

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100846.D
 Acq On : 23 Nov 2017 1:41
 Operator : SJ/JU
 Sample : I6548-08 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 23 23:43:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	76243	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	296605	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	133122	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	235128	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	147828	20.00	ng	-0.02
86) Perylene-d12	15.50	264	169209	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	37744	7.94	ng	-0.02
7) Phenol-d6	6.48	99	46119	7.86	ng	-0.03
23) Nitrobenzene-d5	7.42	82	26872	5.99	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	10872	8.01	ng	-0.03
44) 2-Fluorobiphenyl	9.21	172	62952	7.20	ng	-0.03
78) Terphenyl-d14	12.96	244	43750	6.80	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	674	0.161	ng	# 78
10) Phenol	6.50	94	1367	0.222	ng	# 97
15) Benzyl Alcohol	7.01	79	488	0.107	ng	# 24
19) n-Nitroso-di-n-propylamine	7.42	70	3630	0.892	ng	# 72
25) Isophorone	7.42	82	26872	2.850	ng	# 64
31) Naphthalene	8.16	128	934	0.065	ng	# 68
37) 2-Methylnaphthalene	8.85	142	171	0.018	ng	# 43
45) 1,1'-Biphenyl	9.32	154	190	0.017	ng	# 42
48) Acenaphthylene	9.76	152	2984	0.216	ng	# 93
49) Dimethylphthalate	9.60	163	4303	0.423	ng	# 95
50) 2,6-Dinitrotoluene	9.90	165	17062	8.480	ng	# 24
51) Acenaphthene	9.93	154	2076	0.247	ng	# 96
54) Dibenzofuran	10.10	168	1169	0.099	ng	# 89
55) 4-Nitrophenol	10.10	139	175	0.091	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	17062	6.722	ng	# 21
57) Fluorene	10.45	166	2541	0.294	ng	# 91
59) Diethylphthalate	10.30	149	5854	0.576	ng	# 93
65) n-Nitrosodiphenylamine	10.68	169	361	0.044	ng	# 24
66) 4-Bromophenyl-phenvlether	10.68	248	533	0.211	ng	# 1
70) Phenanthrene	11.40	178	50391	4.070	ng	# 95
71) Anthracene	11.46	178	12036	0.958	ng	# 96
72) Carbazole	11.62	167	2655	0.229	ng	# 87
73) Di-n-butylphthalate	11.93	149	1921	0.142	ng	# 78
74) Fluoranthene	12.60	202	79998	6.097	ng	# 93
76) Benzdine	12.96	184	465	0.079	ng	# 66
77) Pyrene	12.83	202	79395	7.534	ng	# 98
79) Butylbenzylphthalate	13.44	149	345	0.080	ng	# 73
80) Benzo(a)anthracene	14.01	228	35749	4.016	ng	# 97
81) 3,3'-Dichlorobenzidine	14.06	252	264	0.083	ng	# 43
82) Chrysene	14.04	228	32102	3.724	ng	# 95
83) Bis(2-ethylhexyl)phthalate	13.99	149	2545	0.450	ng	# 78
84) Di-n-octyl phthalate	14.60	149	2130	0.219	ng	# 74
85) Indeno(1,2,3-cd)pyrene	16.96	276	20202	2.897	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	56910	5.677	ng	# 96

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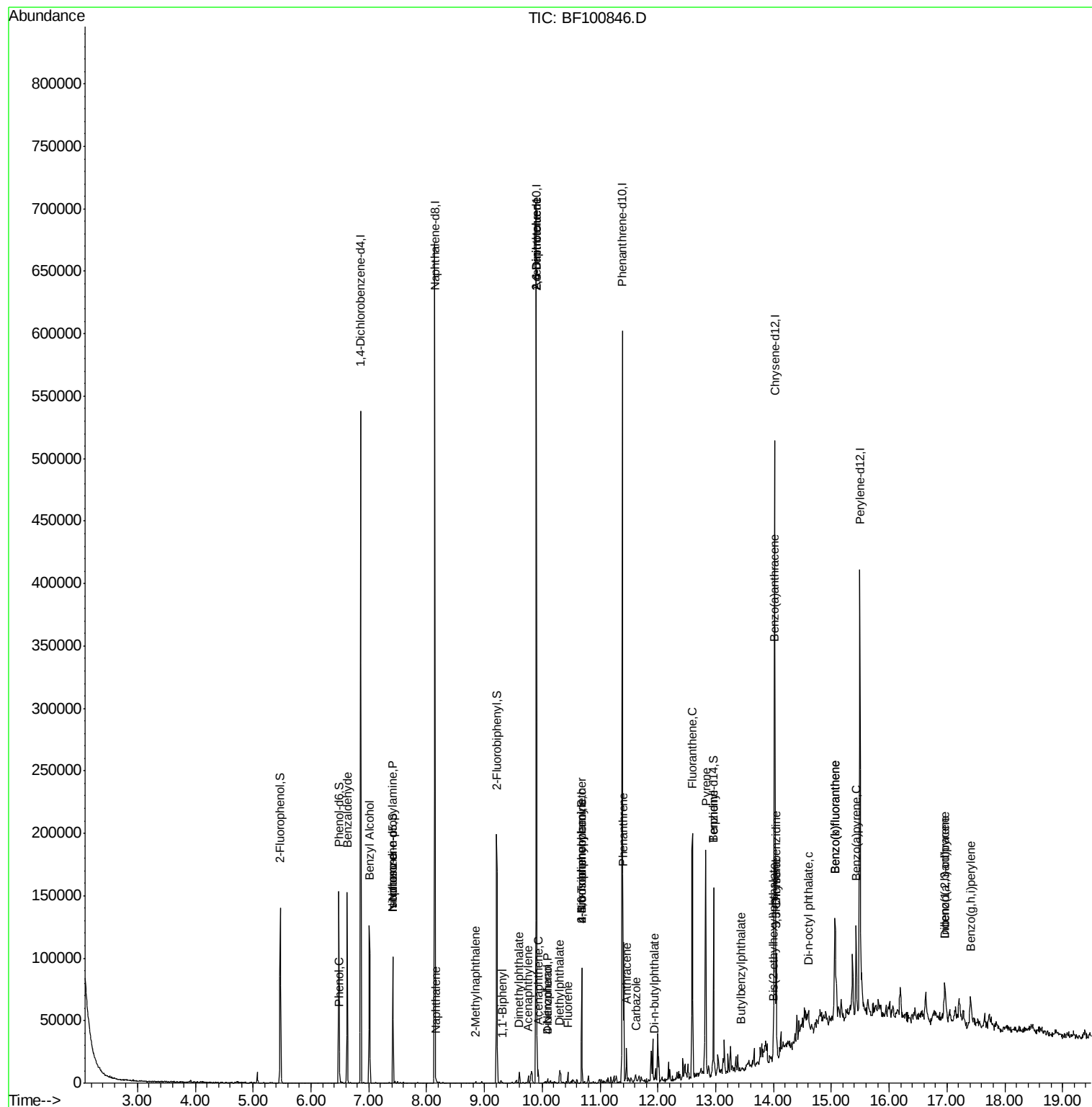
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	15.06	252	56910	6.008	ng	97
89) Benzo(a)pyrene	15.43	252	33665	3.788	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	6165	0.848	ng #	94
91) Benzo(g,h,i)perylene	17.42	276	18461	2.595	ng #	90

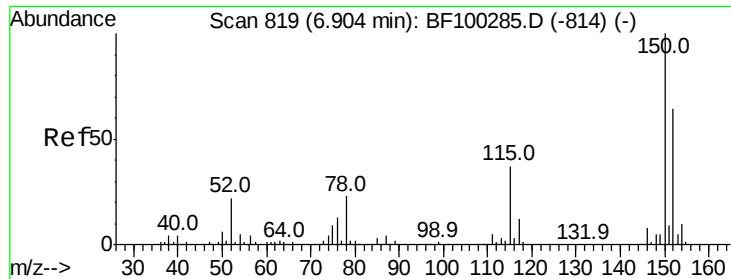
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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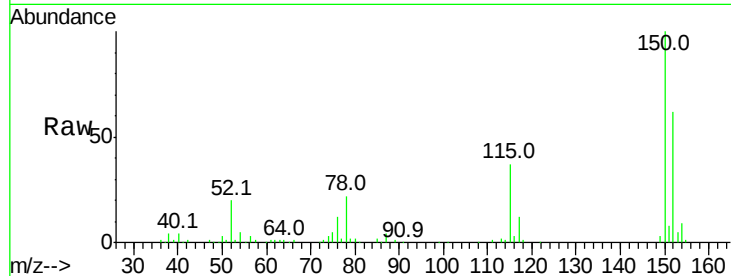


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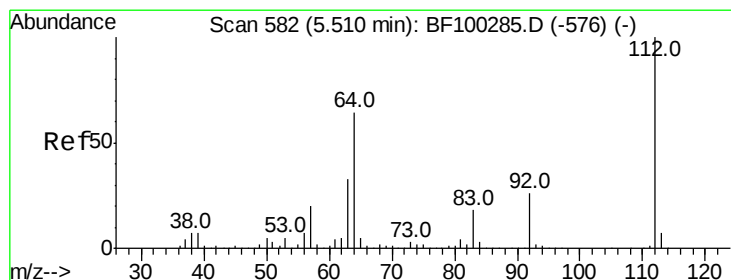
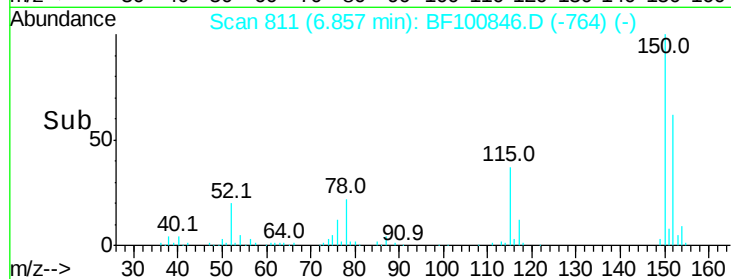
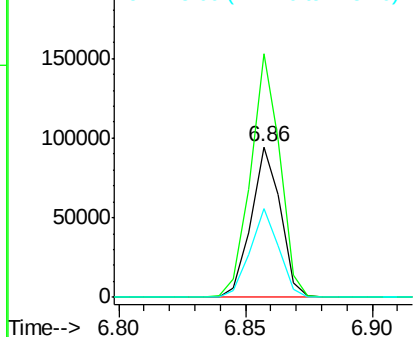
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76243
Ion Ratio Lower Upper
152 100
150 162.1 124.6 186.8
115 59.3 50.1 75.1



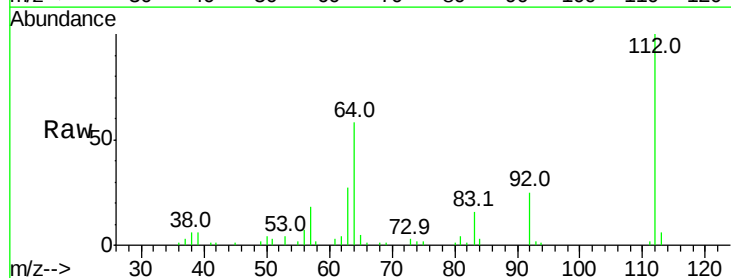
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



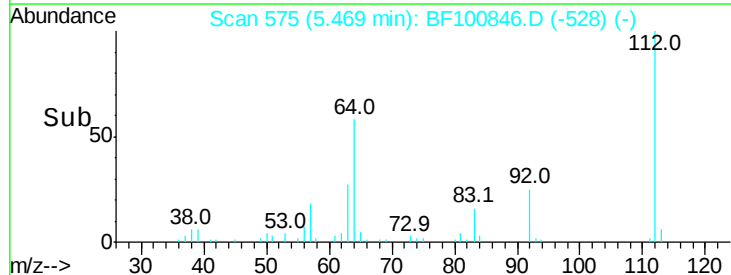
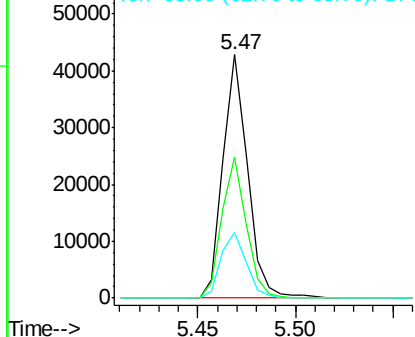
#5

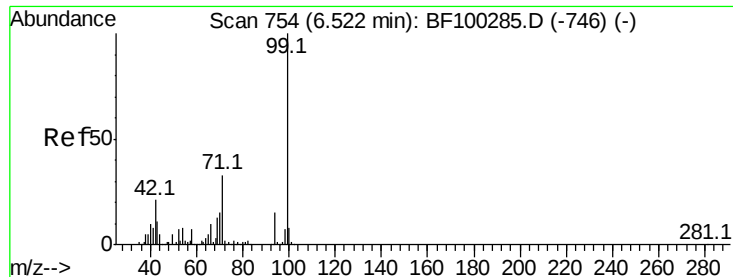
2-Fluorophenol
Concen: 7.936 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:112 Resp: 37744
Ion Ratio Lower Upper
112 100
64 57.9 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): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 7.863 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

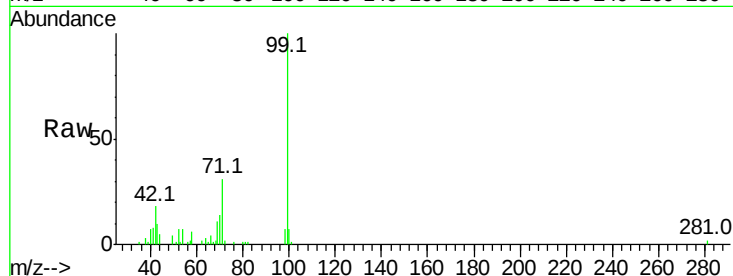
Tot Ion: 99 Resp: 46119

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

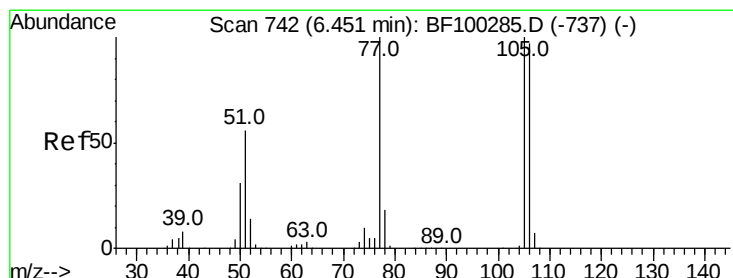
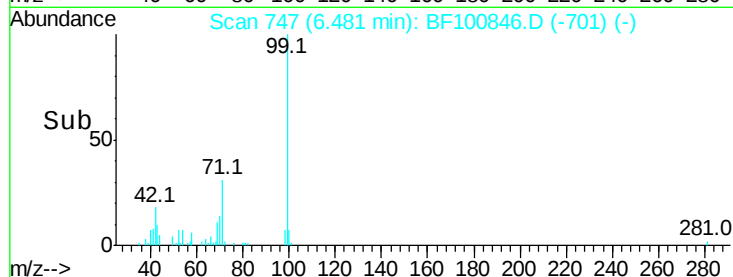
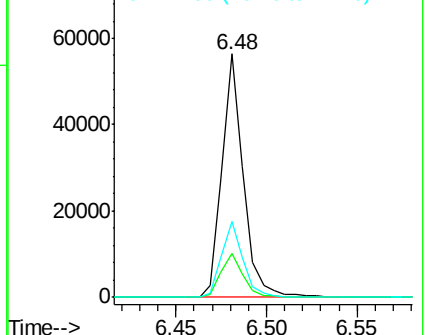
71 31.1 25.4 38.0



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: 0.161 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.19 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

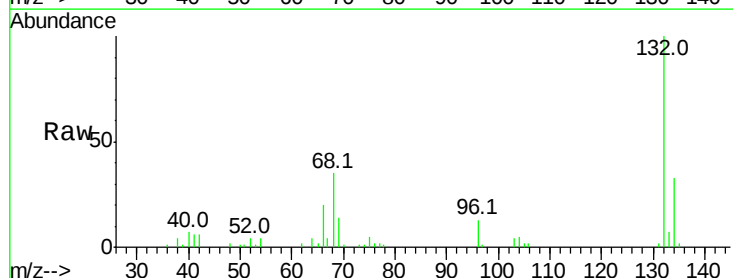
Tgt Ion: 77 Resp: 674

Ion Ratio Lower Upper

77 100

105 75.8 81.1 121.1#

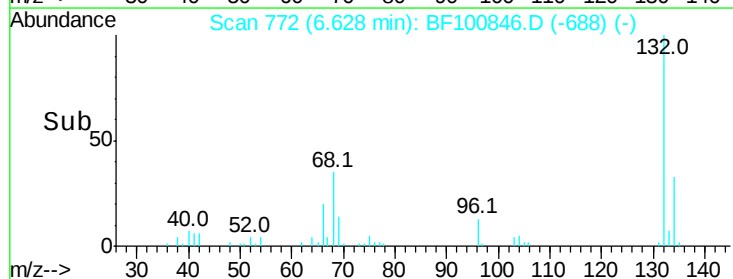
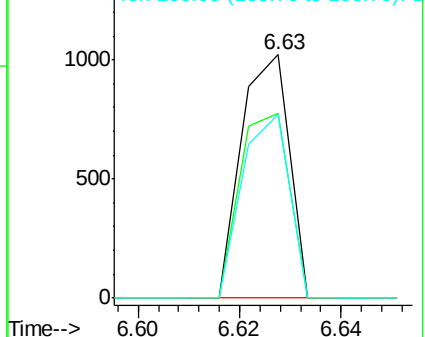
106 75.5 74.5 114.5

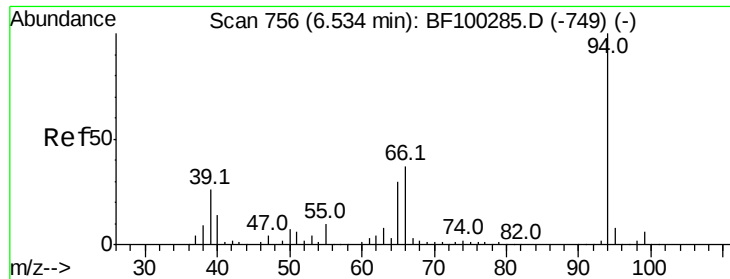


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 0.222 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampled :

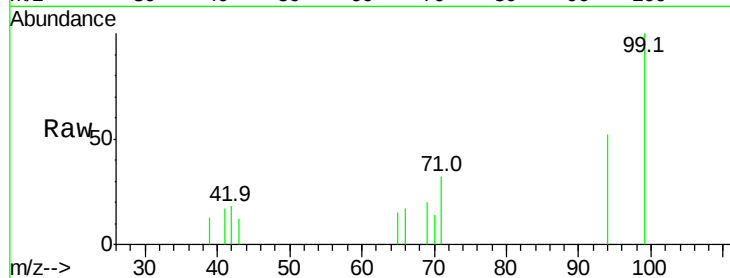
Tot Ion: 94 Resp: 1367

Ion Ratio Lower Upper

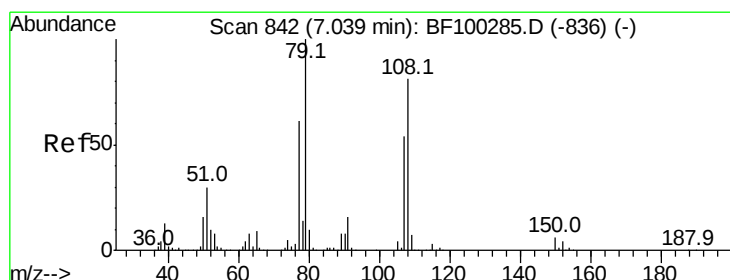
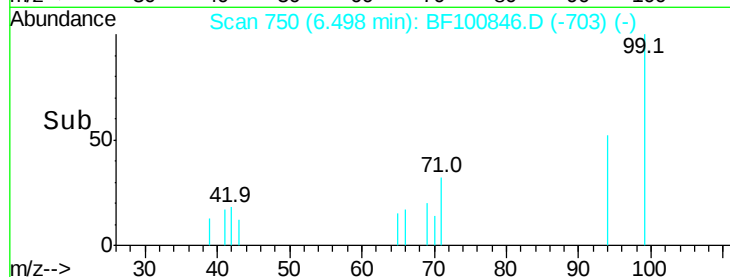
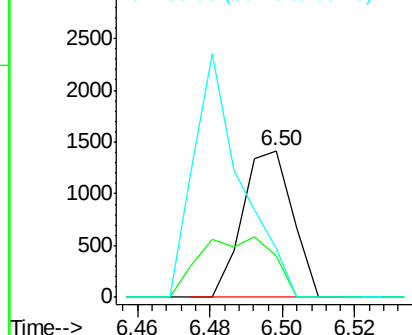
94 100

65 28.6 7.9 47.9

66 33.9 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



#15

Benzyl Alcohol

Concen: 0.107 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

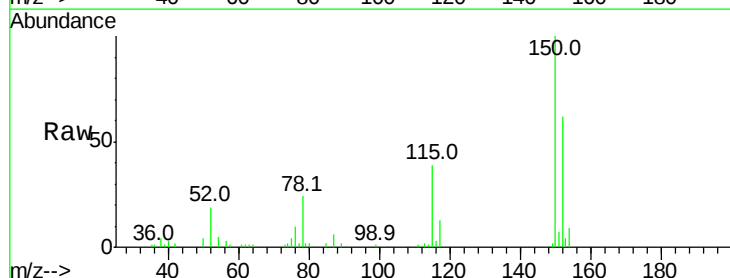
Tgt Ion: 79 Resp: 488

Ion Ratio Lower Upper

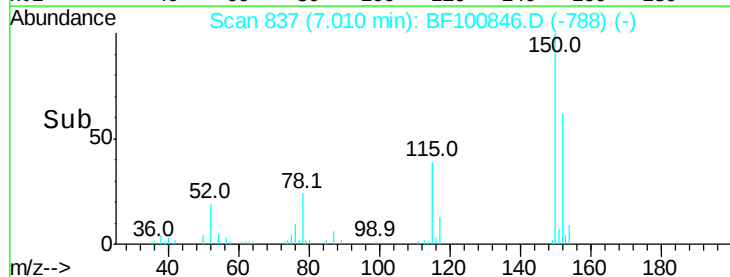
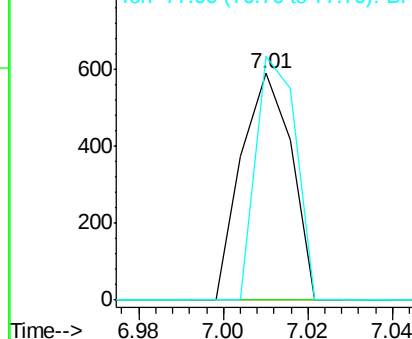
79 100

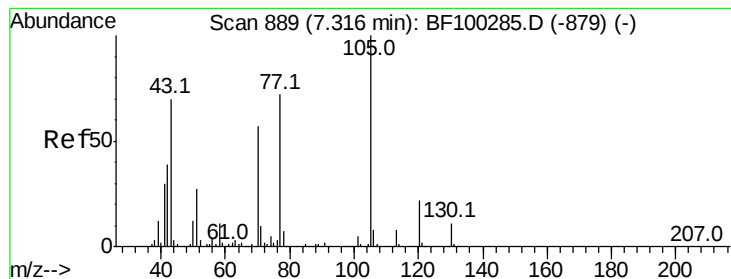
108 0.0 65.1 97.7#

77 107.5 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 0.892 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.12 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 3630

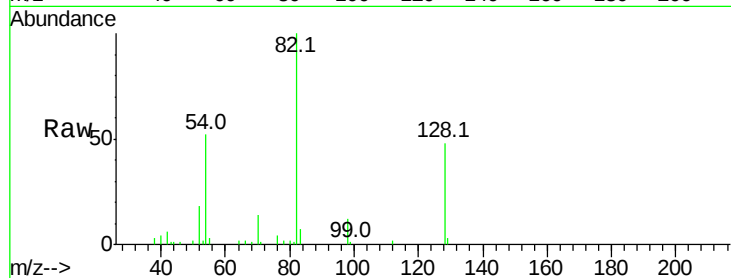
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

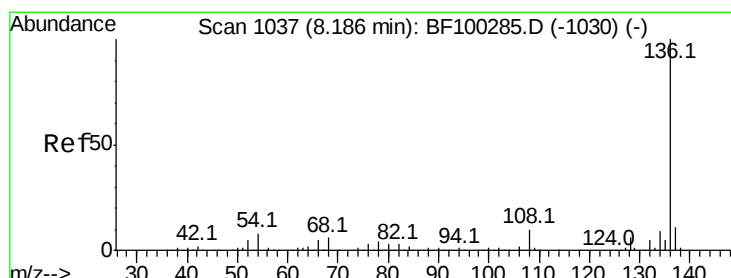
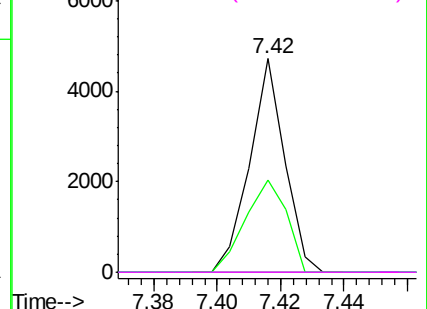
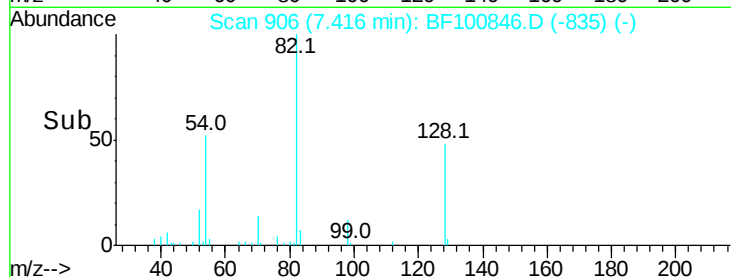


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Tgt Ion: 136 Resp: 296605

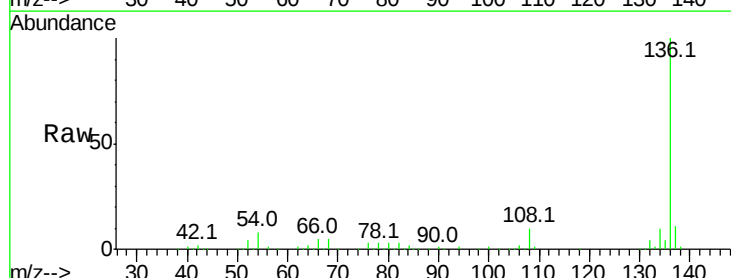
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.8 6.6 9.8

68 5.1 5.0 7.4

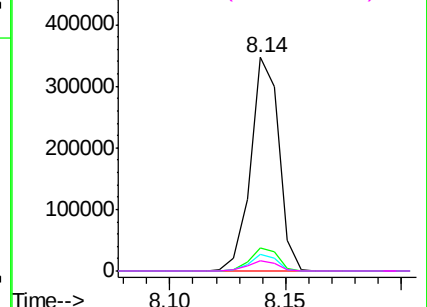
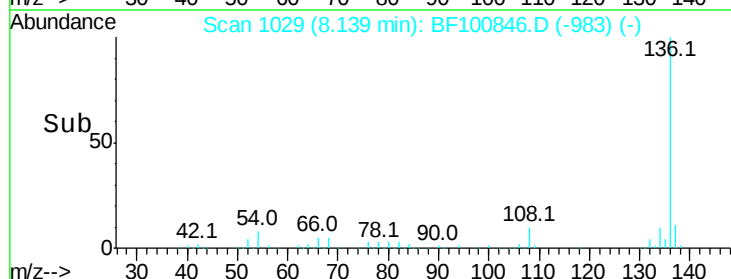


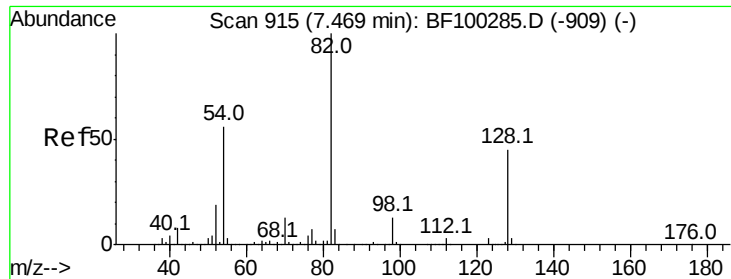
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

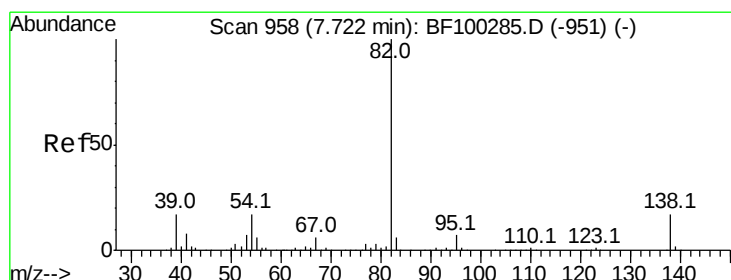
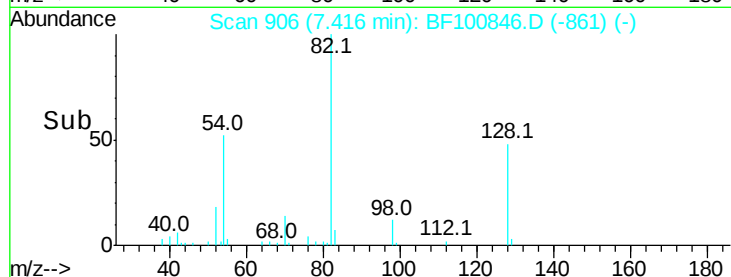
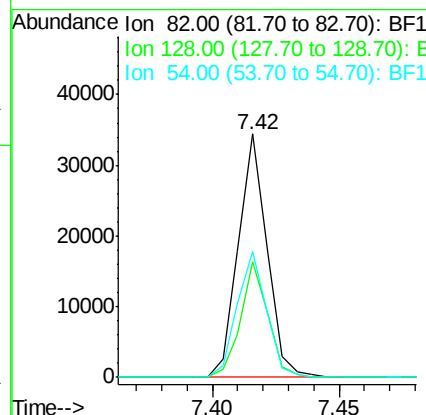
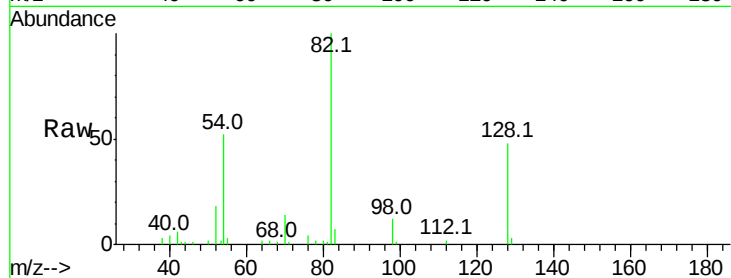




#23
 Nitrobenzene-d5
 Concen: 5.990 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.04 min
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 Acq: 23 Nov 2017 1:41

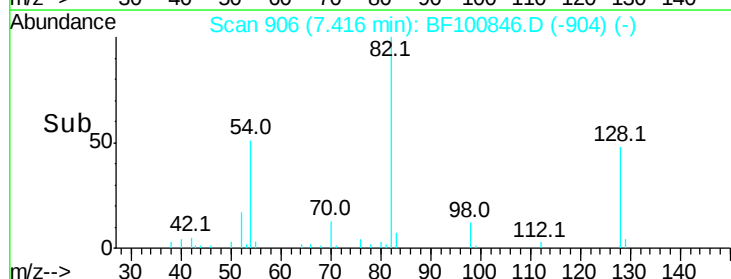
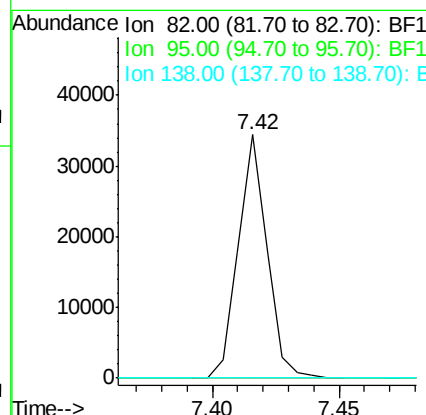
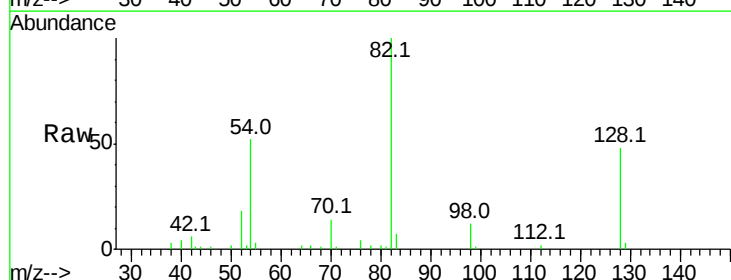
Instrument :
 BNA_F
 ClientSampleId :

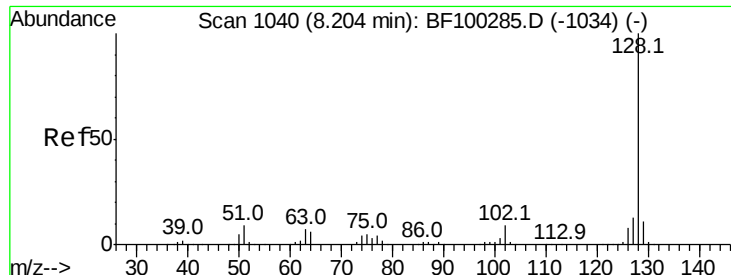
Tot Ion: 82 Resp: 26872
 Ion Ratio Lower Upper
 82 100
 128 47.6 36.1 54.1
 54 51.6 41.4 62.2



#25
 Isophorone
 Concen: 2.850 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.29 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Tgt Ion: 82 Resp: 26872
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

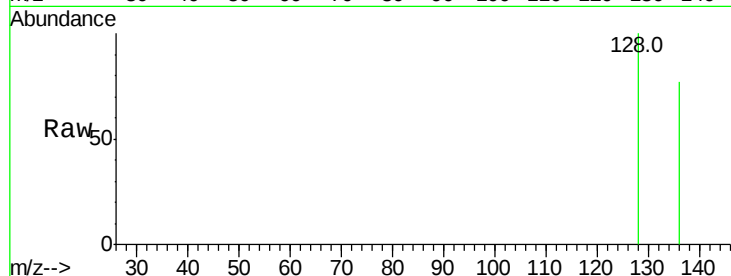




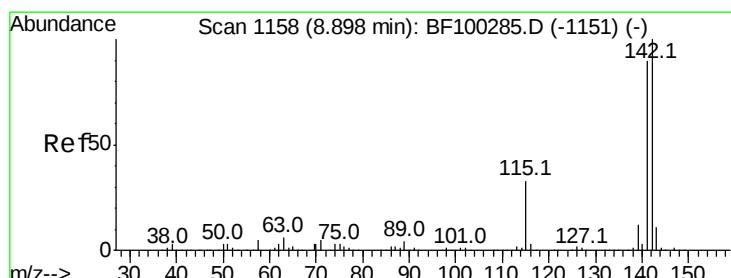
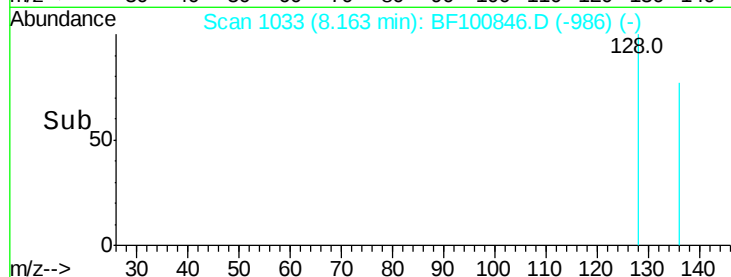
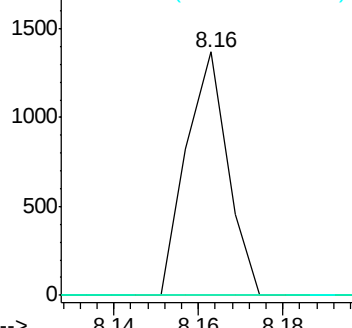
#31
Naphthalene
Concen: 0.065 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 934
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 10.9 16.3#

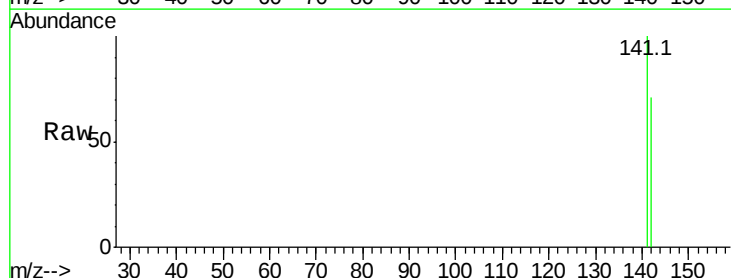


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

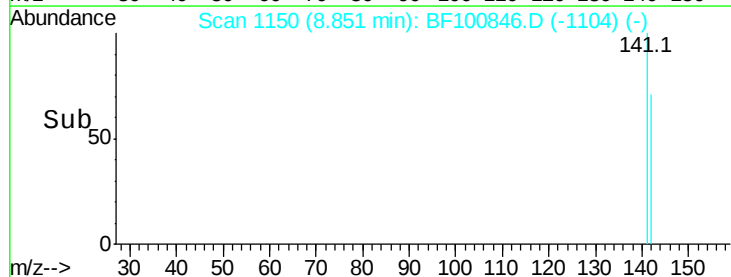
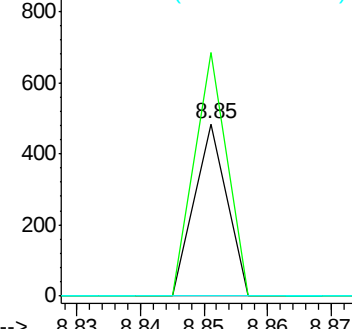


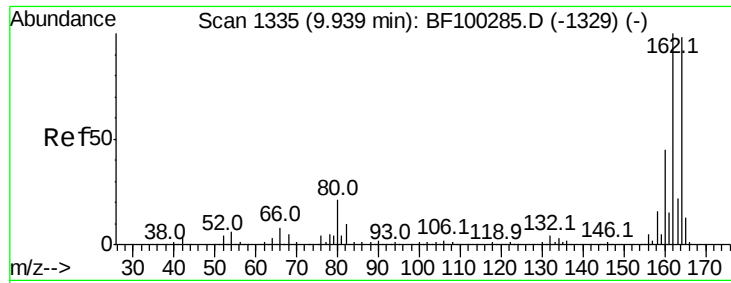
#37
2-Methylnaphthalene
Concen: 0.018 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:142 Resp: 171
Ion Ratio Lower Upper
142 100
141 141.2 70.8 106.2#
115 0.0 26.1 39.1#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

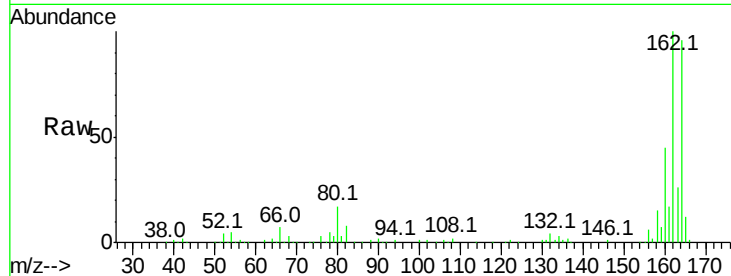




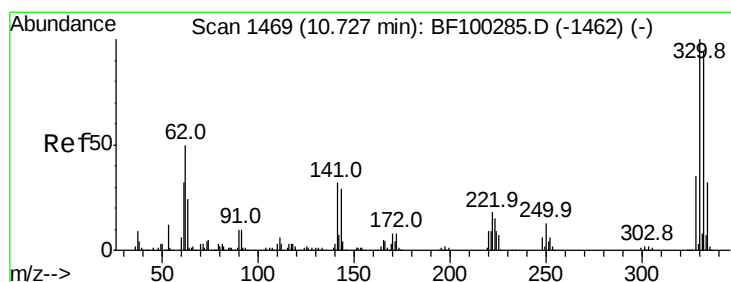
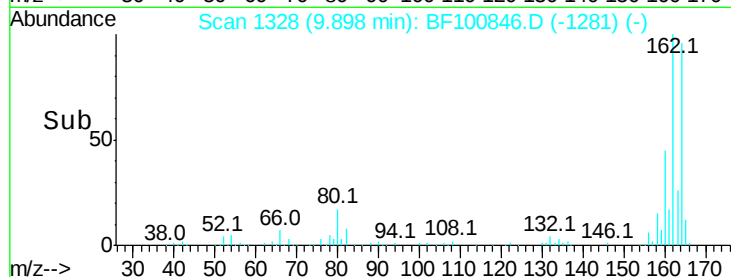
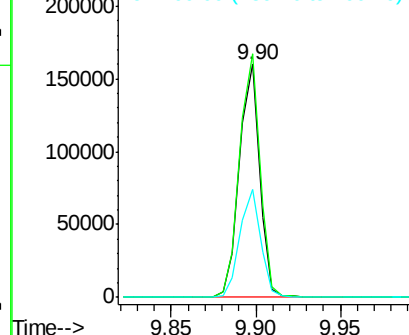
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 133122
Ion Ratio Lower Upper
164 100
162 104.5 86.1 129.1
160 46.6 38.3 57.5

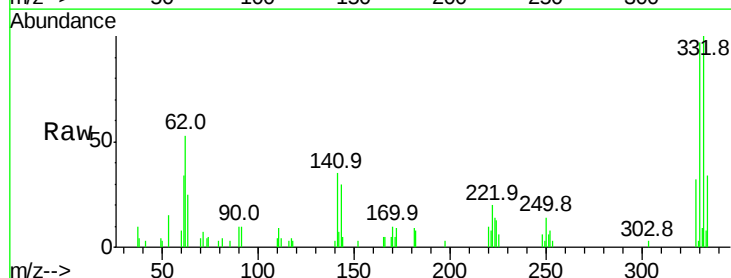


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

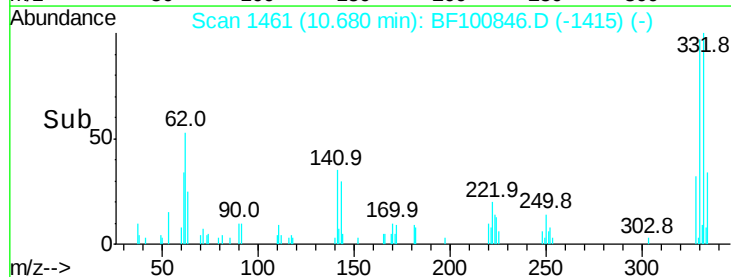
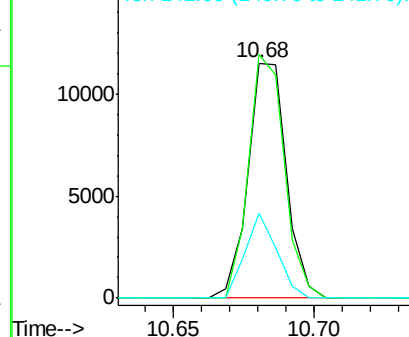


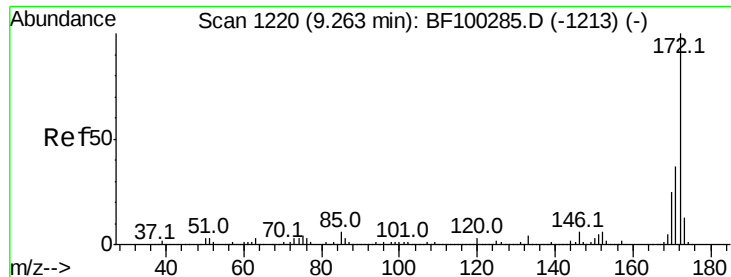
#41
2,4,6-Tribromophenol
Concen: 8.015 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:330 Resp: 10872
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 29.7 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

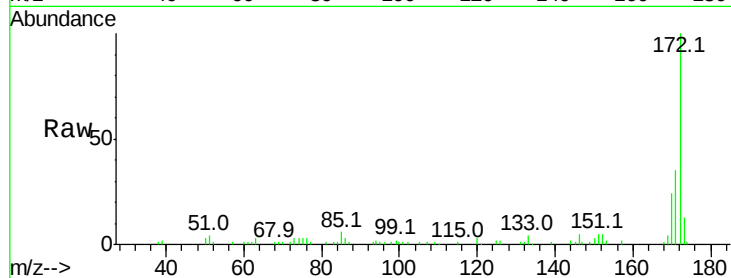




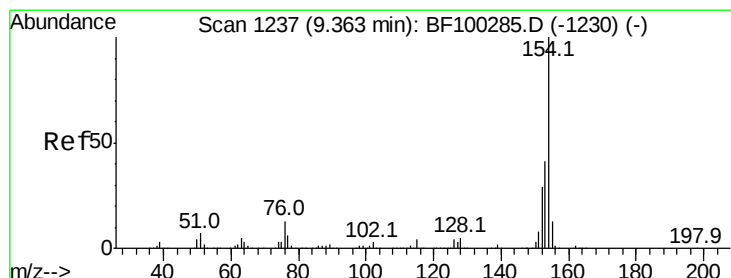
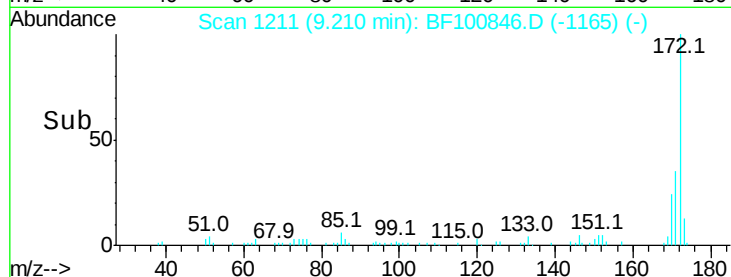
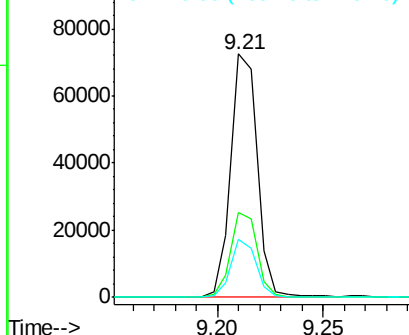
#44
 2-Fluorobiphenyl
 Concen: 7.201 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.03 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 62952
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 24.0 19.6 29.4

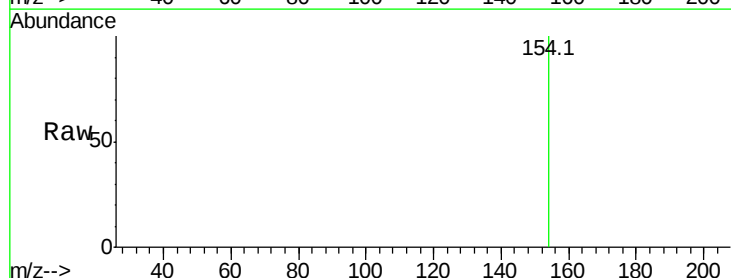


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

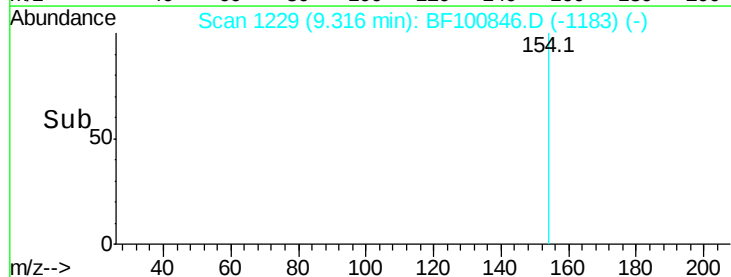
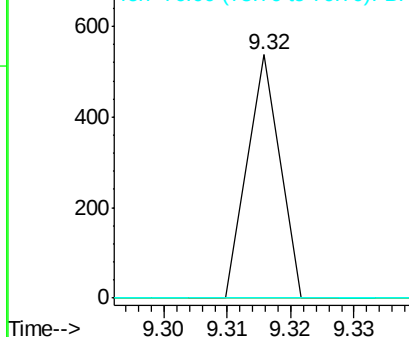


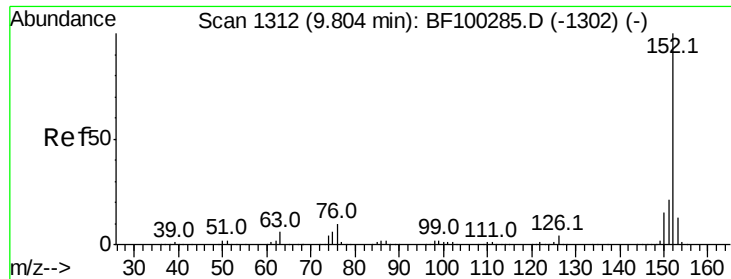
#45
 1,1'-Biphenyl
 Concen: 0.017 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Tgt Ion:154 Resp: 190
 Ion Ratio Lower Upper
 154 100
 153 0.0 21.3 61.3#
 76 0.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 0.216 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

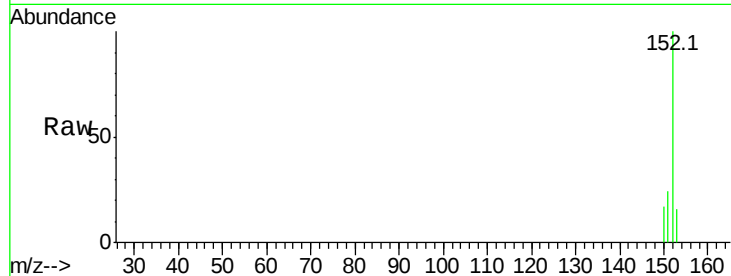
Tot Ion:152 Resp: 2984

Ion Ratio Lower Upper

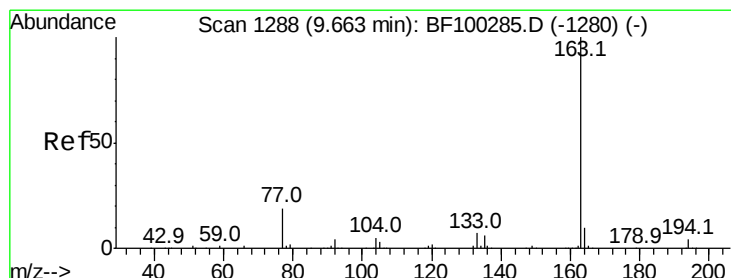
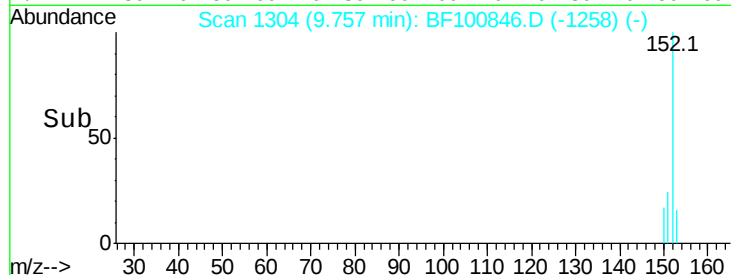
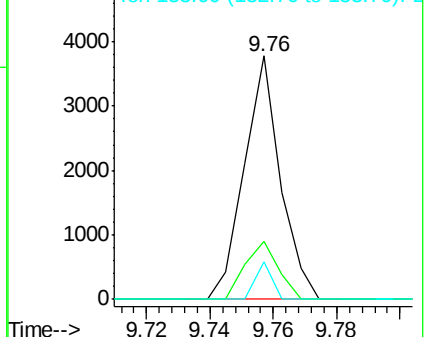
152 100

151 23.7 16.3 24.5

153 15.7 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.423 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.04 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

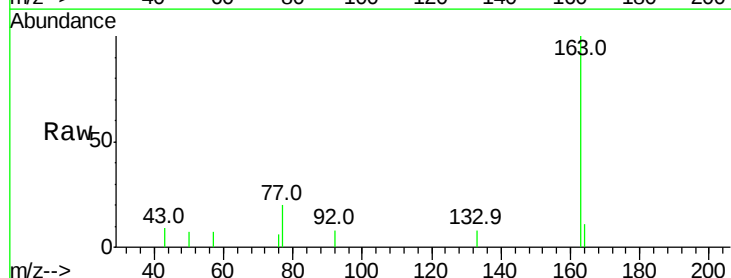
Tgt Ion:163 Resp: 4303

Ion Ratio Lower Upper

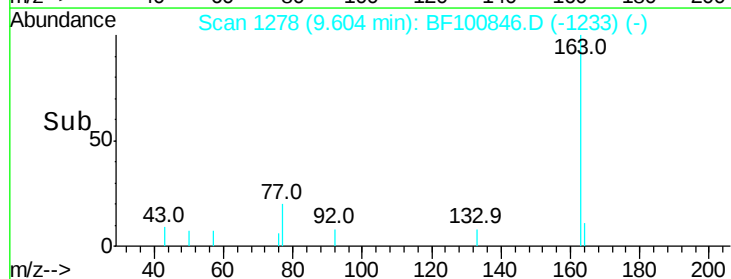
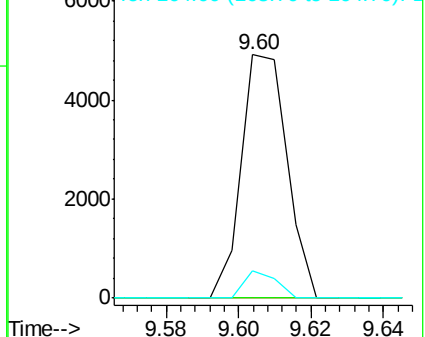
163 100

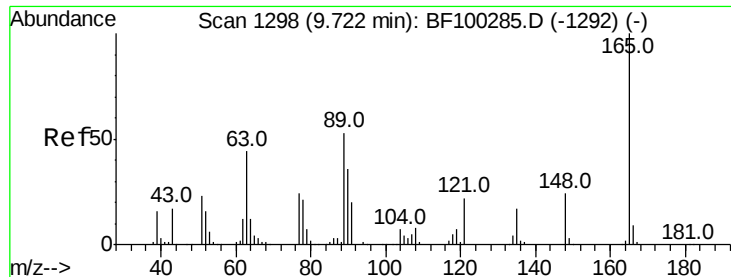
194 0.0 2.7 4.1#

164 11.2 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

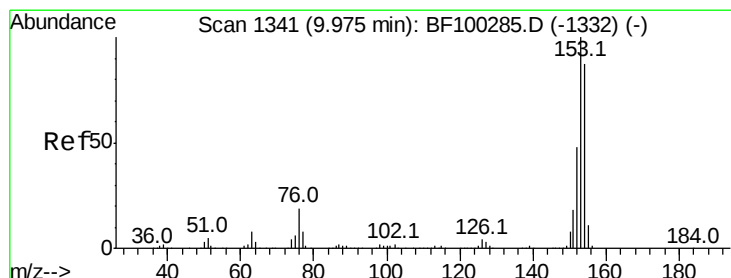
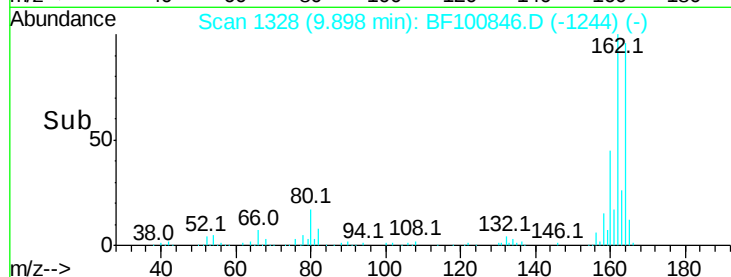
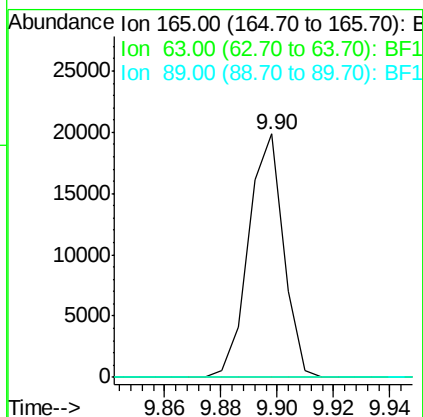
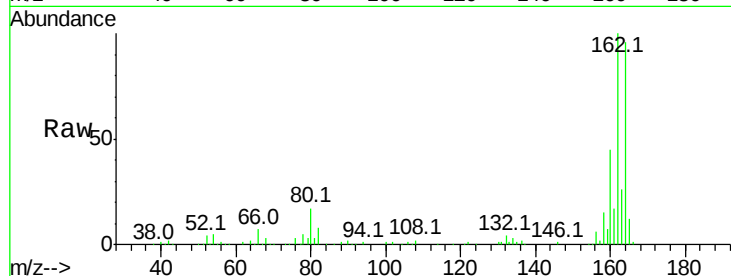




#50
 2,6-Dinitrotoluene
 Concen: 8.480 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.19 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

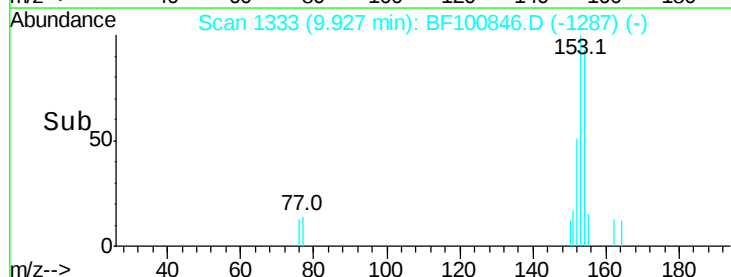
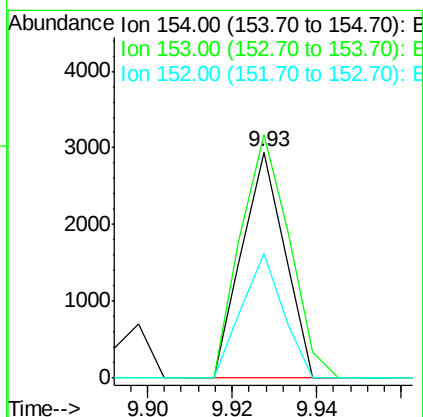
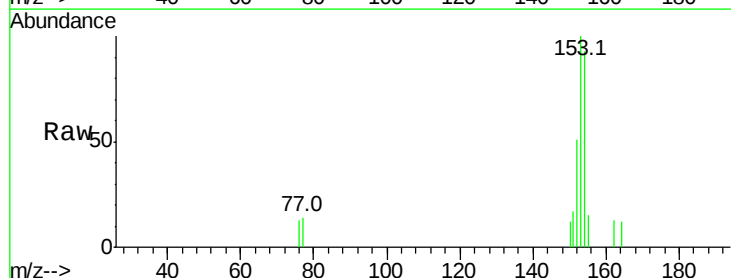
Instrument :
 BNA_F
 ClientSampleId :

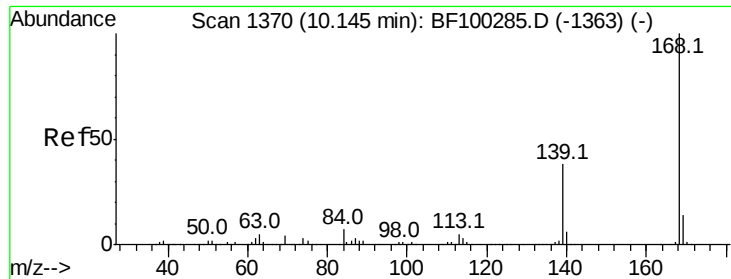
Tot Ion:165 Resp: 17062
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



#51
 Acenaphthene
 Concen: 0.247 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.03 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Tgt Ion:154 Resp: 2076
 Ion Ratio Lower Upper
 154 100
 153 107.7 91.2 136.8
 152 55.1 43.8 65.8





#54

Dibenzofuran

Concen: 0.099 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

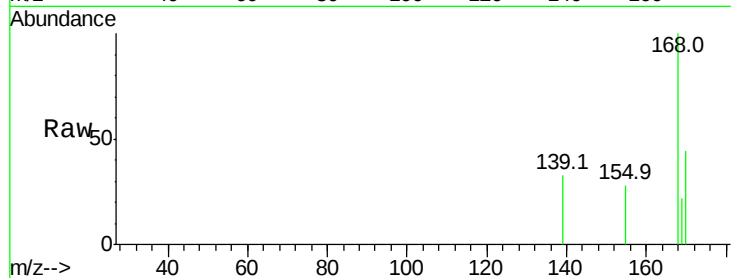
Tot Ion:168 Resp: 1169

Ion Ratio Lower Upper

168 100

139 32.7 30.1 45.1

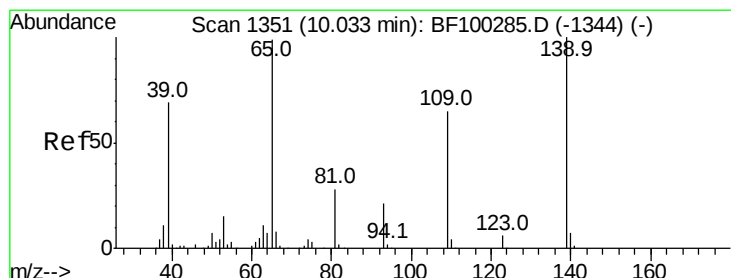
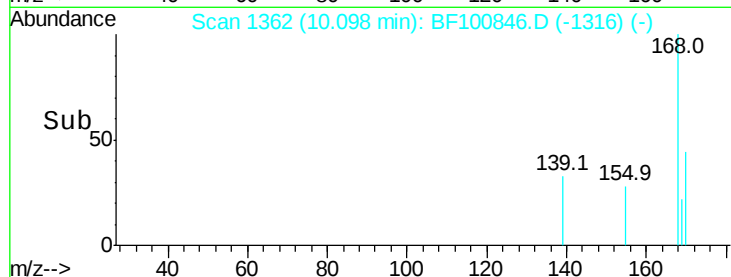
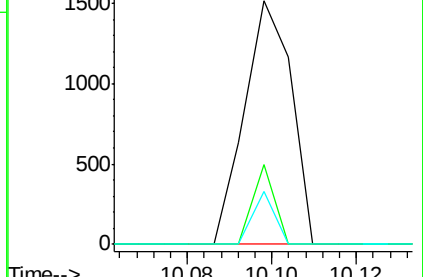
169 21.5 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 0.091 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.08 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

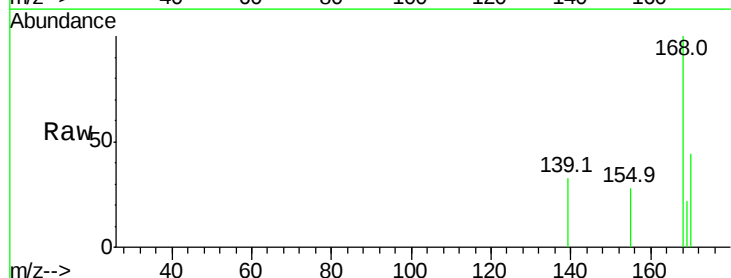
Tgt Ion:139 Resp: 175

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

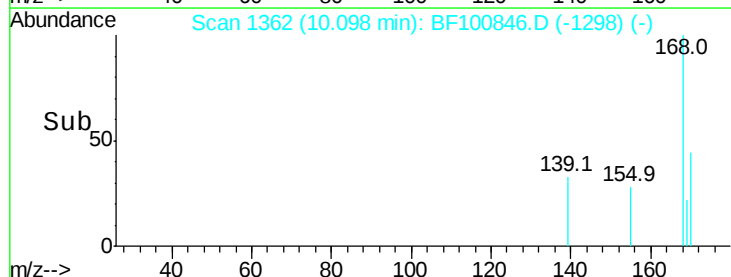
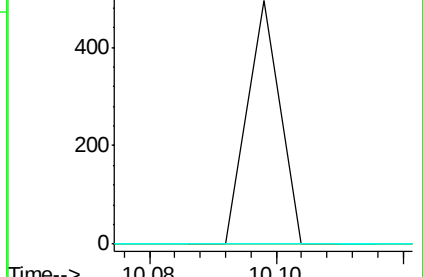
65 0.0 72.6 112.6#

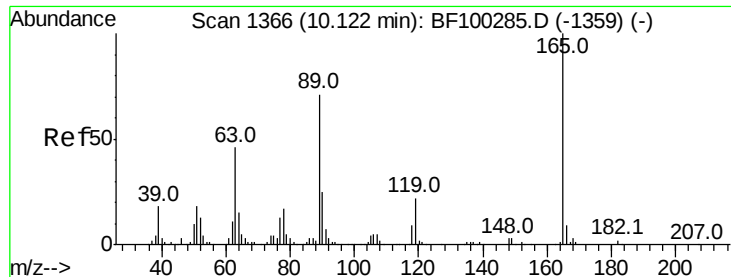


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

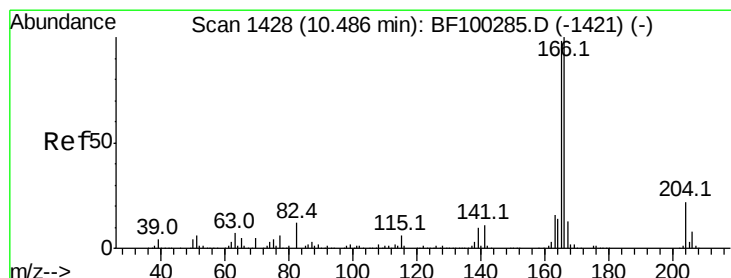
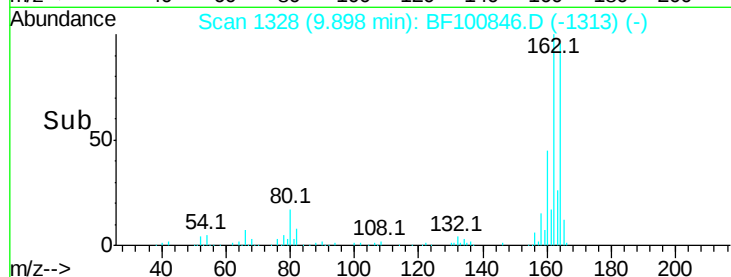
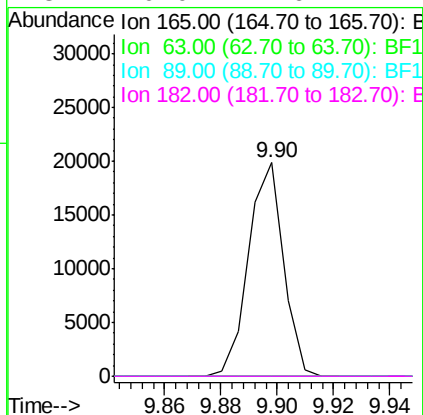
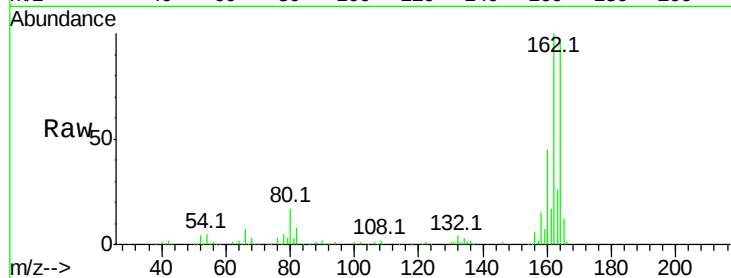




#56
2,4-Dinitrotoluene
Concen: 6.722 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.21 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

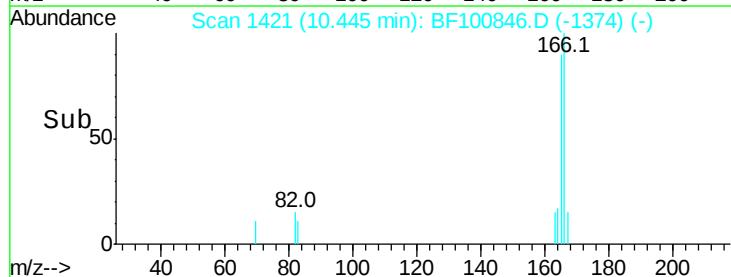
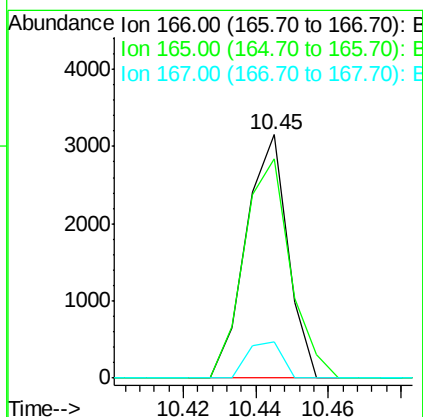
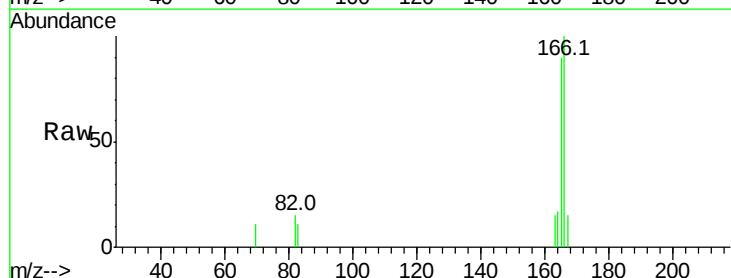
Instrument :
BNA_F
ClientSampleId :

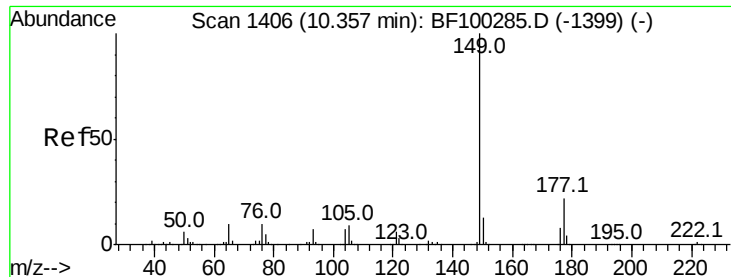
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 0.294 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	79.8	119.8
167	14.9	10.6	16.0

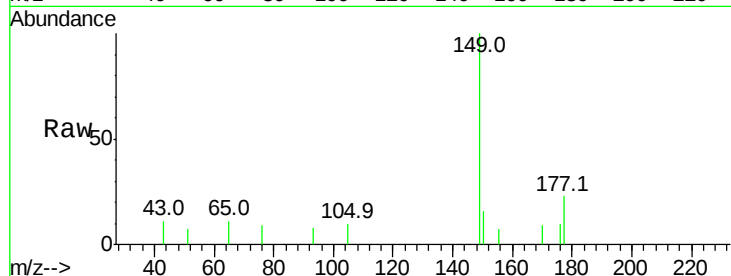




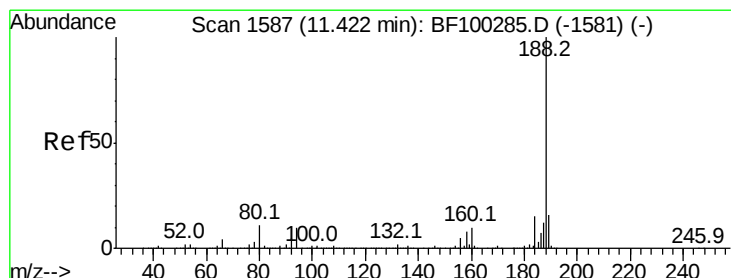
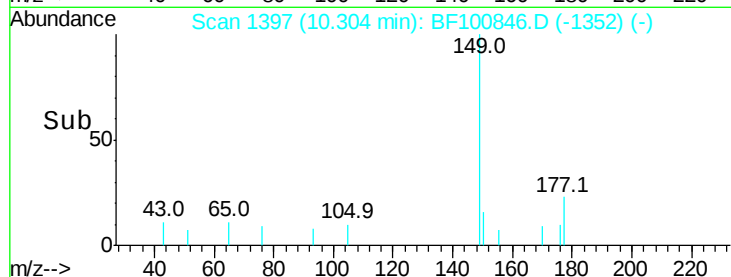
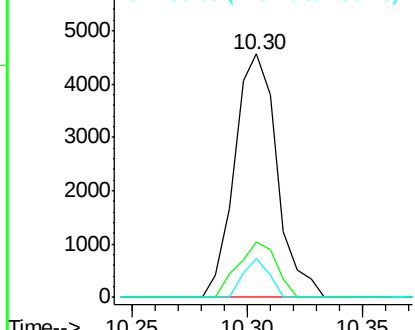
#59
Diethylphthalate
Concen: 0.576 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.04 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 5854
Ion Ratio Lower Upper
149 100
177 22.9 16.1 24.1
150 16.0 10.1 15.1#

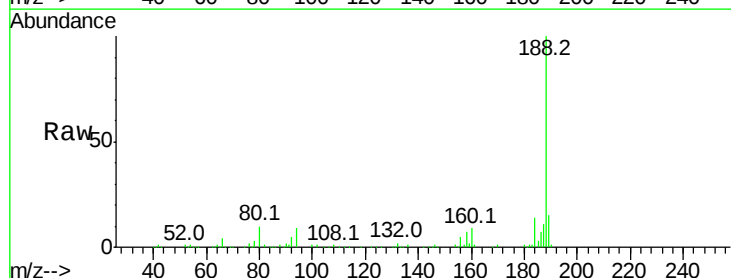


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

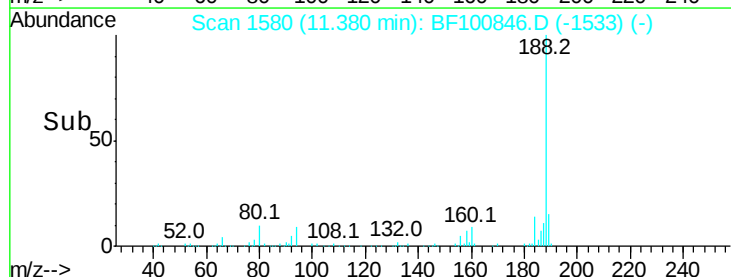
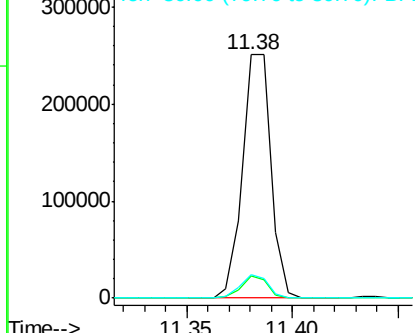


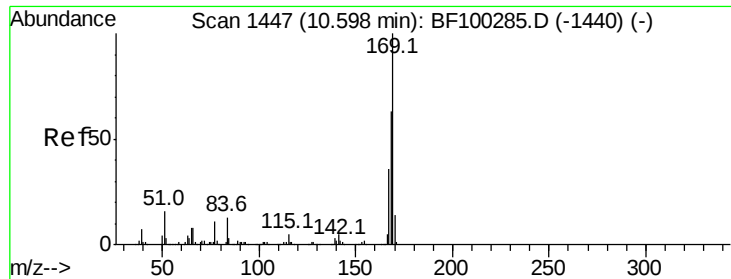
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:188 Resp: 235128
Ion Ratio Lower Upper
188 100
94 9.1 8.5 12.7
80 9.7 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

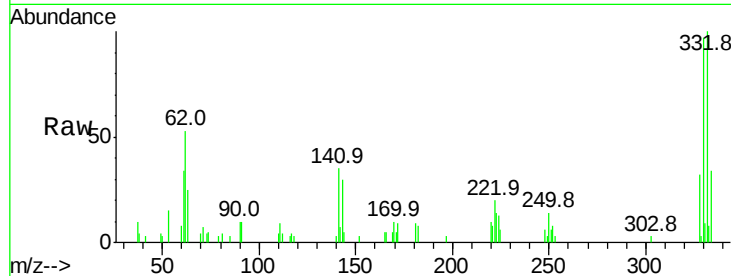




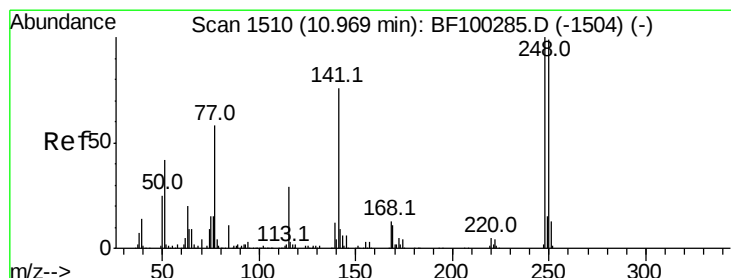
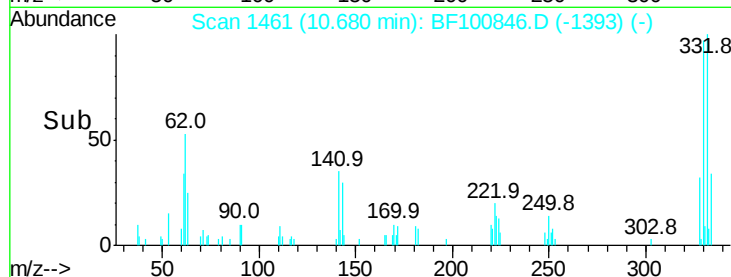
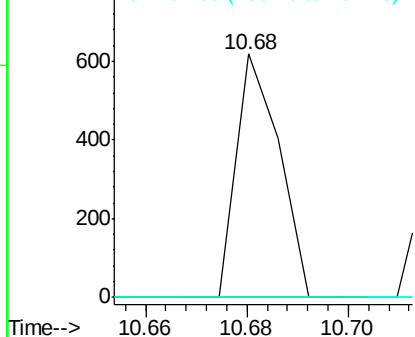
#65
n-Nitrosodiphenylamine
Concen: 0.044 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.10 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:169 Resp: 361
Ion Ratio Lower Upper
169 100
168 0.0 54.4 81.6#
167 0.0 29.8 44.6#

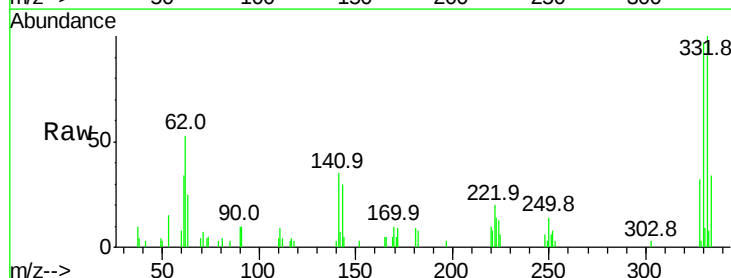


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

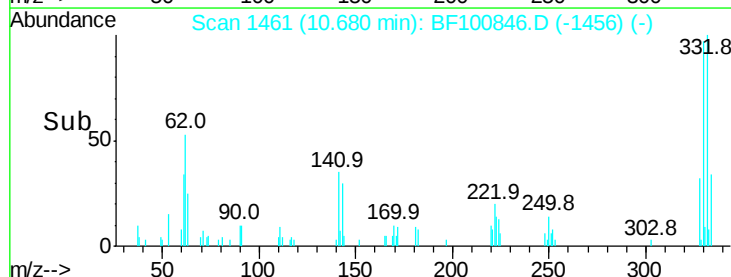
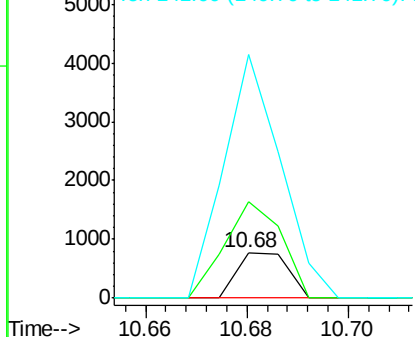


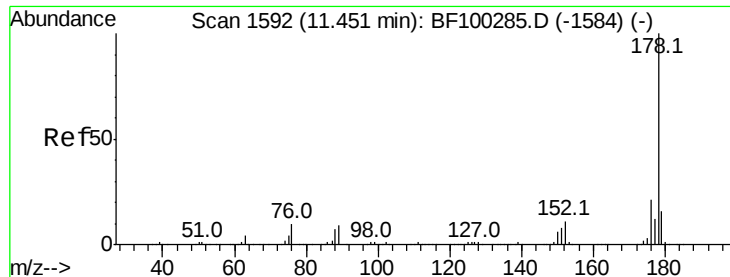
#66
4-Bromophenyl-phenylether
Concen: 0.211 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.27 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:248 Resp: 533
Ion Ratio Lower Upper
248 100
250 212.4 76.9 115.3#
141 538.5 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: 4.070 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

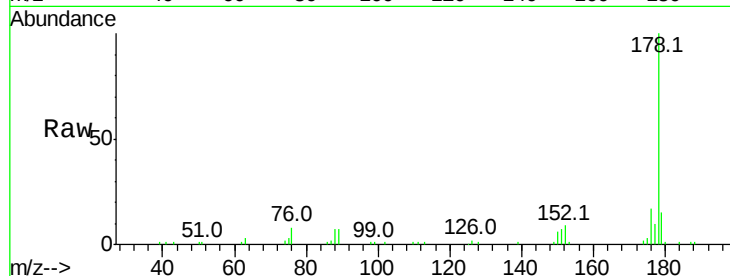
Tot Ion:178 Resp: 50391

Ion Ratio Lower Upper

178 100

176 16.6 15.8 23.8

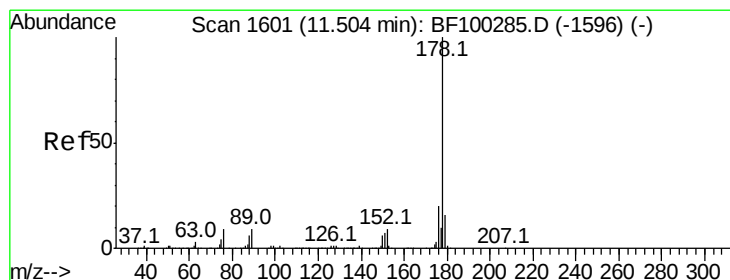
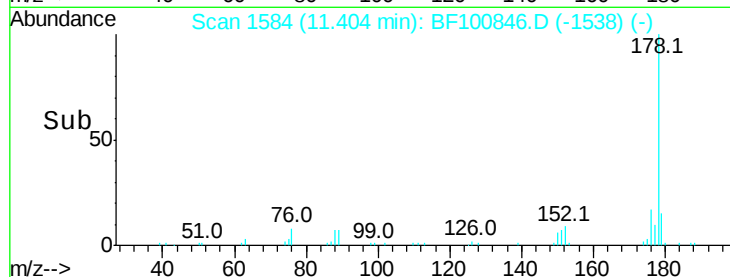
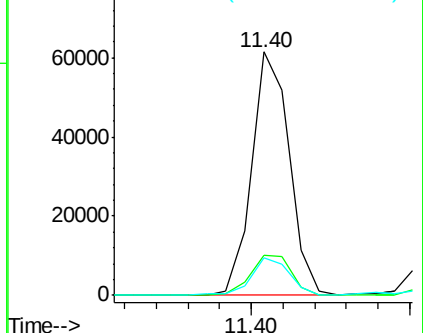
179 15.5 13.0 19.6



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: 0.958 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

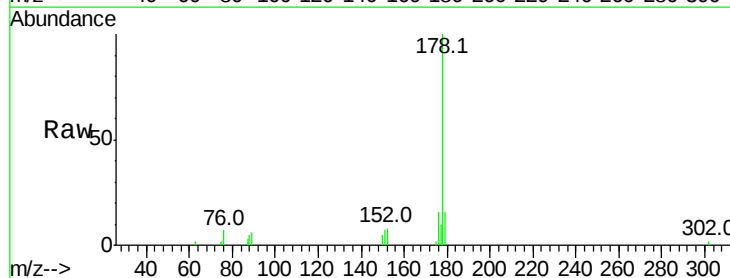
Tgt Ion:178 Resp: 12036

Ion Ratio Lower Upper

178 100

176 16.3 15.4 23.2

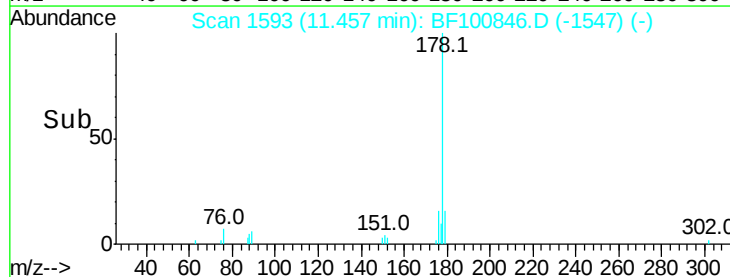
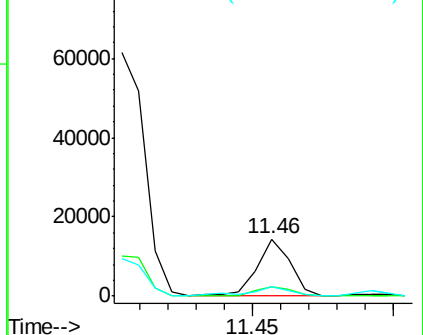
179 16.3 12.6 19.0

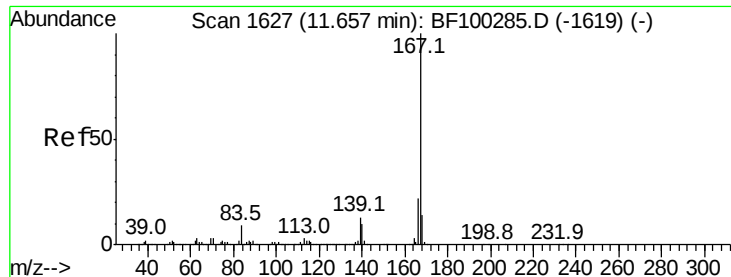


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.229 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

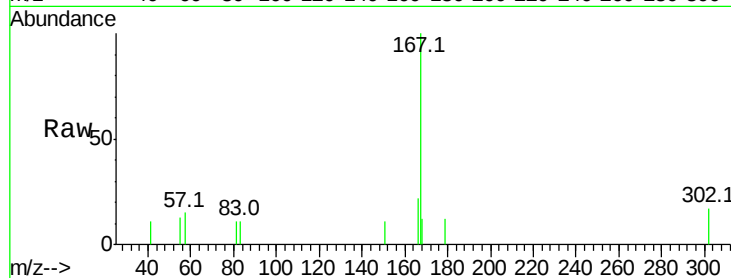
Tot Ion:167 Resp: 2655

Ion Ratio Lower Upper

167 100

166 21.7 17.6 26.4

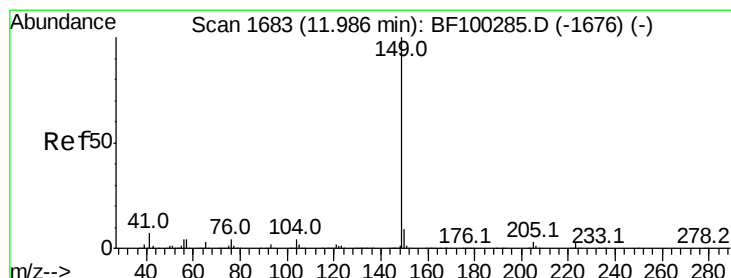
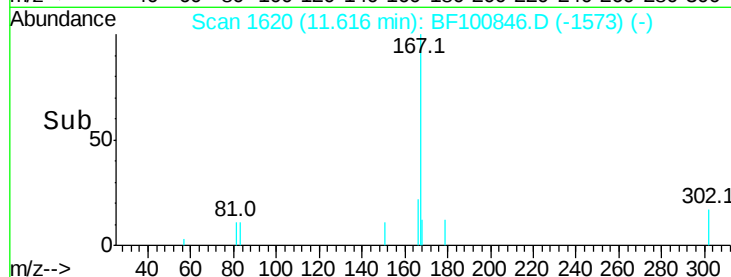
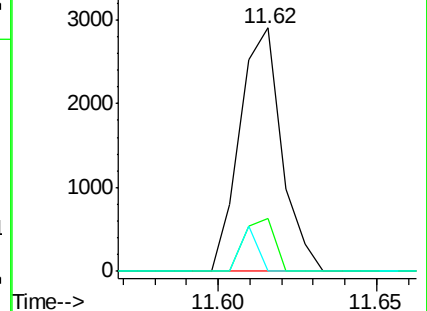
139 0.0 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.142 ng

RT: 11.93 min Scan# 1674

Delta R.T. -0.03 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

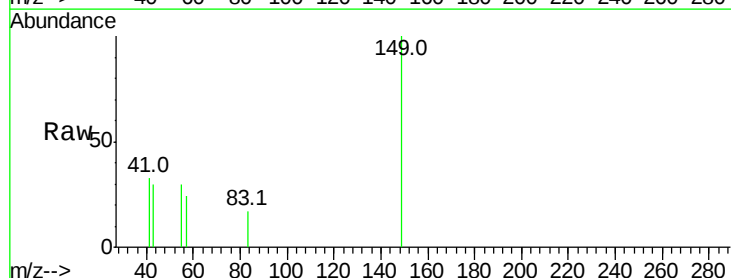
Tgt Ion:149 Resp: 1921

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

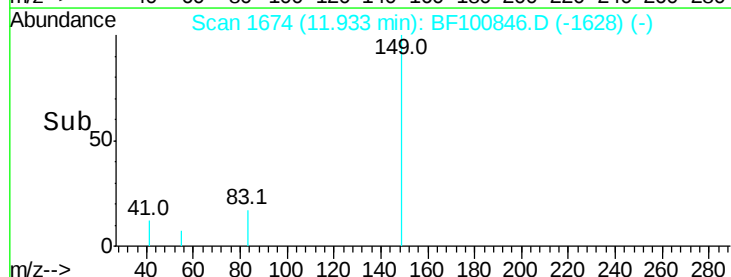
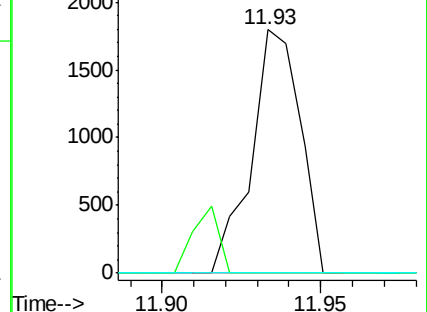
104 0.0 3.8 5.8#

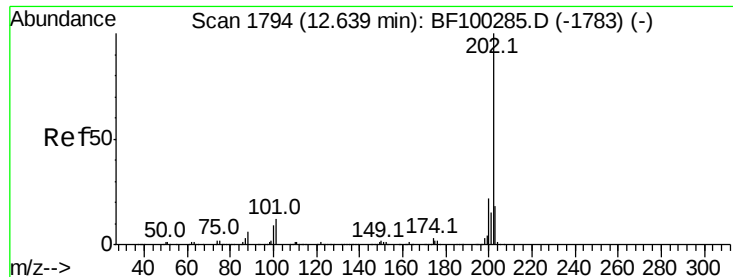


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 6.097 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

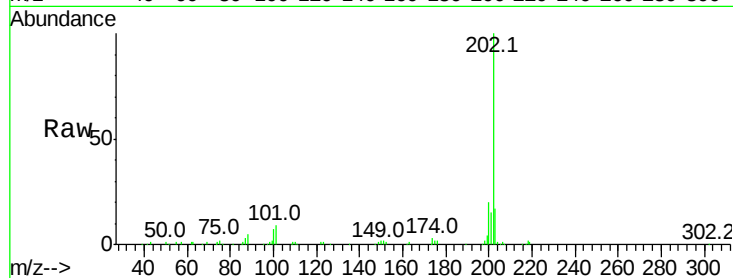
Tot Ion:202 Resp: 79998

Ion Ratio Lower Upper

202 100

101 9.1 0.0 34.1

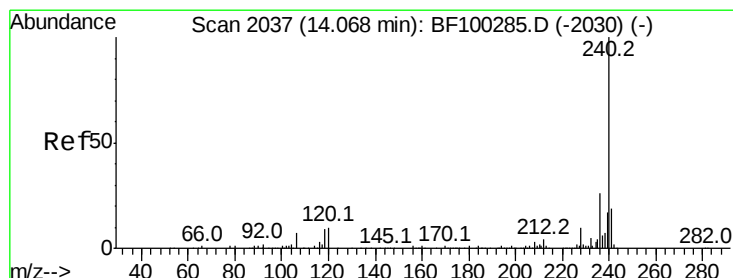
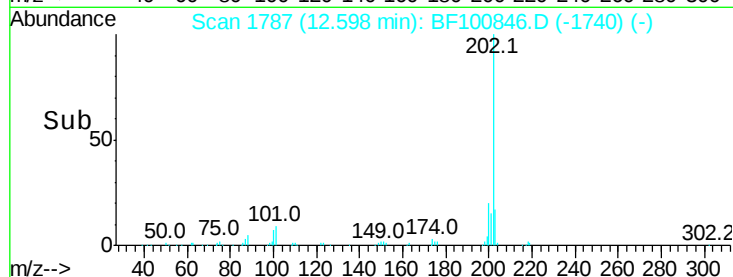
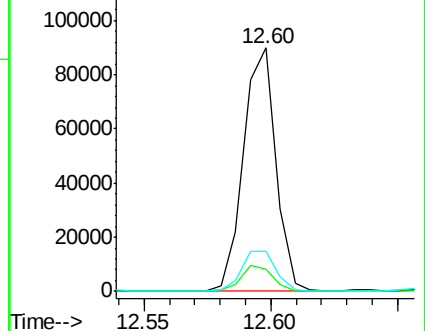
203 16.6 0.0 38.1



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: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

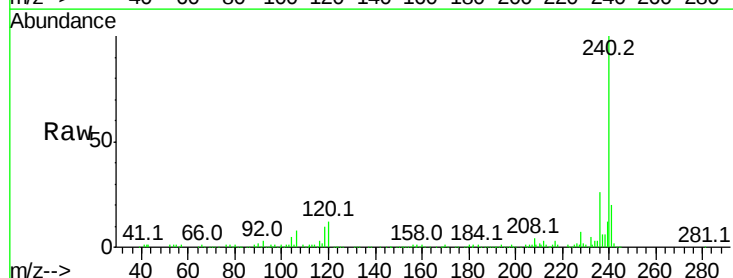
Tgt Ion:240 Resp: 147828

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

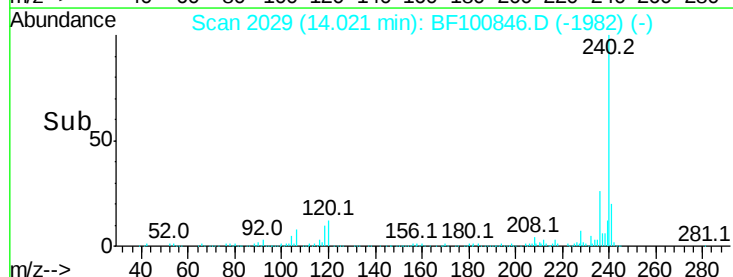
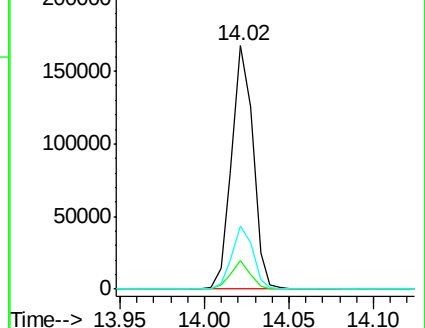
236 25.7 20.7 31.1

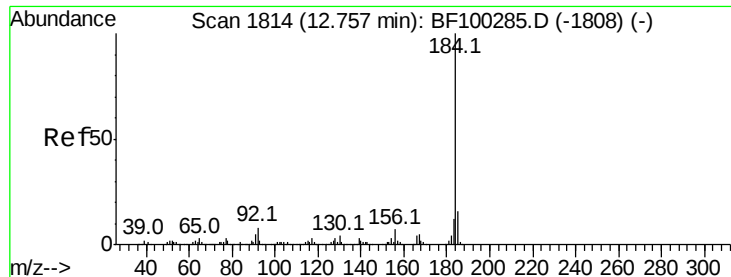


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

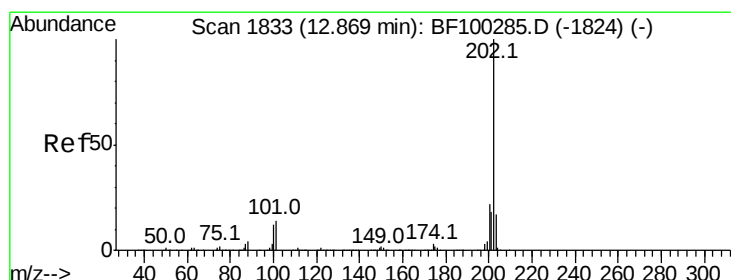
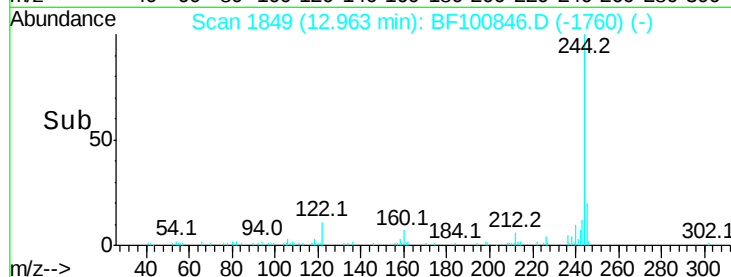
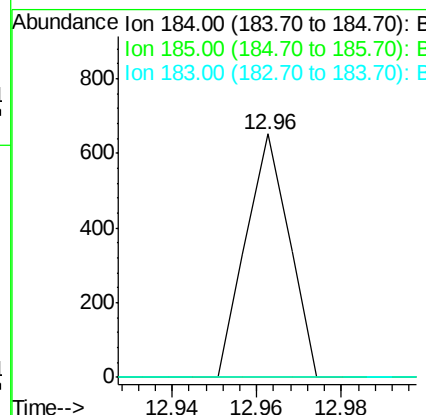
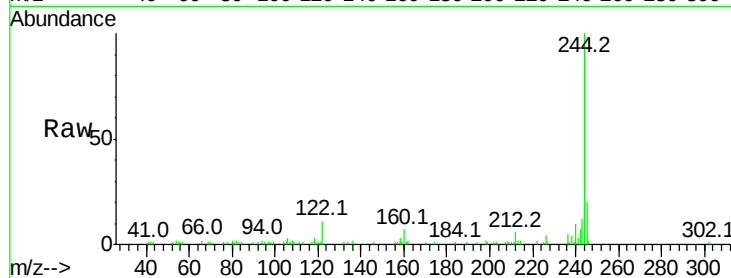




#76
Benzidine
Concen: 0.079 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.22 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

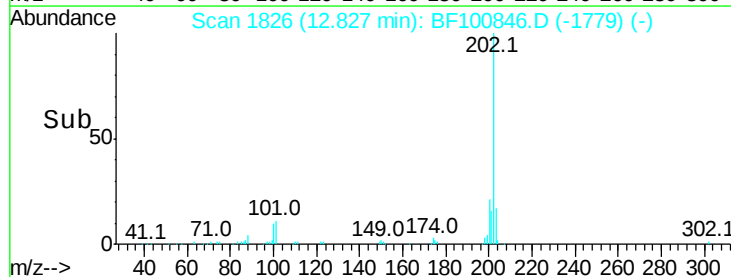
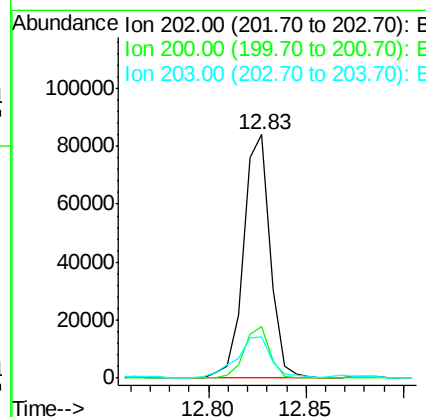
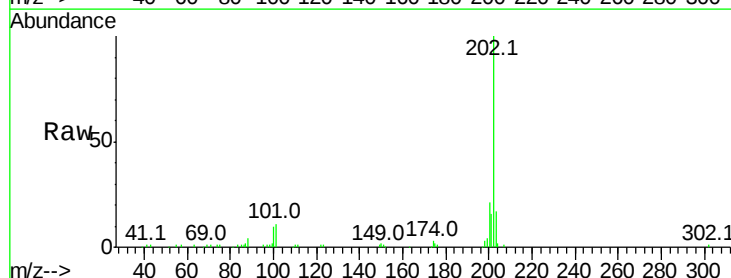
Instrument :
BNA_F
ClientSampleId :

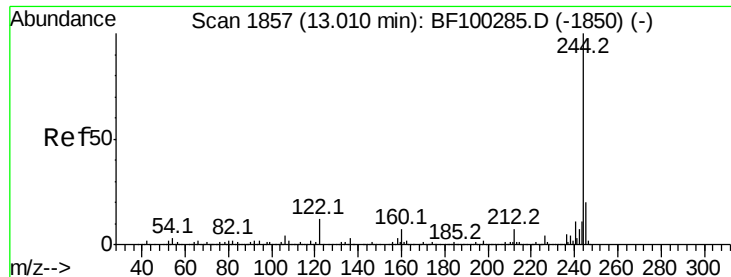
Tot Ion:184 Resp: 465
Ion Ratio Lower Upper
184 100
185 0.0 12.6 18.8#
183 0.0 9.3 13.9#



#77
Pyrene
Concen: 7.534 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:202 Resp: 79395
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.1 14.3 21.5





#78

Terphenyl-d14

Concen: 6.800 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

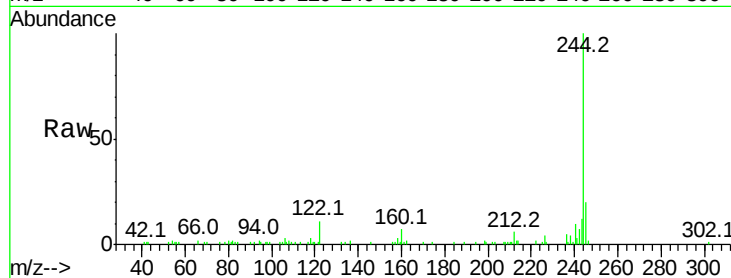
Tot Ion:244 Resp: 43750

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

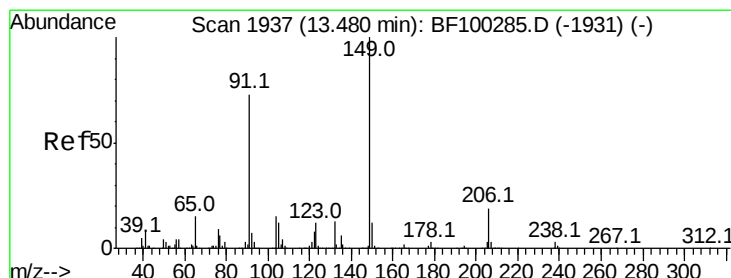
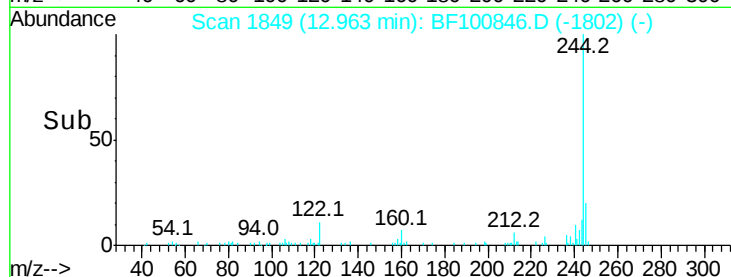
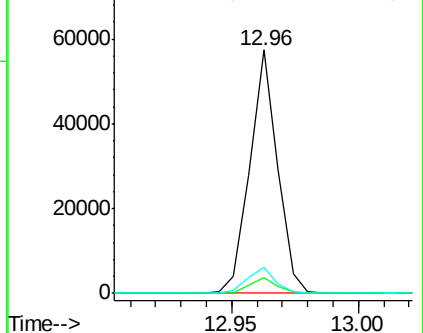
122 10.9 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 0.080 ng

RT: 13.44 min Scan# 1930

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

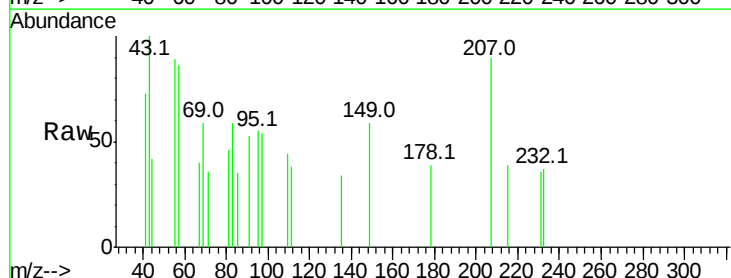
Tgt Ion:149 Resp: 345

Ion Ratio Lower Upper

149 100

91 90.7 56.8 85.2#

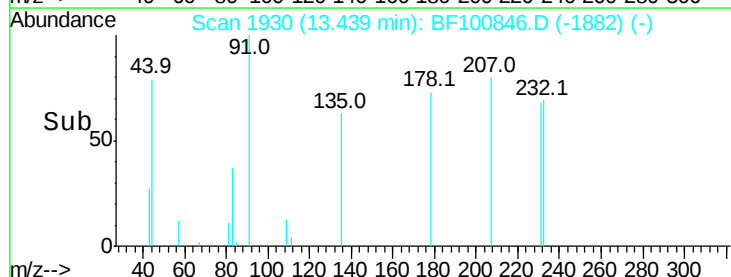
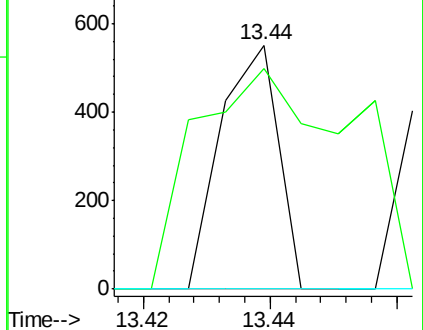
206 0.0 14.1 21.1#

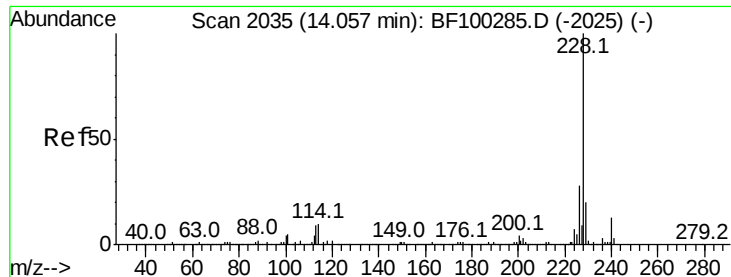


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 4.016 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

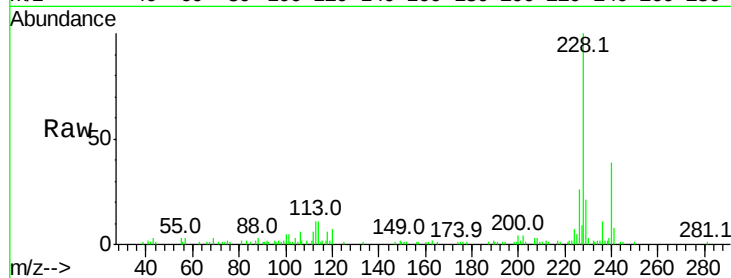
Instrument :

BNA_F

ClientSampled :

Tot Ion:228 Resp: 35749

Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	20.8	15.8	23.6

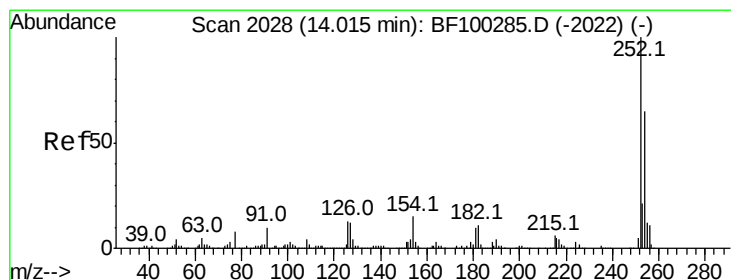
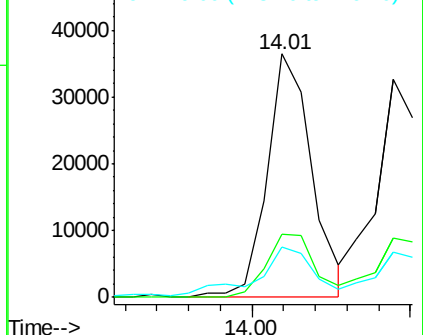
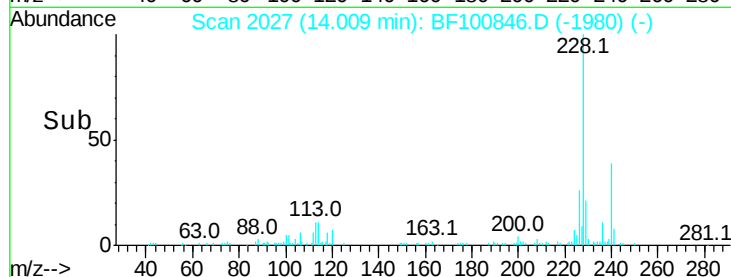


Abundance

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



#81

3,3'-Dichlorobenzidine

Concen: 0.083 ng

RT: 14.06 min Scan# 2035

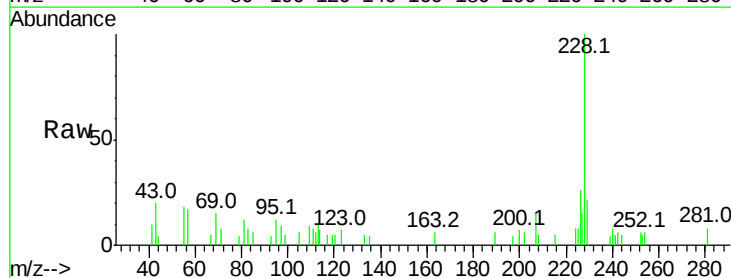
Delta R.T. 0.06 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Tgt Ion:252 Resp: 264

Ion	Ratio	Lower	Upper
252	100		
254	110.8	50.4	75.6#
126	0.0	11.3	16.9#

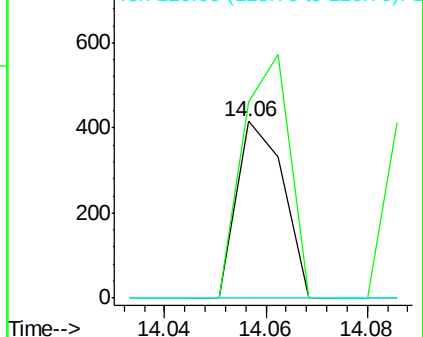
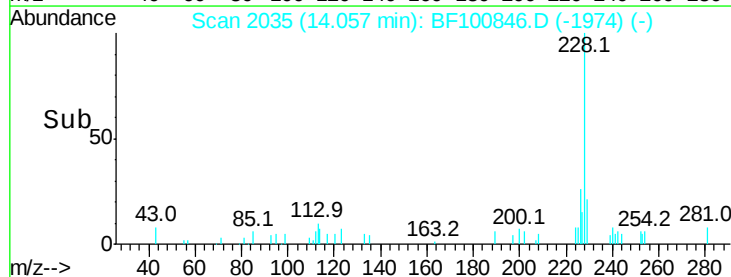


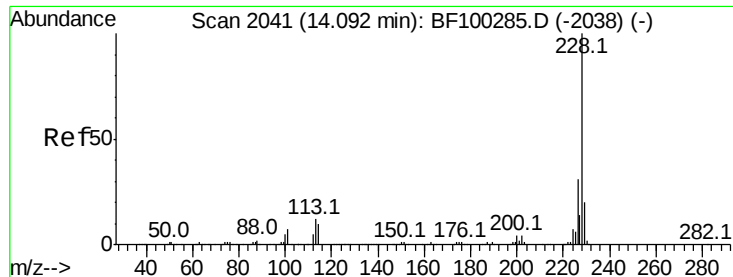
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

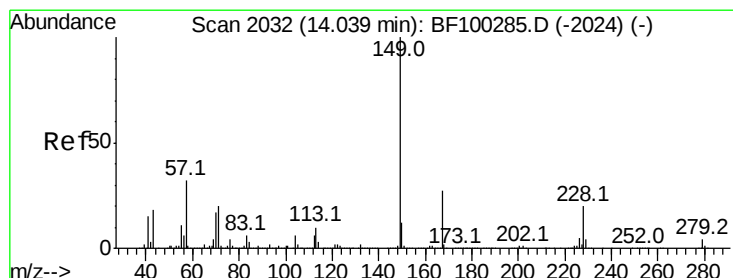
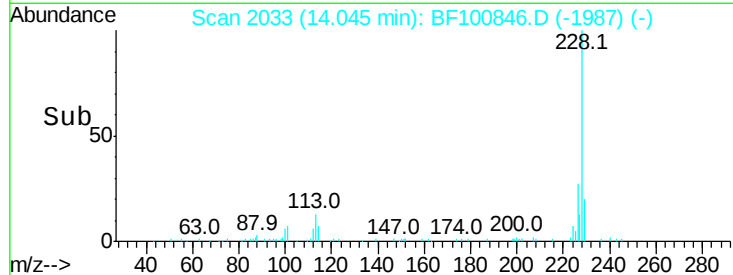
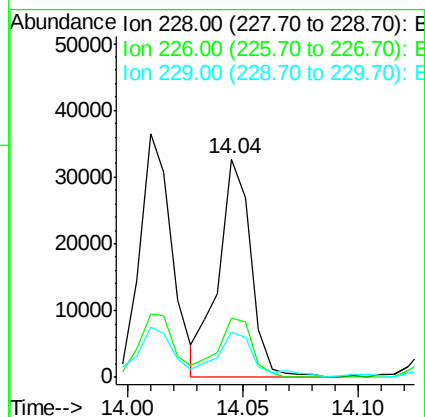
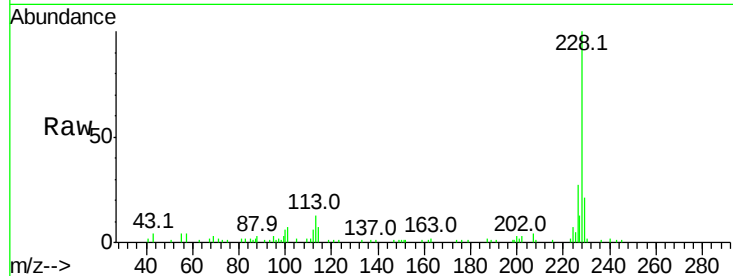




#82
 Chrysene
 Concen: 3.724 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.03 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

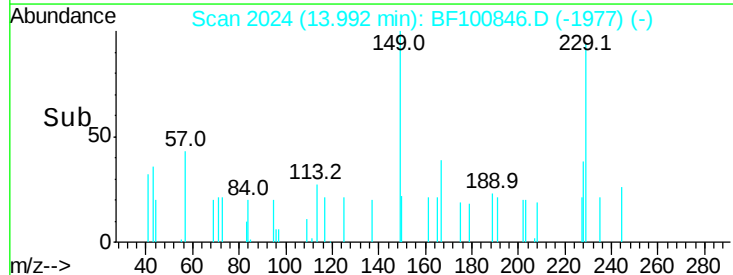
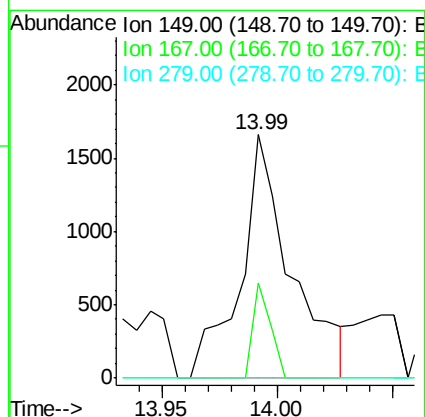
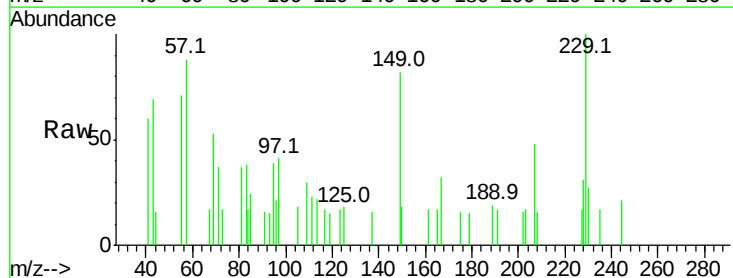
Instrument :
 BNA_F
 ClientSampled :

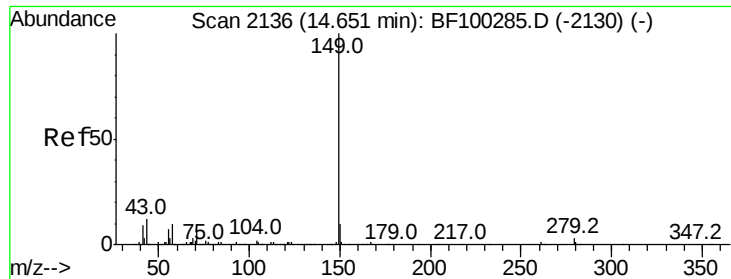
Tot Ion:228 Resp: 32102
 Ion Ratio Lower Upper
 228 100
 226 27.0 25.0 37.6
 229 20.9 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.450 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF100846.D
 Acq: 23 Nov 2017 1:41

Tgt Ion:149 Resp: 2545
 Ion Ratio Lower Upper
 149 100
 167 38.8 21.3 31.9#
 279 0.0 3.0 4.4#

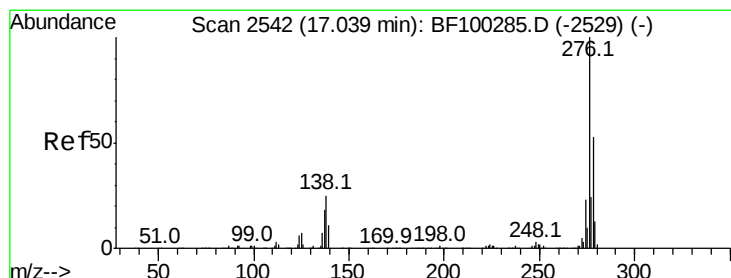
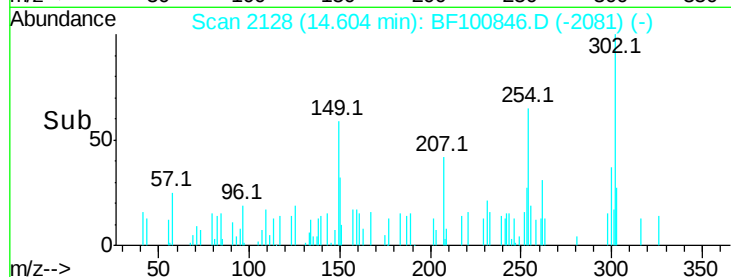
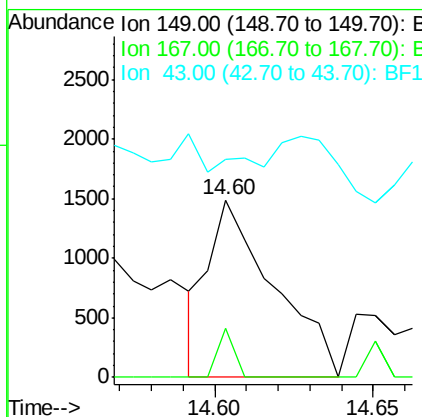
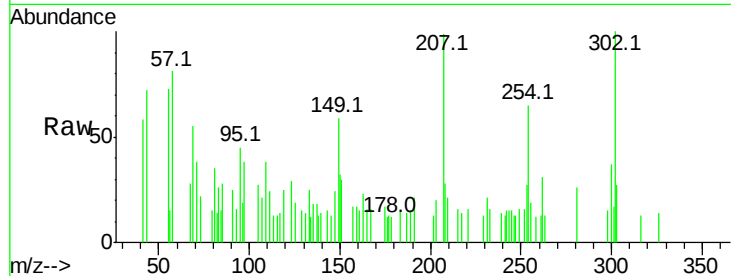




#84
Di-n-octyl phthalate
Concen: 0.219 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

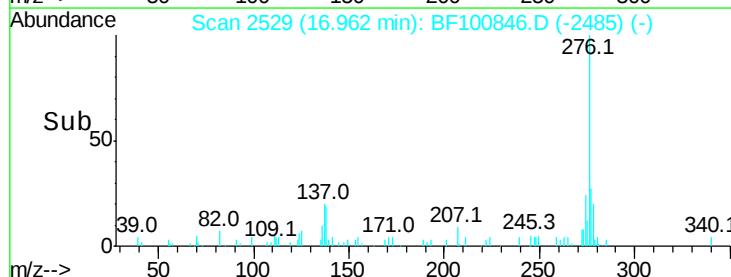
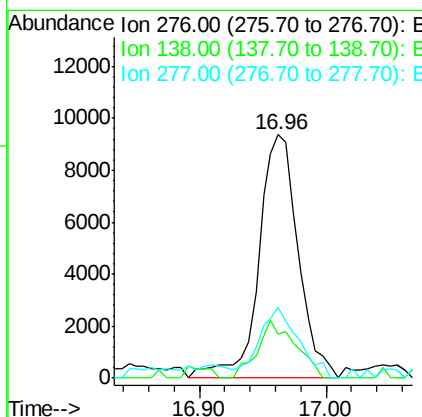
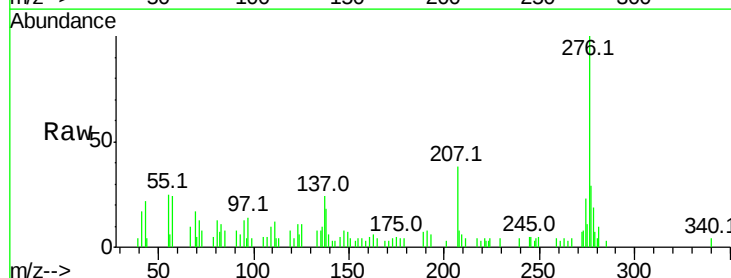
Instrument :
BNA_F
ClientSampleId :

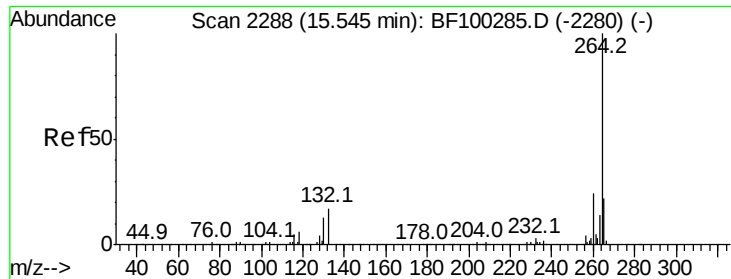
Tot Ion:149 Resp: 2130
Ion Ratio Lower Upper
149 100
167 6.8 1.2 1.8#
43 0.0 8.4 12.6#



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.897 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.04 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:276 Resp: 20202
Ion Ratio Lower Upper
276 100
138 22.6 25.0 37.6#
277 28.8 20.1 30.1

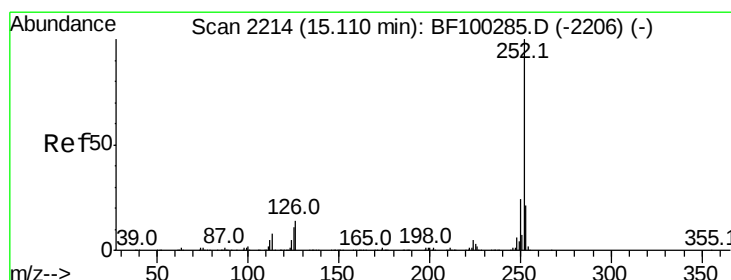
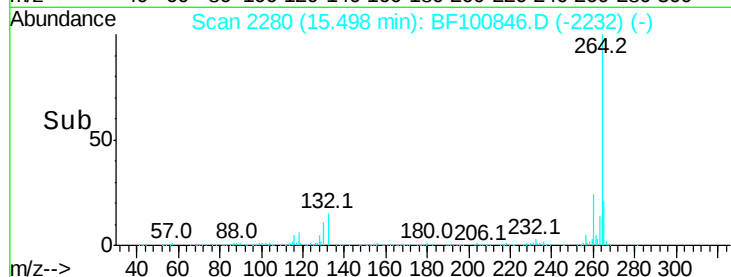
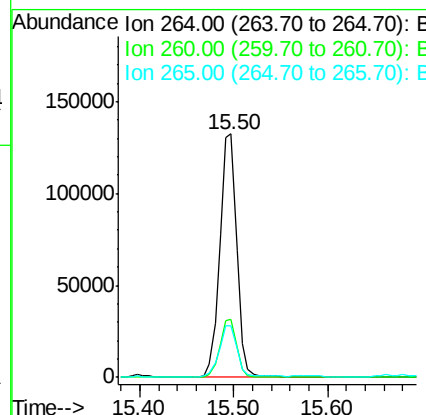
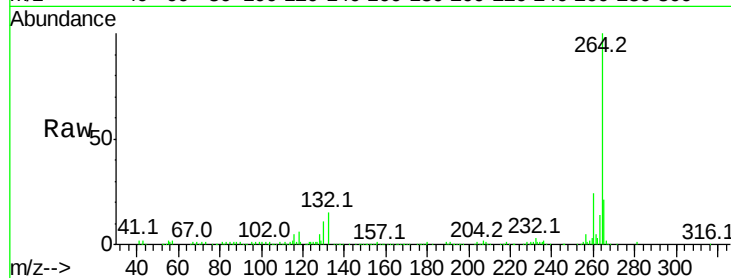




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

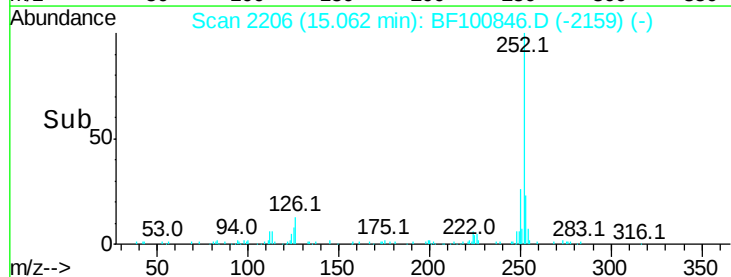
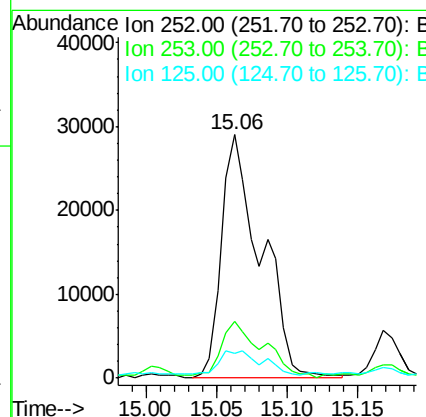
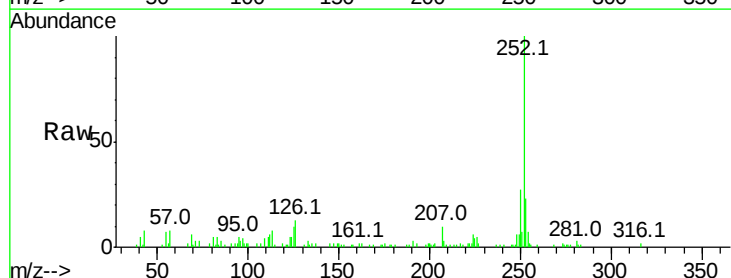
Instrument :
BNA_F
ClientSampleId :

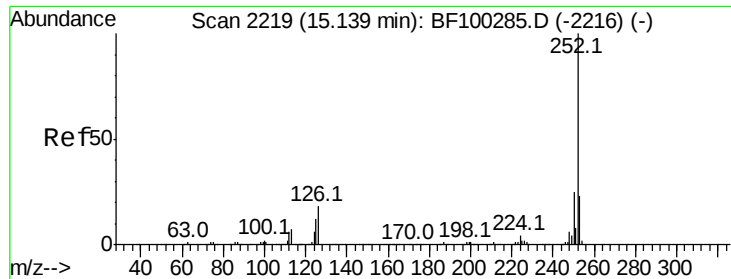
Tot Ion:264 Resp: 169209
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.677 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion:252 Resp: 56910
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 10.3 9.0 13.6

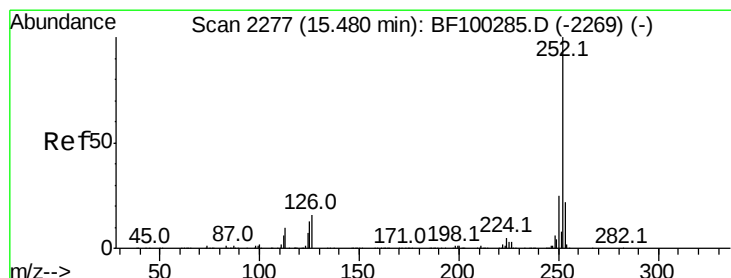
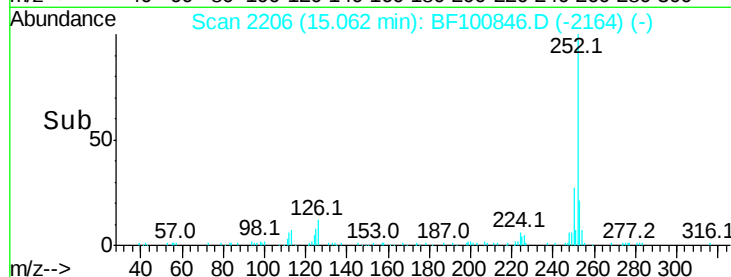
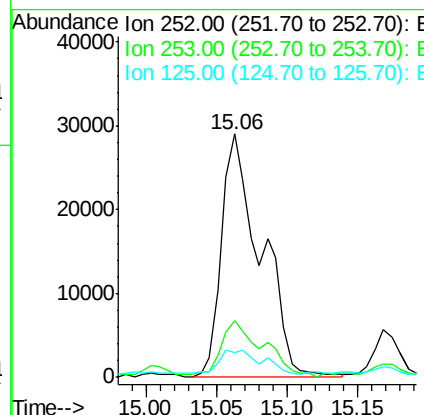
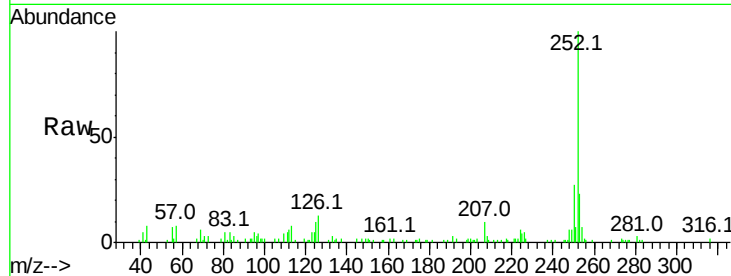




#88
Benzo(k)fluoranthene
Concen: 6.008 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

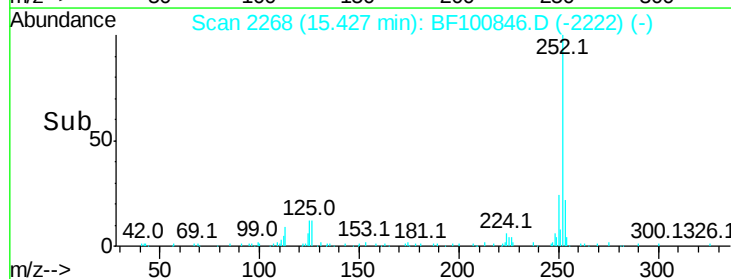
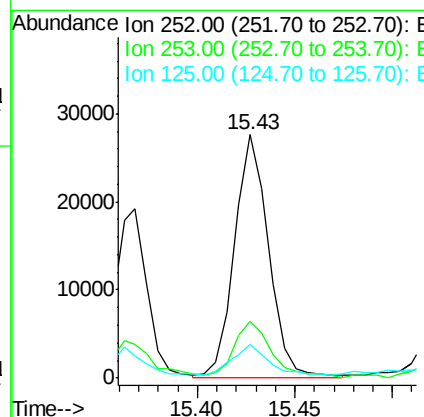
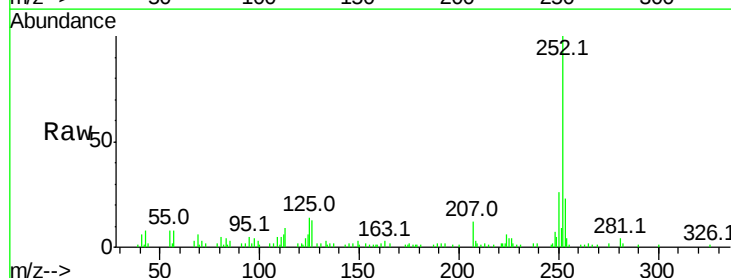
Instrument :
BNA_F
ClientSampleId :

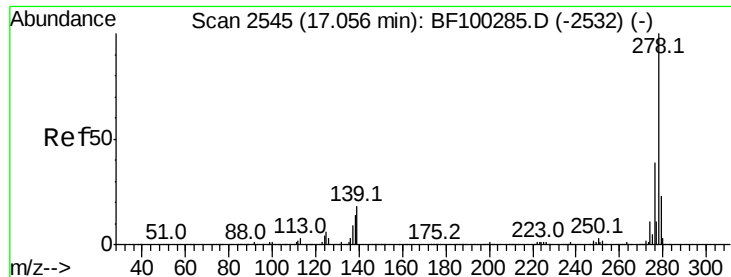
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.788 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF100846.D
Acq: 23 Nov 2017 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 0.848 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.05 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

Instrument :

BNA_F

ClientSampleId :

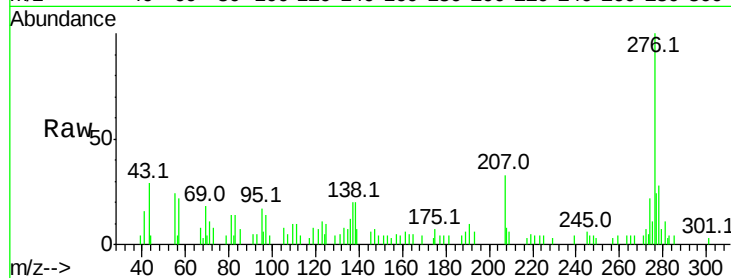
Tot Ion:278 Resp: 6165

Ion Ratio Lower Upper

278 100

139 24.7 15.9 23.9#

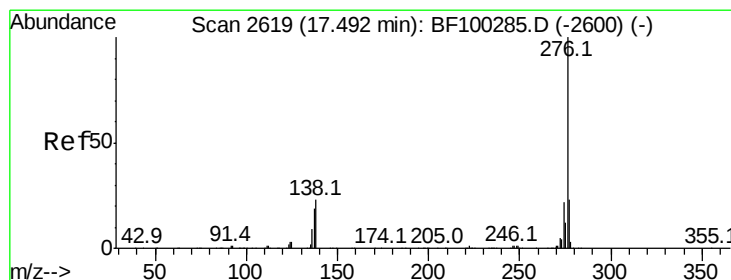
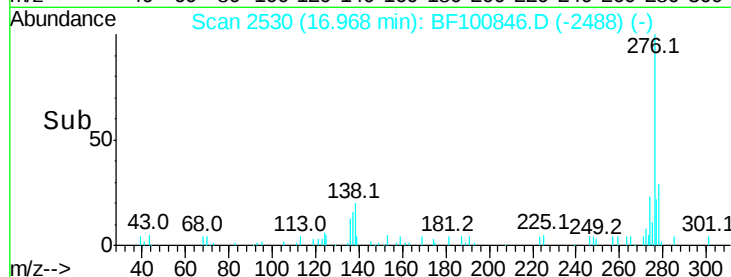
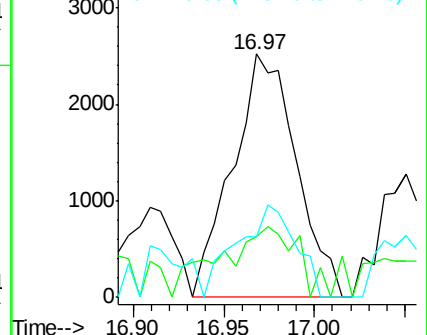
279 24.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.595 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.04 min

Lab File: BF100846.D

Acq: 23 Nov 2017 1:41

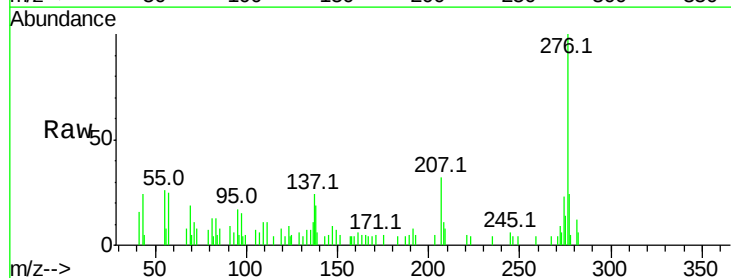
Tgt Ion:276 Resp: 18461

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 19.3 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

