

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\
 Data File : BF103854.D
 Acq On : 22 Mar 2018 16:20
 Operator : JU/SJ
 Sample : J1997-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

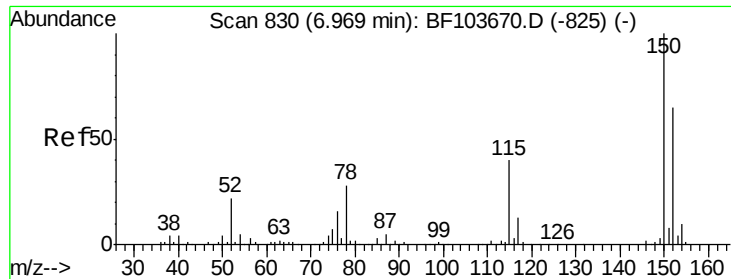
Quant Time: Mar 22 16:58:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	158624	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	640302	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	294037	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	481853	20.00	ng	0.00
75) Chrysene-d12	14.15	240	343282	20.00	ng	-0.01
86) Perylene-d12	15.69	264	330950	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	940461	90.18	ng	0.00
7) Phenol-d6	6.59	99	1170856	91.77	ng	0.00
23) Nitrobenzene-d5	7.53	82	724518	78.91	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	269204	106.48	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1237818	67.15	ng	0.00
78) Terphenyl-d14	13.09	244	995552	67.32	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	20103	2.398	ng	83
10) Phenol	6.60	94	28048	2.069	ng	95
19) n-Nitroso-di-n-propylamine	7.53	70	95070	11.627	ng	# 74
25) Isophorone	7.53	82	724509	34.086	ng	# 64
32) Benzoic acid	7.95	122	114	9.919	ng	83
47) 2-Nitroaniline	9.72	65	1256	7.026	ng	# 1
49) Dimethylphthalate	9.72	163	150273	6.699	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1597	4.321	ng	# 39
55) 4-Nitrophenol	10.21	139	478	5.079	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	38183	12.260	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	504	8.430	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	16447	3.324	ng	# 1

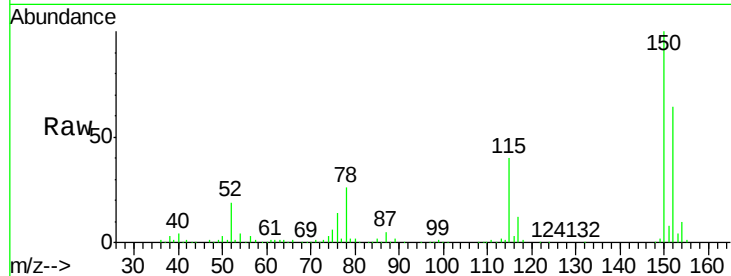
(#) = qualifier out of range (m) = manual integration (+) = signals summed



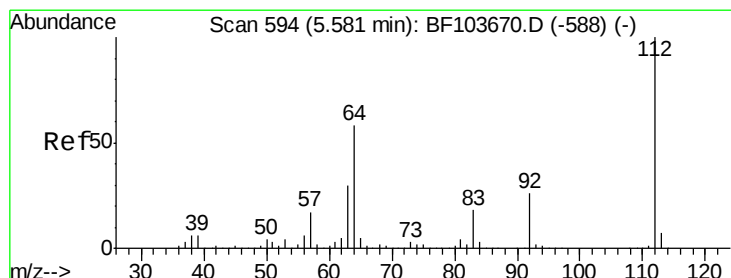
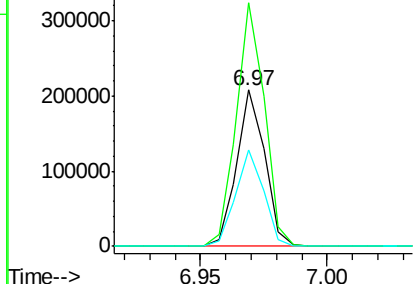
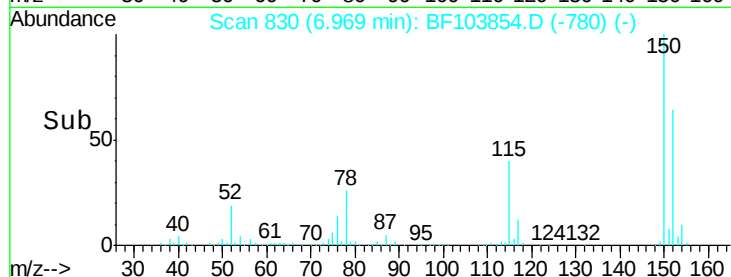
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	61.7	50.1	75.1



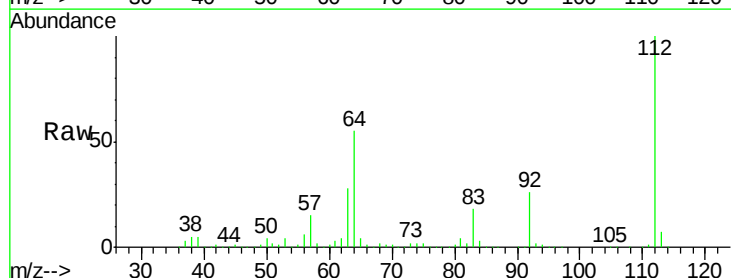
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



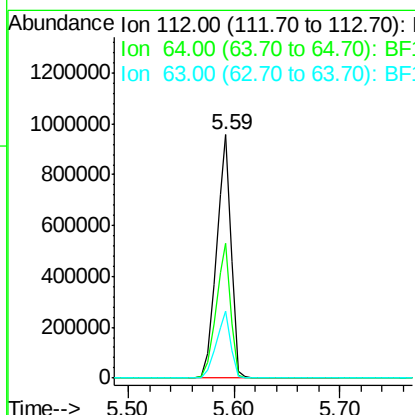
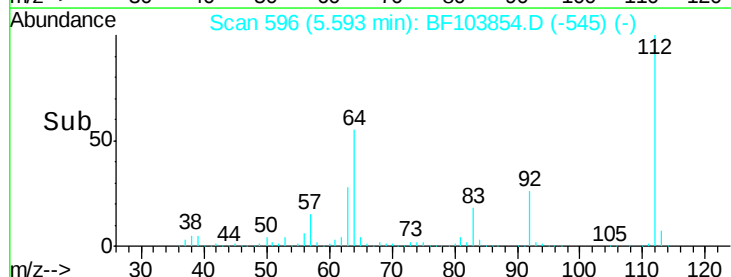
#5

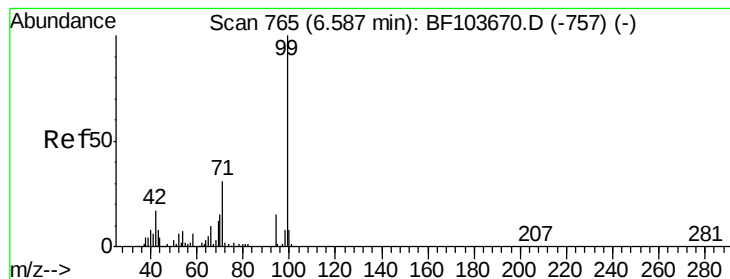
2-Fluorophenol
Concen: 90.178 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	27.6	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: 91.766 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

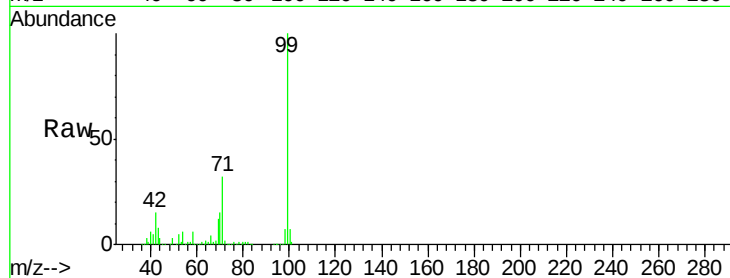
Tot Ion: 99 Resp: 1170856

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

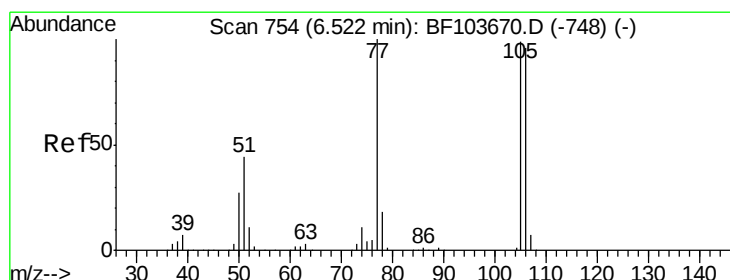
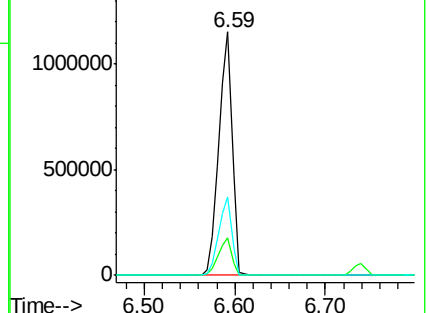
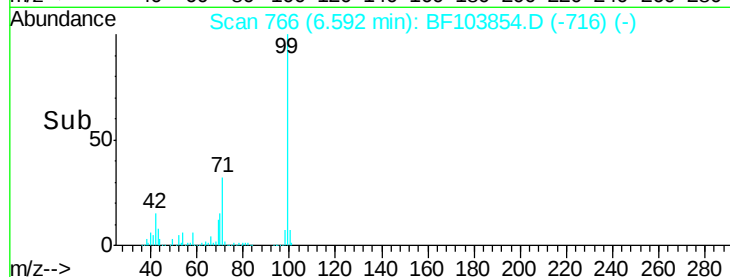
71 32.3 25.4 38.0



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: 2.398 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.21 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

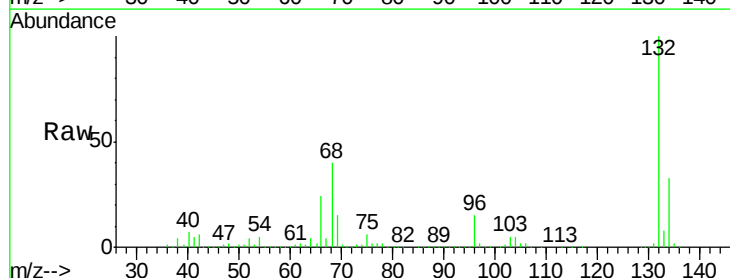
Tgt Ion: 77 Resp: 20103

Ion Ratio Lower Upper

77 100

105 84.2 81.1 121.1

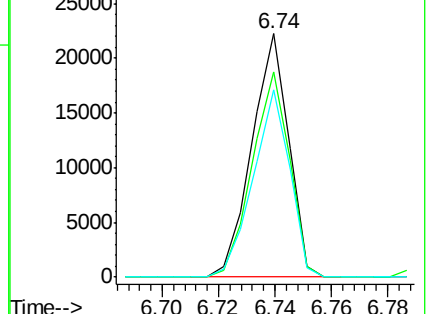
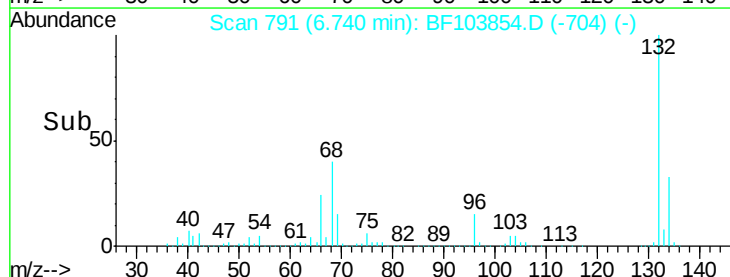
106 77.0 74.5 114.5

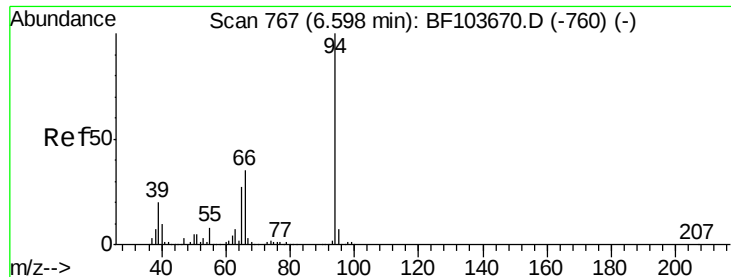


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.069 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

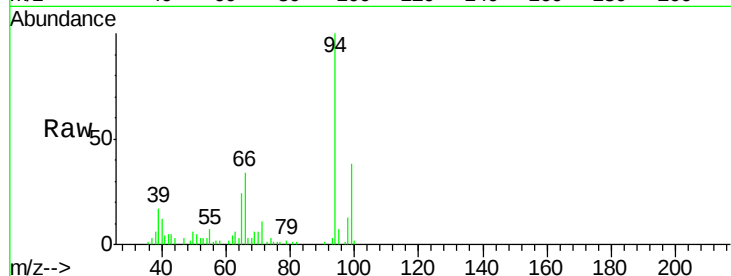
Tot Ion: 94 Resp: 28048

Ion Ratio Lower Upper

94 100

65 24.0 7.9 47.9

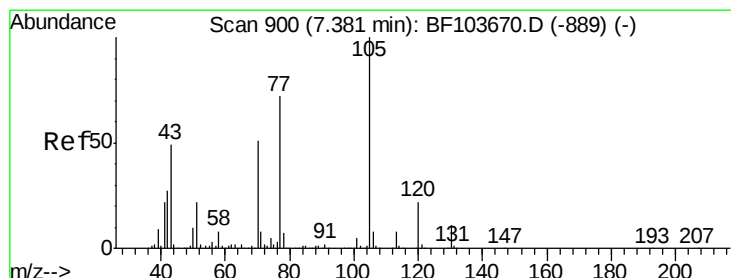
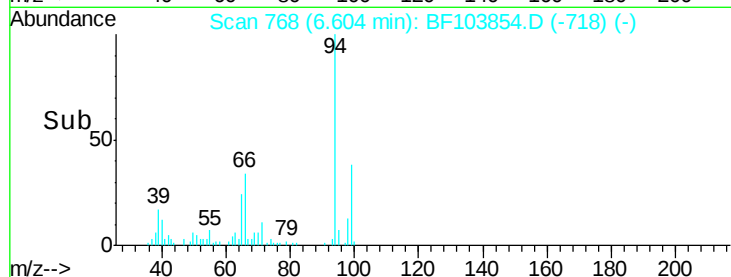
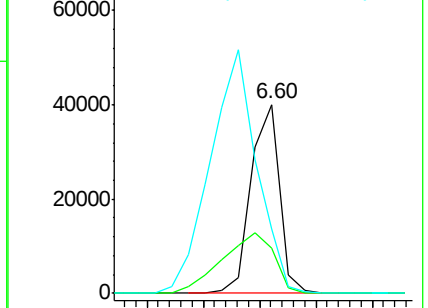
66 34.0 16.2 56.2



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: 11.627 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

Tgt Ion: 70 Resp: 95070

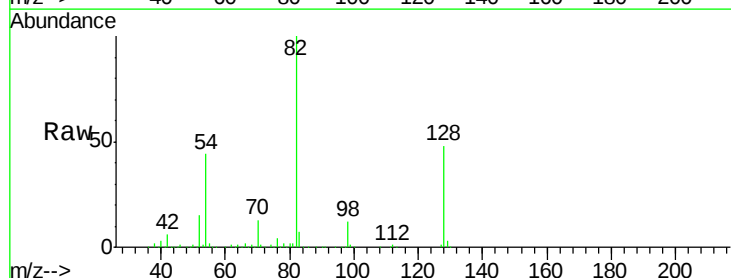
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

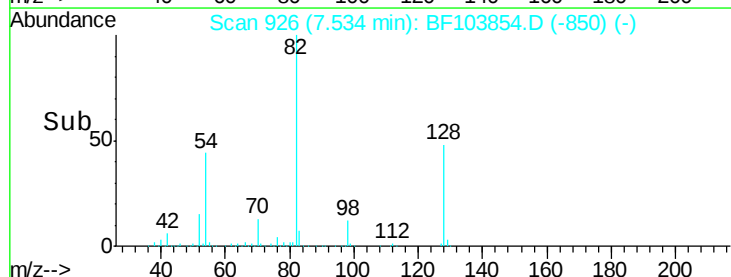
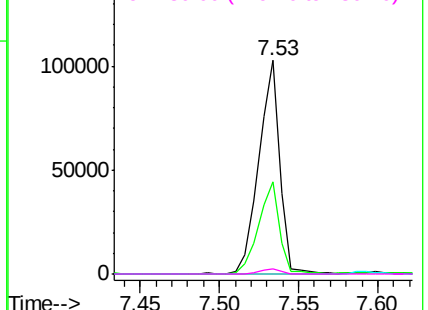


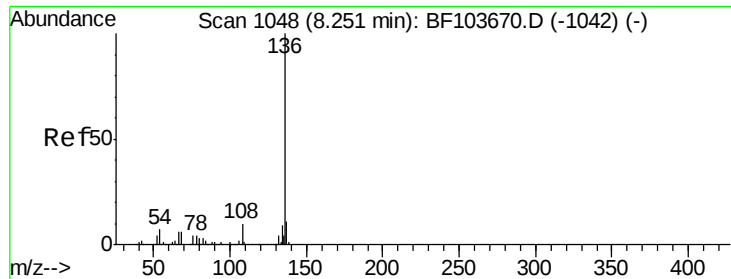
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

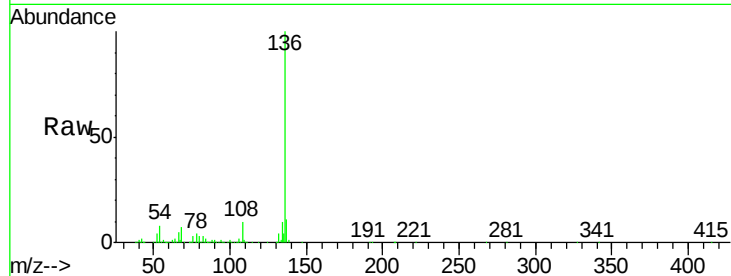
Ion 130.00 (129.70 to 130.70): BF1



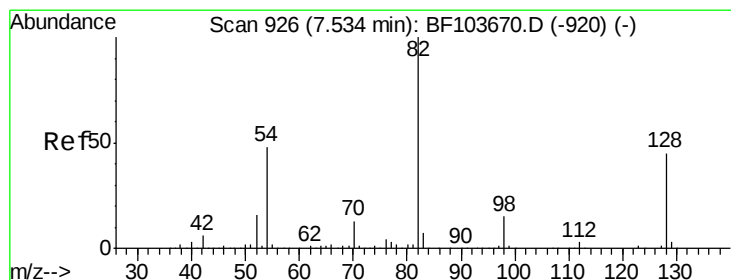
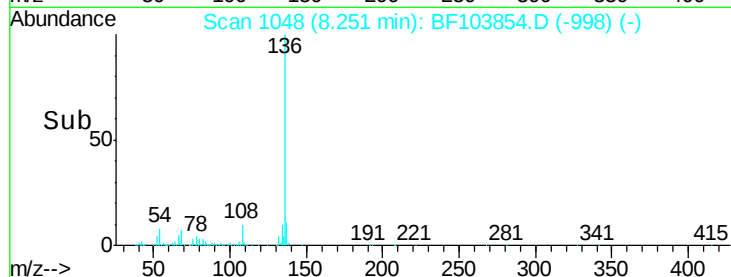
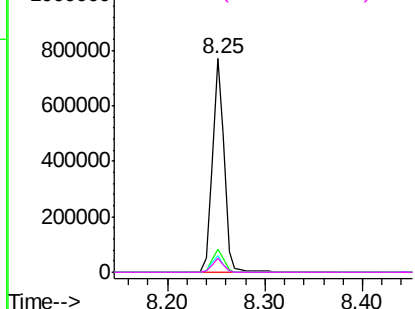


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

Tot Ion:136	Resp:	640302
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.9	13.3
54 7.5	6.6	9.8
68 6.6	5.0	7.4

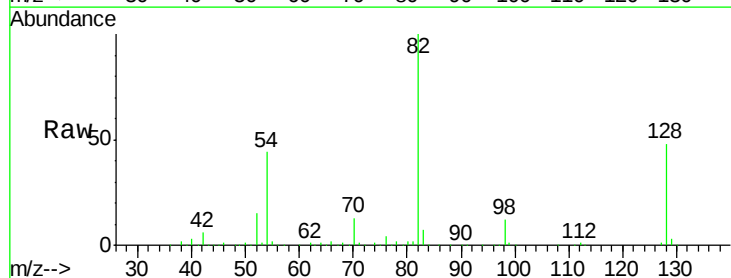


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

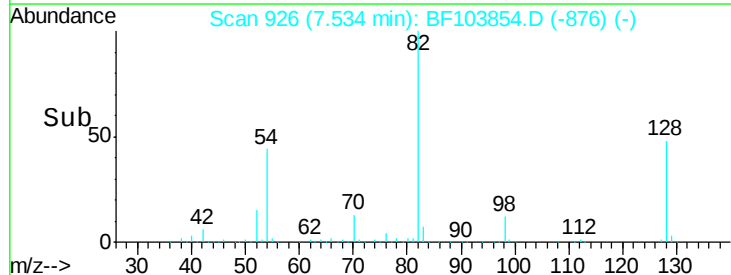
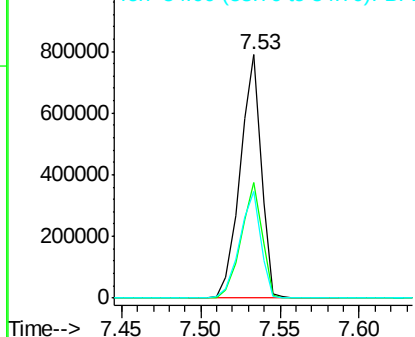


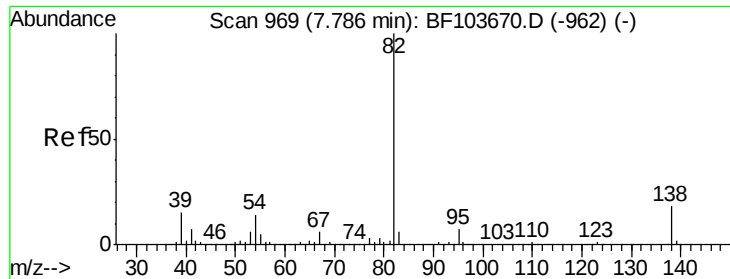
#23
Nitrobenzene-d5
Concen: 78.908 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

Tgt	Ion: 82	Resp:	724518
Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	43.9	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: 34.086 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

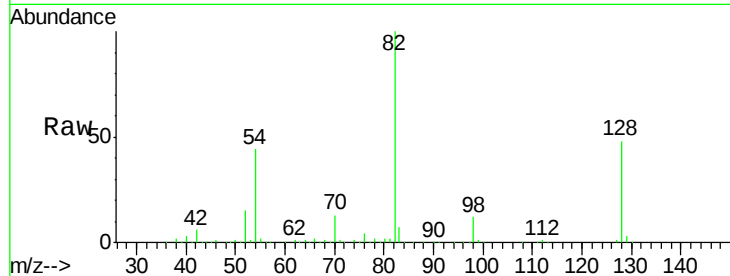
Tot Ion: 82 Resp: 724509

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

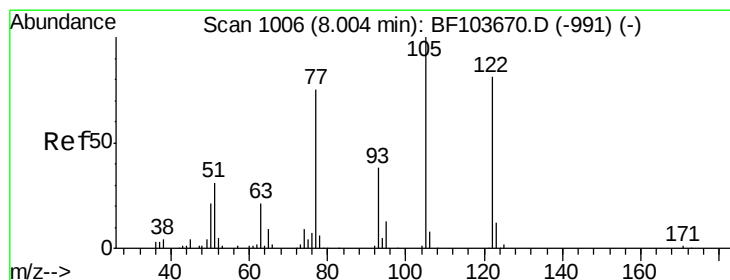
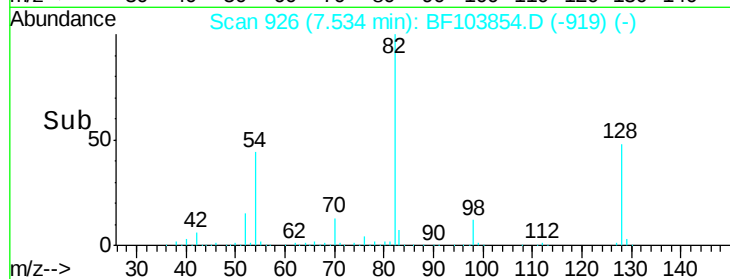
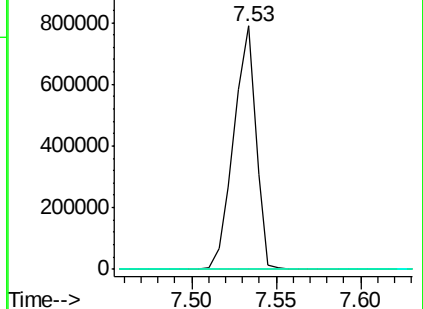
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 9.919 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.07 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

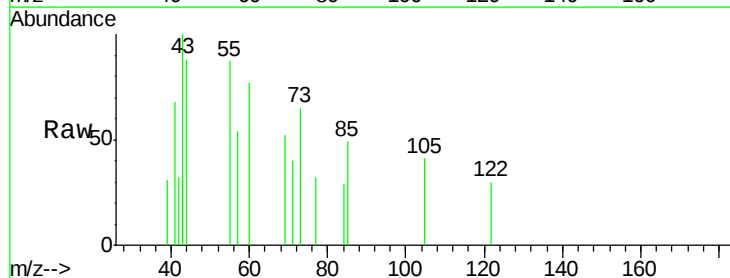
Tgt Ion: 122 Resp: 114

Ion Ratio Lower Upper

122 100

105 139.2 101.1 141.1

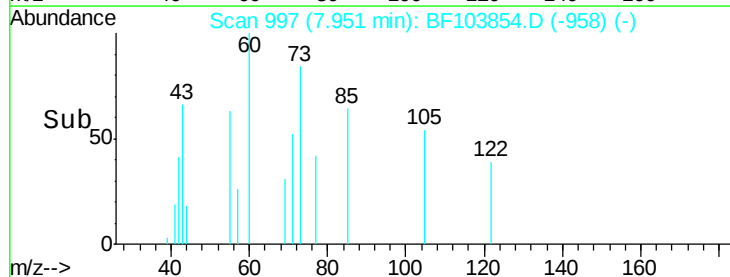
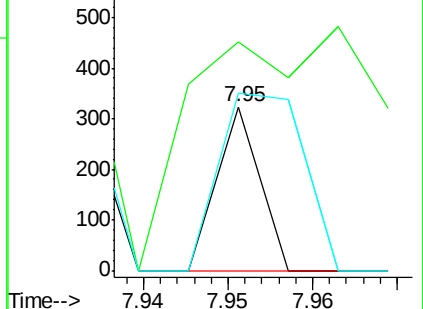
77 108.3 70.7 110.7

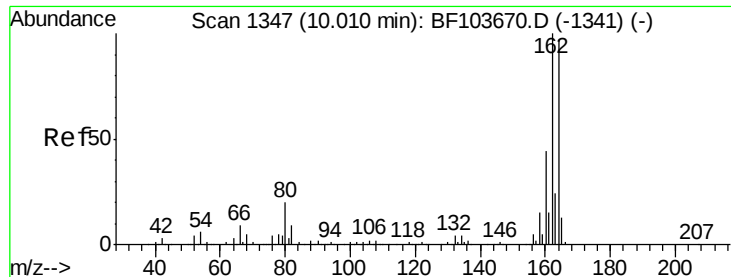


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

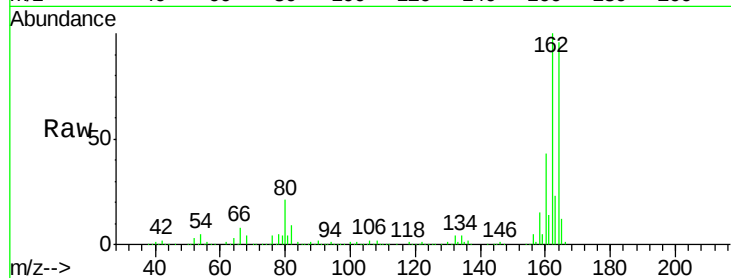
Delta R.T. -0.01 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

Tot Ion:164 Resp: 294037

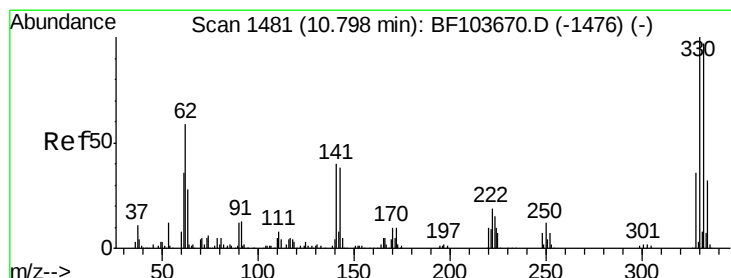
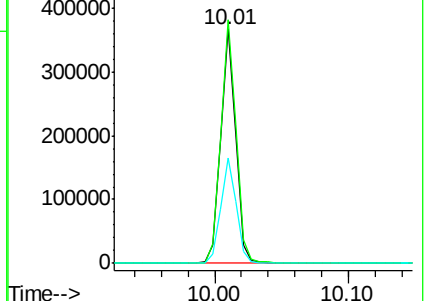
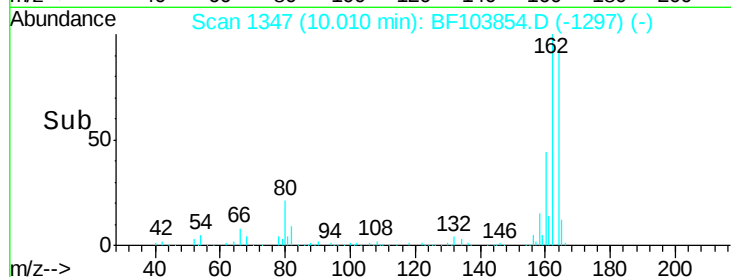
Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	45.1	38.3	57.5



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: 106.483 ng

RT: 10.80 min Scan# 1482

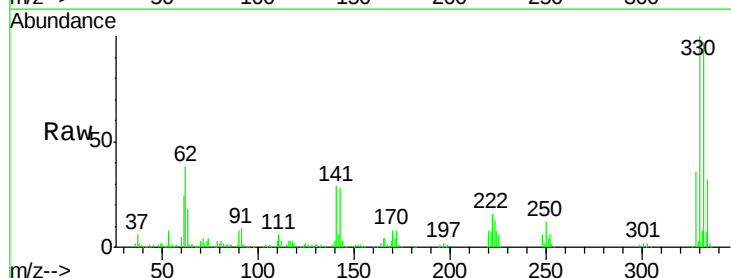
Delta R.T. -0.01 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

Tgt Ion:330 Resp: 269204

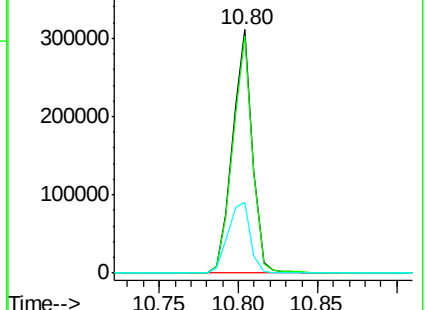
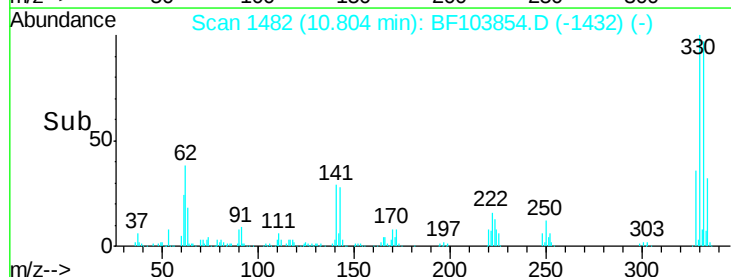
Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.3	29.9	44.9

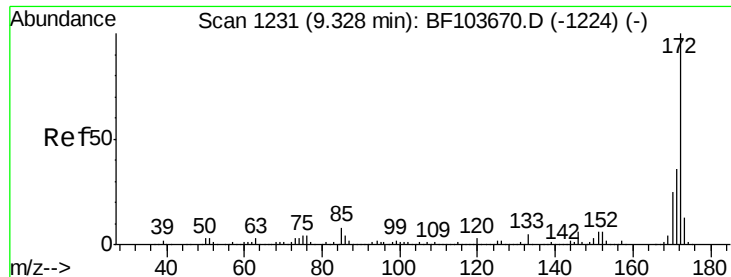


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

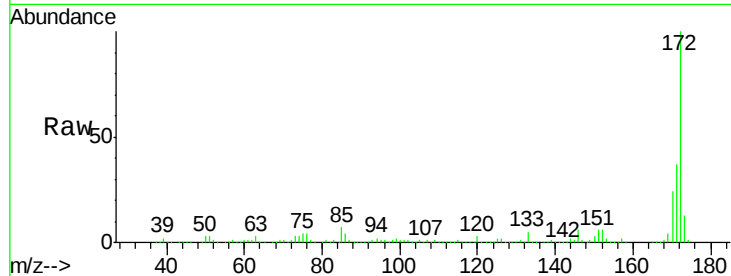




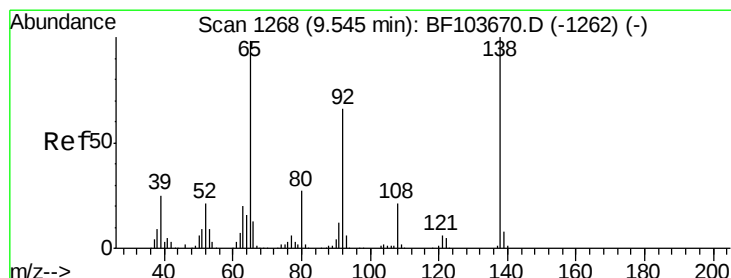
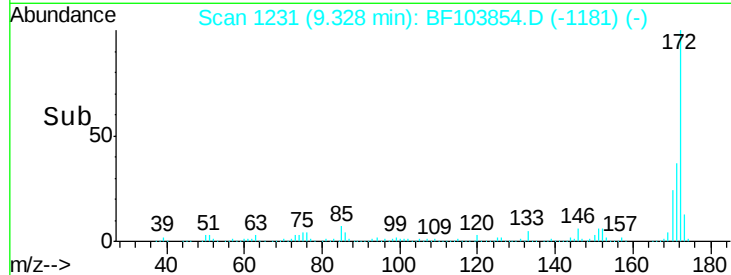
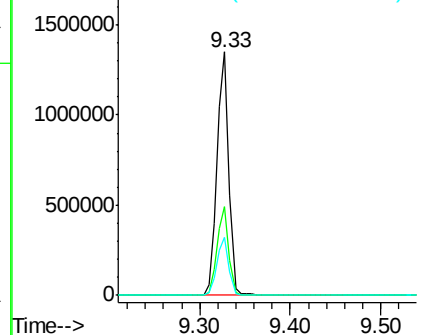
#44
 2-Fluorobiphenyl
 Concen: 67.152 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103854.D
 Acq: 22 Mar 2018 16:20

Tot Ion:172 Resp: 1237818

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	19.6	29.4



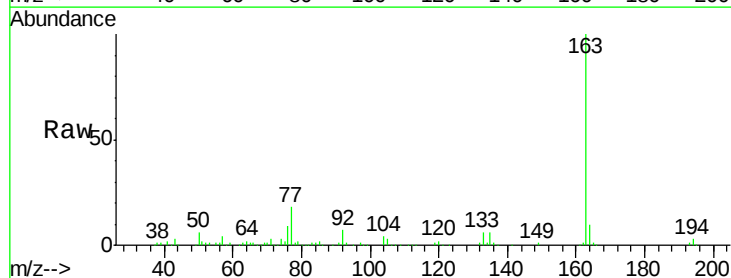
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



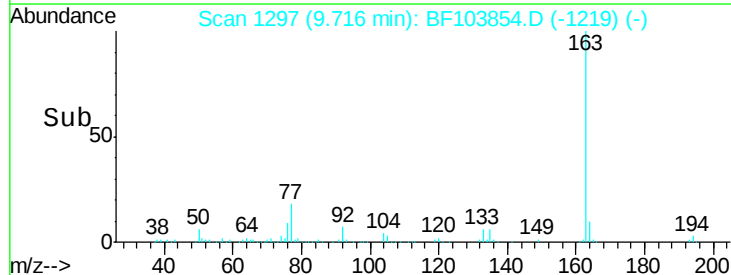
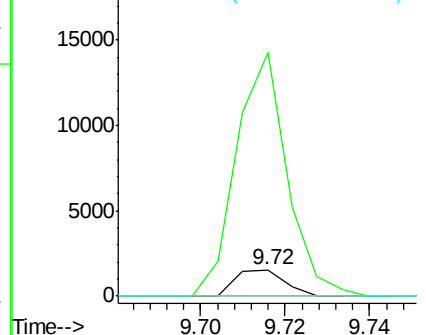
#47
 2-Nitroaniline
 Concen: 7.026 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.16 min
 Lab File: BF103854.D
 Acq: 22 Mar 2018 16:20

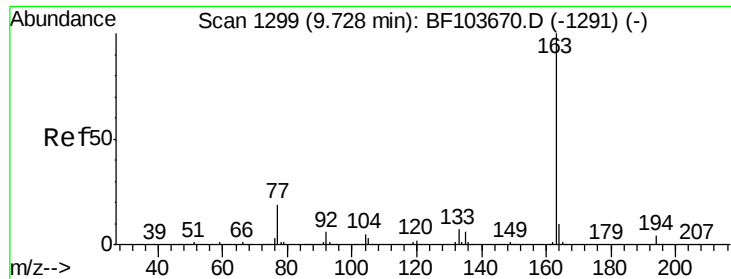
Tgt Ion: 65 Resp: 1256

Ion	Ratio	Lower	Upper
65	100		
92	920.1	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 6.699 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

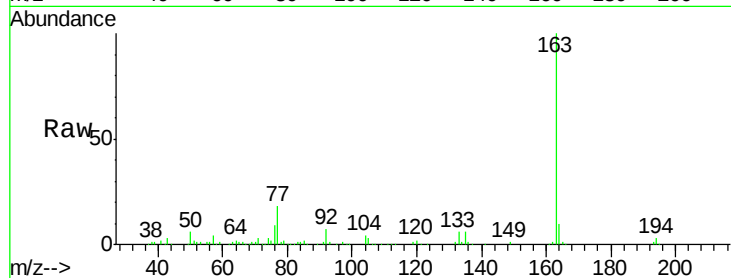
Tot Ion:163 Resp: 150273

Ion Ratio Lower Upper

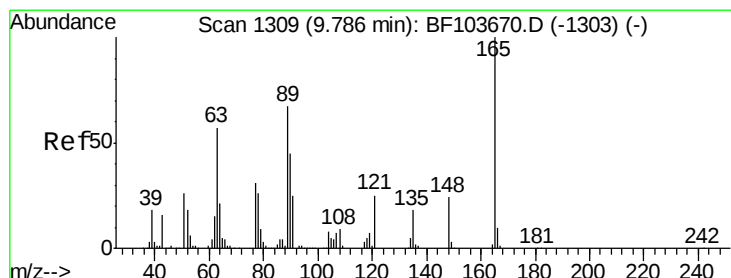
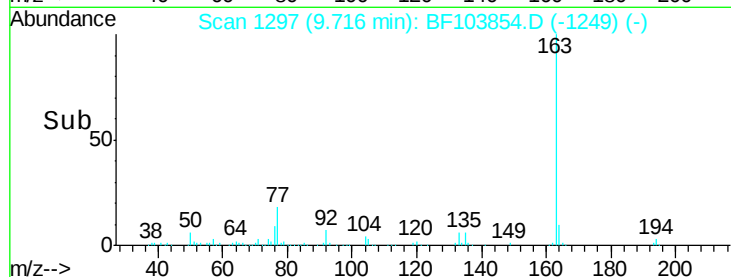
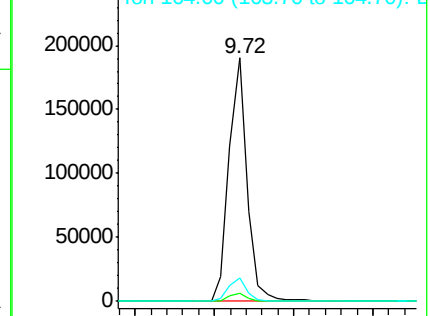
163 100

194 3.5 2.7 4.1

164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 4.321 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF103854.D

Acq: 22 Mar 2018 16:20

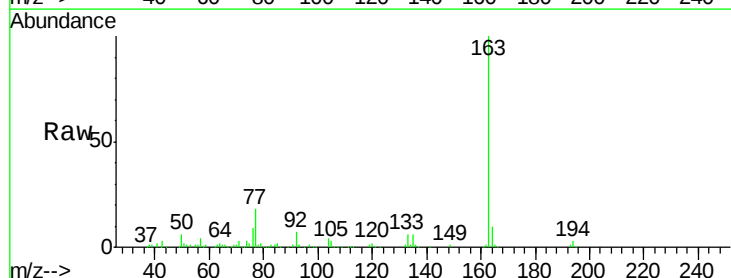
Tgt Ion:165 Resp: 1597

Ion Ratio Lower Upper

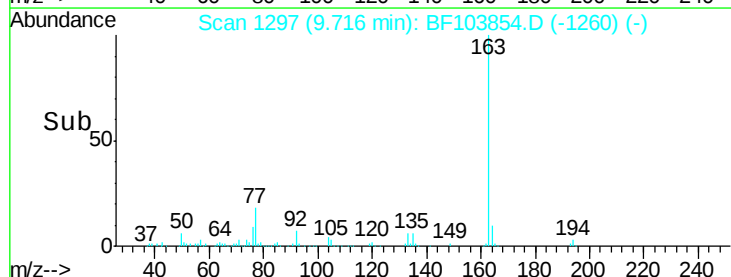
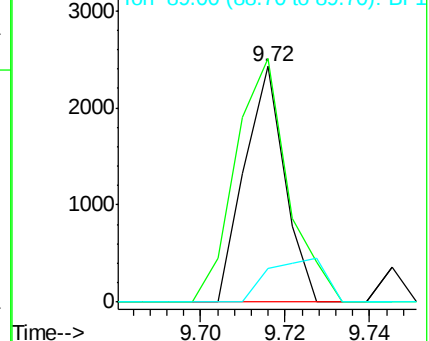
165 100

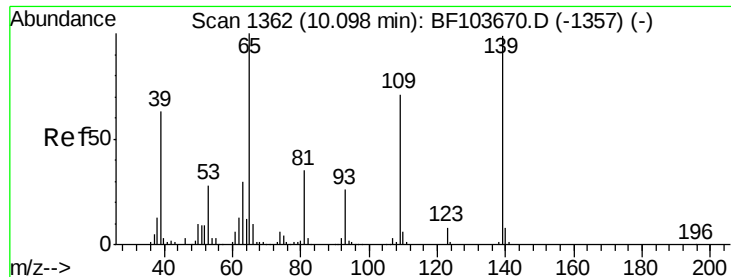
63 103.5 44.7 67.1#

89 14.2 44.0 66.0#



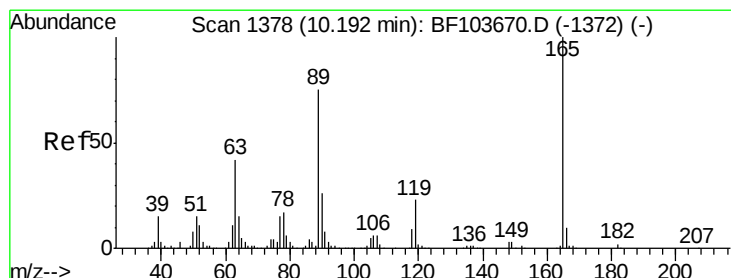
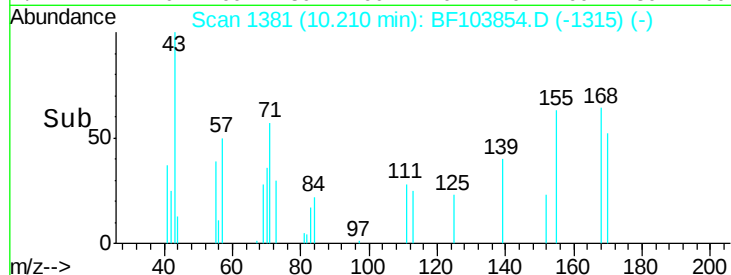
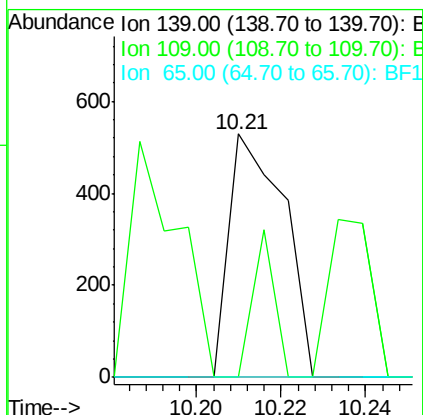
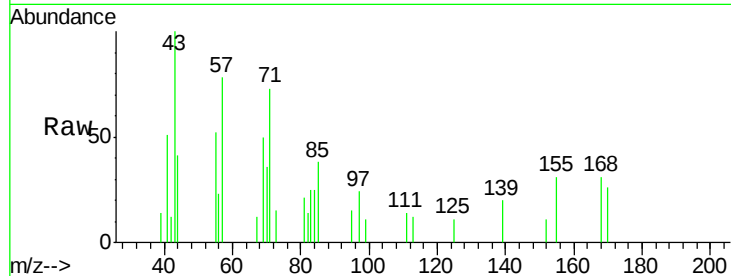
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





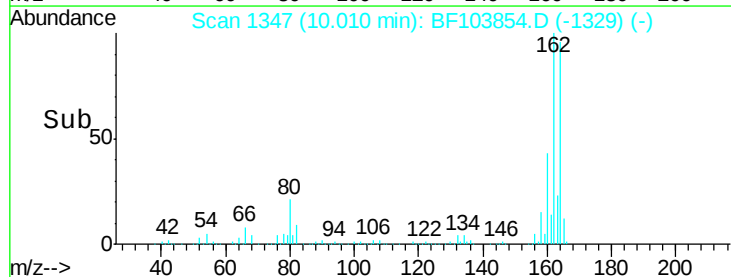
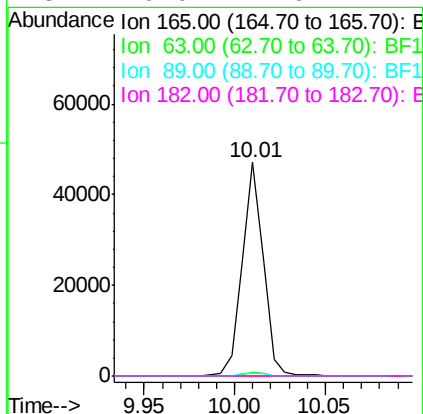
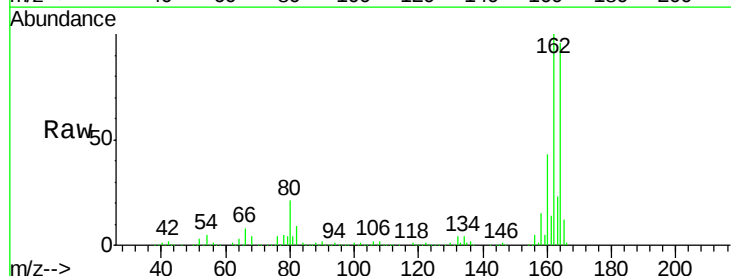
#55
4-Nitrophenol
Concen: 5.079 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.09 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

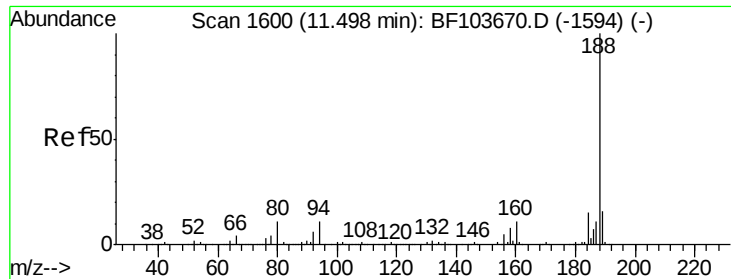
Tot Ion:139 Resp: 478
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 12.260 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

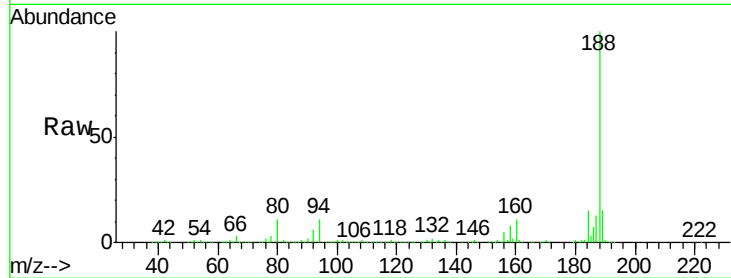
Tgt Ion:165 Resp: 38183
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

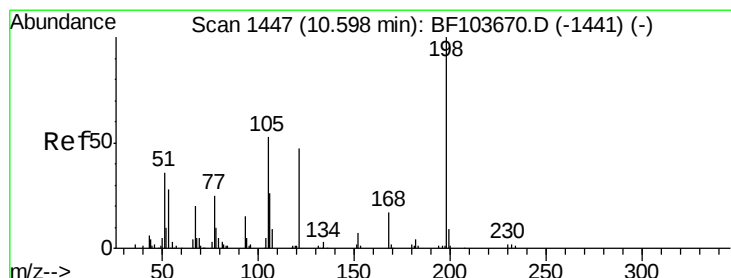
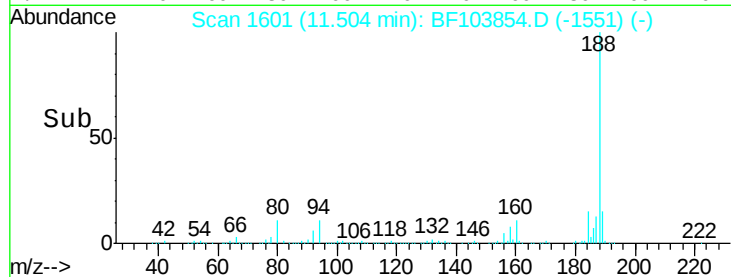
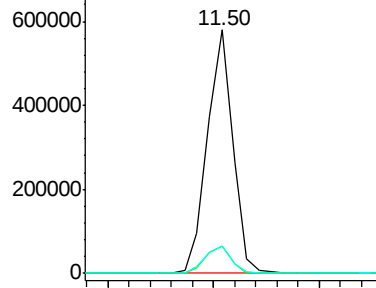
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.3	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

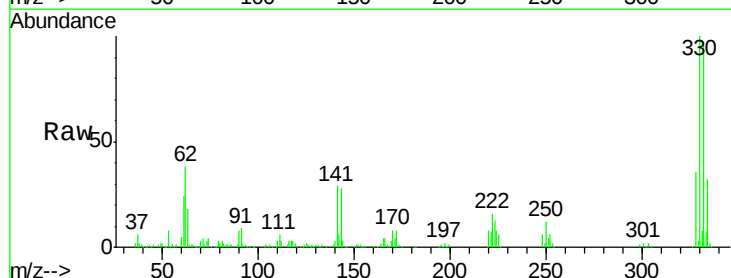
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64
4,6-Dinitro-2-methylphenol
Concen: 8.430 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

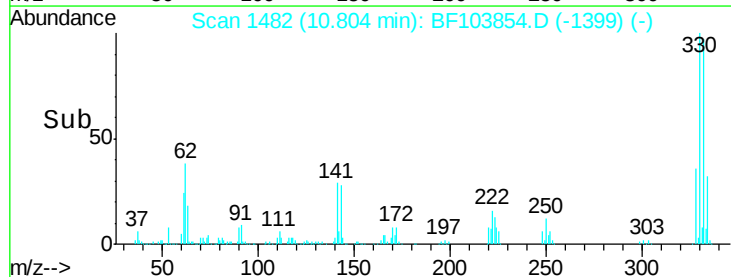
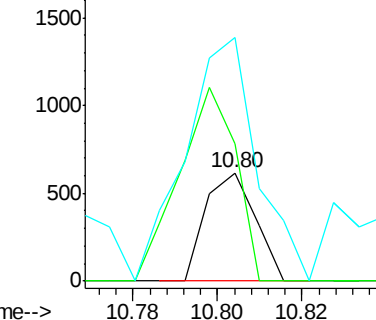
Tgt Ion	Ratio	Lower	Upper
198	100		
51	126.2	37.7	77.7#
105	224.6	36.3	76.3#

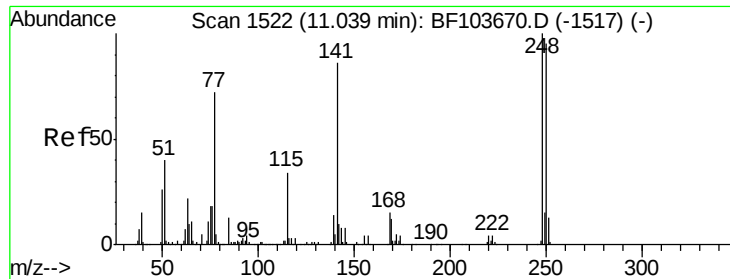


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

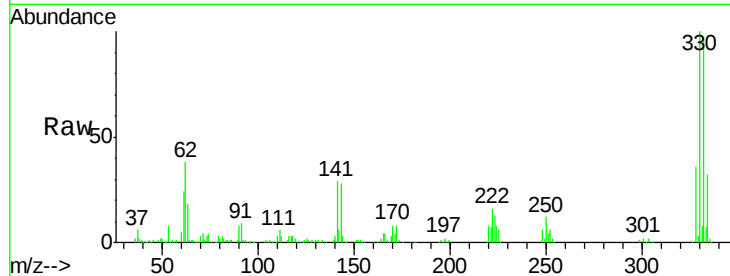
Ion 105.00 (104.70 to 105.70): E



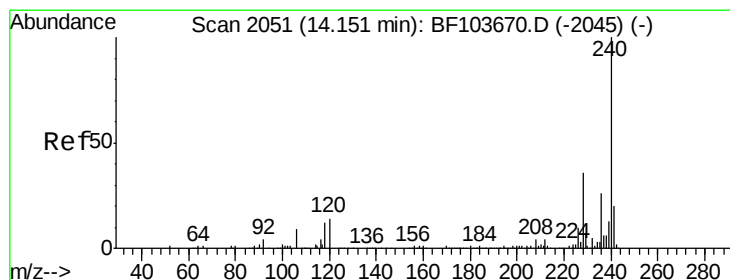
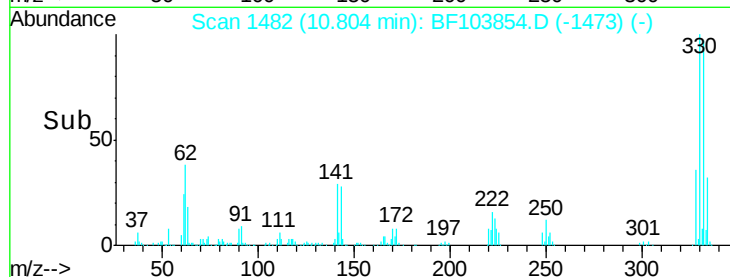
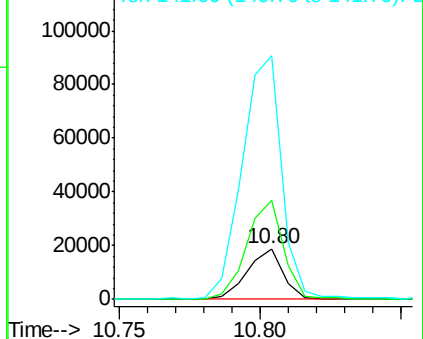


#66
4-Bromophenyl-phenylether
Concen: 3.324 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

Tot Ion:248 Resp: 16447
Ion Ratio Lower Upper
248 100
250 195.0 76.9 115.3#
141 477.8 74.4 111.6#

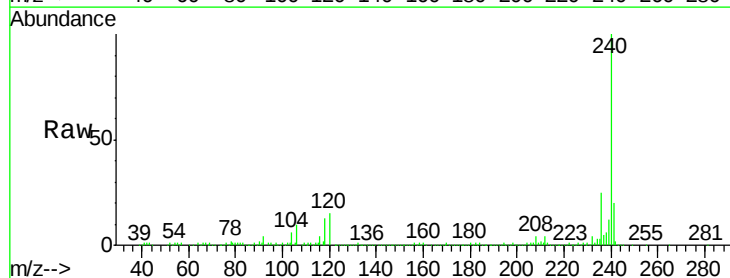


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

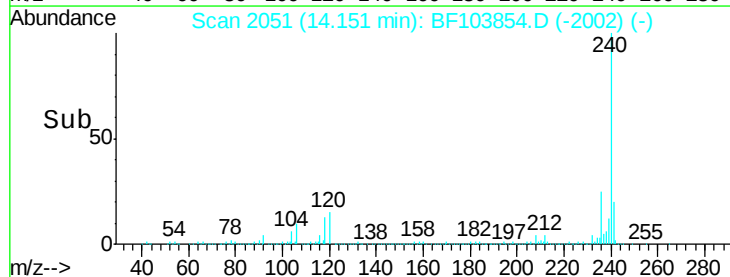
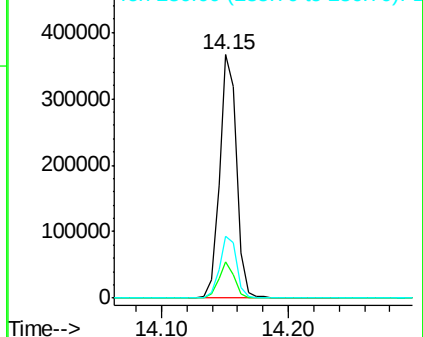


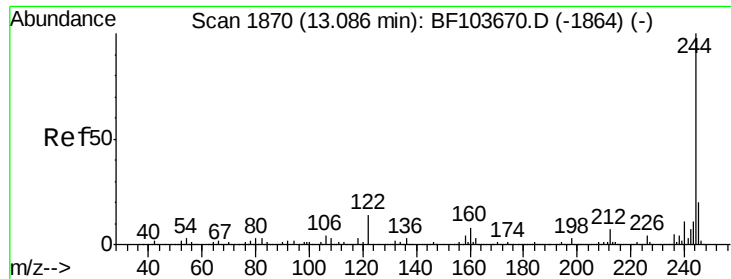
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF103854.D
Acq: 22 Mar 2018 16:20

Tgt Ion:240 Resp: 343282
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 25.3 20.7 31.1



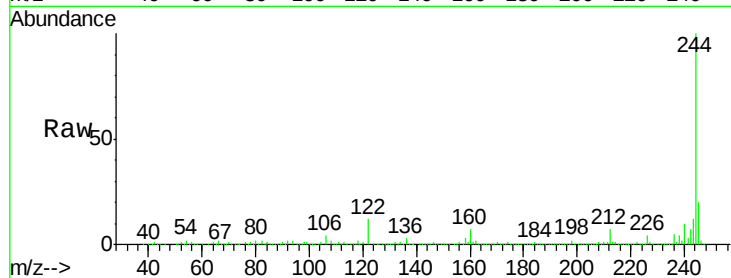
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



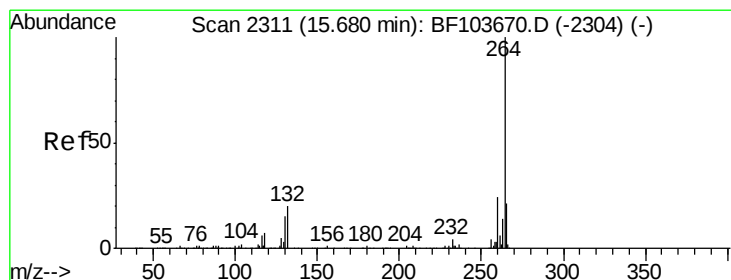
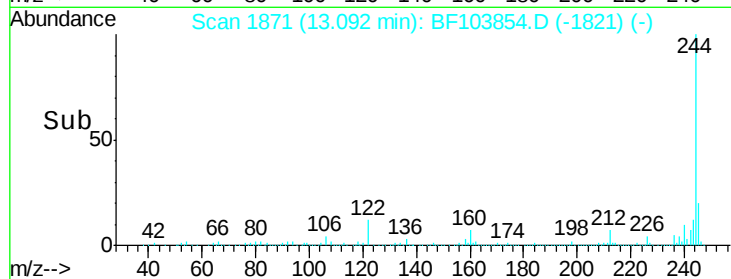
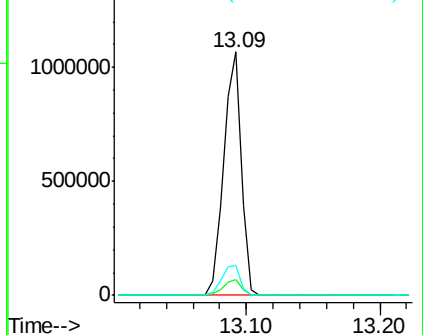


#78
 Terphenyl-d14
 Concen: 67.316 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF103854.D
 Acq: 22 Mar 2018 16:20

Tot Ion:244 Resp: 995552
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.0 11.0 16.4

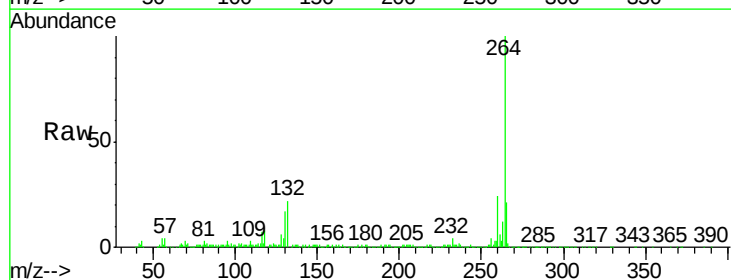


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF103854.D
 Acq: 22 Mar 2018 16:20

Tgt Ion:264 Resp: 330950
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

