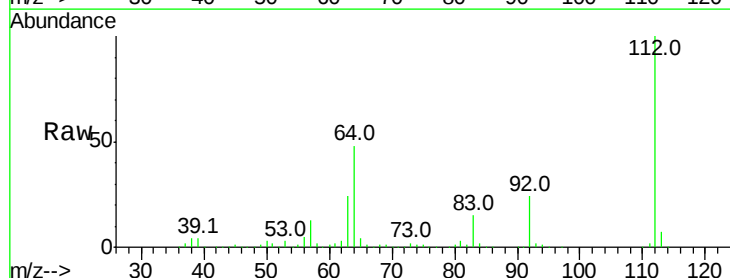
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



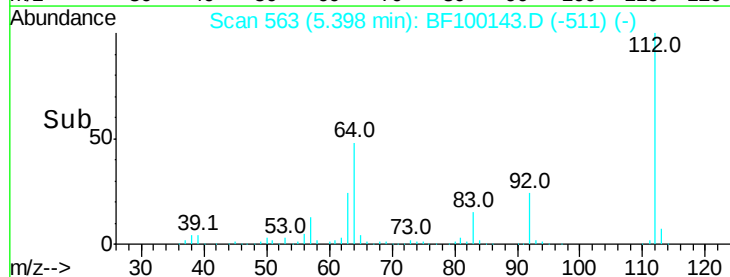
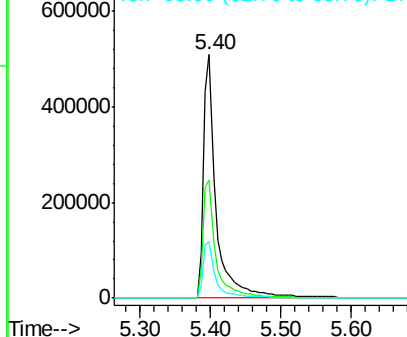
#5

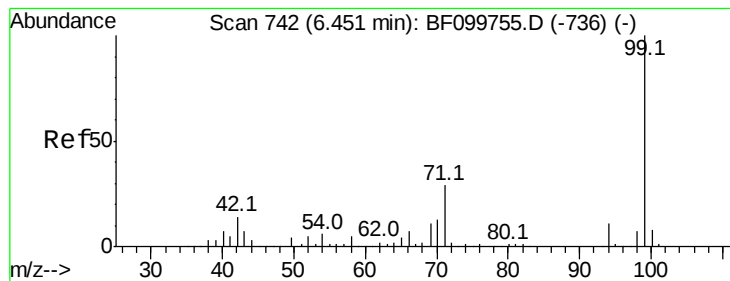
2-Fluorophenol
 Concen: 97.986 ng
 RT: 5.40 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion:112 Resp: 643760
 Ion Ratio Lower Upper
 112 100
 64 48.4 47.9 71.9
 63 23.5 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: 97.741 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

ClientSampled :

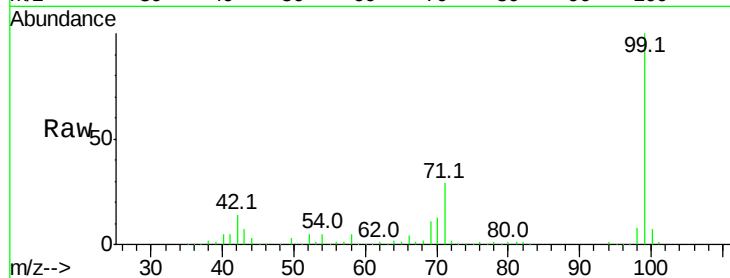
Tot Ion: 99 Resp: 761414

Ion Ratio Lower Upper

99 100

42 13.8 14.5 21.7#

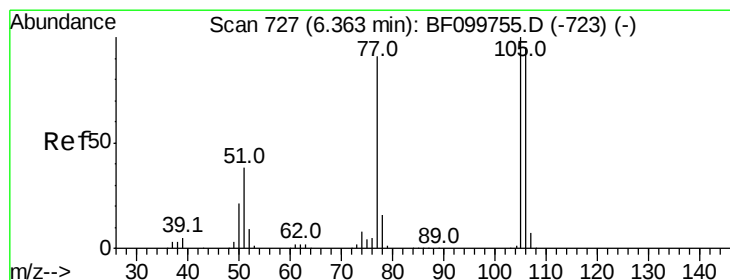
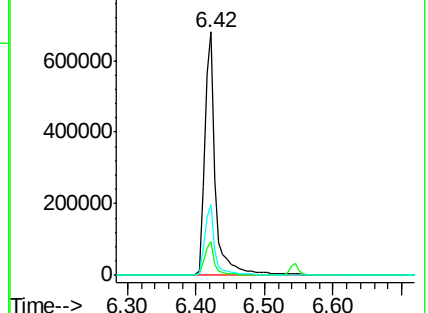
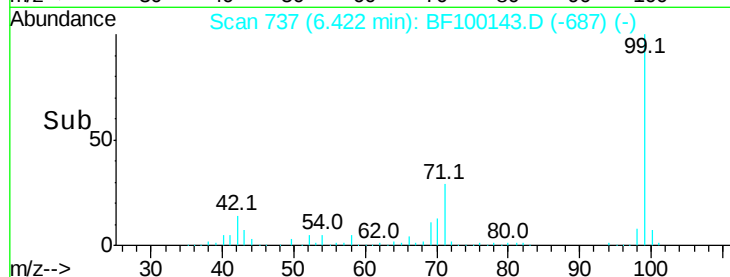
71 29.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.390 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.21 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

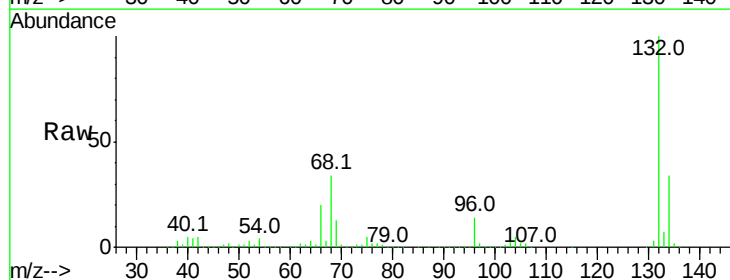
Tgt Ion: 77 Resp: 11128

Ion Ratio Lower Upper

77 100

105 91.0 81.1 121.1

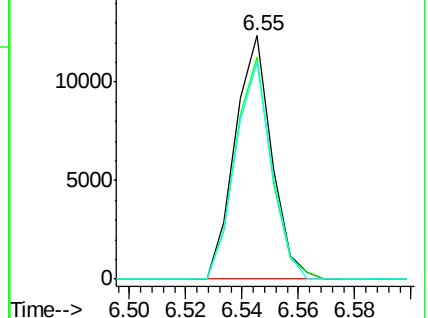
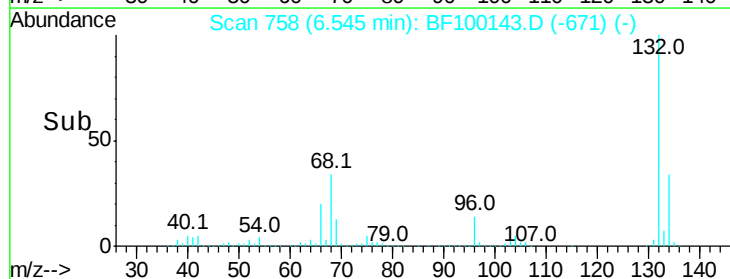
106 88.8 74.5 114.5

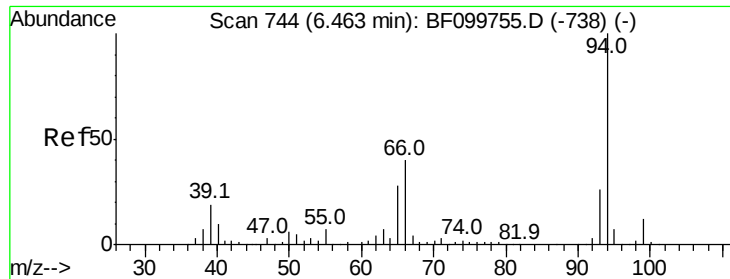


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 5.522 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

ClientSampled :

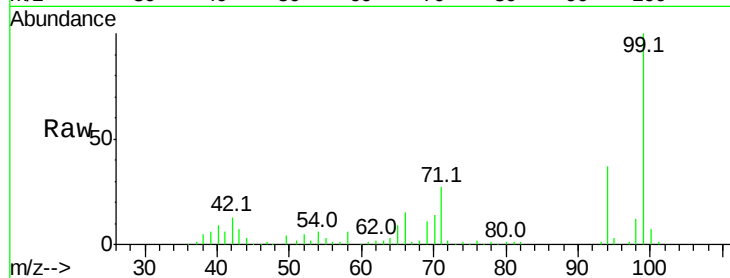
Tot Ion: 94 Resp: 47231

Ion Ratio Lower Upper

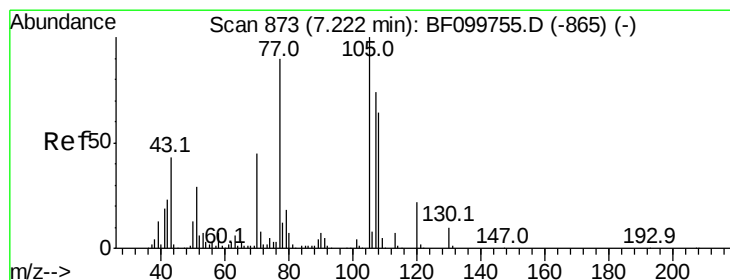
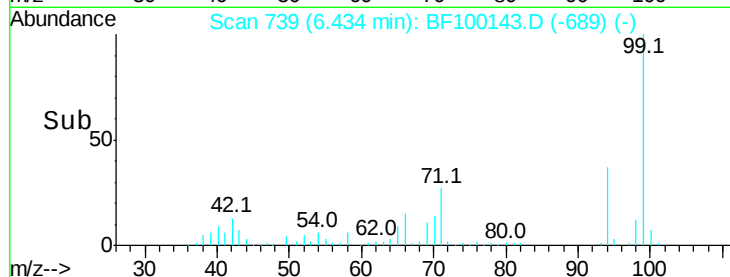
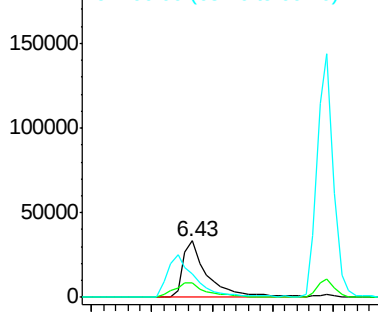
94 100

65 24.8 7.9 47.9

66 41.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.082 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.15 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Tgt Ion: 70 Resp: 55156

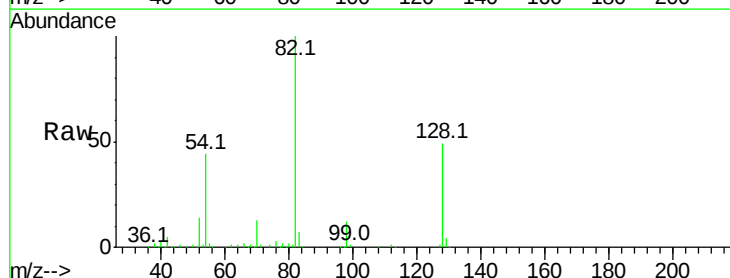
Ion Ratio Lower Upper

70 100

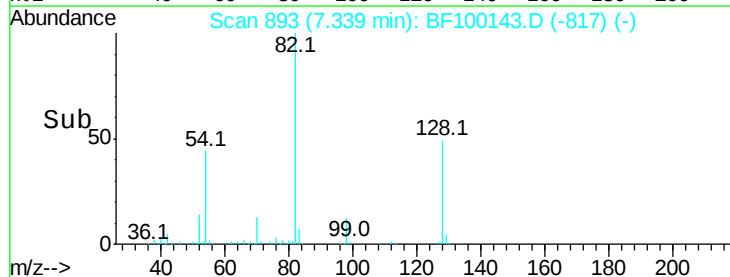
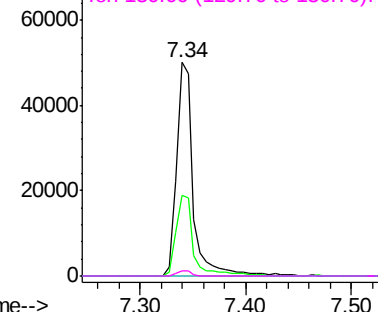
42 37.5 47.5 71.3#

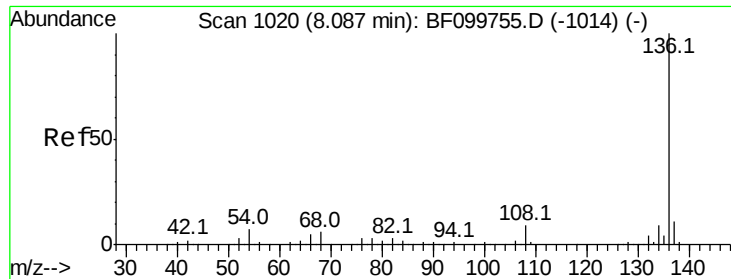
101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

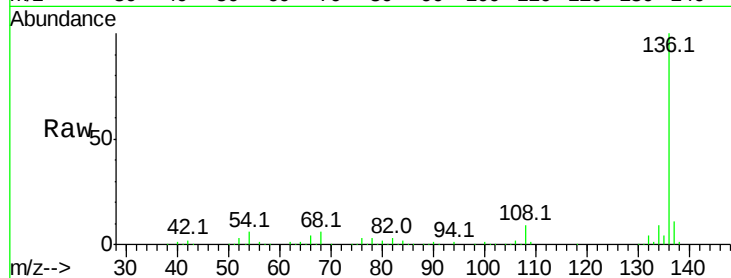




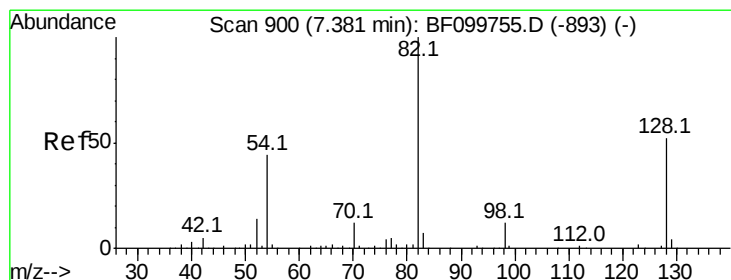
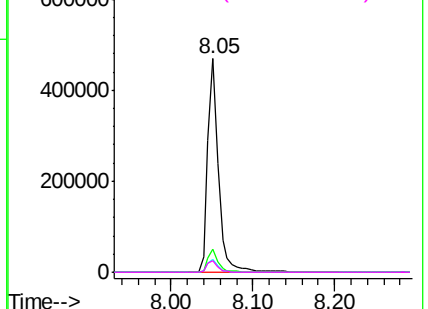
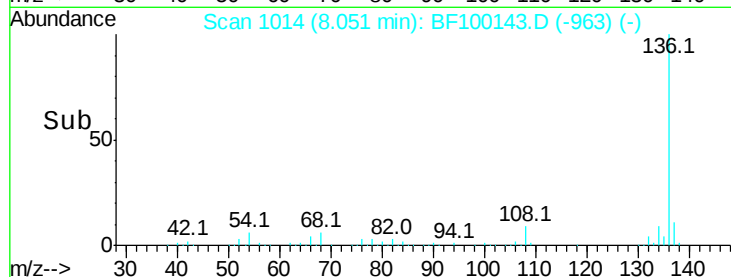
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	427920
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.3	6.6	9.8#
68	5.5	5.0	7.4

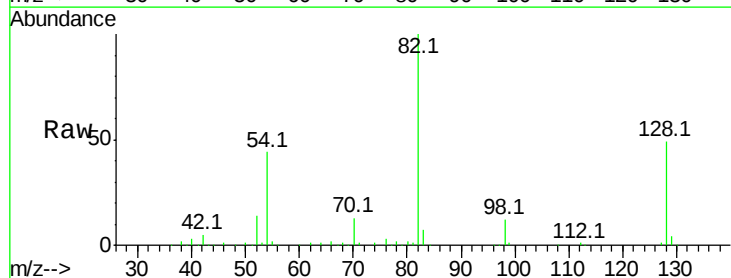


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

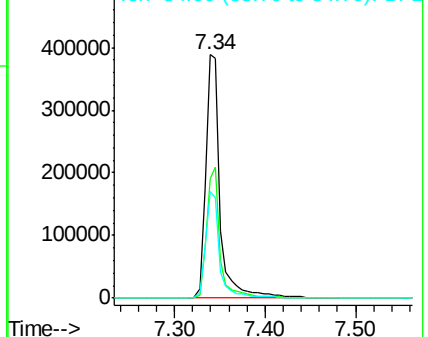
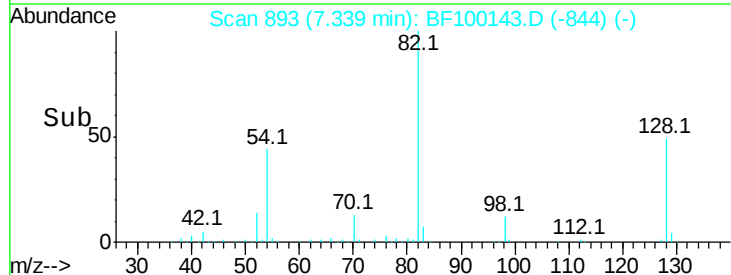


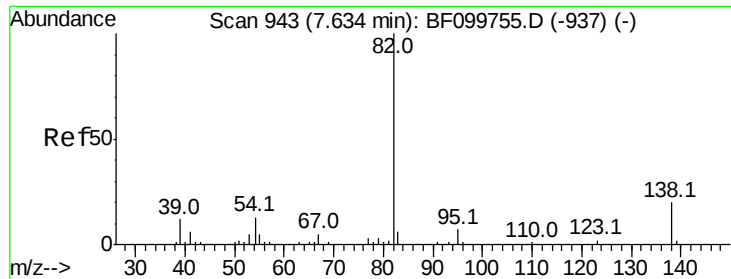
#23
Nitrobenzene-d5
Concen: 65.634 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion:	82	Resp:	436249
Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	44.0	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: 36.170 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.26 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

ClientSampleId :

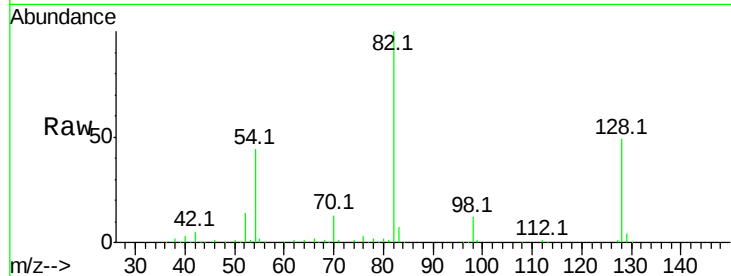
Tot Ion: 82 Resp: 436249

Ion Ratio Lower Upper

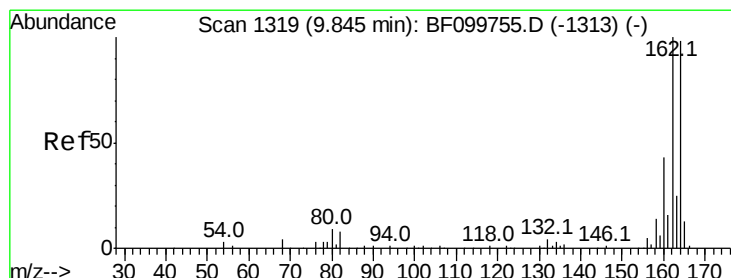
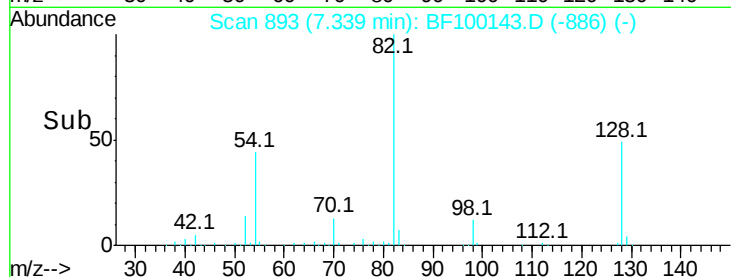
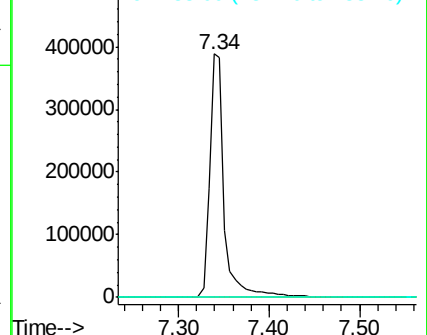
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

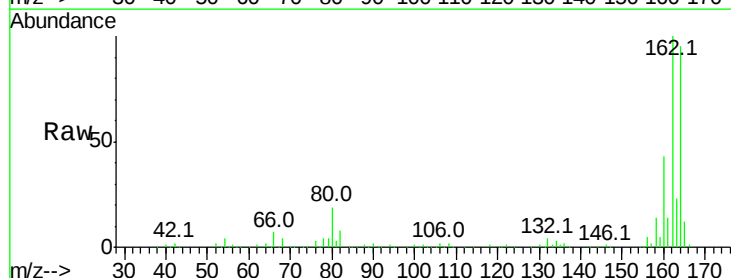
Tgt Ion: 164 Resp: 195152

Ion Ratio Lower Upper

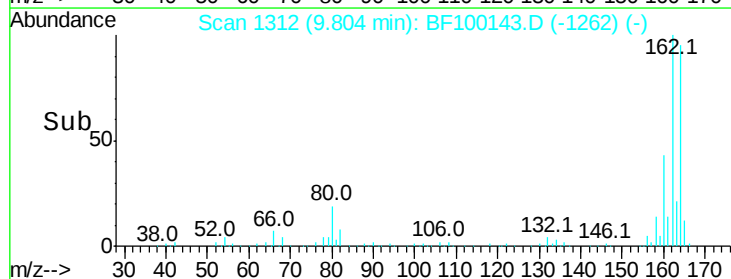
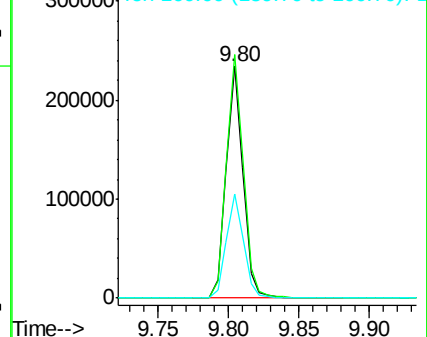
164 100

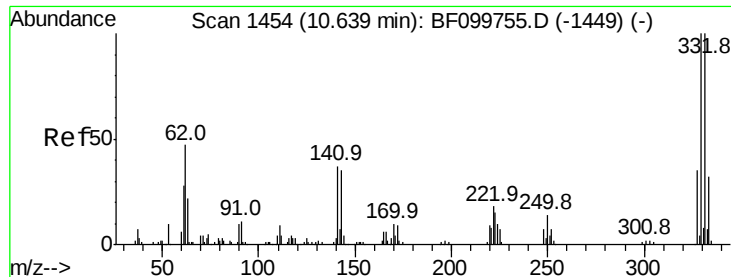
162 105.0 86.1 129.1

160 45.0 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

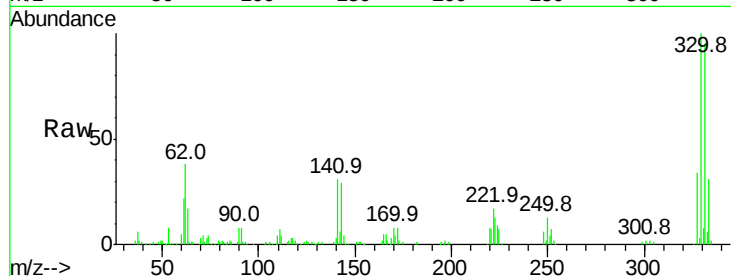




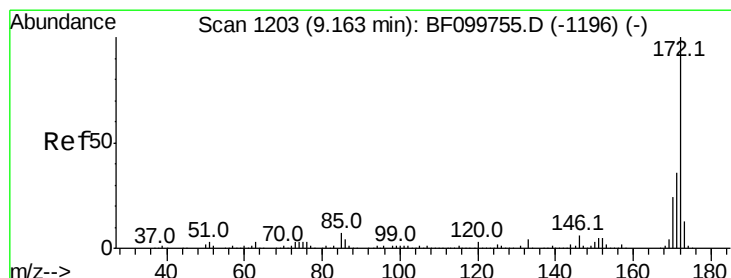
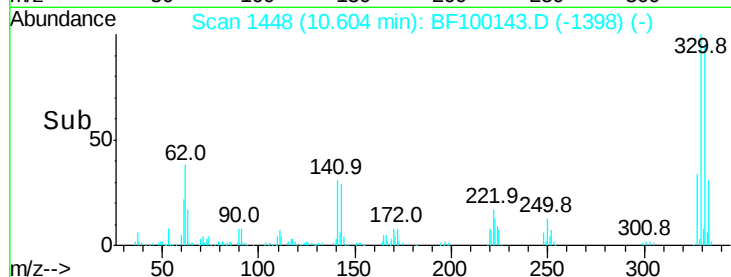
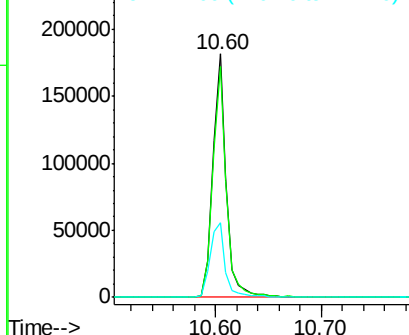
#41
 2,4,6-Tribromophenol
 Concen: 92.460 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 164436
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 34.1 29.9 44.9

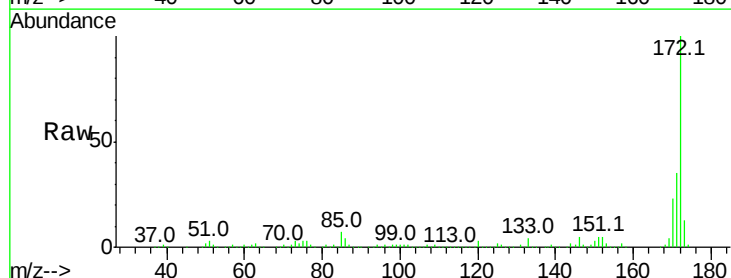


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

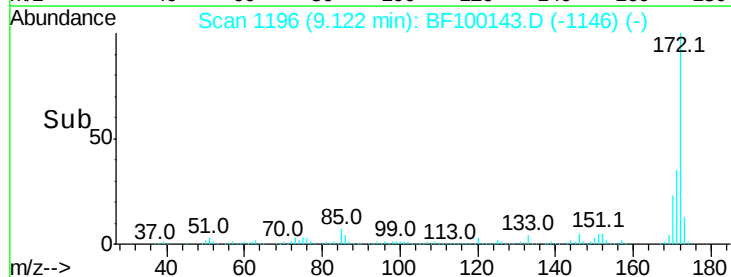
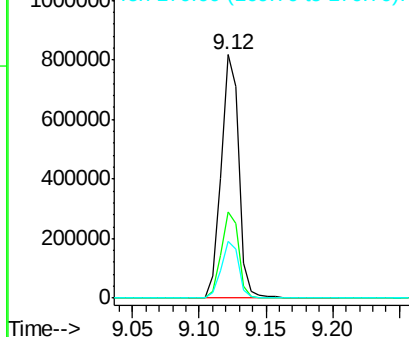


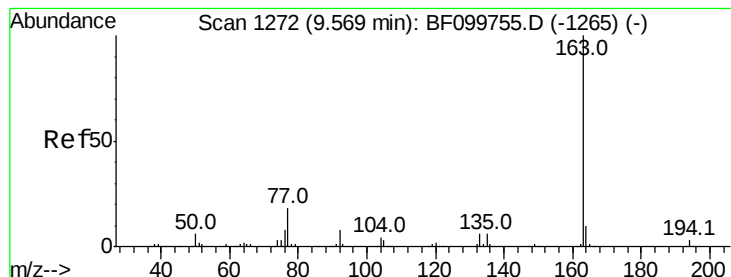
#44
 2-Fluorobiphenyl
 Concen: 60.812 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion:172 Resp: 769203
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.4 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: 9.985 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

ClientSampleId :

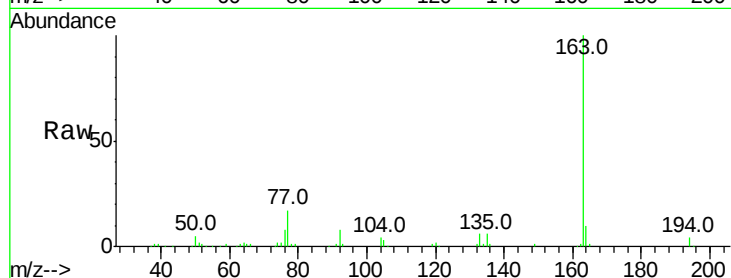
Tot Ion:163 Resp: 154314

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

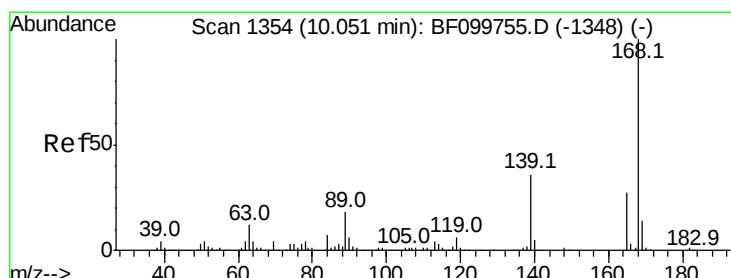
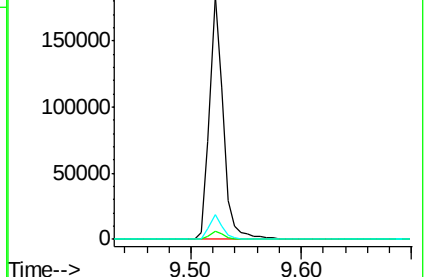
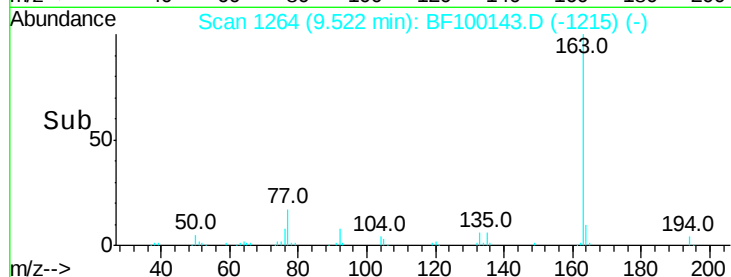
164 10.2 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.373 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.22 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Tgt Ion:165 Resp: 24933

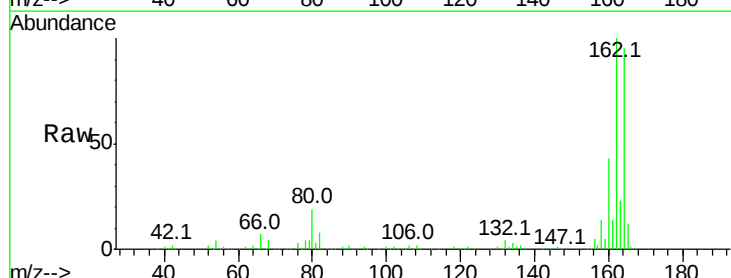
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.0 57.8 86.6#

182 0.0 1.6 2.4#

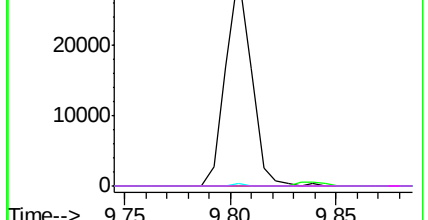
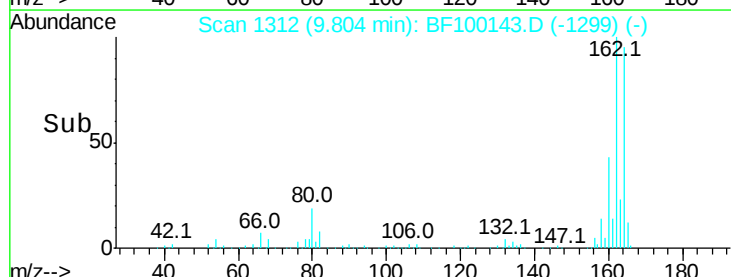


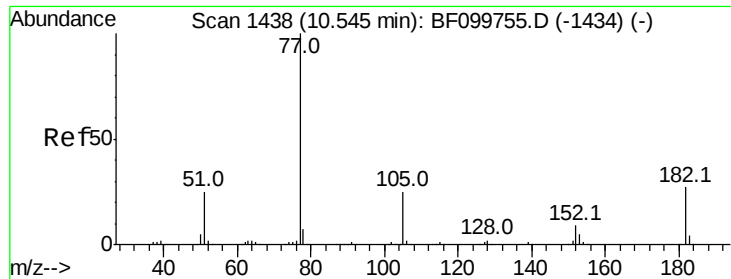
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 2.846 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 36007

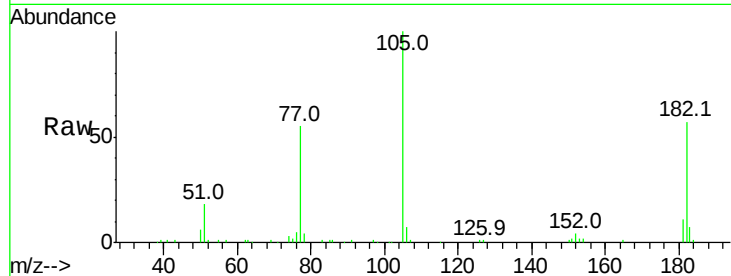
Ion Ratio Lower Upper

77 100

182 103.7 1.7 41.7#

105 181.3 3.0 43.0#

51 32.3 9.9 49.9

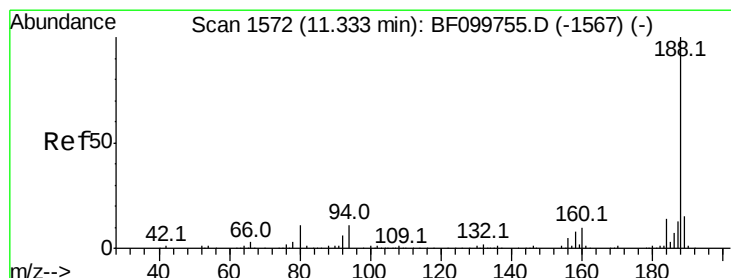
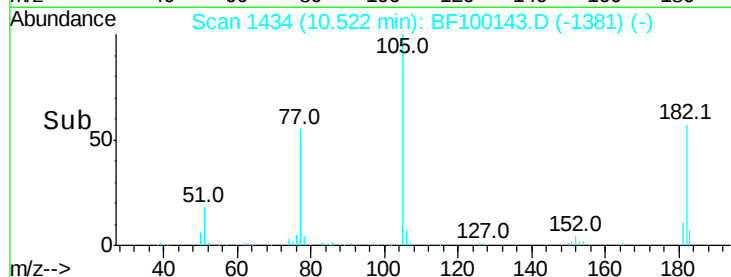
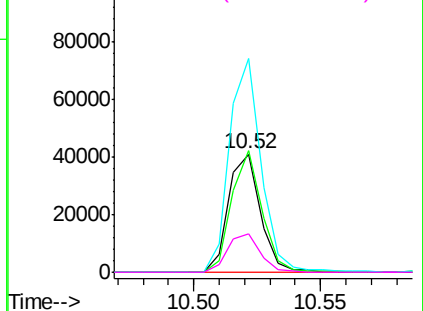


Abundance Ion 77.00 (76.70 to 77.70): BF1

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): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

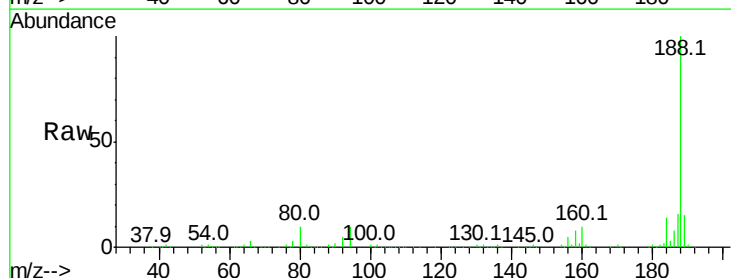
Tgt Ion: 188 Resp: 327625

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

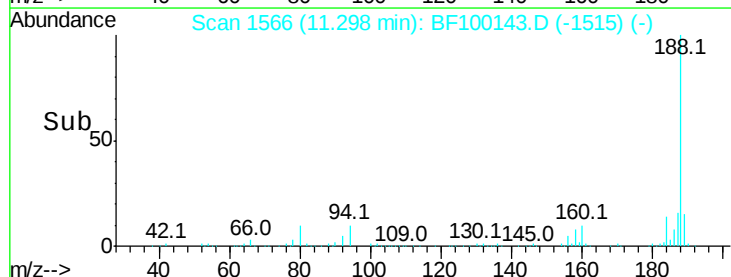
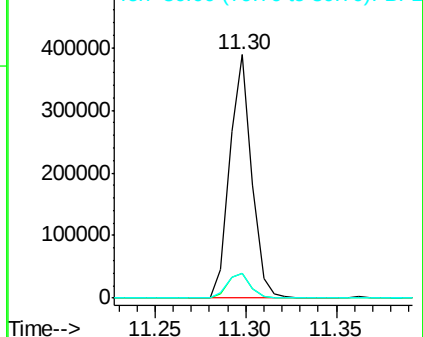
80 10.3 9.2 13.8

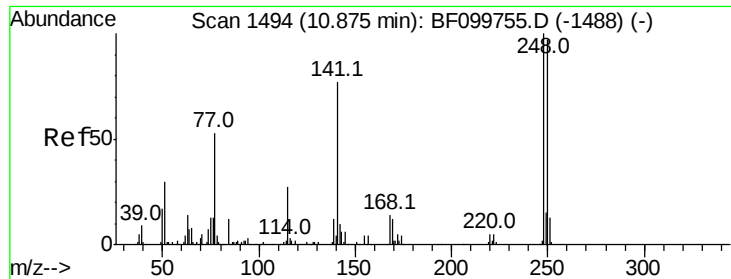


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

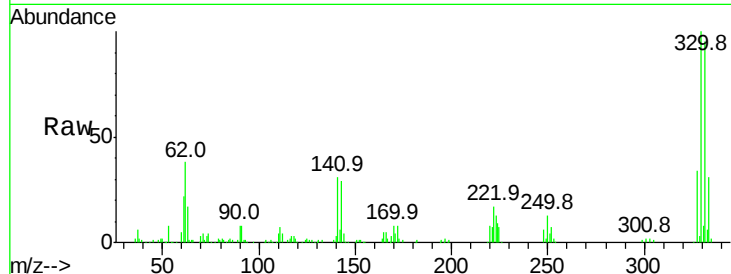




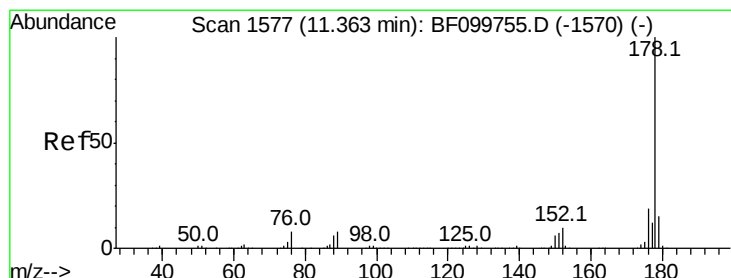
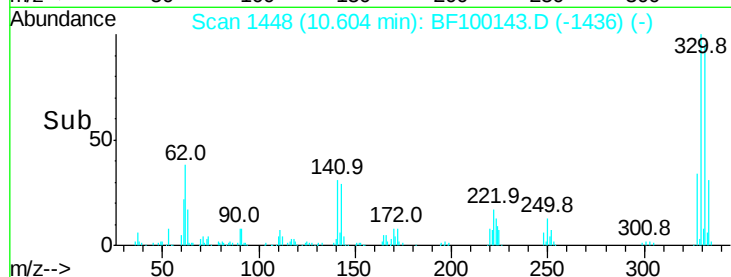
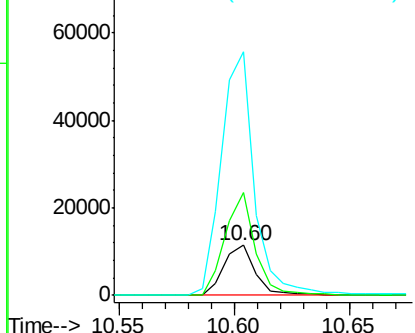
#66
 4-Bromophenyl-phenylether
 Concen: 3.169 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.23 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 10929
 Ion Ratio Lower Upper
 248 100
 250 205.8 76.9 115.3#
 141 486.9 74.4 111.6#

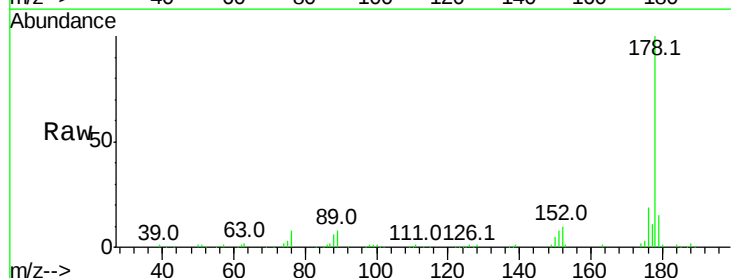


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

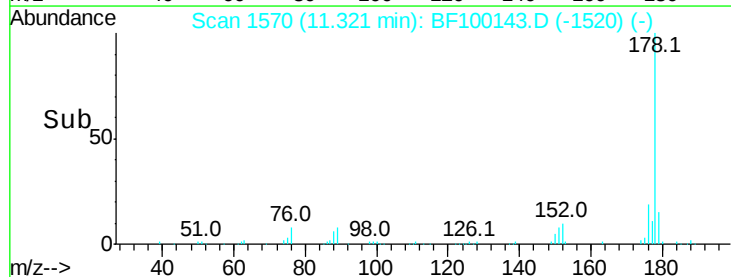
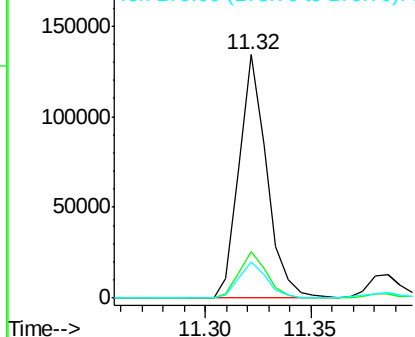


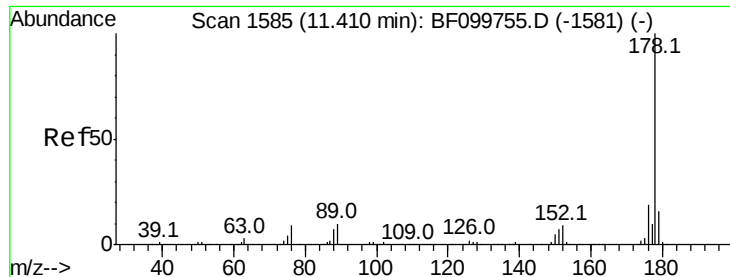
#70
 Phenanthrene
 Concen: 6.580 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion:178 Resp: 121663
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.0 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

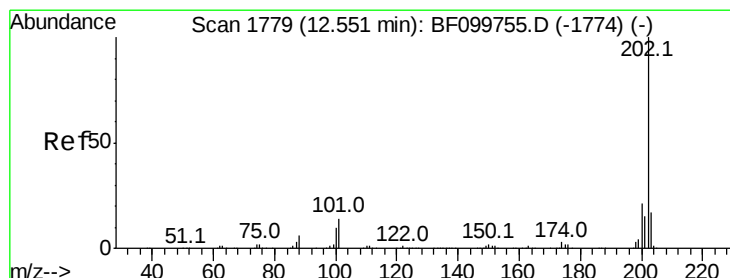
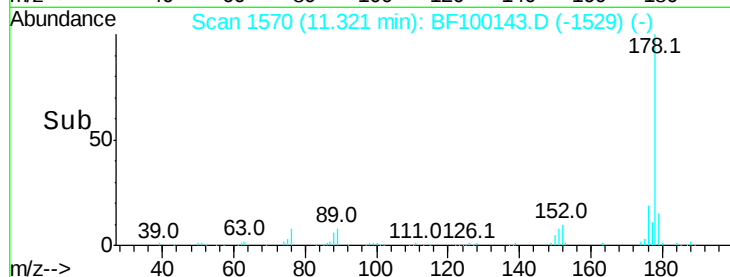
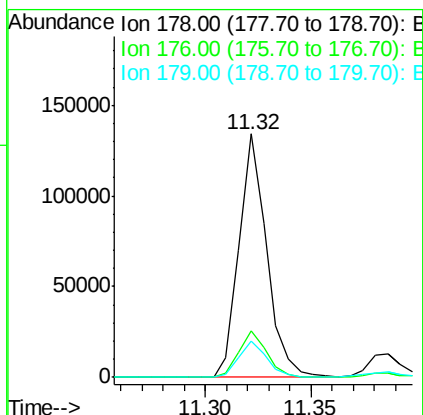
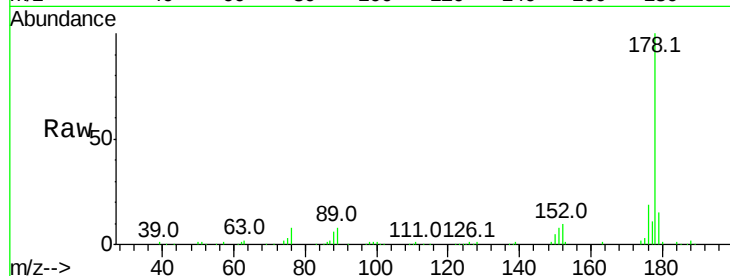




#71
 Anthracene
 Concen: 6.483 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.06 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

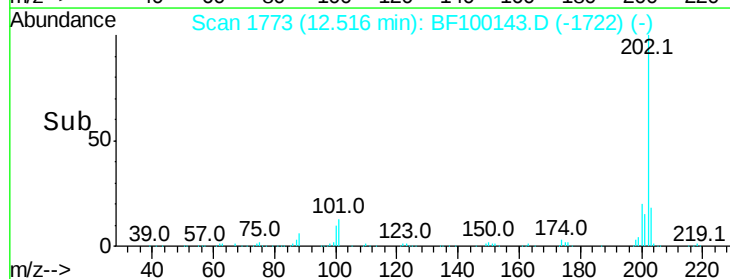
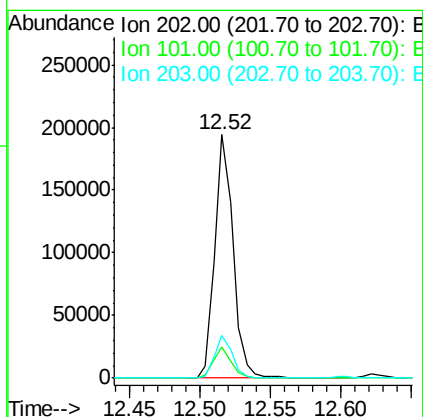
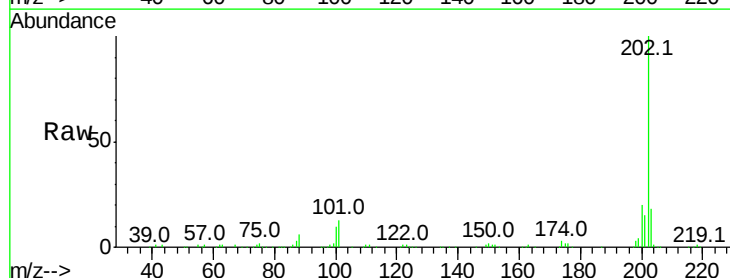
Instrument :
 BNA_F
 ClientSampleId :

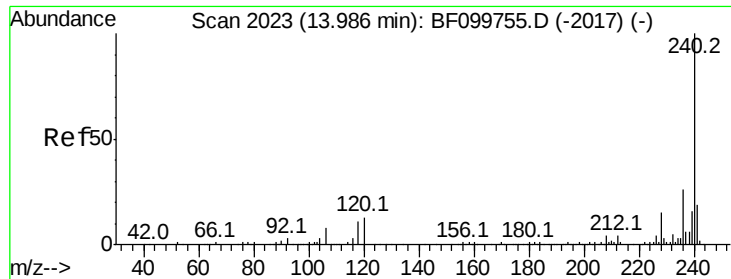
Tot Ion:178 Resp: 121663
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.0 12.6 19.0



#74
 Fluoranthene
 Concen: 9.173 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion:202 Resp: 176251
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 34.1
 203 17.6 0.0 38.1

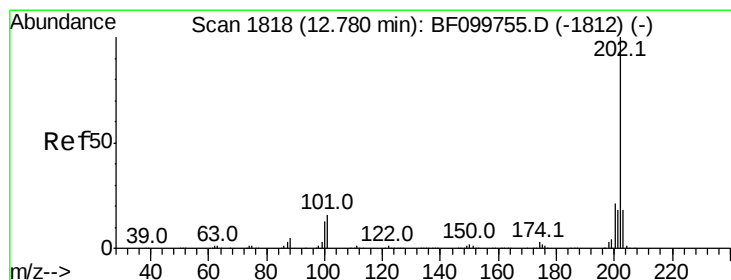
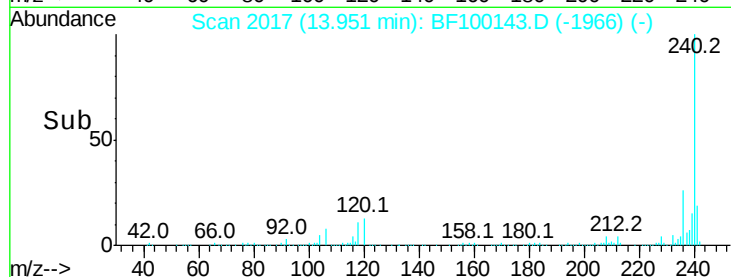
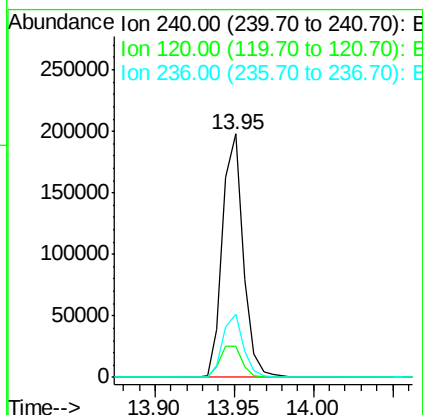
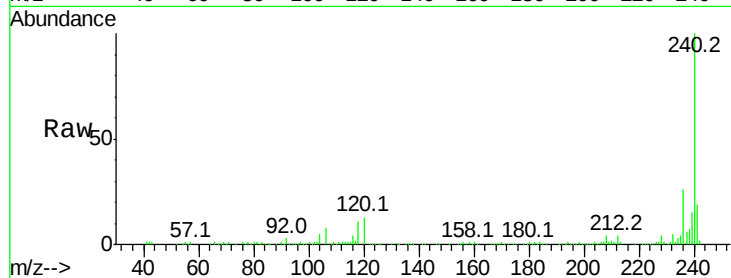




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

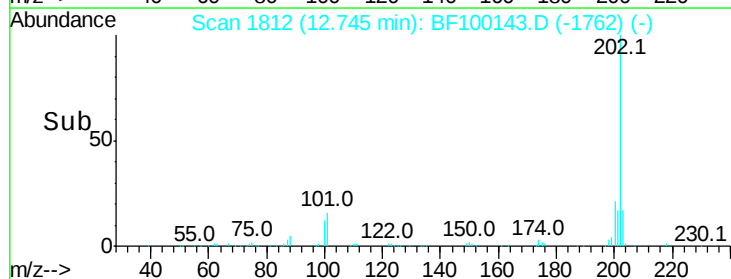
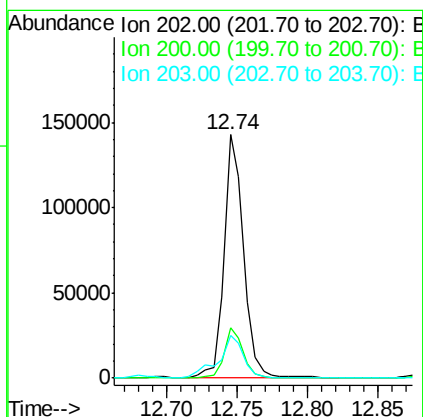
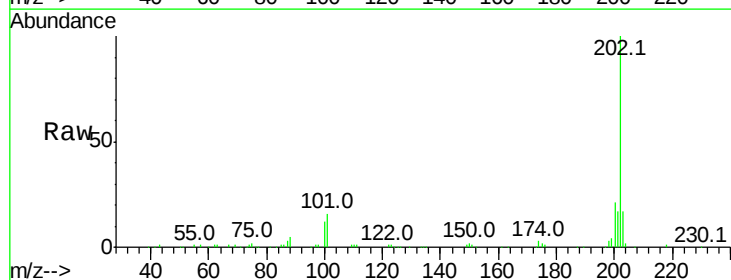
Instrument :
 BNA_F
 ClientSampleID :

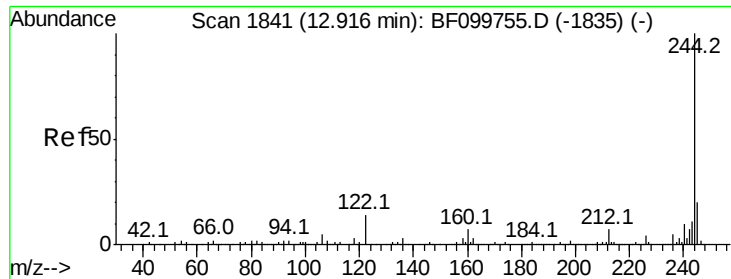
Tot Ion:240 Resp: 180050
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 25.8 20.7 31.1



#77
 Pyrene
 Concen: 9.985 ng
 RT: 12.74 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion:202 Resp: 136706
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 17.4 14.3 21.5

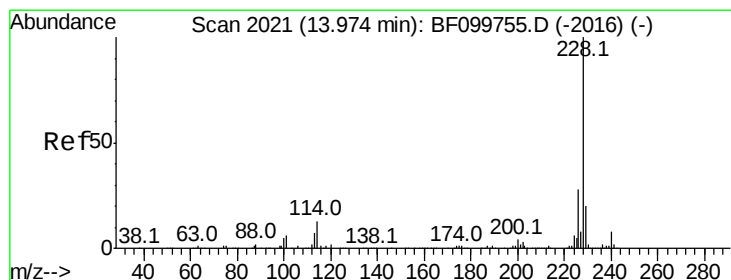
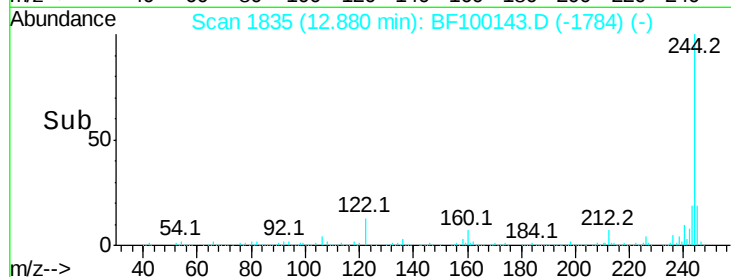
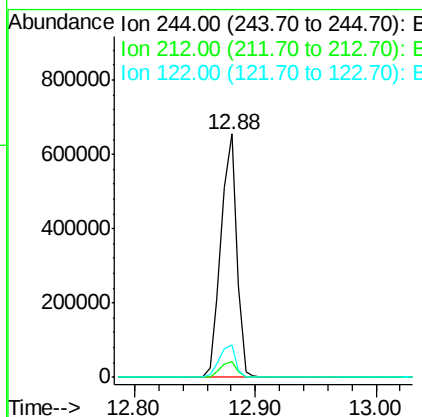
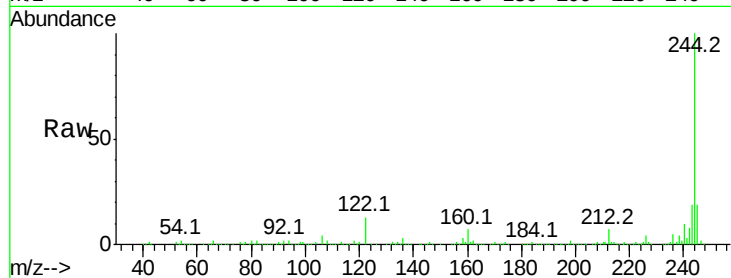




#78
 Terphenyl-d14
 Concen: 71.694 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

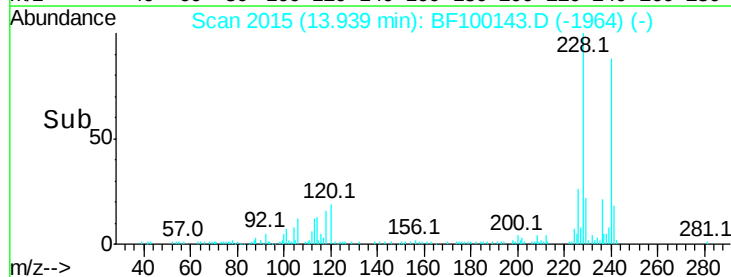
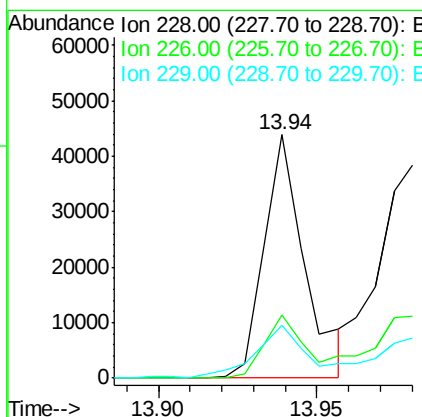
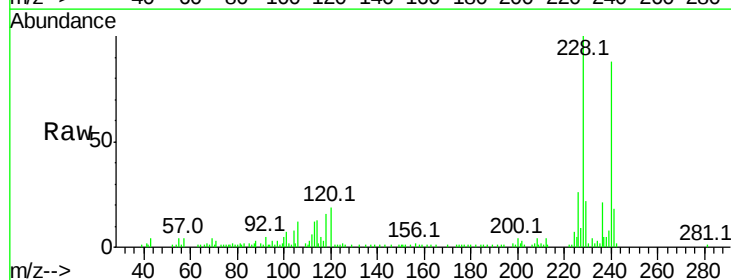
Instrument :
 BNA_F
 ClientSampleId :

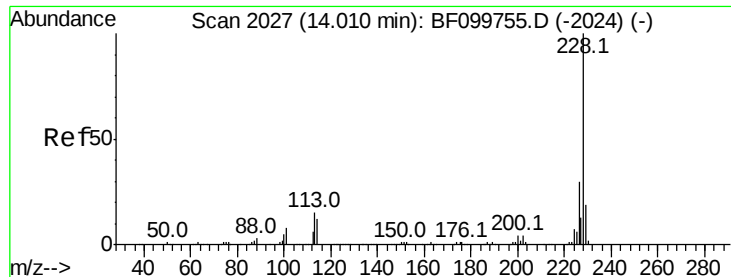
Tot Ion:244 Resp: 590677
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 13.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.432 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: BF100143.D
 Acq: 3 Nov 2017 19:10

Tgt Ion:228 Resp: 39167
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.6 33.8
 229 21.8 15.8 23.6

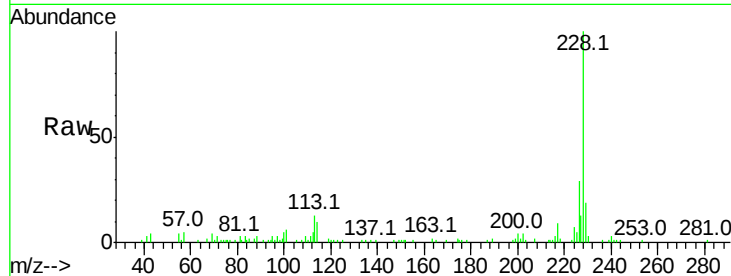




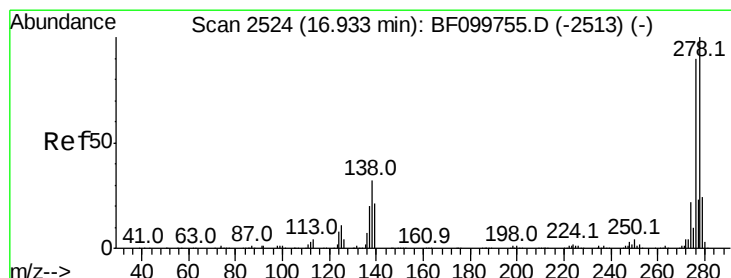
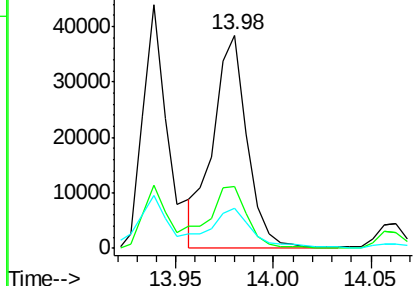
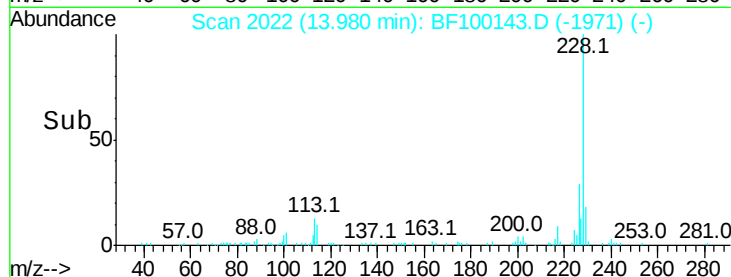
#82
Chrysene
Concen: 4.382 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 47022
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 18.8 16.2 24.4

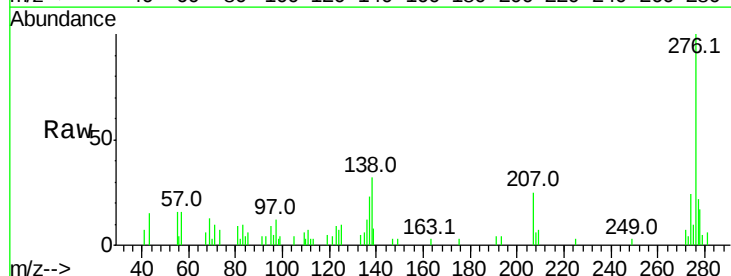


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

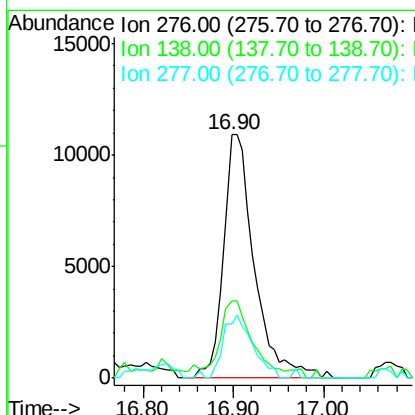
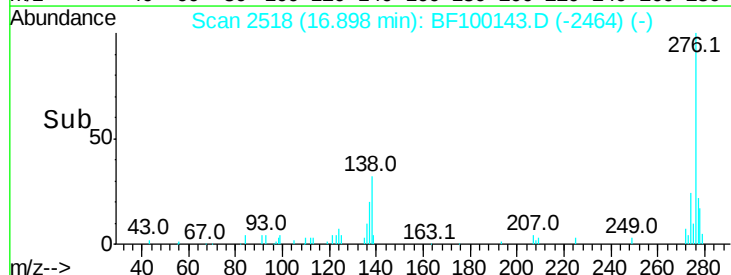


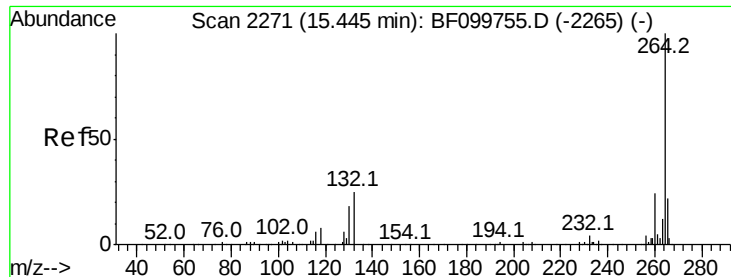
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.619 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.02 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion:276 Resp: 25803
Ion Ratio Lower Upper
276 100
138 28.2 25.0 37.6
277 24.1 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



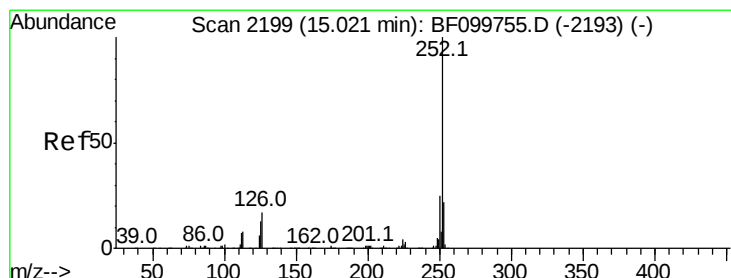
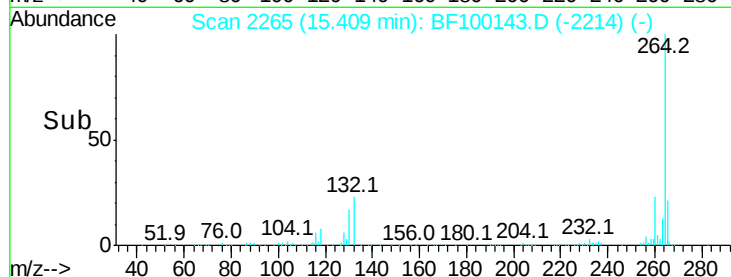
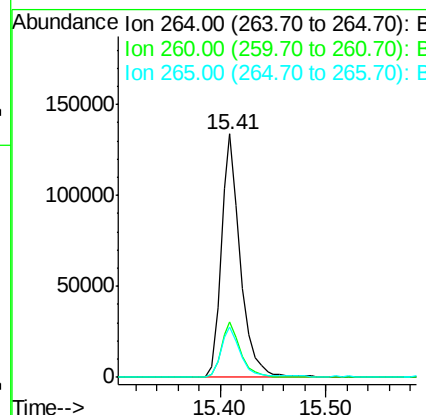
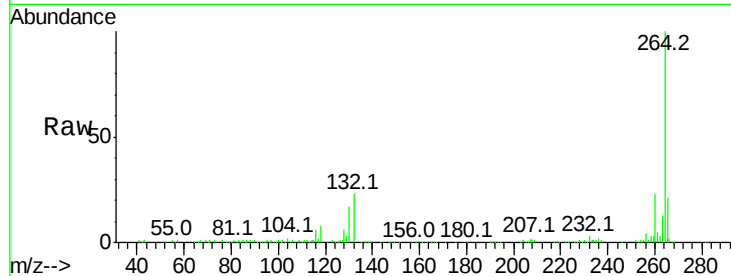


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 168575

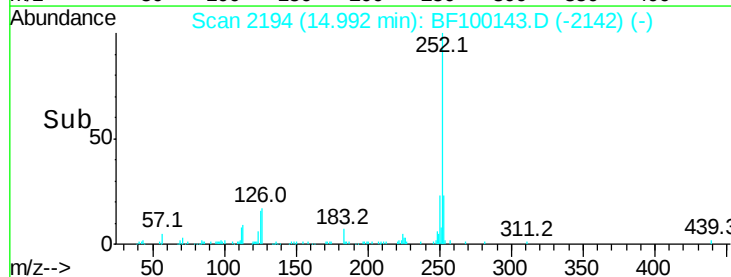
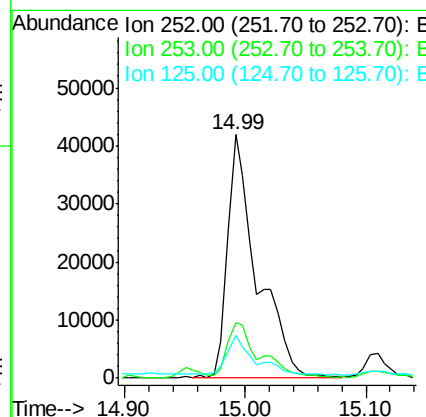
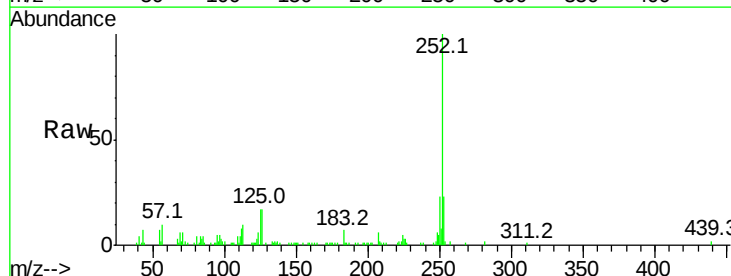
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	20.8	17.5	26.3

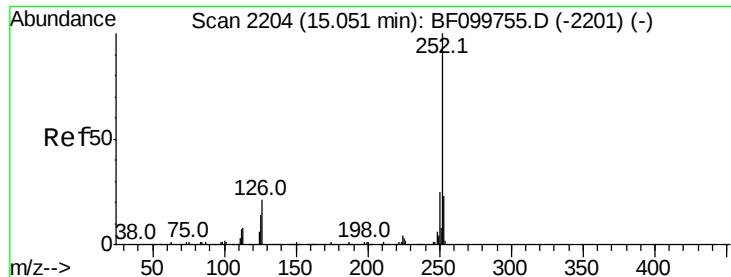


#87
Benzo(b)fluoranthene
Concen: 6.712 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion:252 Resp: 71450

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	17.5	9.0	13.6#

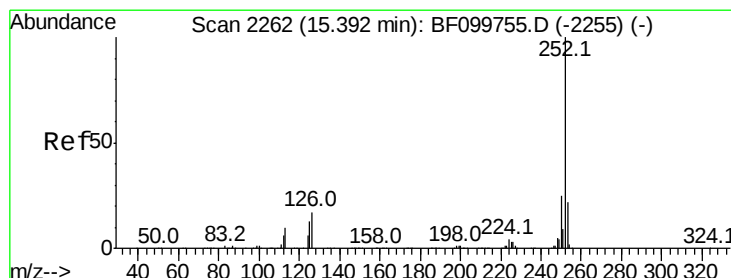
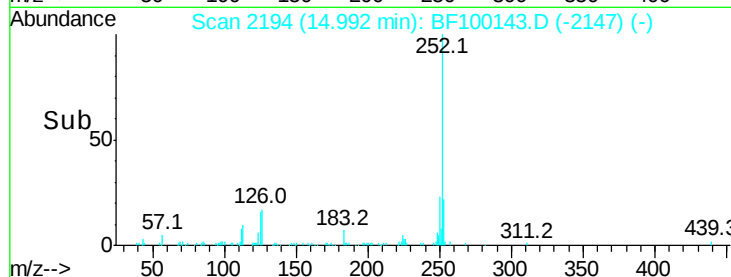
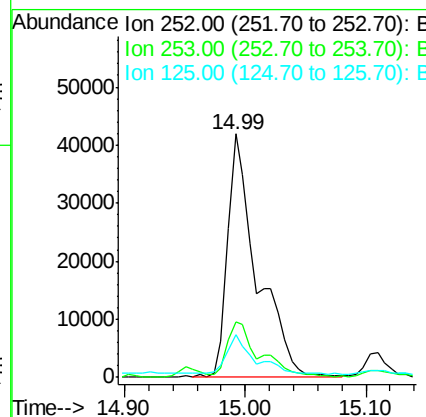
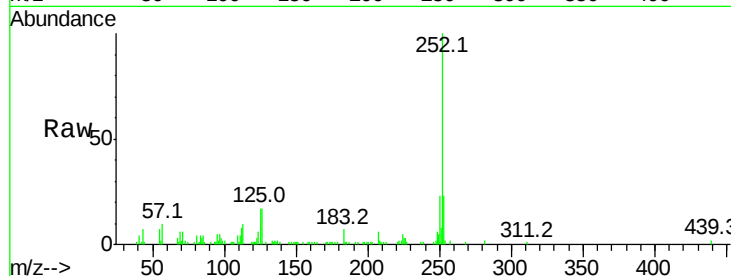




#88
Benzo(k)fluoranthene
Concen: 7.118 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

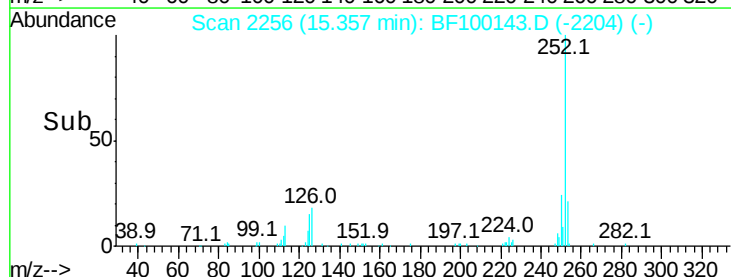
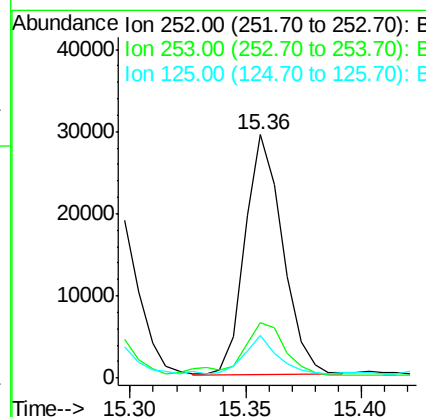
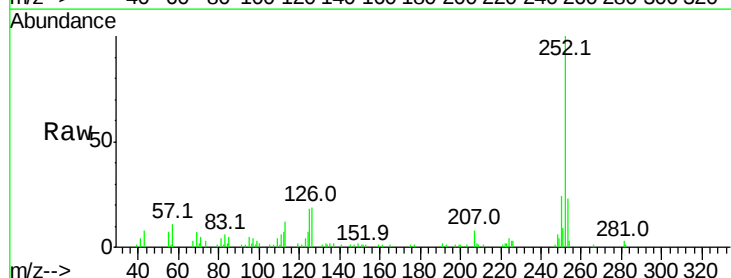
Instrument :
BNA_F
ClientSampleId :

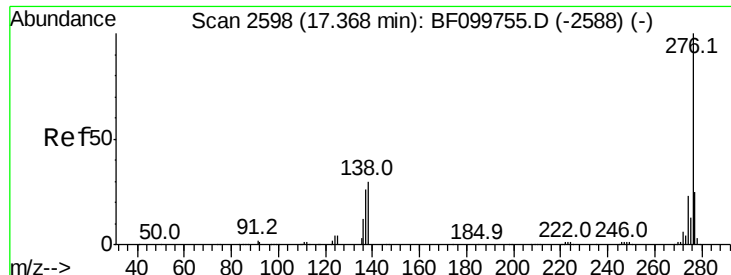
Tot Ion:252 Resp: 71450
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 17.5 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.466 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF100143.D
Acq: 3 Nov 2017 19:10

Tgt Ion:252 Resp: 33138
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 17.5 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.955 ng

RT: 17.35 min Scan# 2595

Delta R.T. 0.03 min

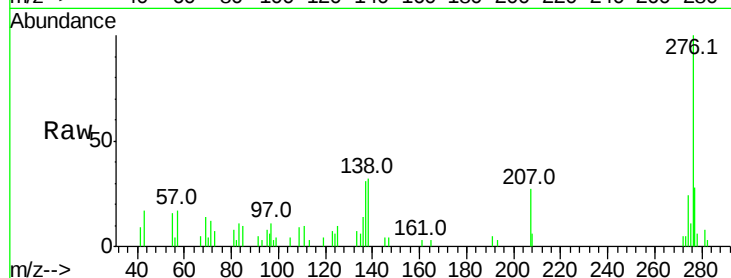
Lab File: BF100143.D

Acq: 3 Nov 2017 19:10

Instrument :

BNA_F

ClientSampleId :



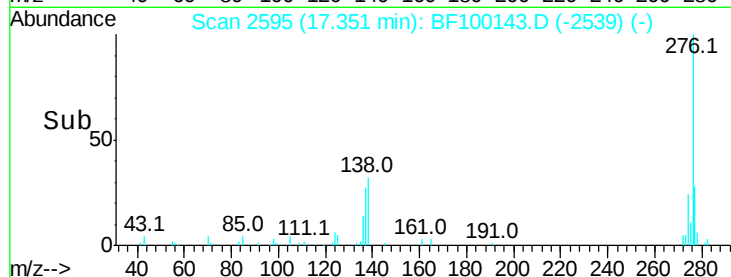
Tot Ion:276 Resp: 24566

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 32.5 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

