

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109893.D
 Acq On : 15 Oct 2018 21:41
 Operator : JU/SJ
 Sample : J5198-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:25:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	209375	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	715512	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	270854	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	510066	20.00	ng	0.00
76) Chrysene-d12	14.15	240	562655	20.00	ng	0.00
87) Perylene-d12	15.67	264	425433	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1020795	77.28	ng	0.00
7) Phenol-d6	6.59	99	1232418	75.14	ng	0.00
23) Nitrobenzene-d5	7.53	82	693770	65.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	204892	87.37	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1038842	61.20	ng	0.00
79) Terphenyl-d14	13.09	244	1061994	39.64	ng	0.00

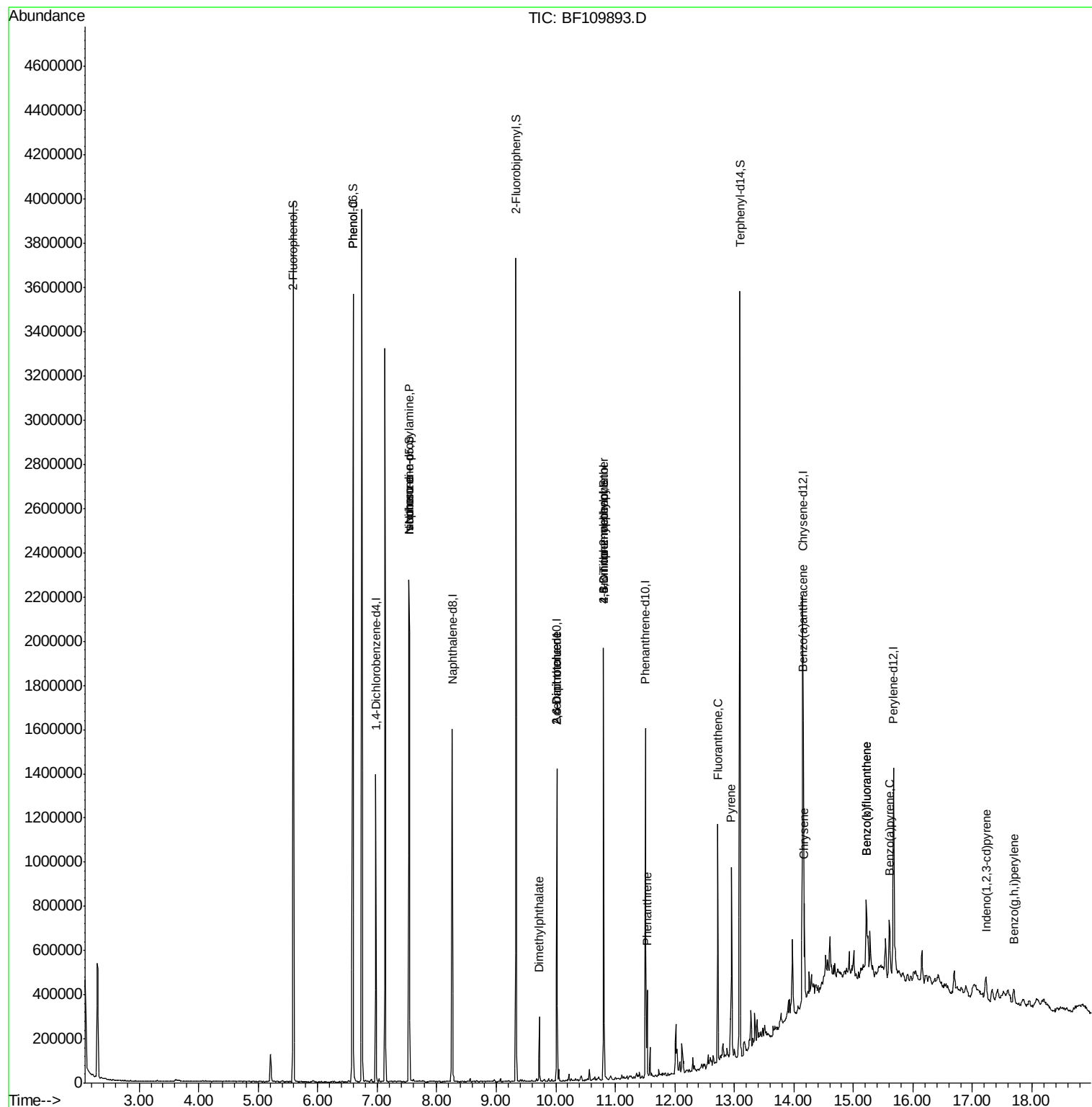
Target Compounds				Qvalue		
10) Phenol	6.60	94	40290	2.275	ng	# 76
19) n-Nitroso-di-n-propylamine	7.53	70	91732	8.711	ng	# 83
25) Isophorone	7.53	82	693633	33.235	ng	# 67
50) Dimethylphthalate	9.72	163	100656	5.248	ng	98
51) 2,6-Dinitrotoluene	10.02	165	36864	10.120	ng	# 23
57) 2,4-Dinitrotoluene	10.02	165	36864	11.829	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	349	8.062	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	12872	2.329	ng	# 1
71) Phenanthrene	11.53	178	138777	5.255	ng	98
75) Fluoranthene	12.72	202	380978	14.442	ng	98
78) Pyrene	12.95	202	360060	8.713	ng	98
81) Benzo(a)anthracene	14.14	228	193170	5.829	ng	98
83) Chrysene	14.17	228	162360	5.147	ng	97
86) Indeno(1,2,3-cd)pyrene	17.22	276	59565	2.345	ng	93
88) Benzo(b)fluoranthene	15.22	252	236602	9.647	ng	# 94
89) Benzo(k)fluoranthene	15.22	252	236602	9.787	ng	# 93
90) Benzo(a)pyrene	15.60	252	123707	5.484	ng	# 95
92) Benzo(a,h,i)perylene	17.69	276	58090	2.876	ng	# 89

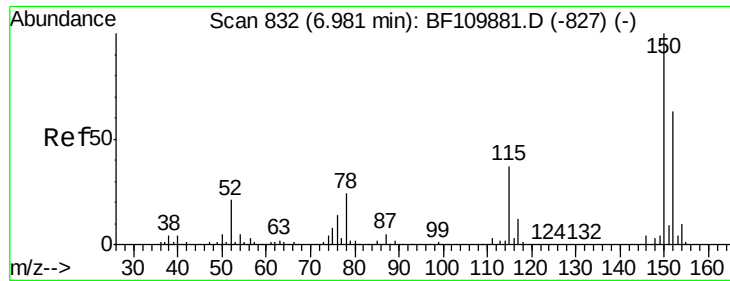
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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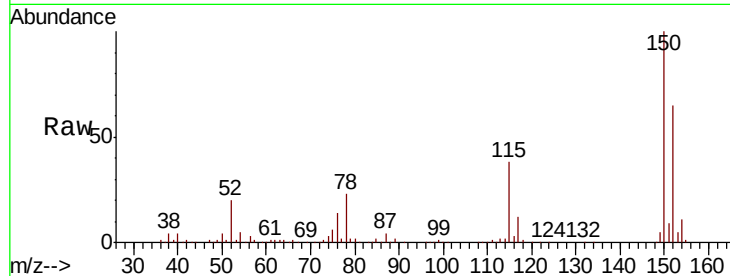


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.7	184.1
115	58.3	49.1	73.7

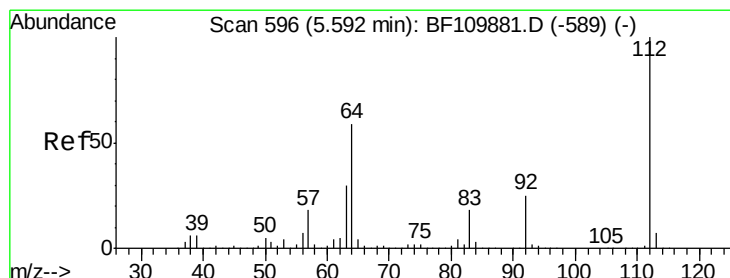
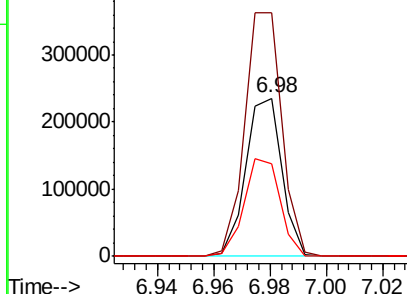
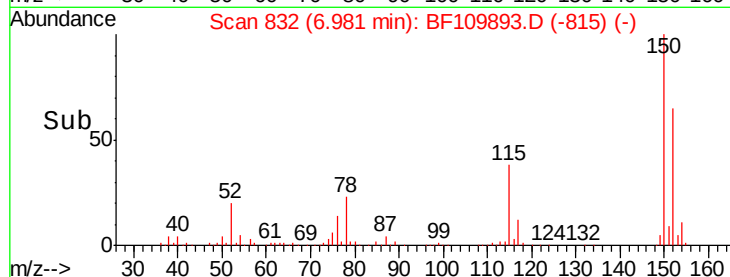


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

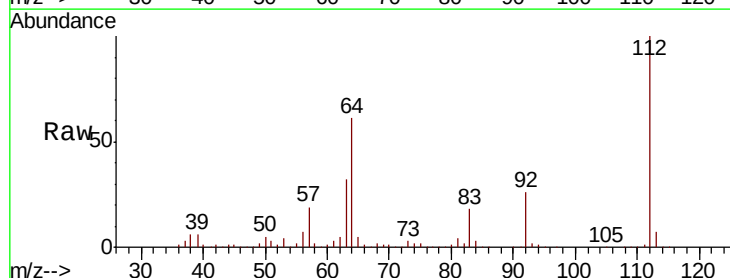
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.282 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.00 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	44.1	66.1
63	31.7	23.7	35.5

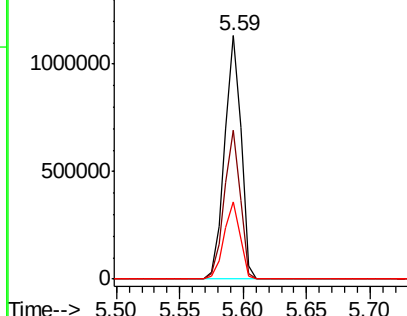
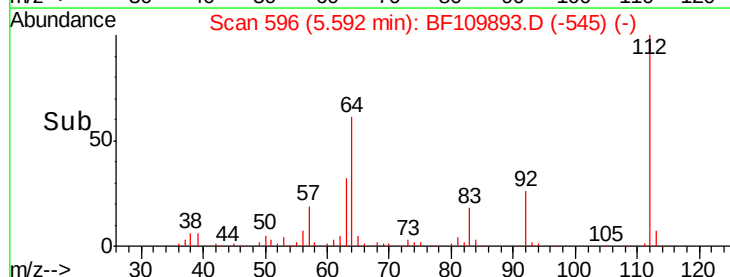


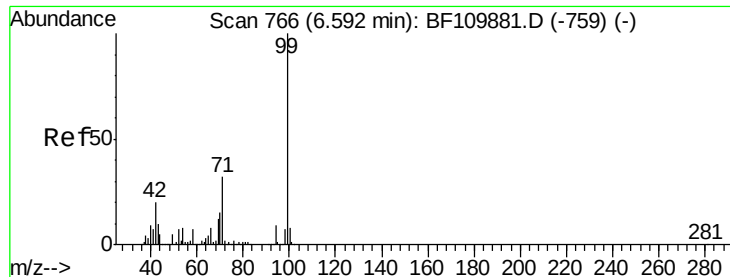
Abundance

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: 75.140 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

Instrument :

BNA_F

ClientSampleId :

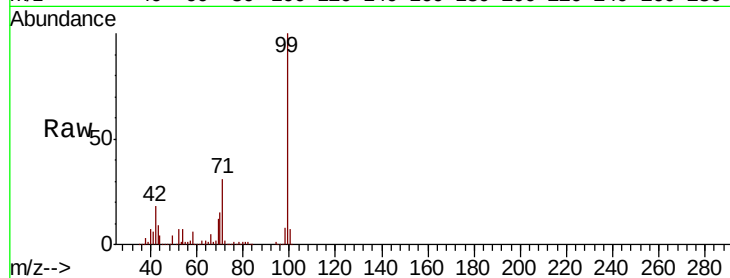
Tot Ion: 99 Resp: 1232418

Ion Ratio Lower Upper

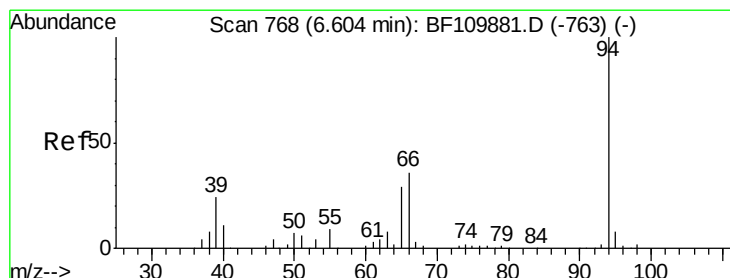
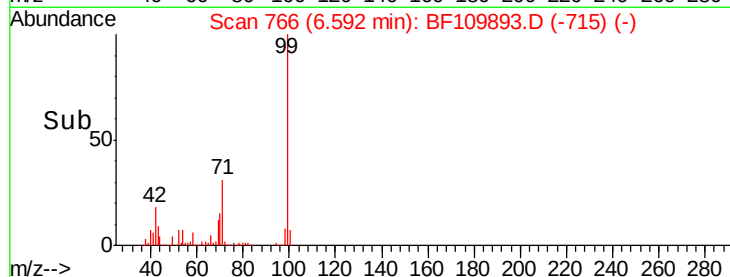
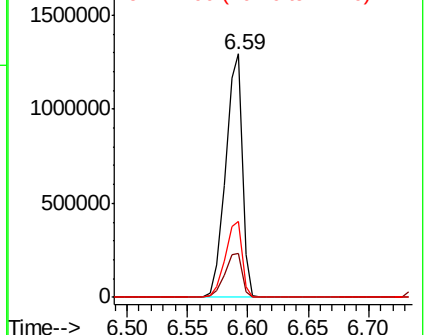
99 100

42 17.9 15.8 23.6

71 31.4 28.0 42.0



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



#10

Phenol

Concen: 2.275 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

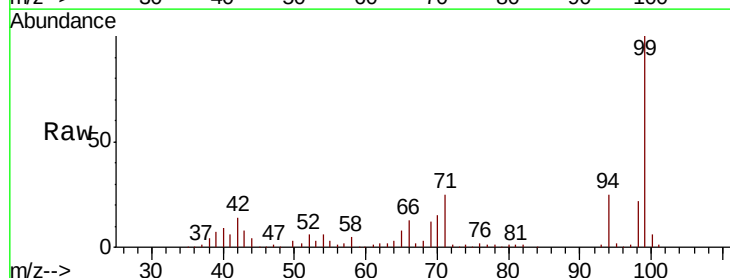
Tgt Ion: 94 Resp: 40290

Ion Ratio Lower Upper

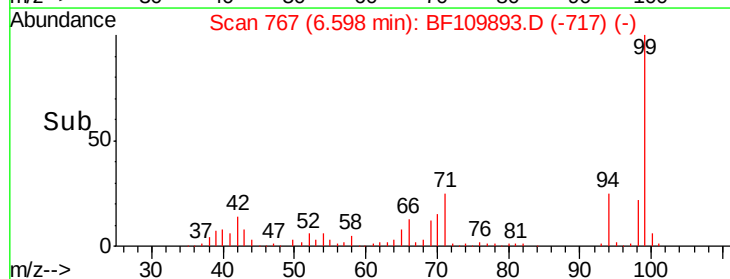
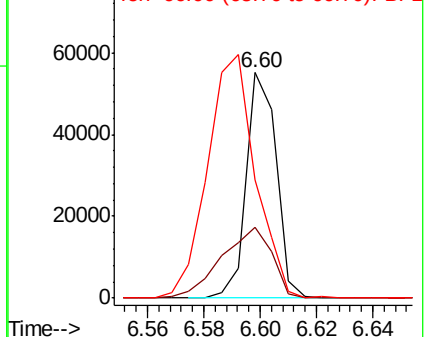
94 100

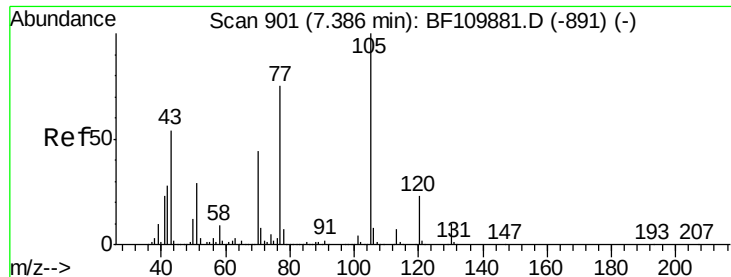
65 31.2 25.3 65.3

66 52.3 54.5 94.5#



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

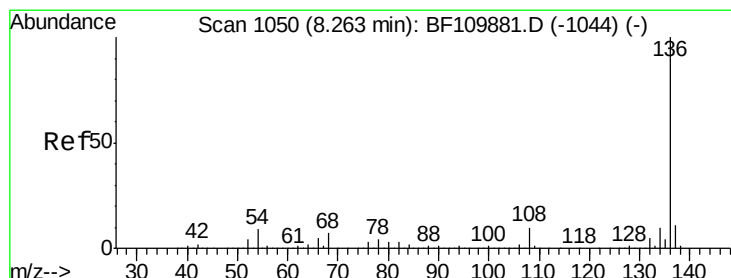
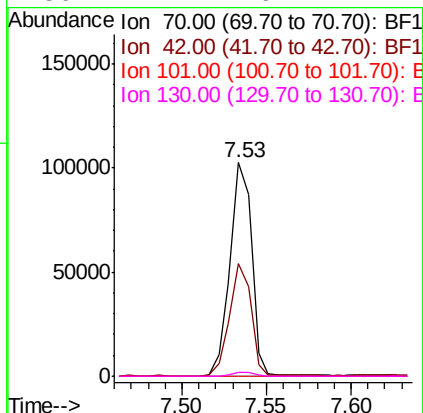
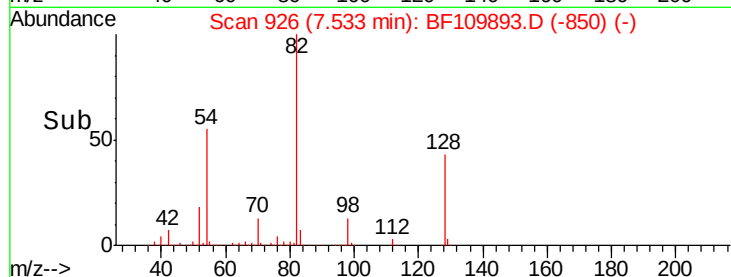
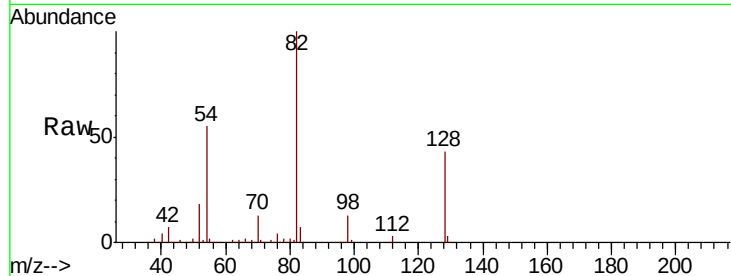




#19
n-Nitroso-di-n-propylamine
Concen: 8.711 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

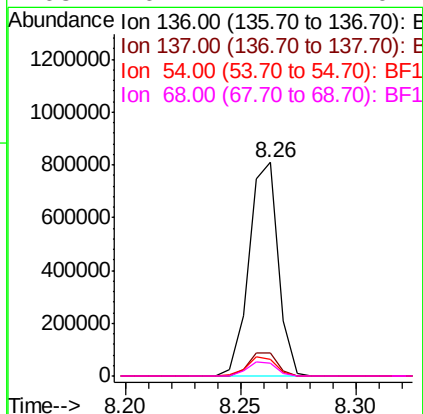
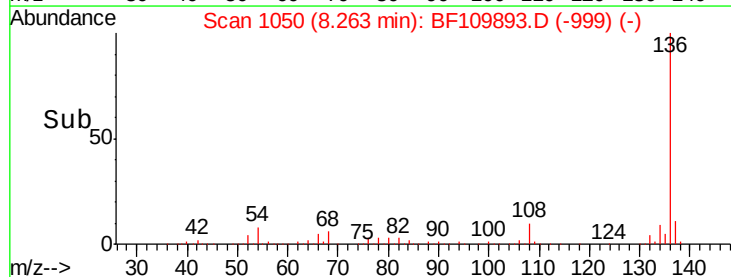
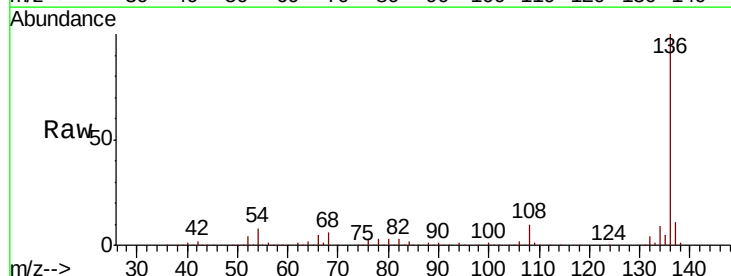
Instrument :
BNA_F
ClientSampleId :

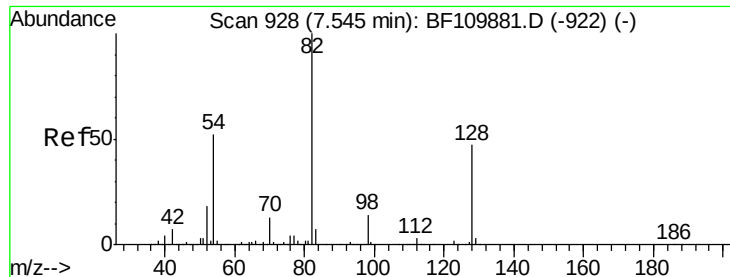
Tot Ion: 70 Resp: 91732
Ion Ratio Lower Upper
70 100
42 52.8 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion:136 Resp: 715512
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.9 5.4 8.2
68 6.1 4.2 6.2

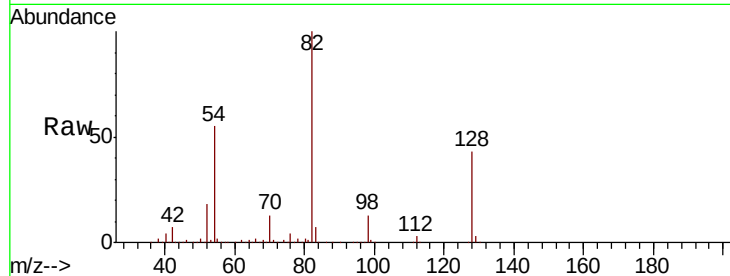




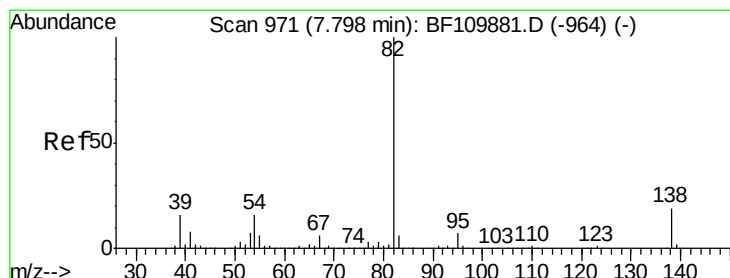
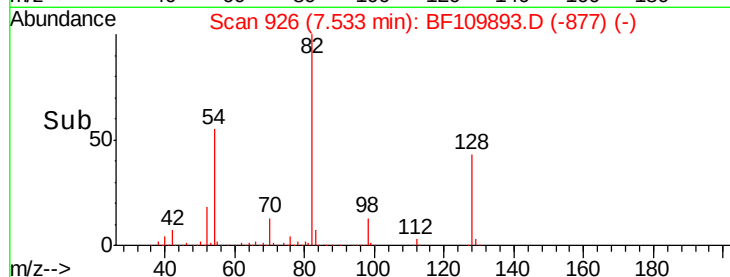
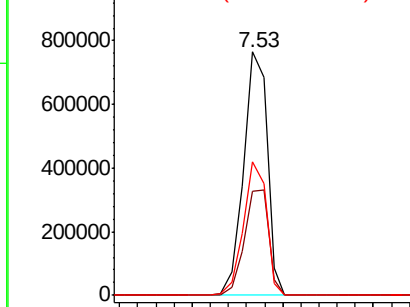
#23
Nitrobenzene-d5
Concen: 65.317 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	693770
Ion Ratio	Lower	Upper	
82	100		
128	42.7	34.2	51.2
54	54.6	38.6	58.0

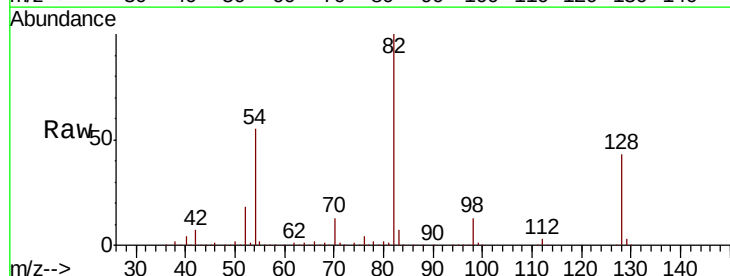


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

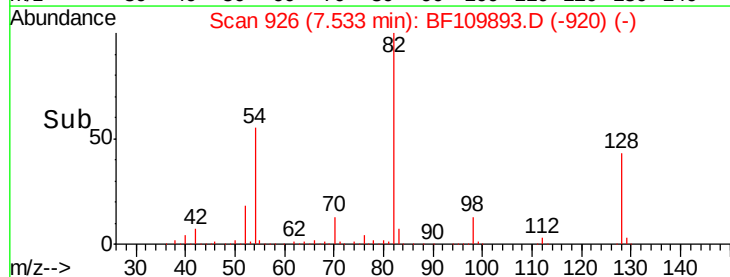
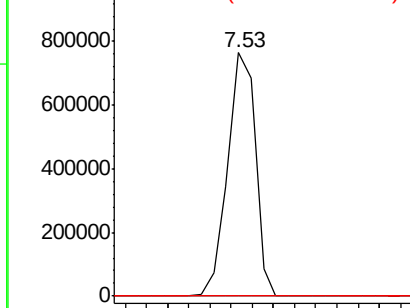


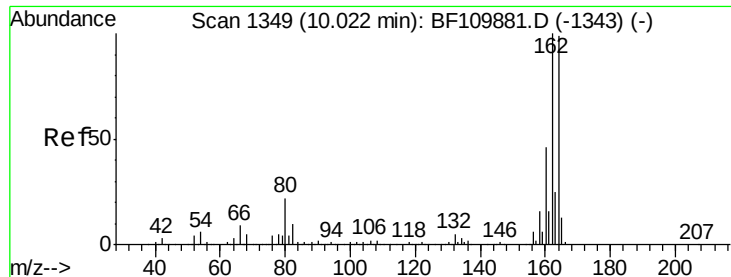
#25
Isophorone
Concen: 33.235 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion	82	Resp	693633
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

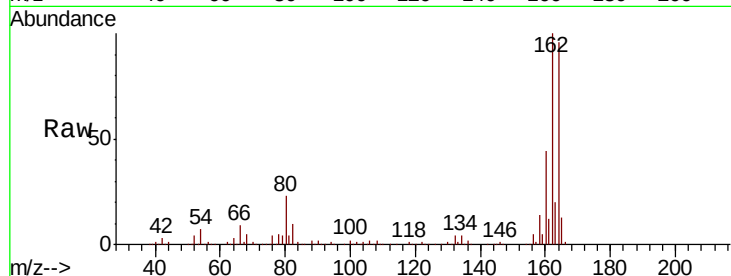




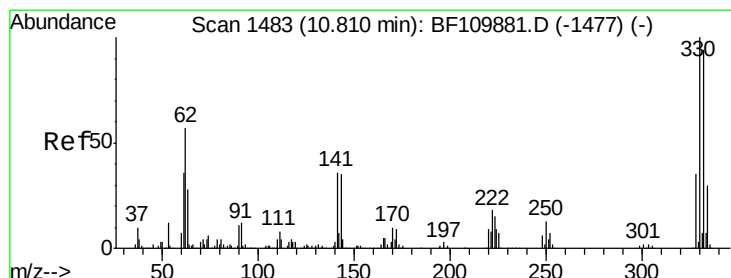
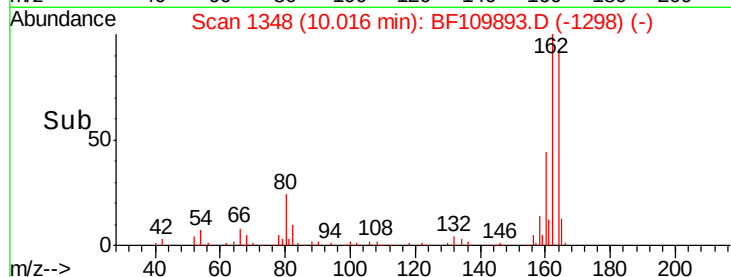
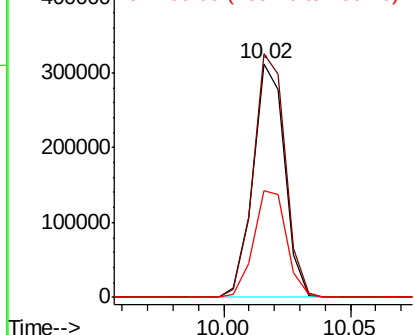
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 270854
Ion Ratio Lower Upper
164 100
162 104.1 83.0 124.6
160 45.7 37.0 55.6

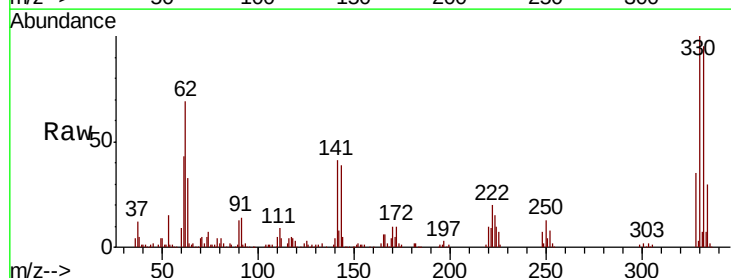


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

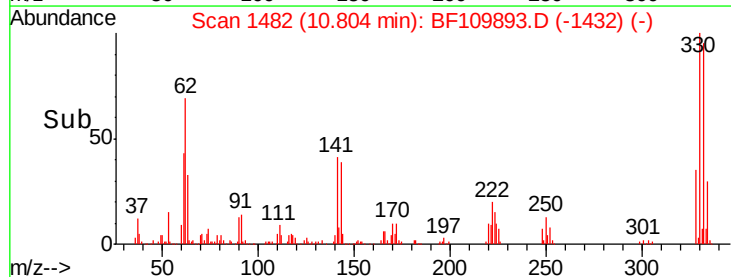
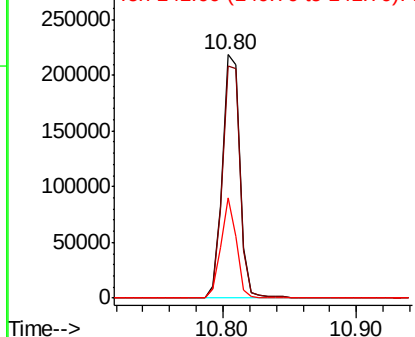


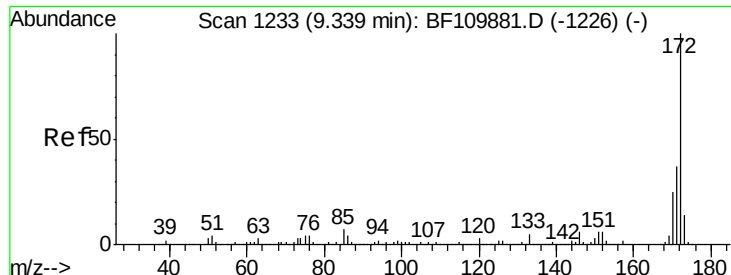
#42
2,4,6-Tribromophenol
Concen: 87.375 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion:330 Resp: 204892
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 36.4 27.0 40.4



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

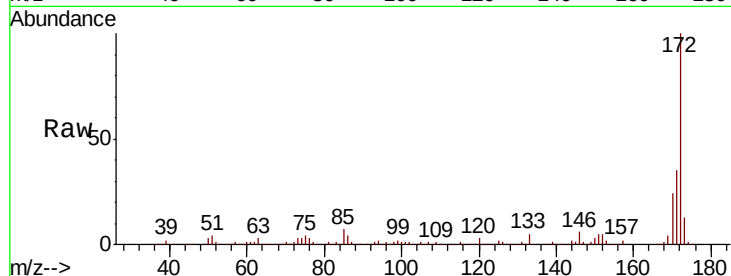




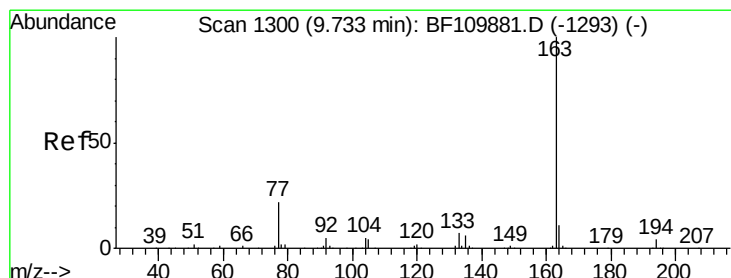
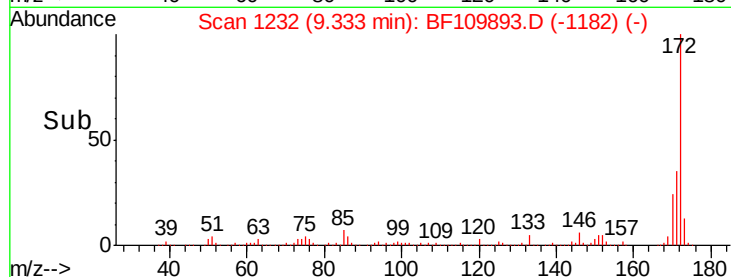
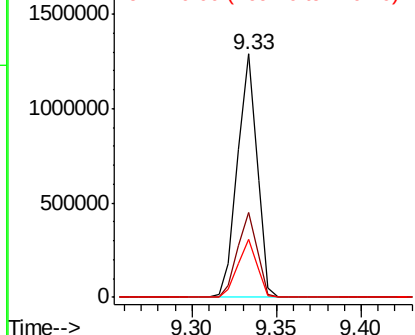
#45
2-Fluorobiphenyl
Concen: 61.200 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1038842
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.7 19.7 29.5

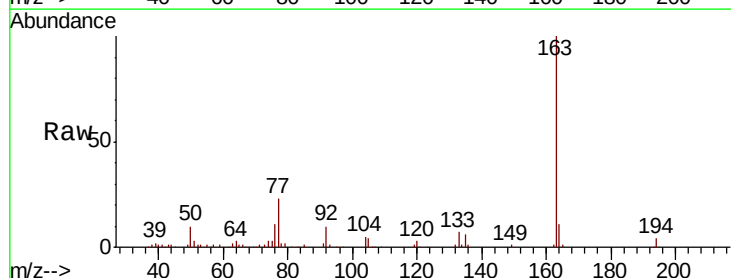


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

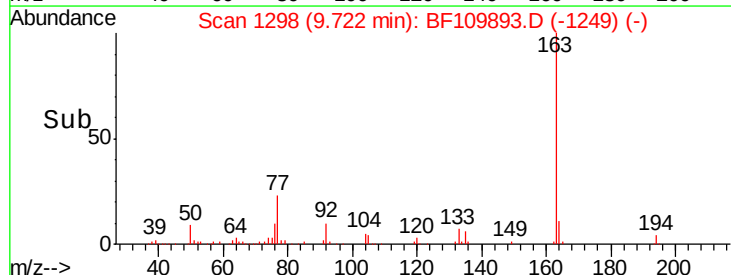
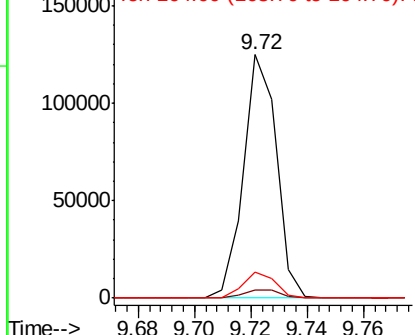


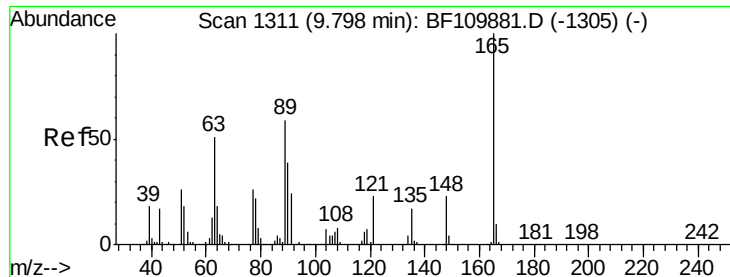
#50
Dimethylphthalate
Concen: 5.248 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion:163 Resp: 100656
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.7 8.1 12.1



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

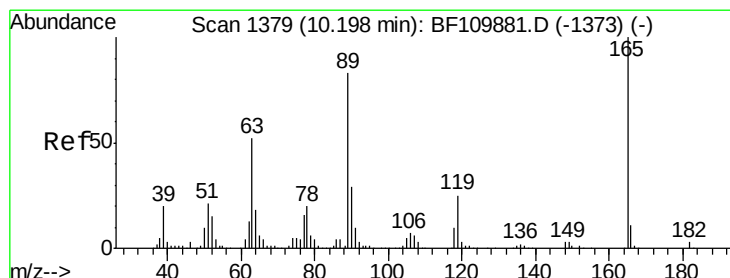
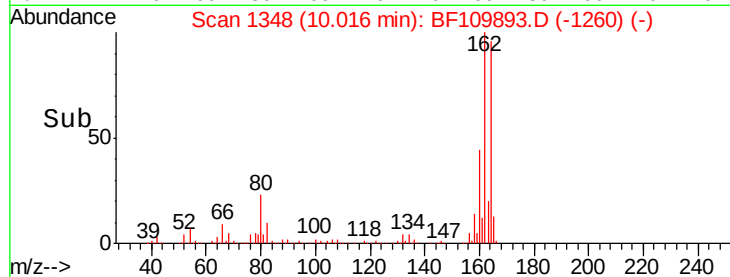
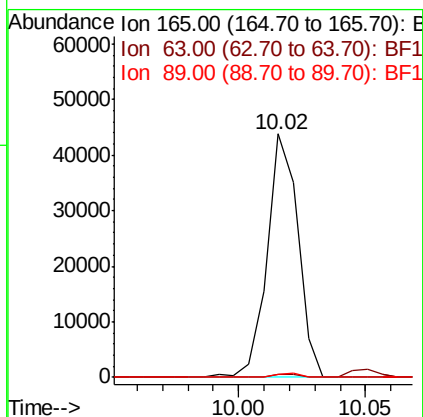
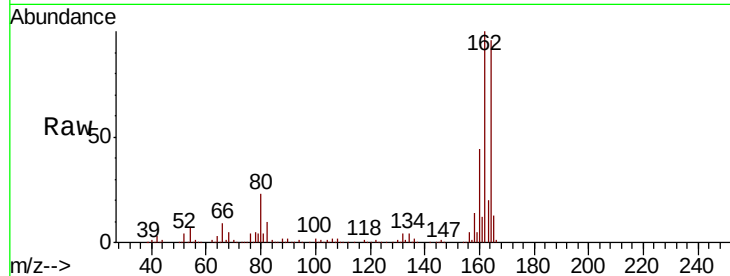




#51
 2,6-Dinitrotoluene
 Concen: 10.120 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.22 min
 Lab File: BF109893.D
 Acq: 15 Oct 2018 21:41

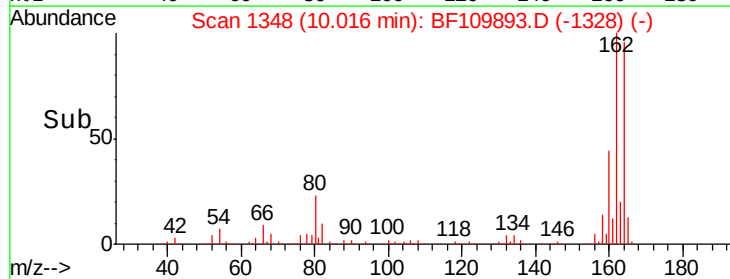
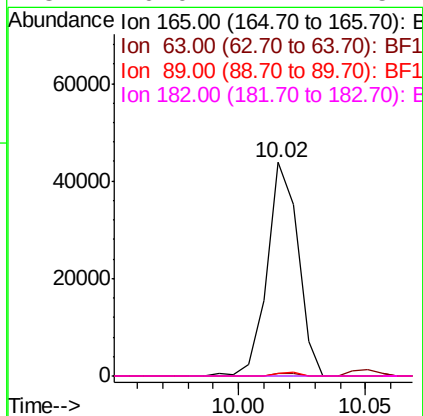
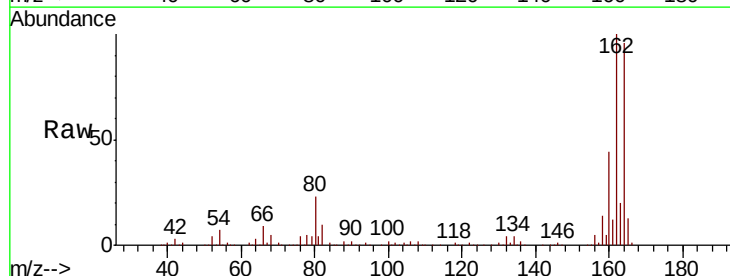
Instrument :
 BNA_F
 ClientSampleId :

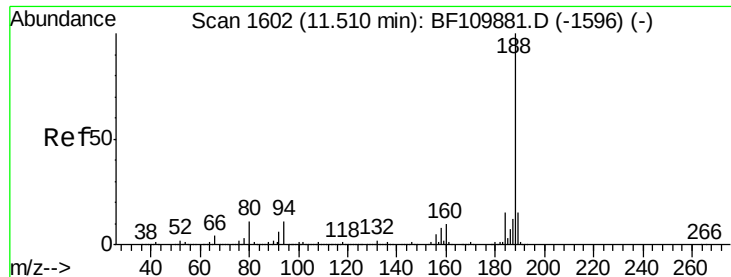
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	48.9	73.3#
89	1.1	46.6	69.8#



#57
 2,4-Dinitrotoluene
 Concen: 11.829 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.18 min
 Lab File: BF109893.D
 Acq: 15 Oct 2018 21:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.8	67.2#
89	1.1	62.2	93.4#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

Instrument :

BNA_F

ClientSampleId :

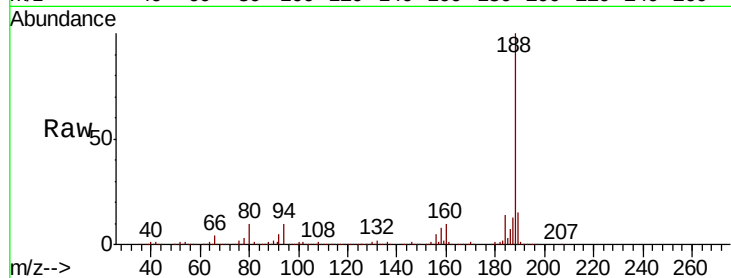
Tot Ion:188 Resp: 510066

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.2	10.8
80	10.2	7.9	11.9

188 100

94 10.1 7.2 10.8

80 10.2 7.9 11.9



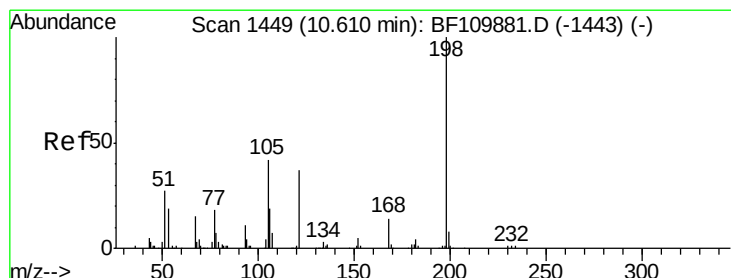
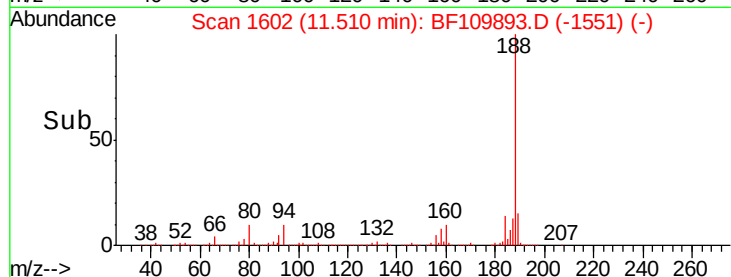
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.51

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 8.062 ng

RT: 10.80 min Scan# 1482

Delta R.T. 0.19 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

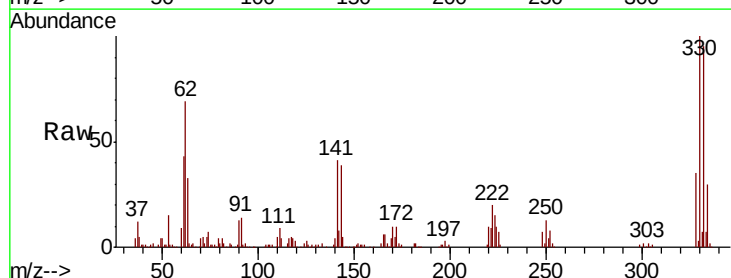
Tgt Ion:198 Resp: 349

Ion	Ratio	Lower	Upper
198	100		
51	240.3	22.8	62.8#
105	317.8	23.6	63.6#

198 100

51 240.3 22.8 62.8#

105 317.8 23.6 63.6#



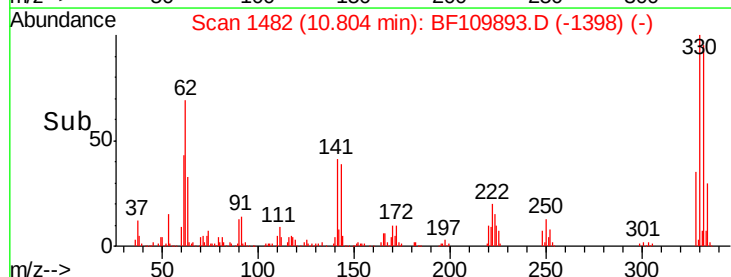
Abundance Ion 198.00 (197.70 to 198.70): E

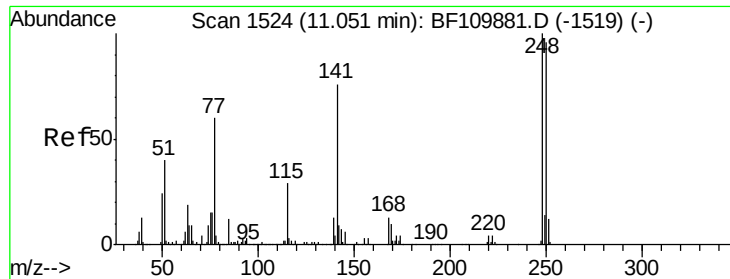
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

10.80

Time-->

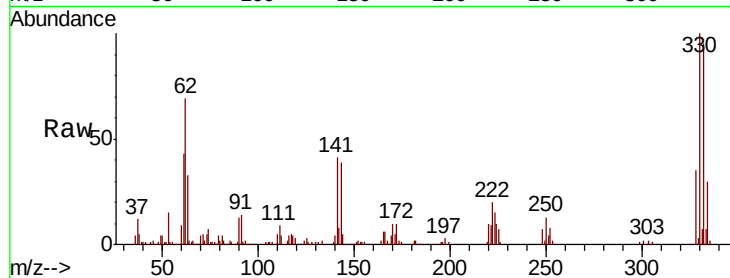




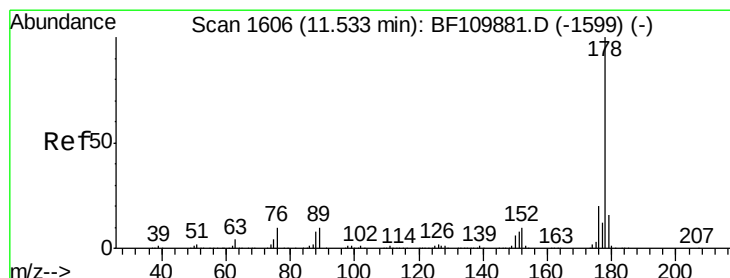
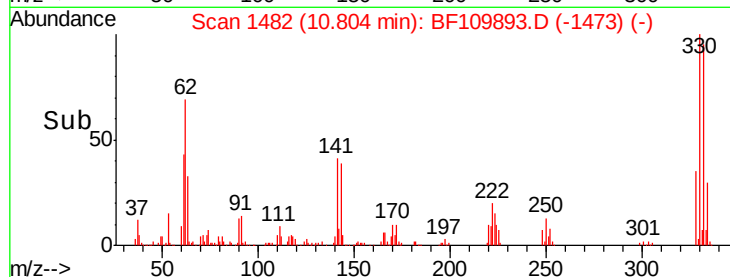
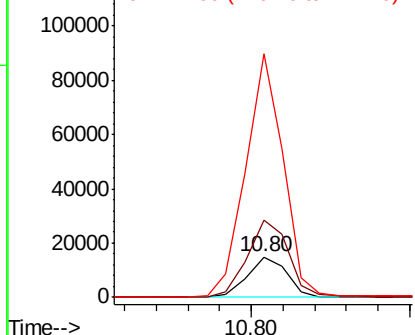
#67
 4-Bromophenyl-phenylether
 Concen: 2.329 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.25 min
 Lab File: BF109893.D
 Acq: 15 Oct 2018 21:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12872
 Ion Ratio Lower Upper
 248 100
 250 190.7 79.4 119.2#
 141 597.9 55.9 83.9#

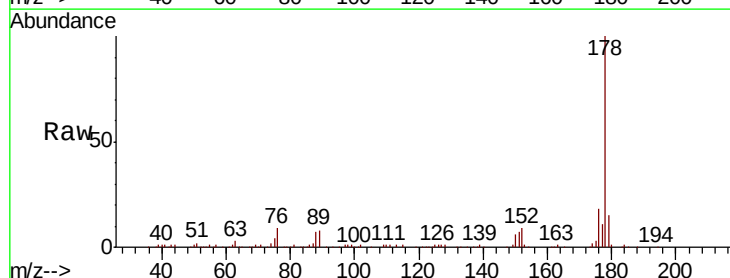


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

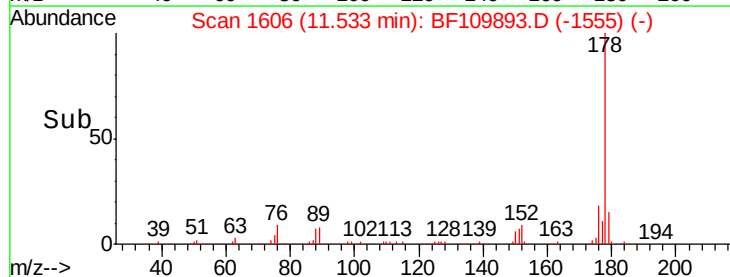
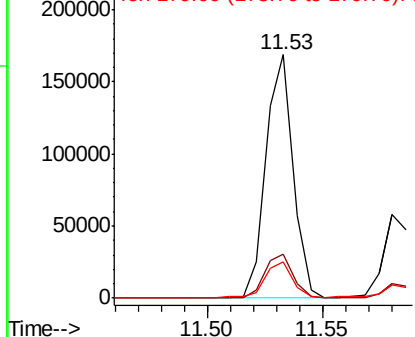


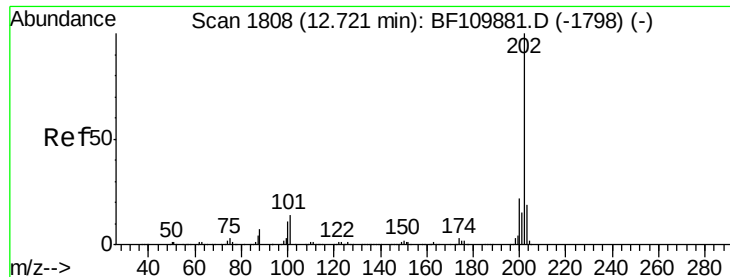
#71
 Phenanthrene
 Concen: 5.255 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.00 min
 Lab File: BF109893.D
 Acq: 15 Oct 2018 21:41

Tgt Ion:178 Resp: 138777
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.5 23.3
 179 15.1 12.5 18.7



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





#75

Fluoranthene

Concen: 14.442 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

Instrument :

BNA_F

ClientSampleId :

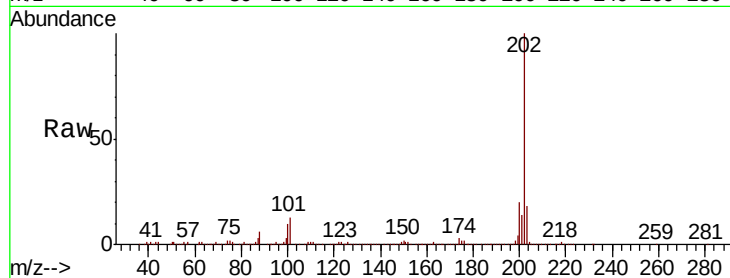
Tot Ion:202 Resp: 380978

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.4

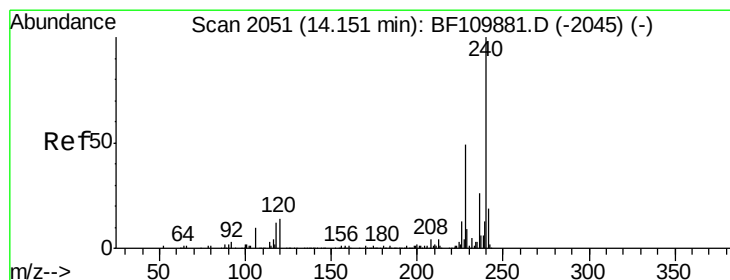
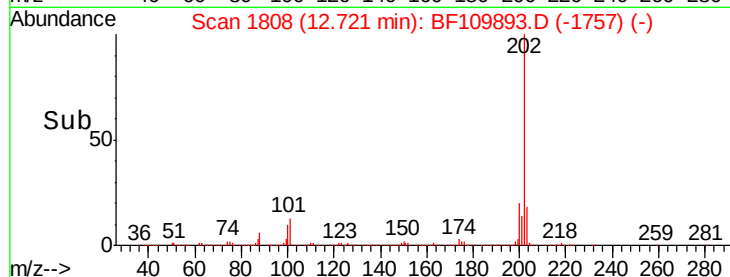
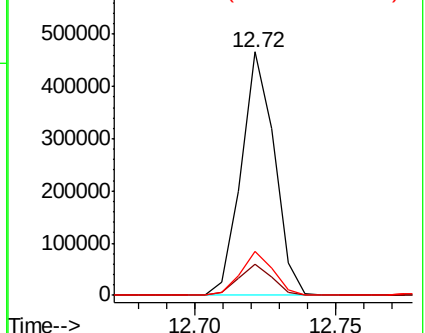
203 17.8 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

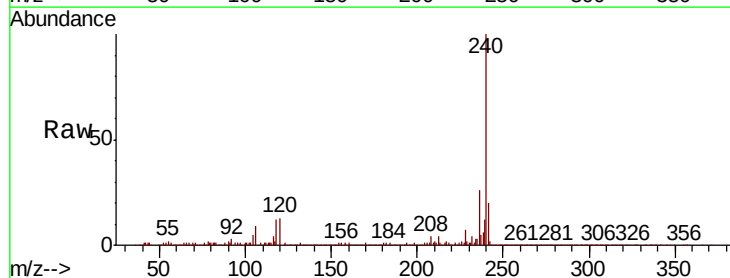
Tgt Ion:240 Resp: 562655

Ion Ratio Lower Upper

240 100

120 13.2 8.3 12.5#

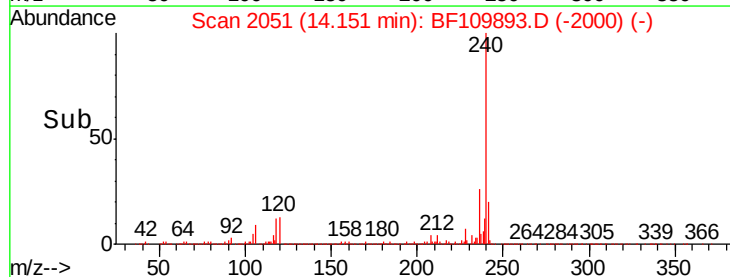
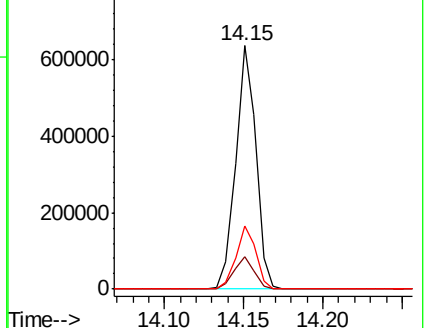
236 25.9 21.2 31.8

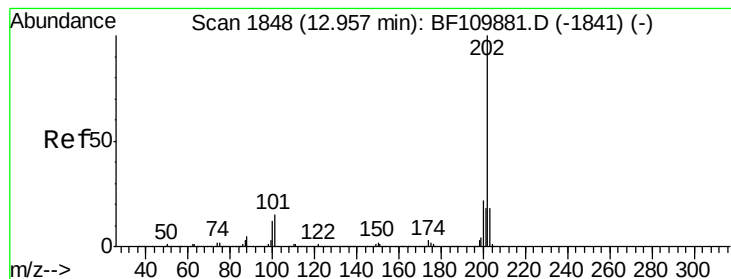


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.713 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

Instrument :

BNA_F

ClientSampleId :

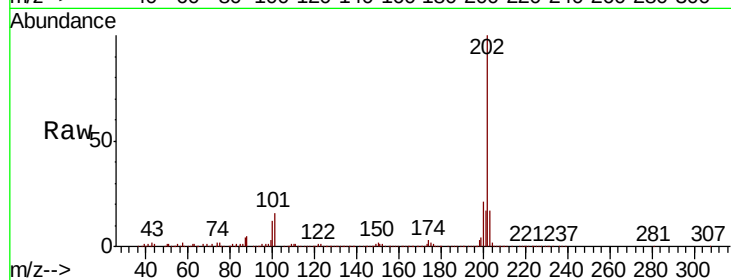
Tot Ion:202 Resp: 360060

Ion Ratio Lower Upper

202 100

200 20.8 17.8 26.6

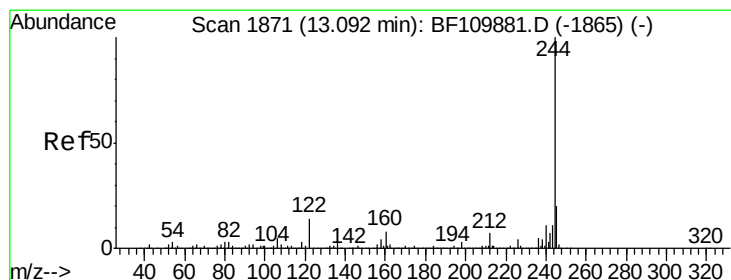
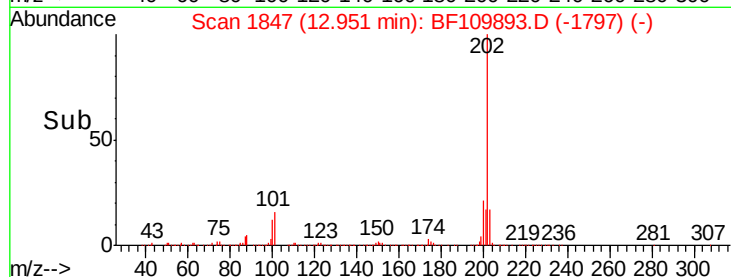
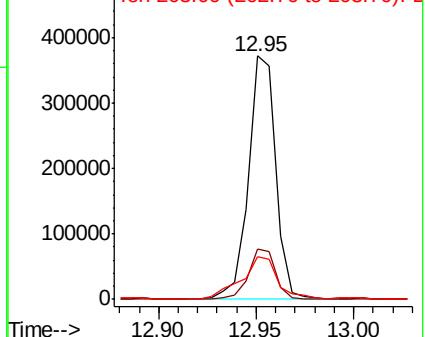
203 17.3 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 39.635 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

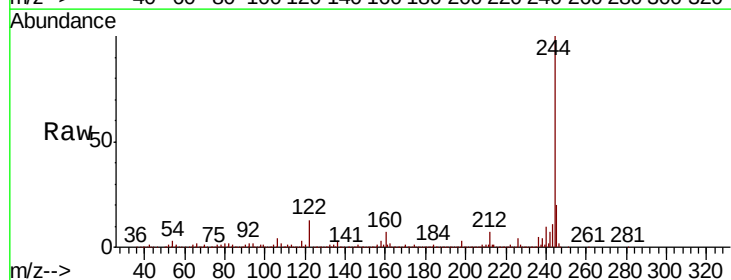
Tgt Ion:244 Resp: 1061994

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

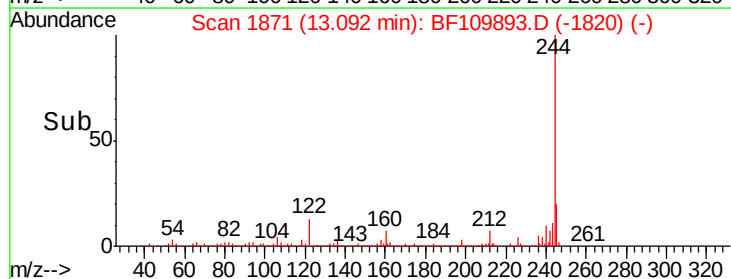
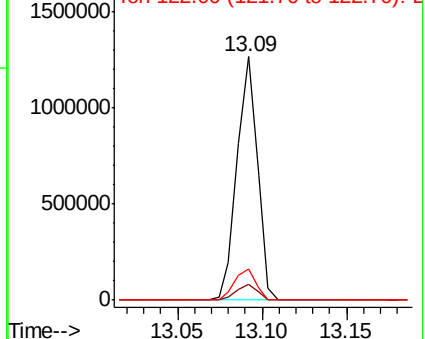
122 12.8 8.7 13.1

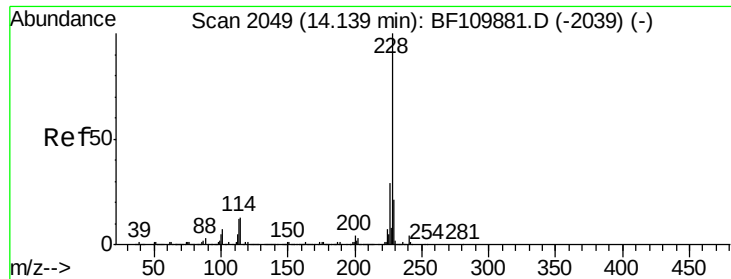


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.829 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

Instrument :

BNA_F

ClientSampleId :

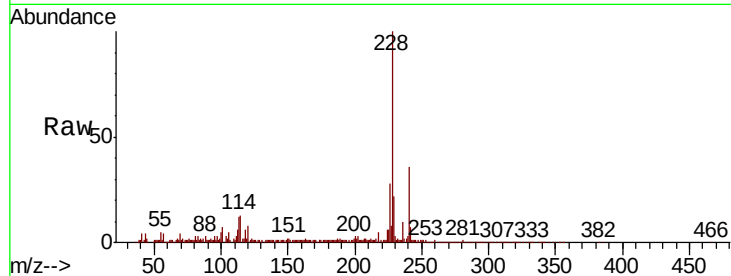
Tot Ion:228 Resp: 193170

Ion Ratio Lower Upper

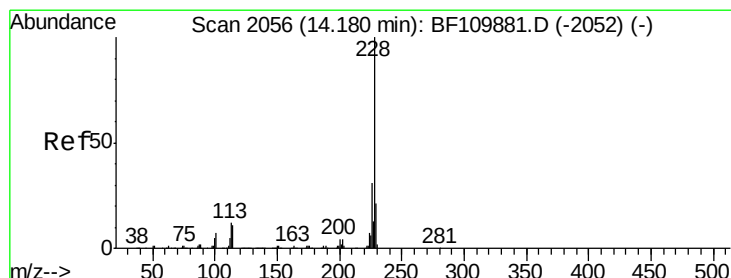
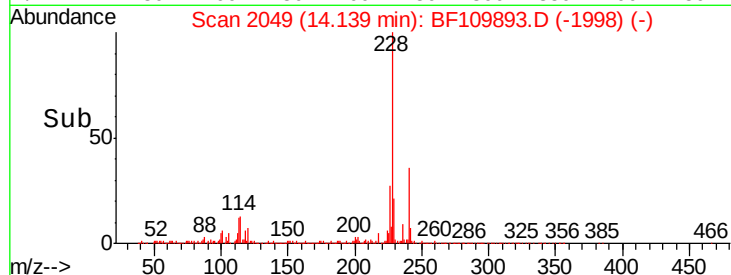
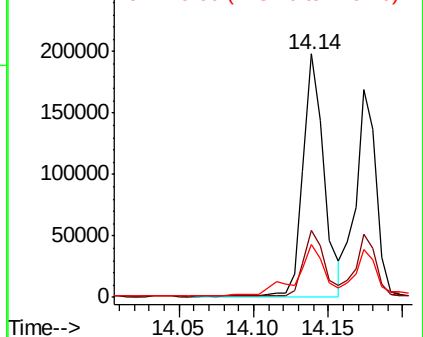
228 100

226 27.7 22.1 33.1

229 21.7 15.6 23.4



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



#83

Chrysene

Concen: 5.147 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF109893.D

Acq: 15 Oct 2018 21:41

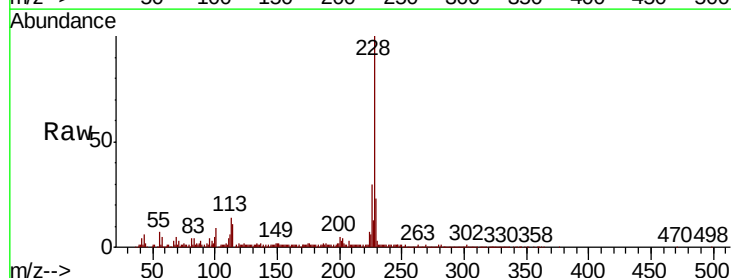
Tgt Ion:228 Resp: 162360

Ion Ratio Lower Upper

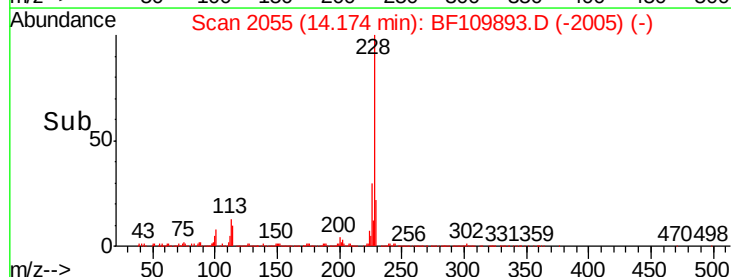
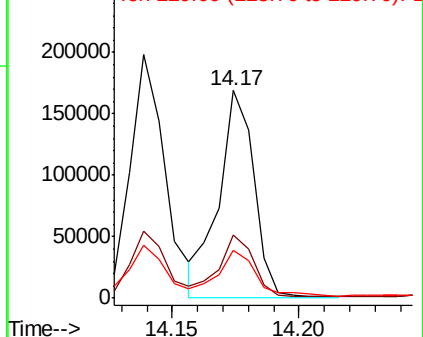
228 100

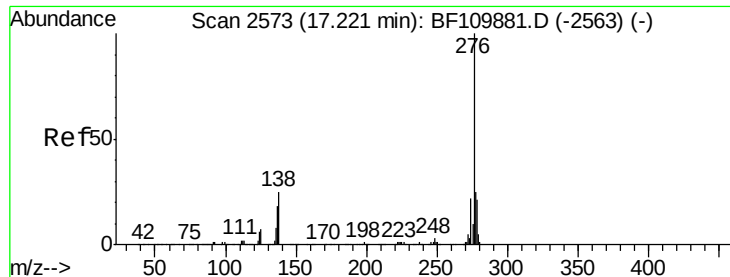
226 30.4 24.7 37.1

229 23.0 15.9 23.9



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

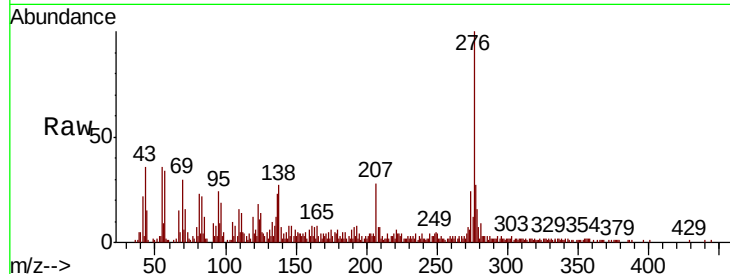




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.345 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.00 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	18.5	27.7
277	27.5	20.0	30.0

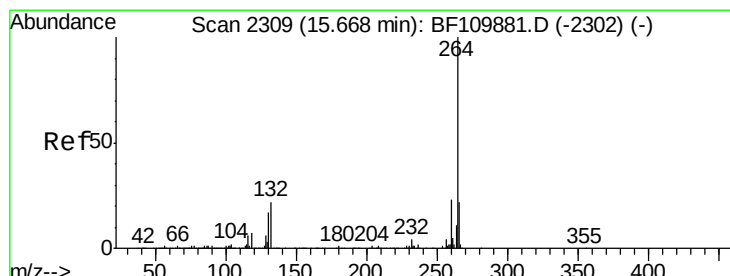
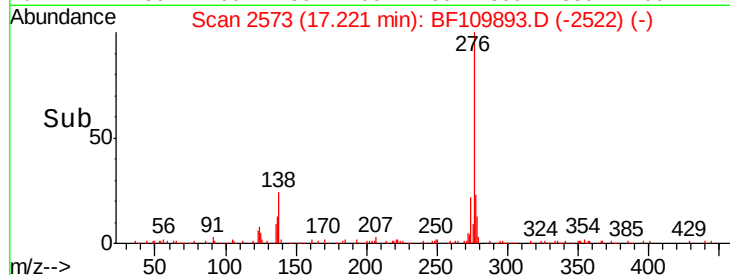
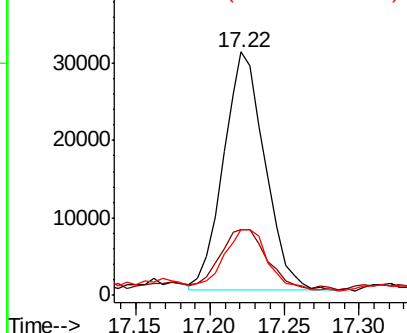


Abundance

Ion 276.00 (275.70 to 276.70): E

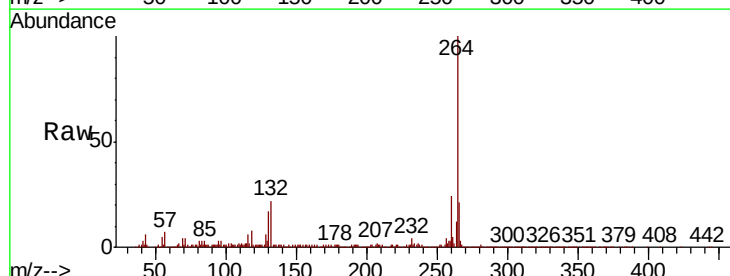
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.0	16.7	25.1

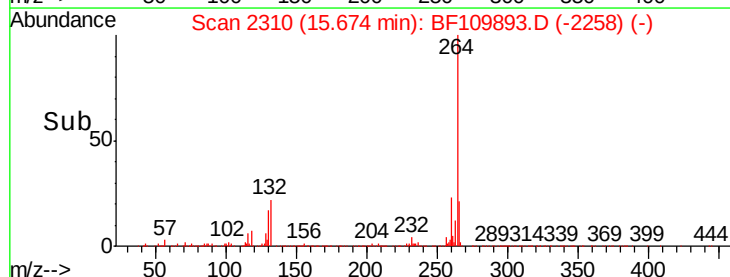
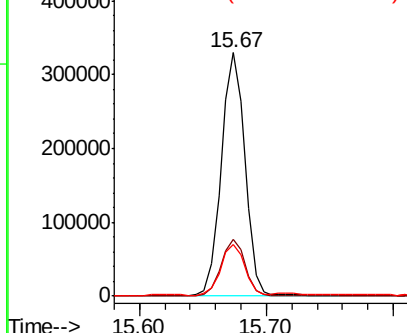


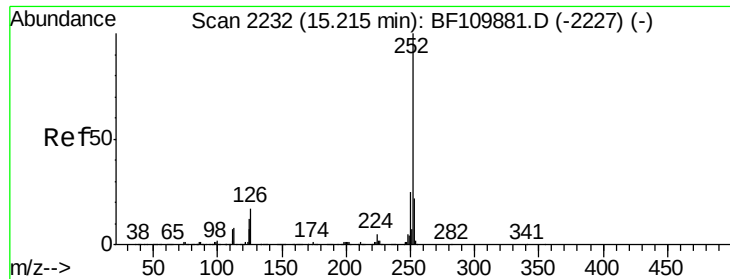
Abundance

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

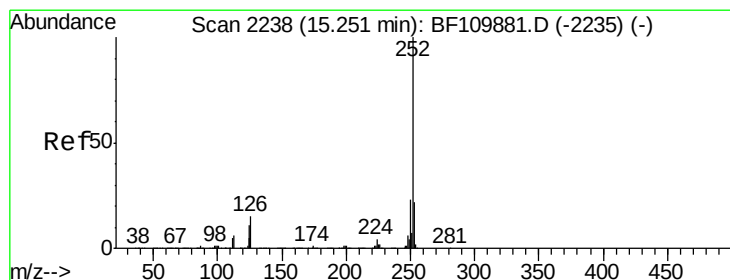
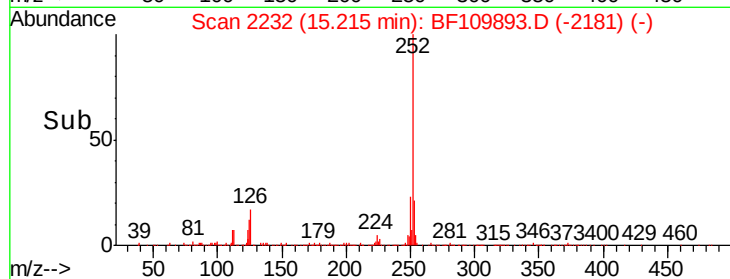
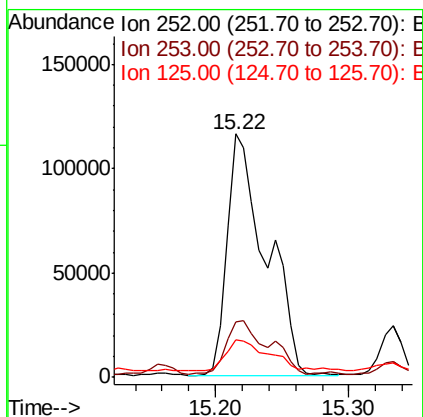
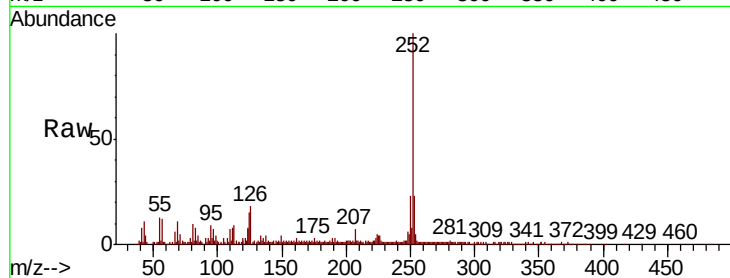




#88
Benzo(b)fluoranthene
Concen: 9.647 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

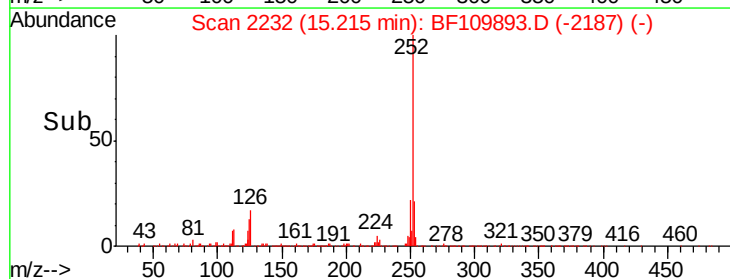
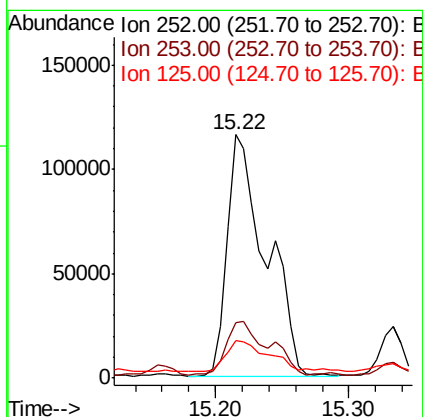
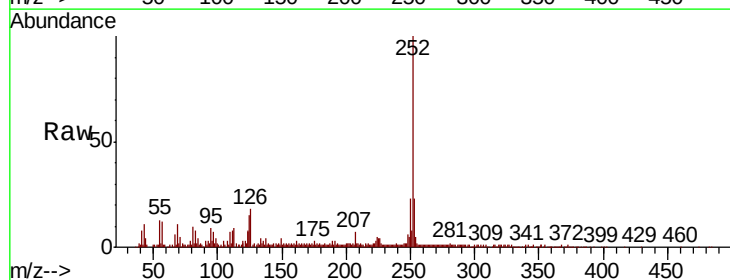
Instrument :
BNA_F
ClientSampleId :

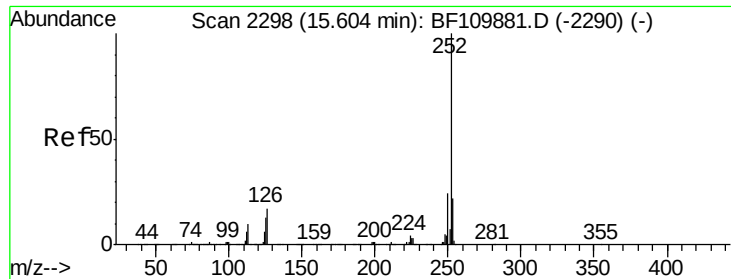
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	15.5	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 9.787 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	15.5	7.4	11.0

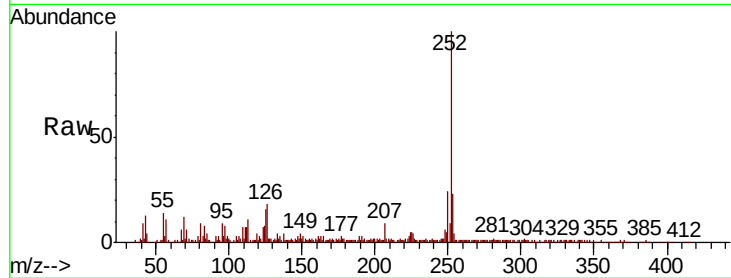




#90
Benzo(a)pyrene
Concen: 5.484 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.00 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	16.5	9.0	13.6

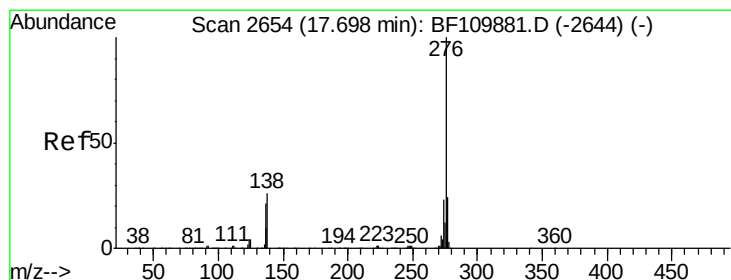
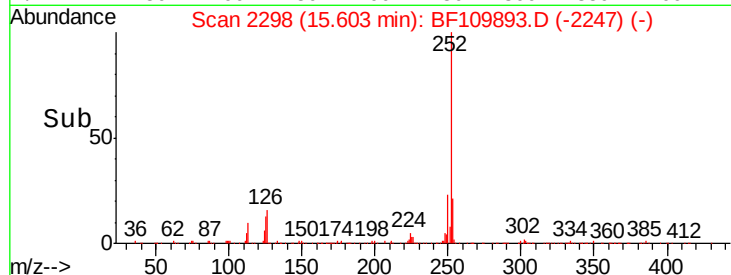
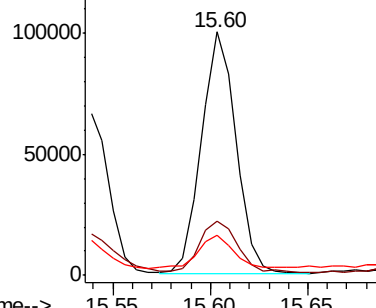


Abundance

Ion 252.00 (251.70 to 252.70): E

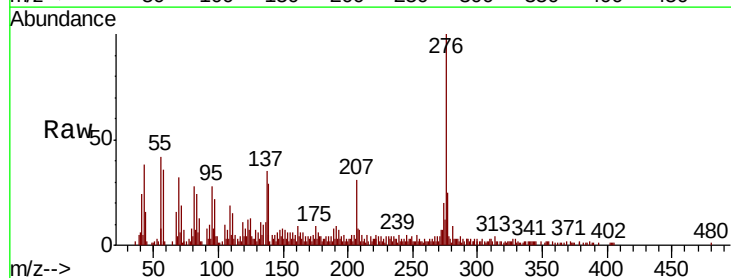
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.876 ng
RT: 17.69 min Scan# 2653
Delta R.T. -0.01 min
Lab File: BF109893.D
Acq: 15 Oct 2018 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	29.3	16.0	24.0



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

