

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099193.D
 Acq On : 7 Oct 2017 14:42
 Operator : SJ/JU
 Sample : I5587-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:34:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	135874	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	533577	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	220164	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	314324	20.00	ng	0.00
75) Chrysene-d12	14.03	240	205719	20.00	ng	0.00
86) Perylene-d12	15.52	264	197526	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	899598	105.40	ng	0.01
7) Phenol-d6	6.50	99	1107322	105.17	ng	0.00
23) Nitrobenzene-d5	7.43	82	691345	83.09	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	170173	94.46	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1180805	89.54	ng	0.00
78) Terphenyl-d14	12.97	244	737641	81.55	ng	0.00

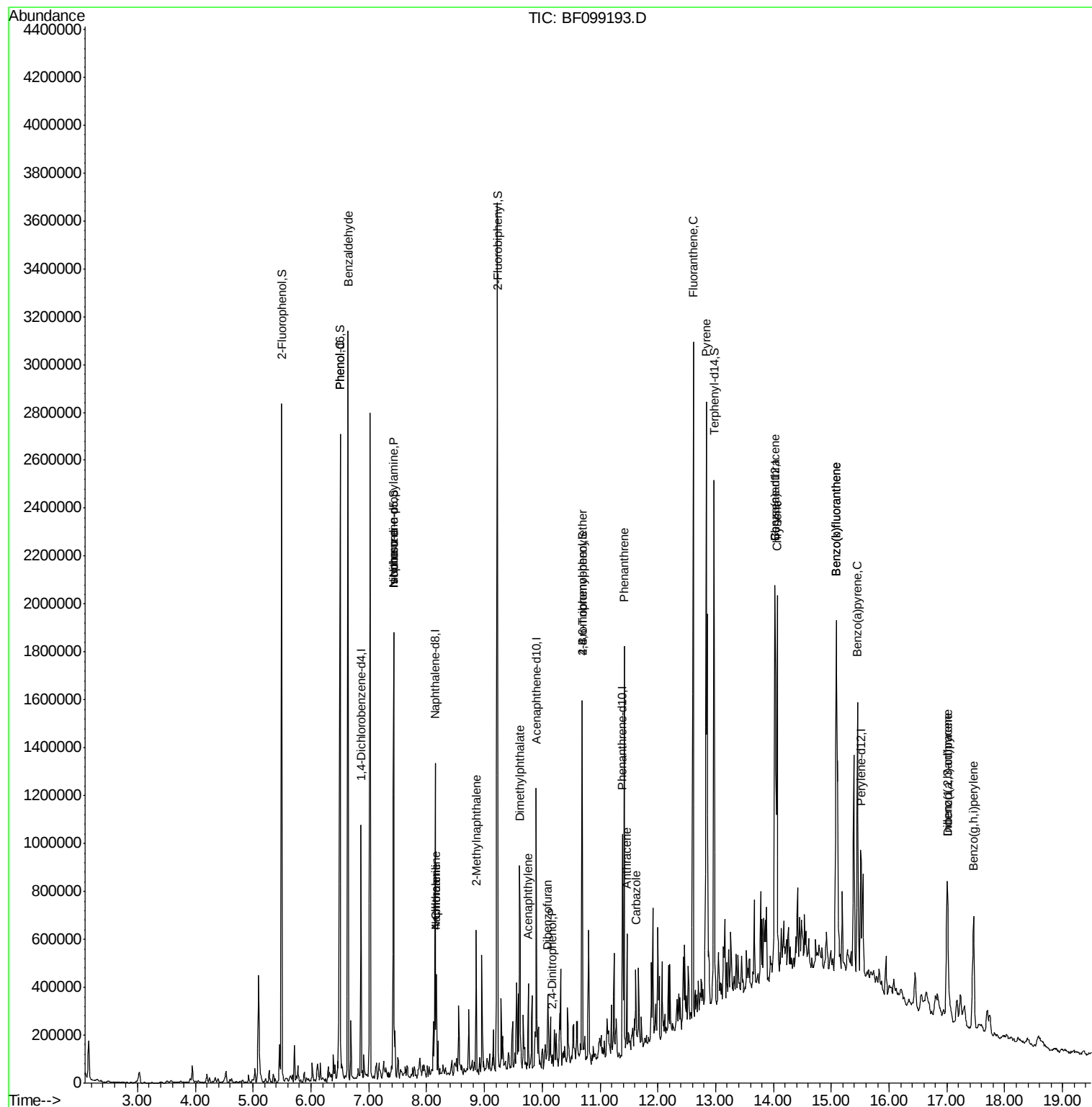
Target Compounds				Qvalue		
9) Benzaldehyde	6.64	77	19089	3.125	ng	87
10) Phenol	6.51	94	36162	3.071	ng	81
19) n-Nitroso-di-n-propylamine	7.43	70	94004	13.983	ng	# 74
25) Isophorone	7.43	82	690340	40.131	ng	# 64
31) Naphthalene	8.17	128	173193	6.911	ng	97
33) 4-Chloroaniline	8.16	127	23010	2.199	ng	# 35
37) 2-Methylnaphthalene	8.86	142	143980	8.838	ng	99
48) Acenaphthylene	9.76	152	115906	5.329	ng	99
49) Dimethylphthalate	9.61	163	232762	14.008	ng	99
53) 2,4-Dinitrophenol	10.18	184	1816	6.722	ng	# 56
54) Dibenzofuran	10.10	168	70177	3.826	ng	97
66) 4-Bromophenyl-phenylether	10.69	248	11750	3.819	ng	# 1
70) Phenanthrene	11.42	178	647899	38.508	ng	98
71) Anthracene	11.46	178	179397	10.421	ng	98
72) Carbazole	11.62	167	104090	6.174	ng	99
74) Fluoranthene	12.61	202	1212825	71.187	ng	99
77) Pyrene	12.84	202	1053354	67.149	ng	100
80) Benzo(a)anthracene	14.02	228	638902	51.289	ng	97
82) Chrysene	14.06	228	654773	55.211	ng	98
85) Indeno(1,2,3-cd)pyrene	17.01	276	387080	40.802	ng	97
87) Benzo(b)fluoranthene	15.09	252	1200123	98.819	ng	# 94
88) Benzo(k)fluoranthene	15.09	252	1200123	100.049	ng	97
89) Benzo(a)pyrene	15.46	252	537220	48.190	ng	# 95
90) Dibenz(a,h)anthracene	17.01	278	91170	10.219	ng	# 77
91) Benzo(g,h,i)perylene	17.46	276	373872	42.394	ng	96

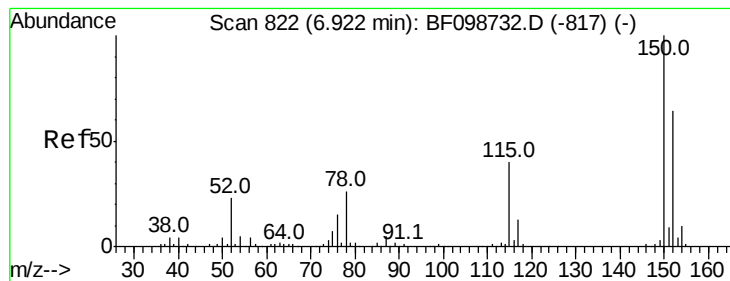
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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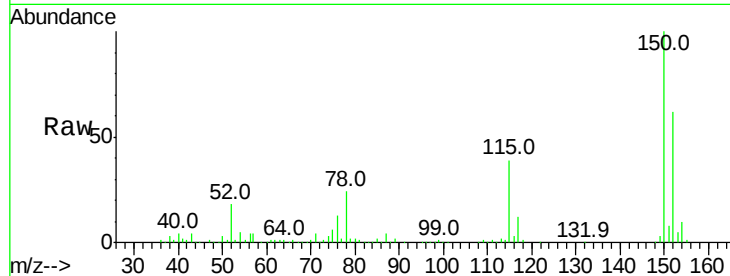


#1

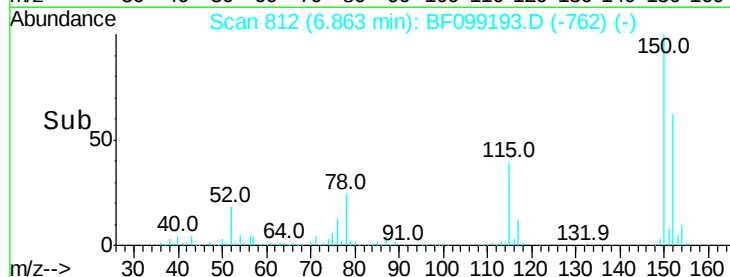
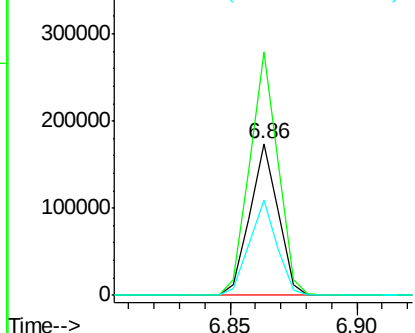
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 135874
 Ion Ratio Lower Upper
 152 100
 150 160.1 124.6 186.8
 115 62.6 50.1 75.1



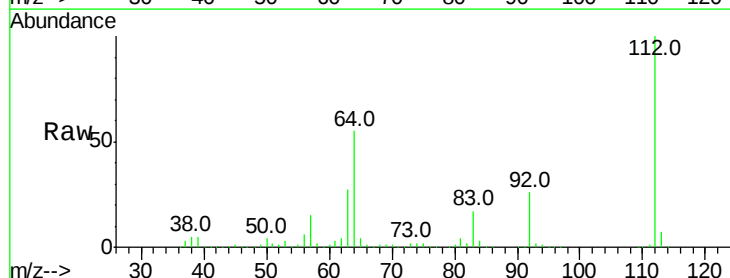
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



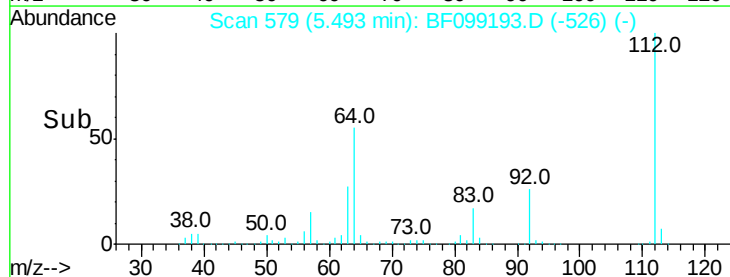
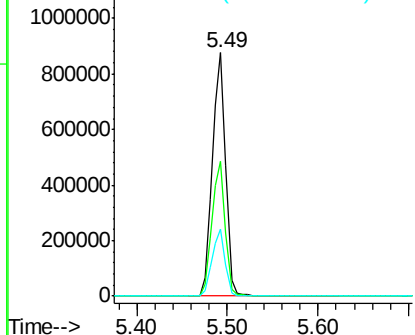
#5

2-Fluorophenol
 Concen: 105.397 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Tgt Ion:112 Resp: 899598
 Ion Ratio Lower Upper
 112 100
 64 55.3 47.9 71.9
 63 27.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.166 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampled :

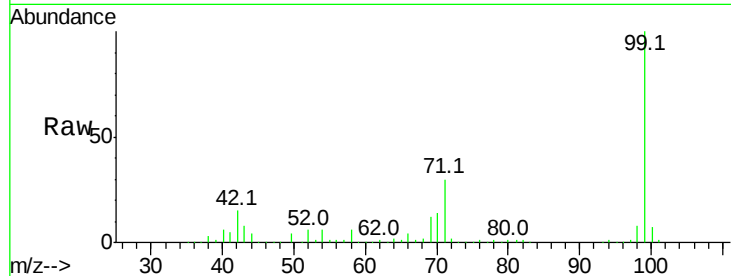
Tot Ion: 99 Resp: 1107322

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

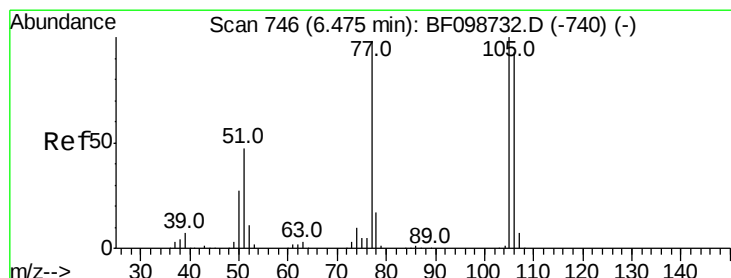
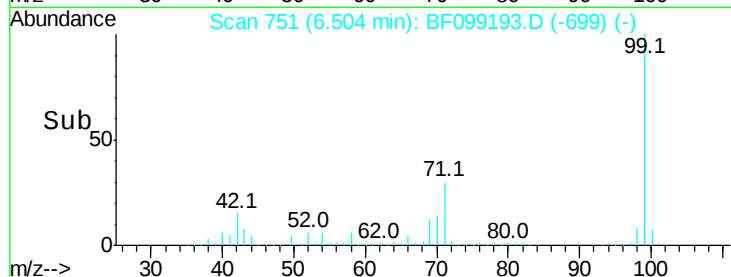
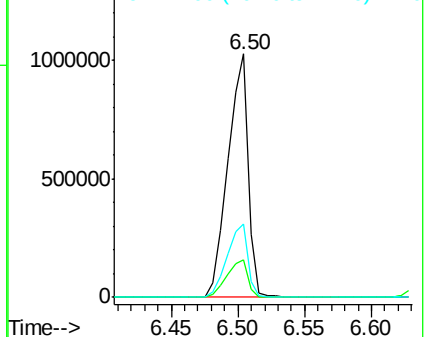
71 30.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.125 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

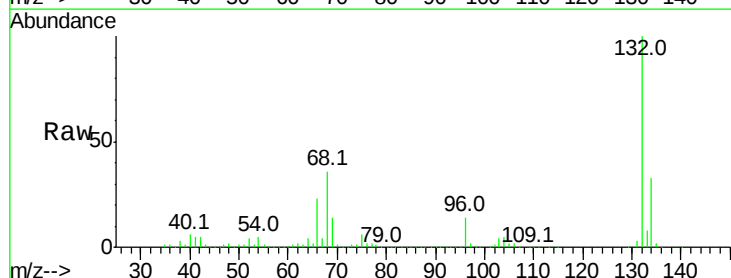
Tgt Ion: 77 Resp: 19089

Ion Ratio Lower Upper

77 100

105 86.6 81.1 121.1

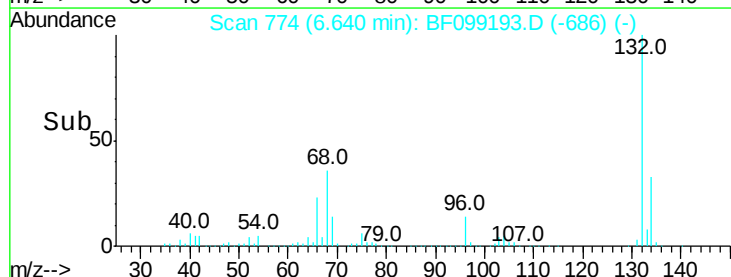
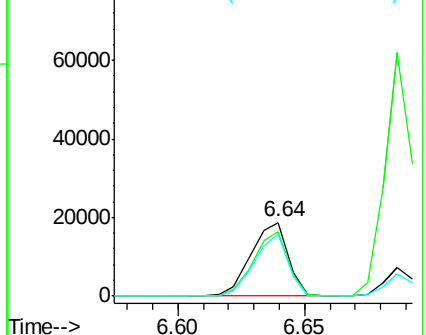
106 83.0 74.5 114.5

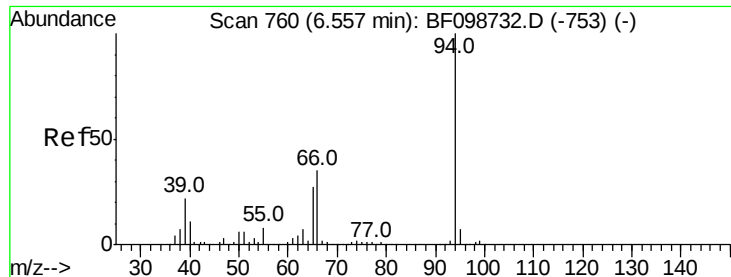


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 3.071 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

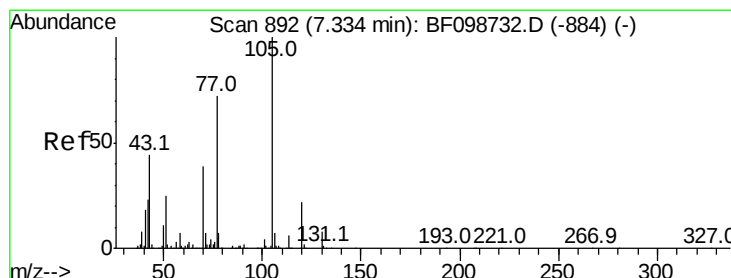
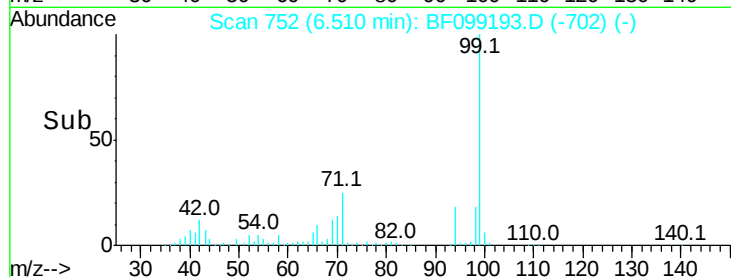
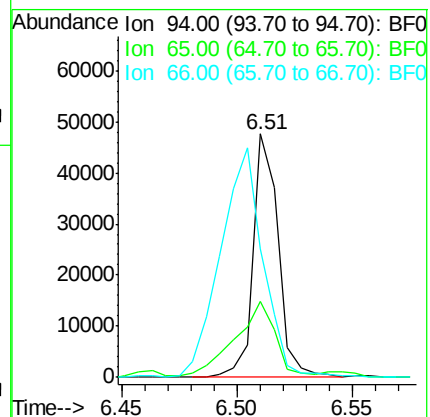
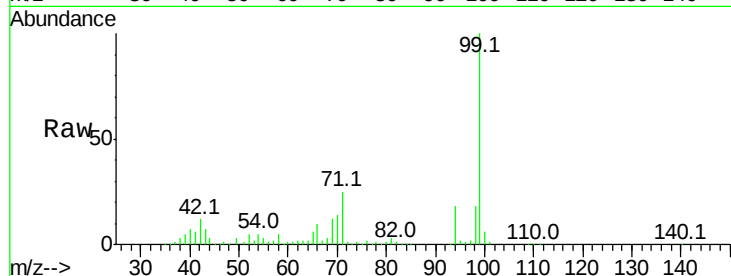
Tot Ion: 94 Resp: 36162

Ion Ratio Lower Upper

94 100

65 31.5 7.9 47.9

66 52.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.983 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Tgt Ion: 70 Resp: 94004

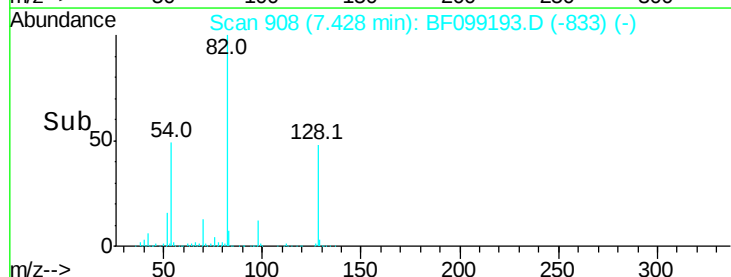
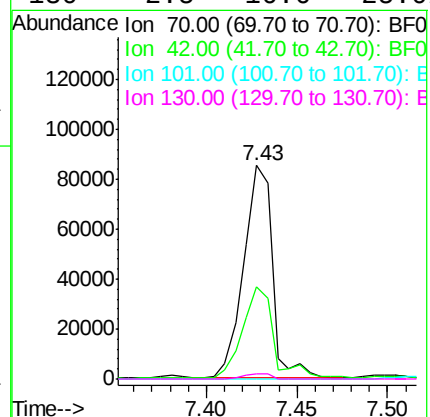
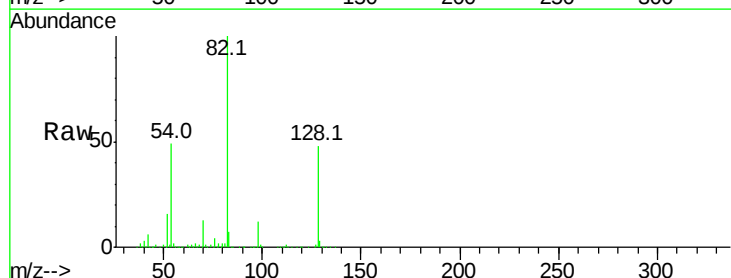
Ion Ratio Lower Upper

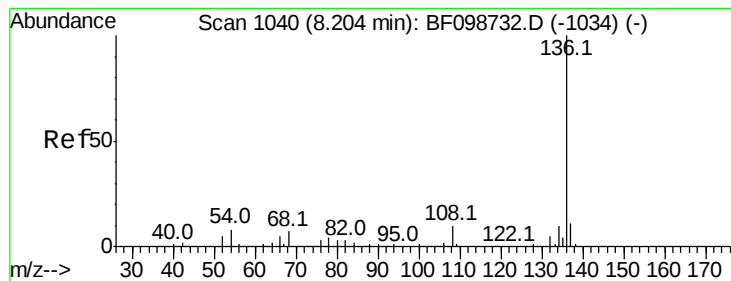
70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 533577

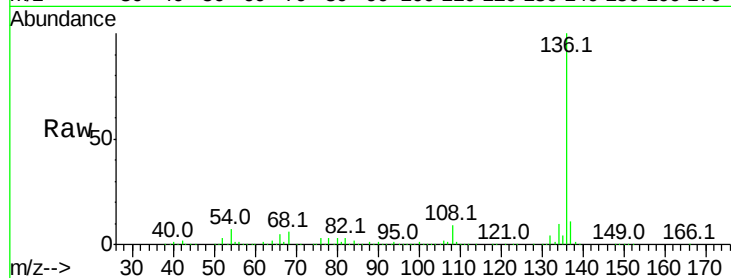
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 6.6 9.8

68 6.1 5.0 7.4

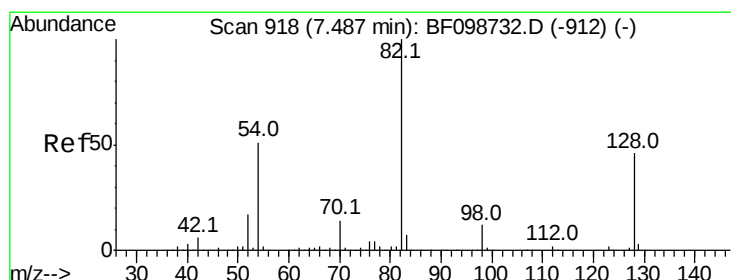
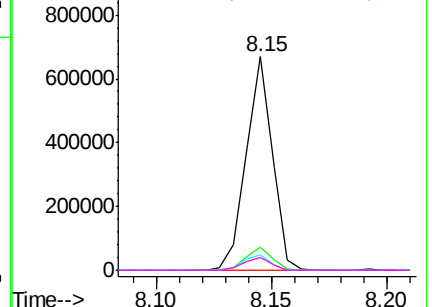
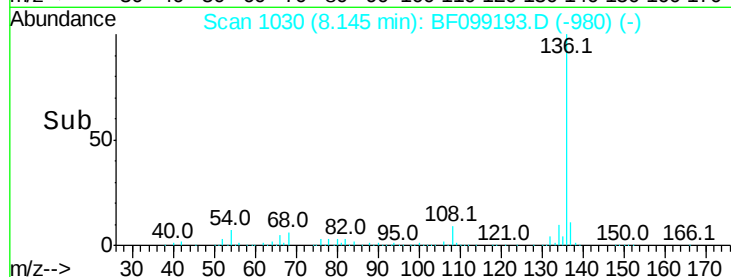


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 83.092 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

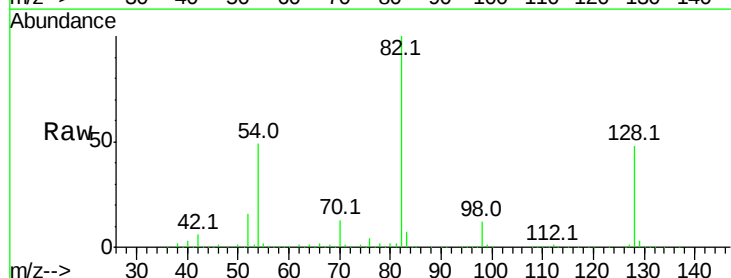
Tgt Ion: 82 Resp: 691345

Ion Ratio Lower Upper

82 100

128 47.7 36.1 54.1

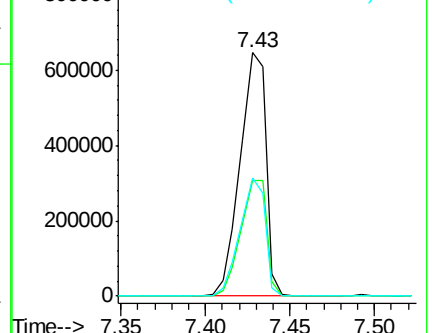
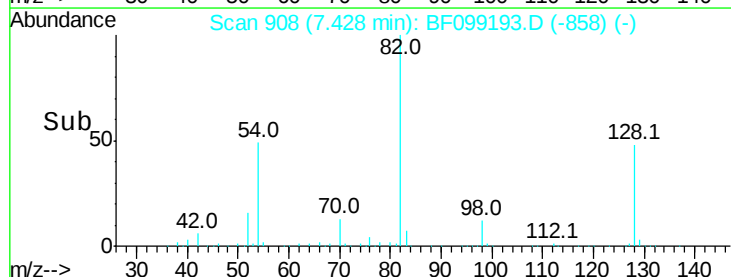
54 48.7 41.4 62.2

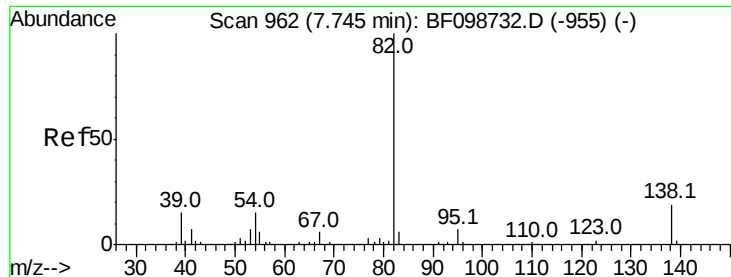


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.131 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampled :

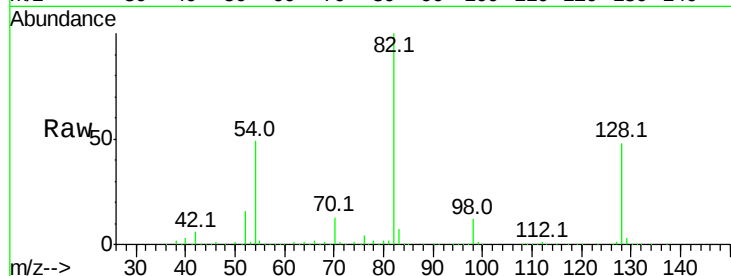
Tot Ion: 82 Resp: 690340

Ion Ratio Lower Upper

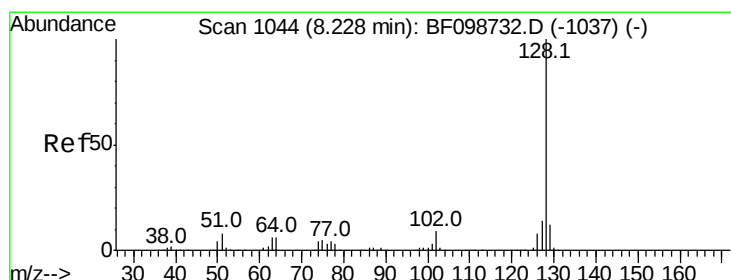
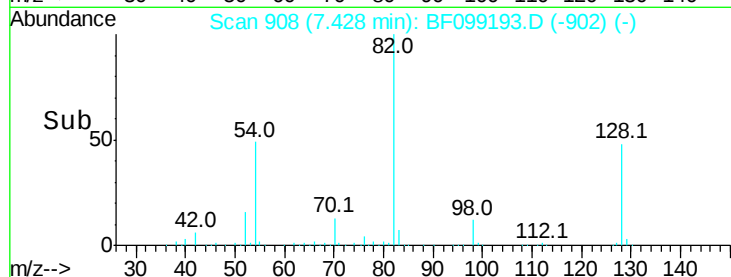
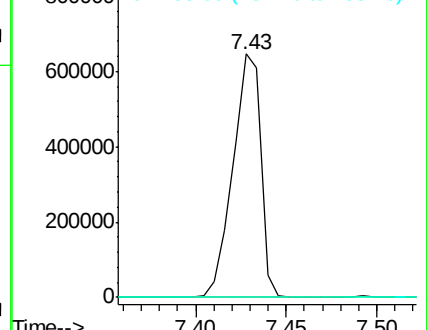
82 100

95 0.3 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 6.911 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

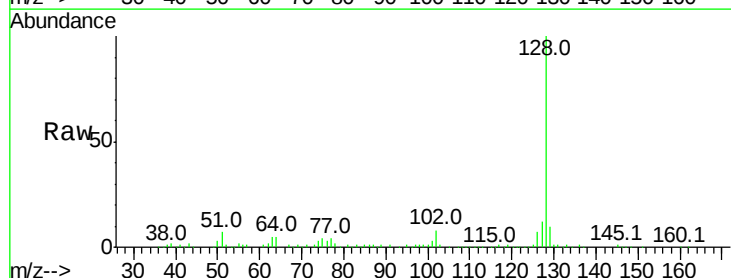
Tgt Ion: 128 Resp: 173193

Ion Ratio Lower Upper

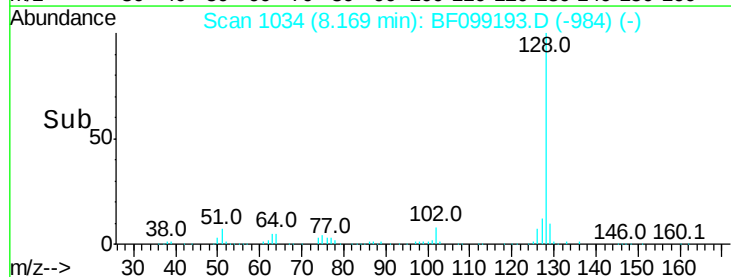
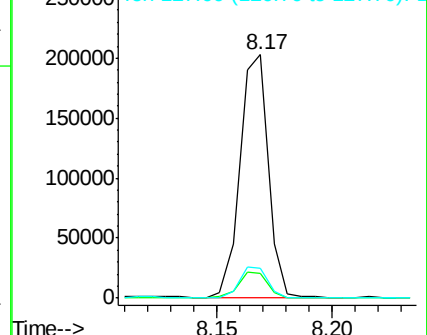
128 100

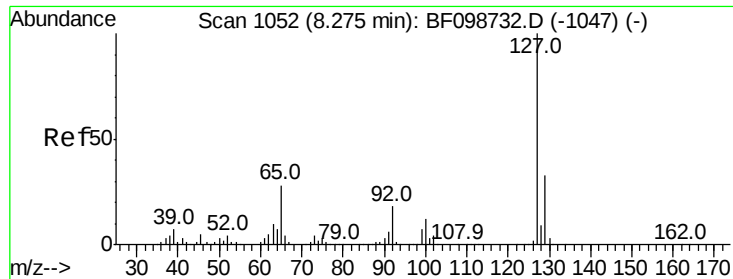
129 10.1 8.8 13.2

127 12.3 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

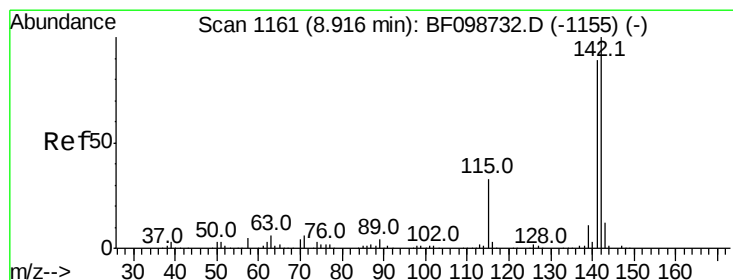
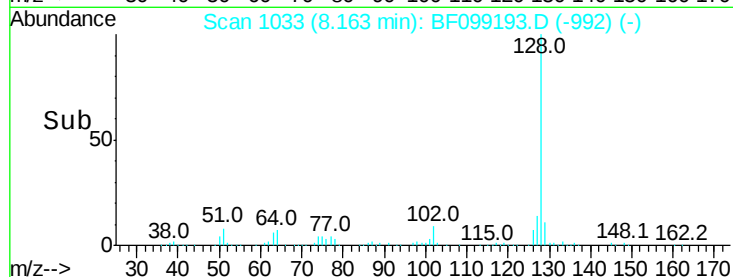
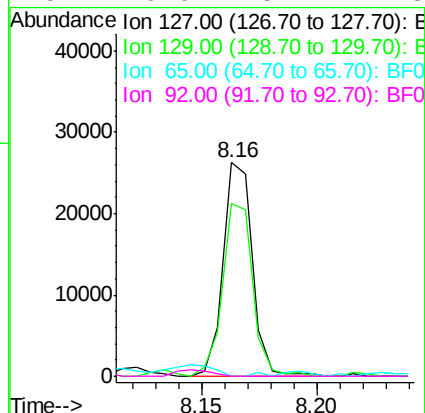
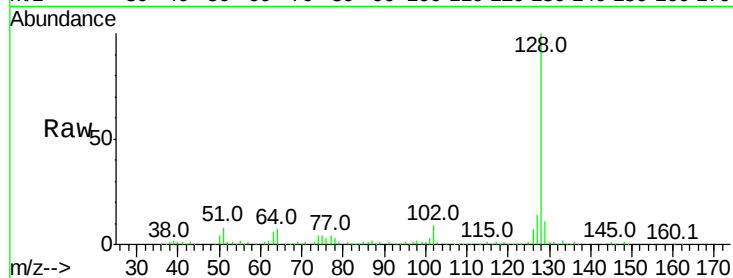




#33
4-Chloroaniline
Concen: 2.199 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

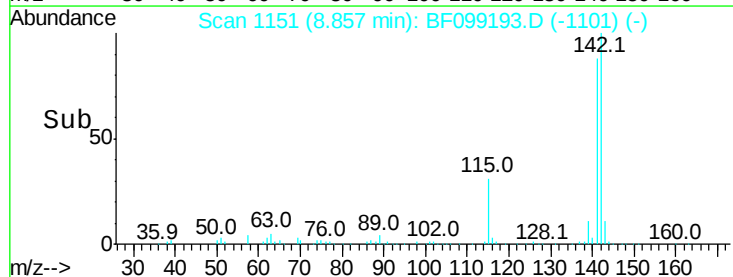
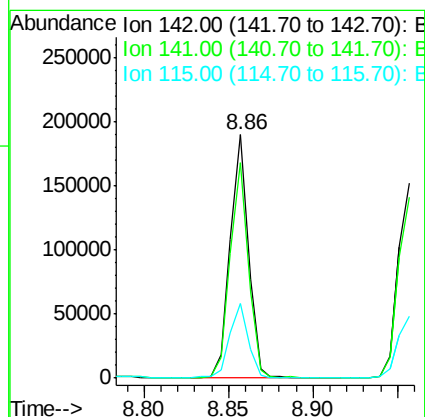
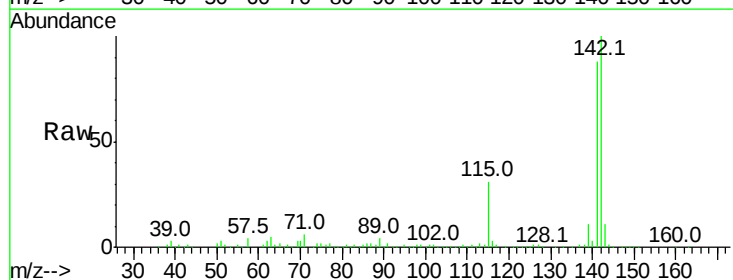
Instrument :
BNA_F
ClientSampleId :

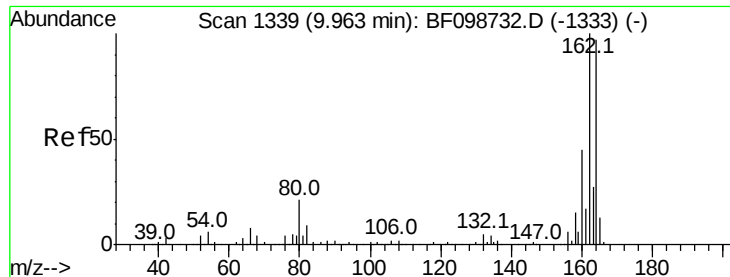
Tot Ion:127	Resp:	23010
Ion Ratio	Lower	Upper
127 100		
129 80.8	25.9	38.9#
65 0.0	25.0	37.4#
92 0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 8.838 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:142	Resp:	143980
Ion Ratio	Lower	Upper
142 100		
141 88.4	70.8	106.2
115 30.7	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

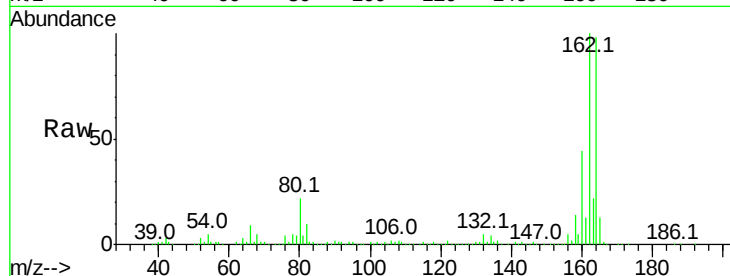
Tot Ion:164 Resp: 220164

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

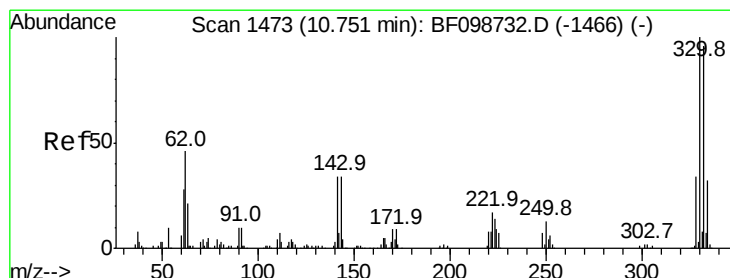
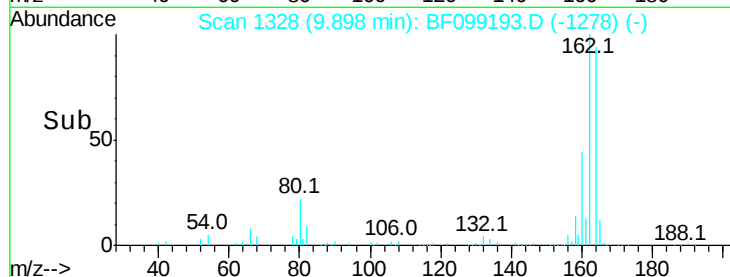
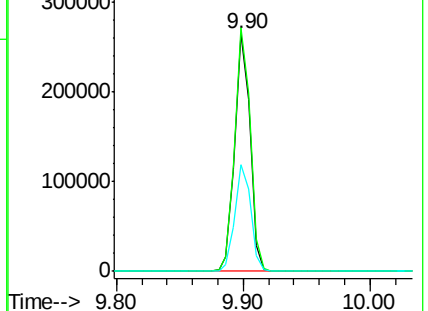
160 44.7 38.3 57.5



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: 94.460 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

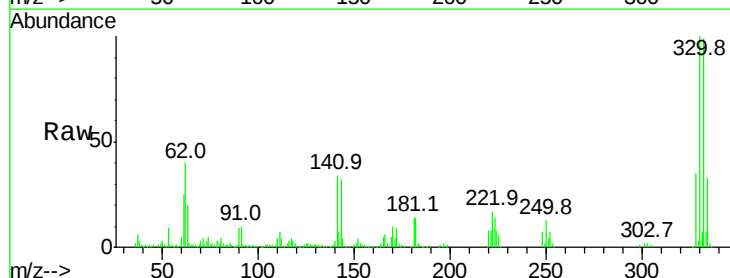
Tgt Ion:330 Resp: 170173

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

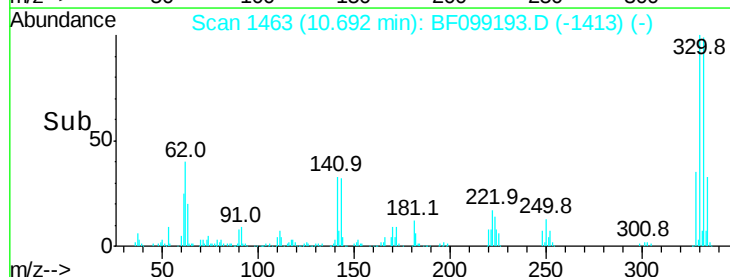
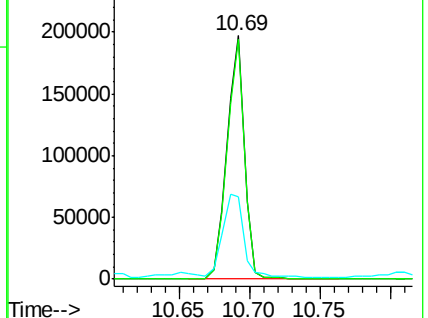
141 42.7 29.9 44.9

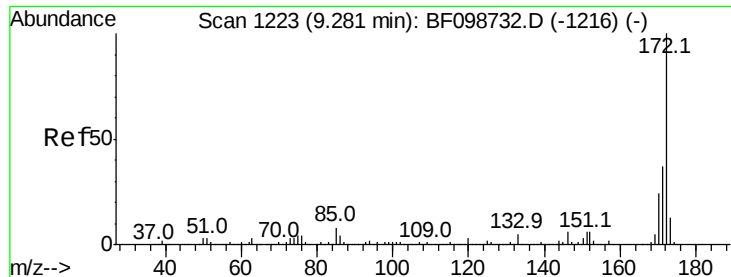


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



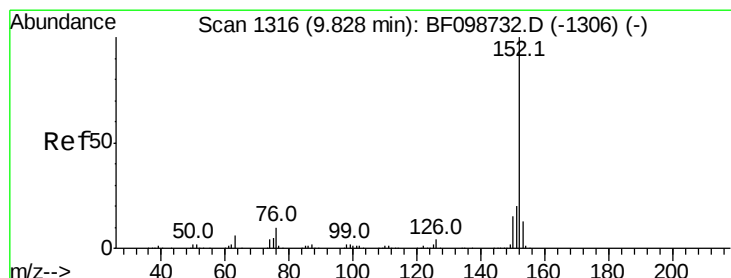
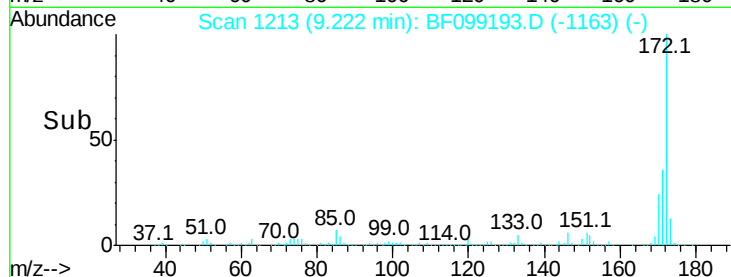
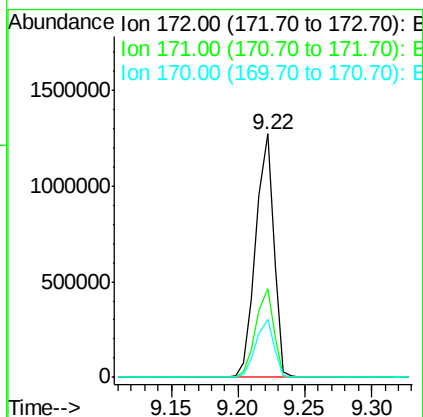
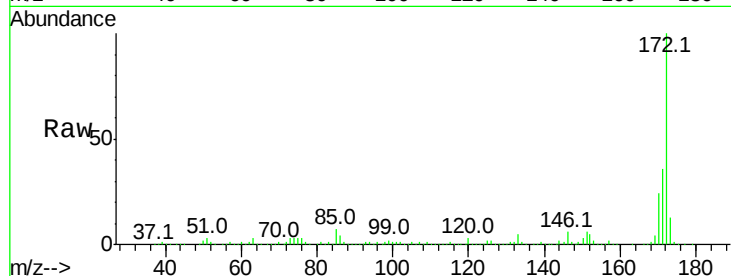


#44
 2-Fluorobiphenyl
 Concen: 89.536 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1180805

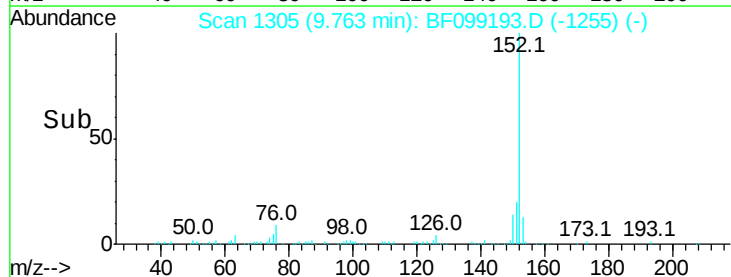
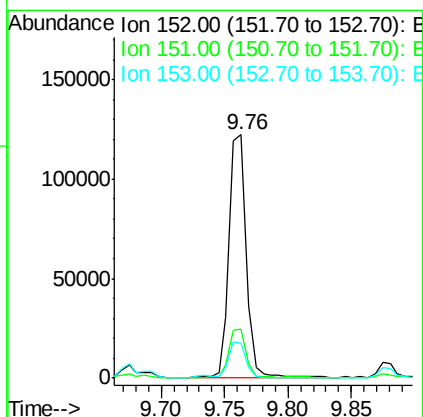
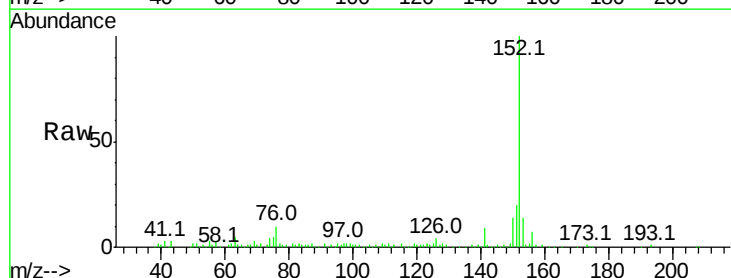
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.9	19.6	29.4

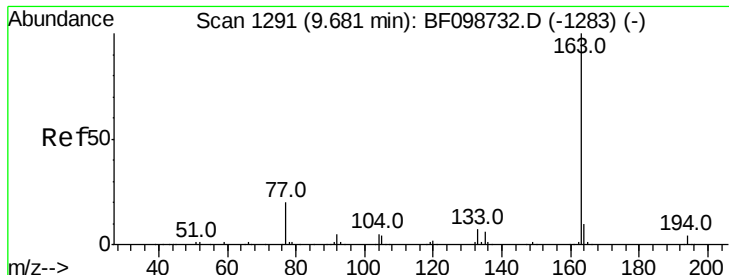


#48
 Acenaphthylene
 Concen: 5.329 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Tgt Ion:152 Resp: 115906

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.2	10.7	16.1

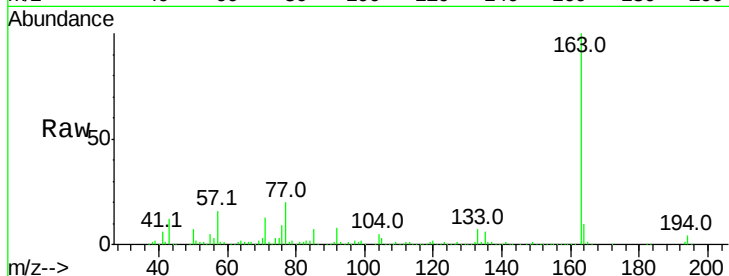




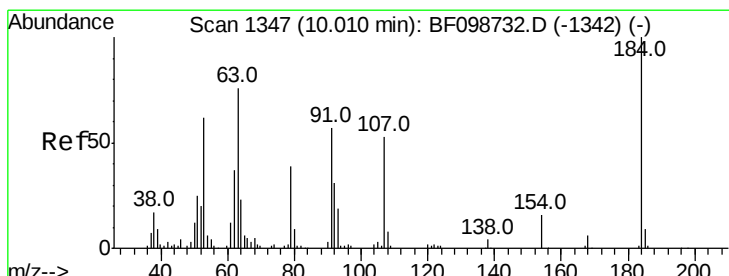
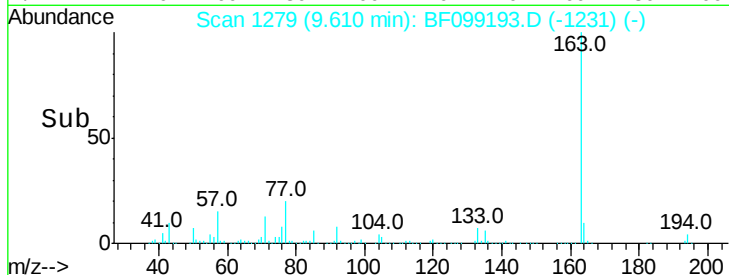
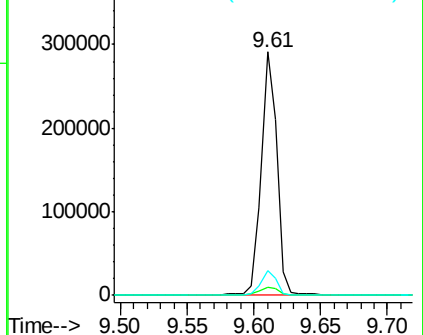
#49
Dimethylphthalate
Concen: 14.008 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 232762
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.9 8.2 12.2

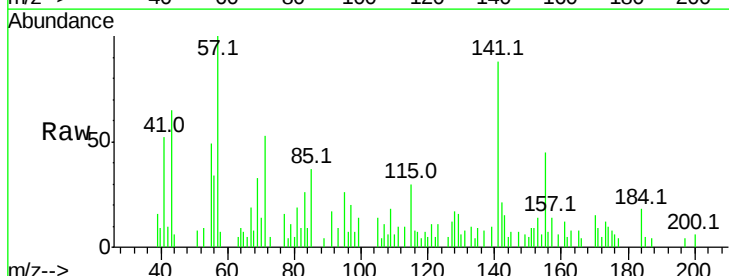


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

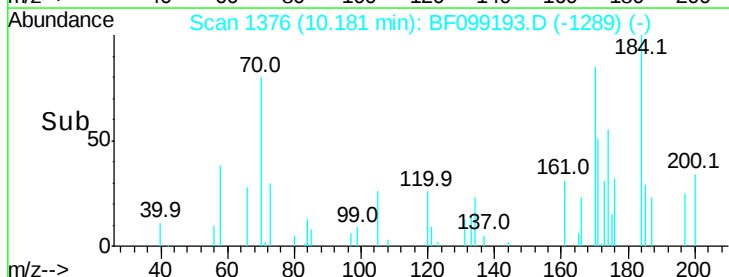
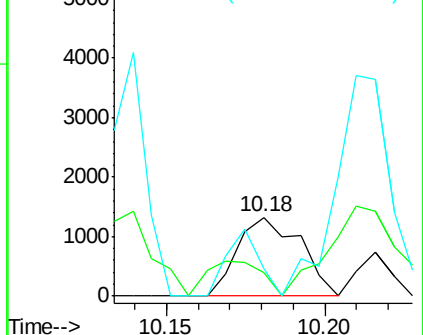


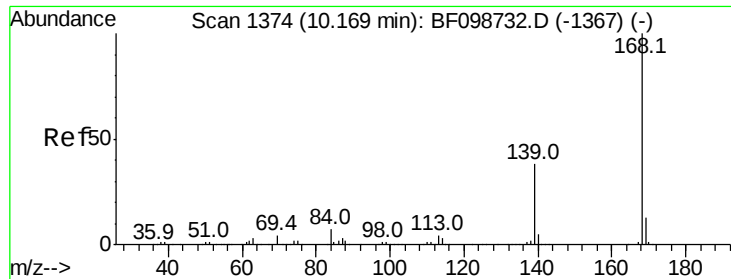
#53
2,4-Dinitrophenol
Concen: 6.722 ng
RT: 10.18 min Scan# 1376
Delta R.T. 0.21 min
Lab File: BF099193.D
Acq: 7 Oct 2017 14:42

Tgt Ion:184 Resp: 1816
Ion Ratio Lower Upper
184 100
63 29.0 54.2 81.2#
154 35.2 53.5 80.3#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 3.826 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

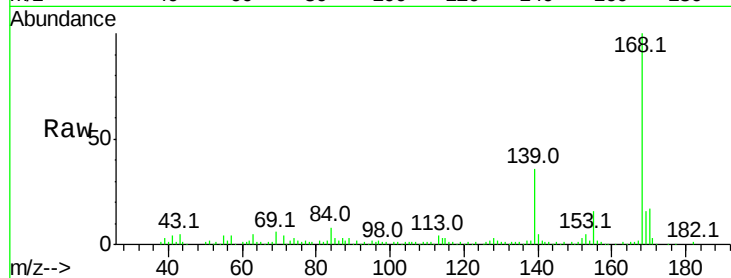
Tot Ion:168 Resp: 70177

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

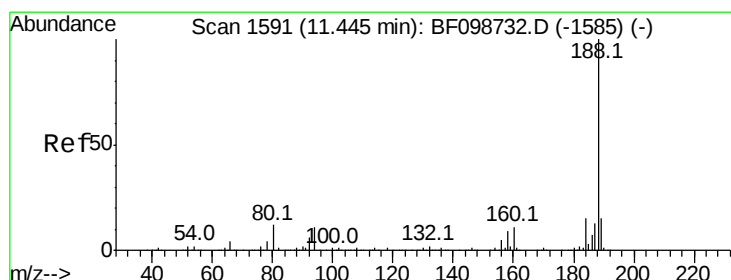
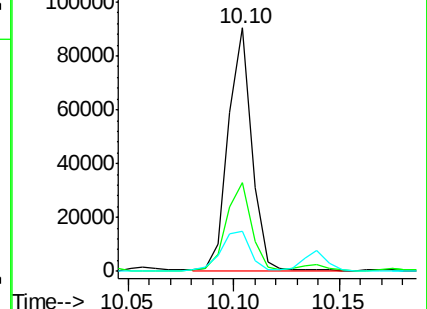
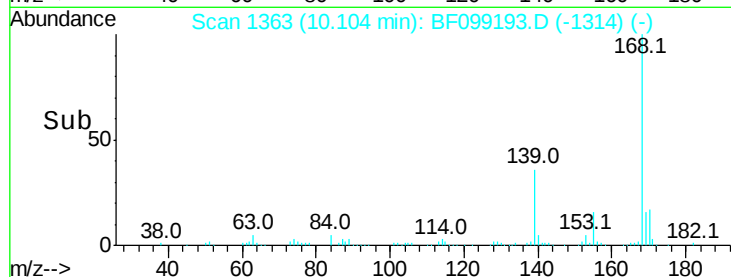
169 16.3 10.9 16.3



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

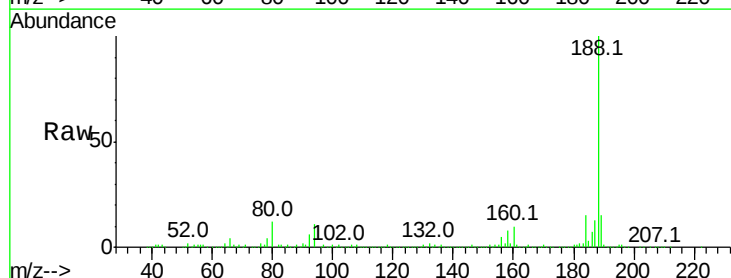
Tgt Ion:188 Resp: 314324

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

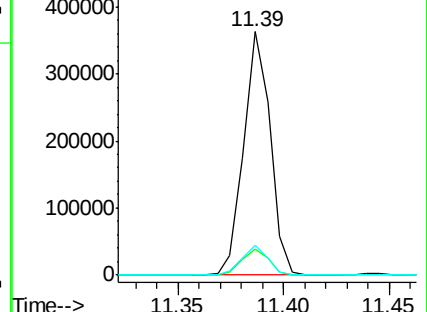
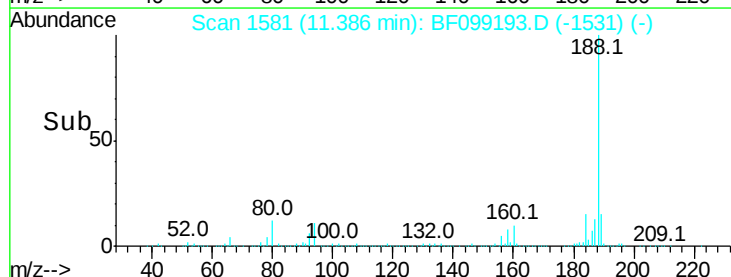
80 12.2 9.2 13.8

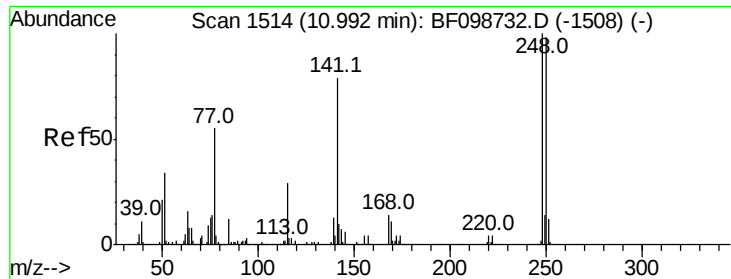


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

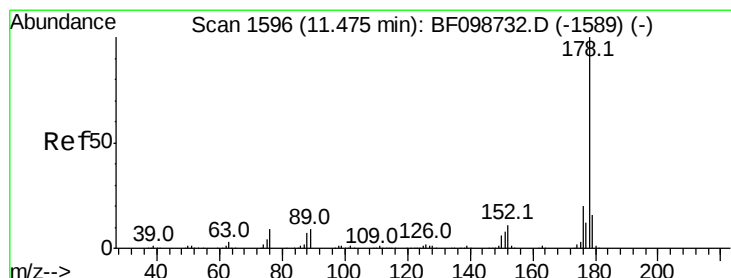
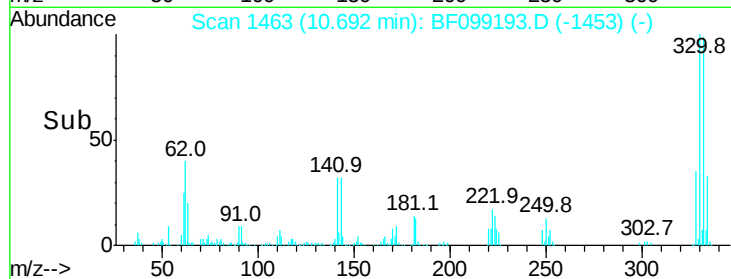
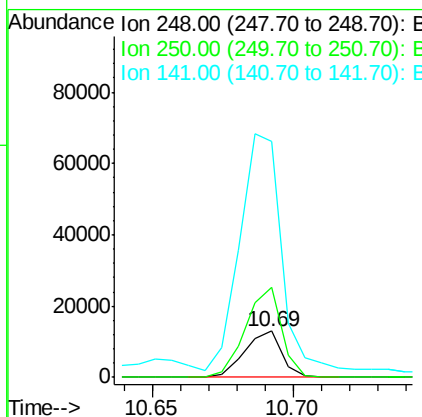
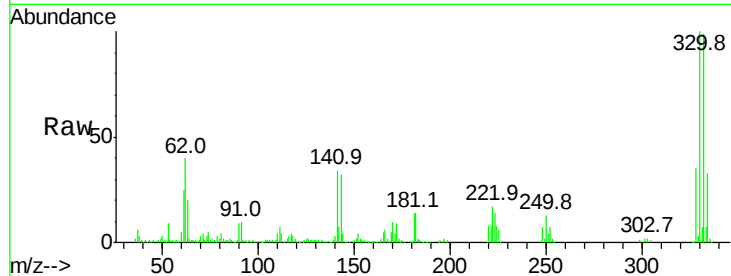




#66
 4-Bromophenyl-phenylether
 Concen: 3.819 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

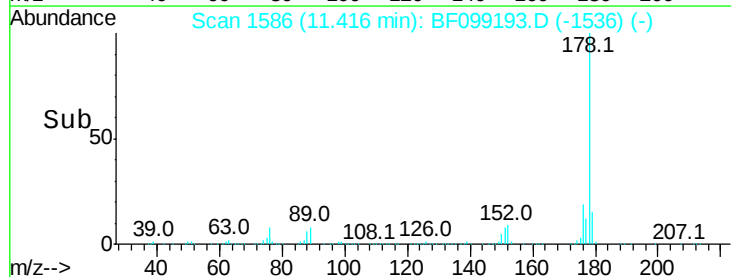
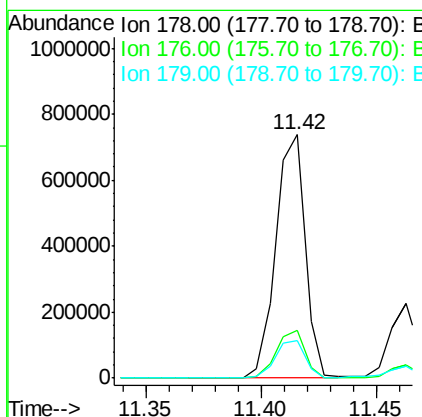
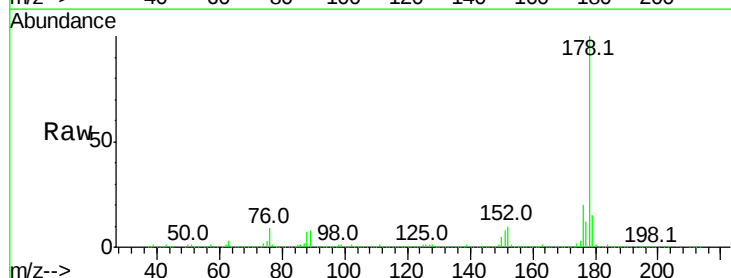
Instrument :
 BNA_F
 ClientSampleId :

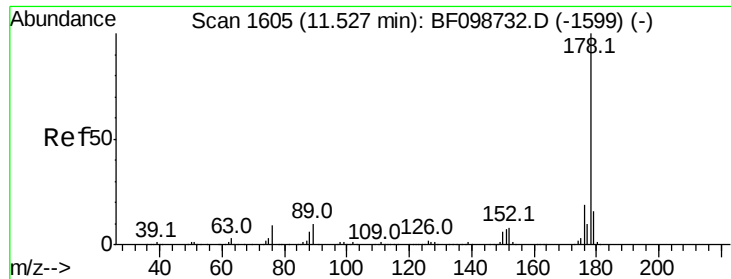
Tot Ion:248 Resp: 11750
 Ion Ratio Lower Upper
 248 100
 250 194.6 76.9 115.3#
 141 509.5 74.4 111.6#



#70
 Phenanthrene
 Concen: 38.508 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Tgt Ion:178 Resp: 647899
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.2 13.0 19.6

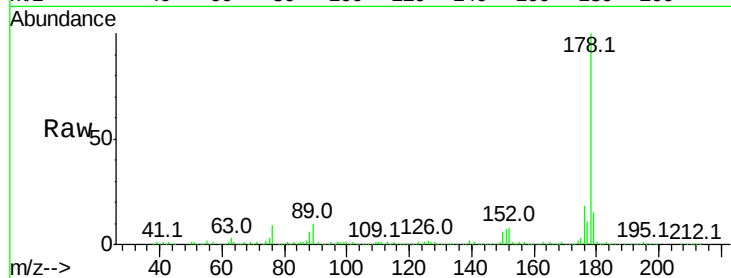




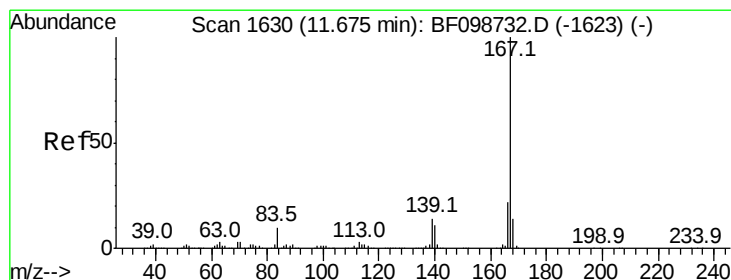
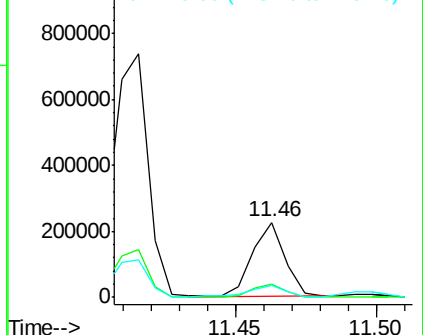
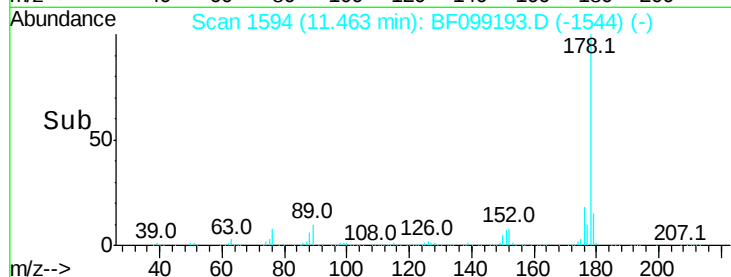
#71
 Anthracene
 Concen: 10.421 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 179397
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.2 12.6 19.0

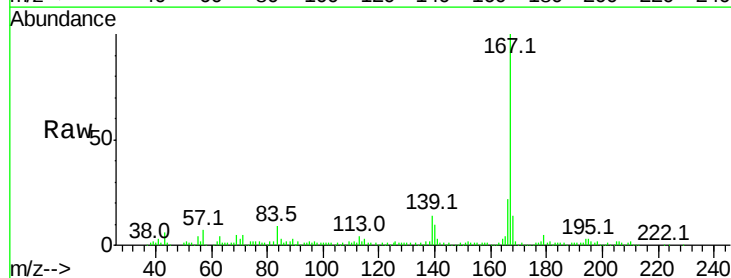


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

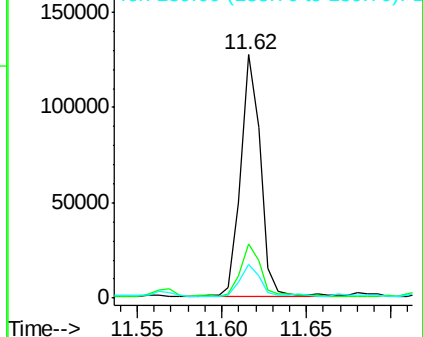
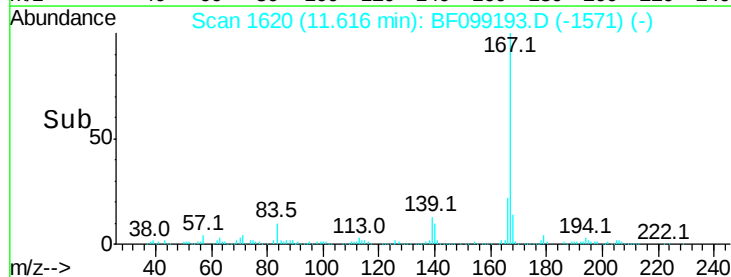


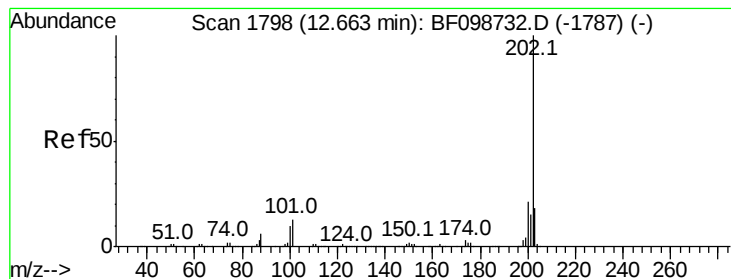
#72
 Carbazole
 Concen: 6.174 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Tgt Ion:167 Resp: 104090
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.6 26.4
 139 13.9 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





#74

Fluoranthene

Concen: 71.187 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

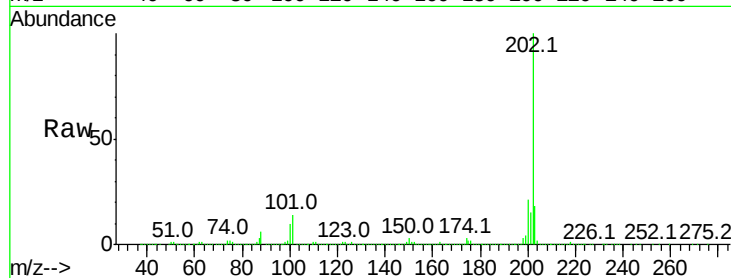
Tot Ion:202 Resp: 1212825

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.1

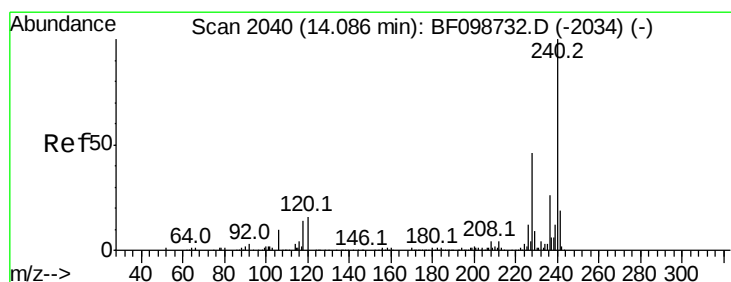
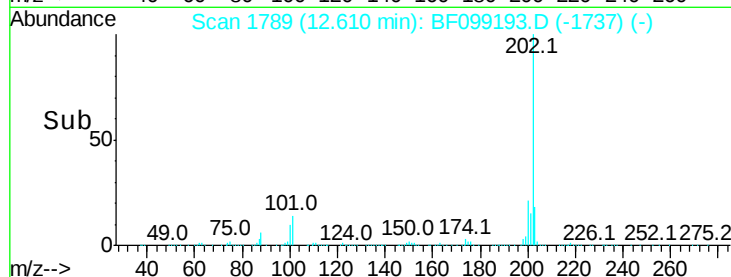
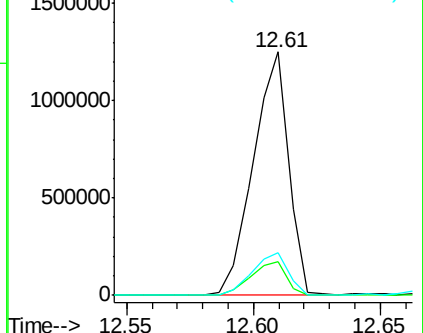
203 17.7 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. 0.00 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

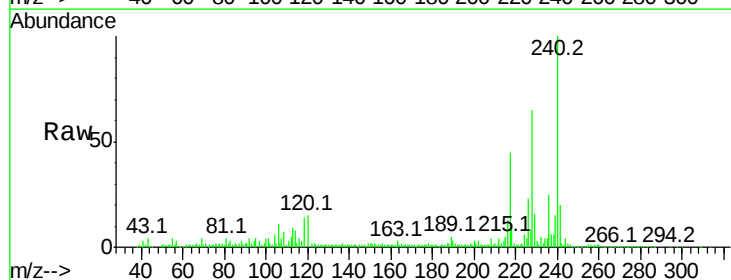
Tgt Ion:240 Resp: 205719

Ion Ratio Lower Upper

240 100

120 15.4 9.5 14.3#

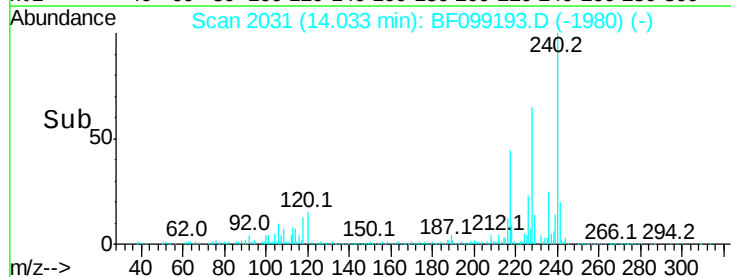
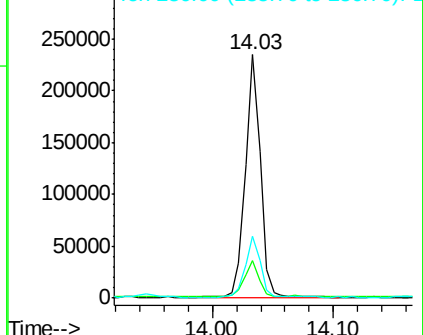
236 25.5 20.7 31.1

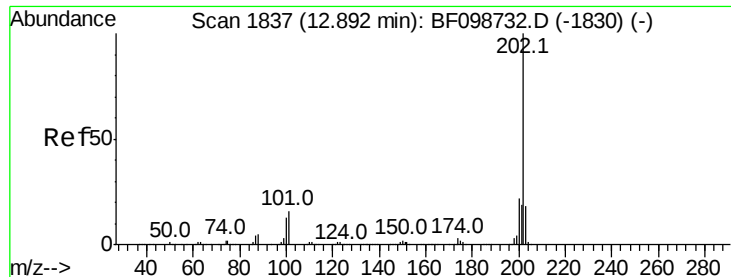


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 67.149 ng

RT: 12.84 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampled :

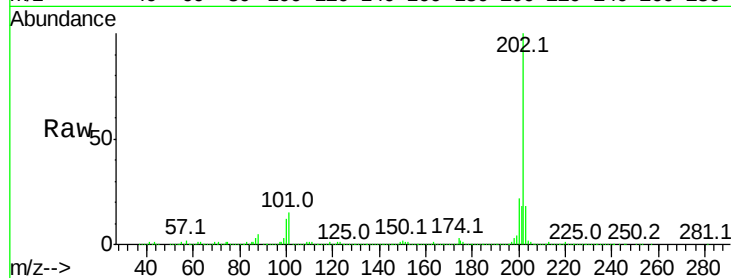
Tot Ion:202 Resp: 1053354

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

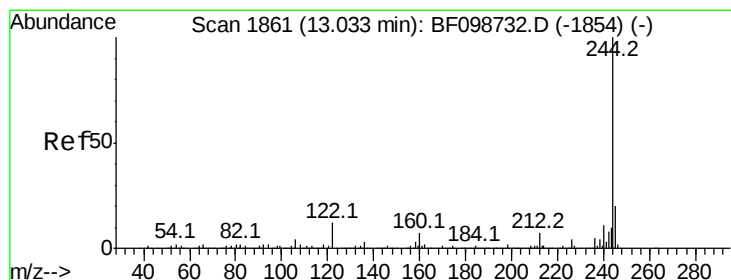
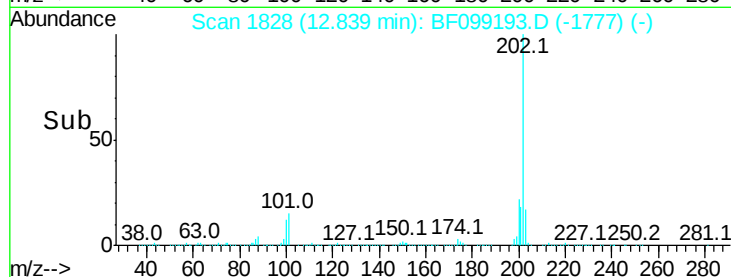
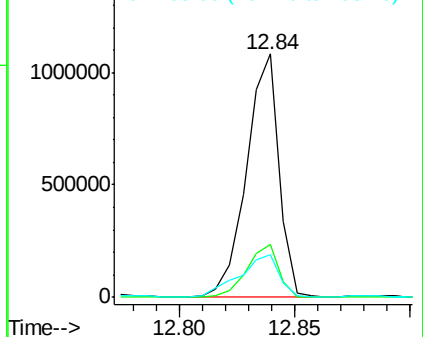
203 17.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 81.545 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.00 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

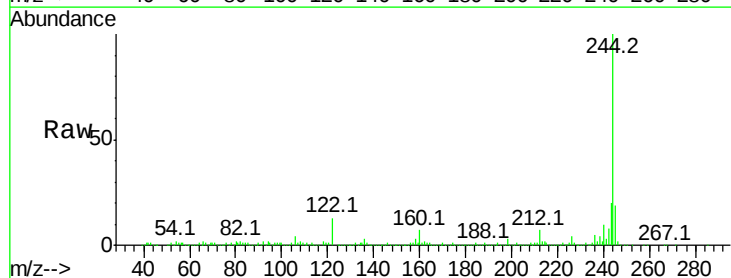
Tgt Ion:244 Resp: 737641

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

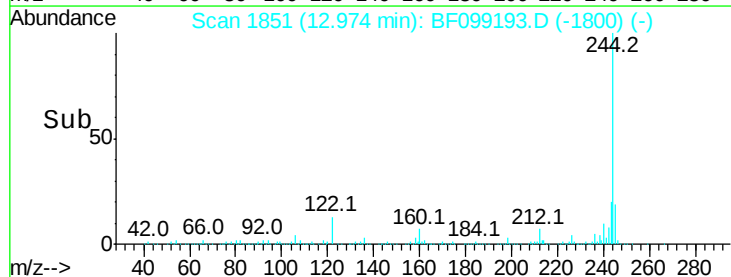
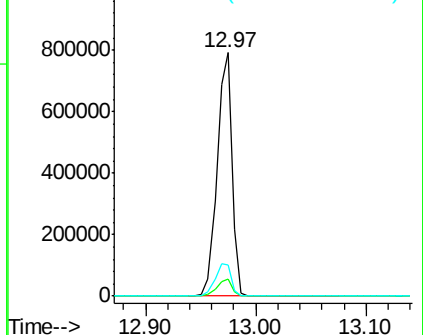
122 12.8 11.0 16.4

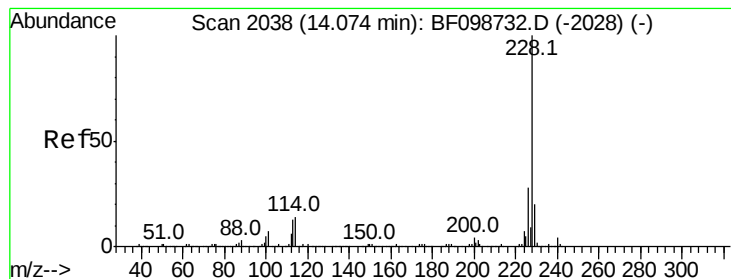


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 51.289 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

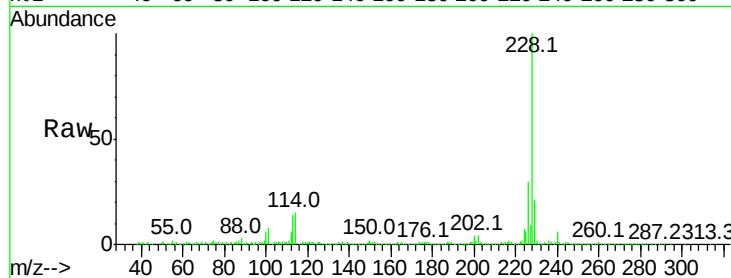
Tot Ion:228 Resp: 638902

Ion Ratio Lower Upper

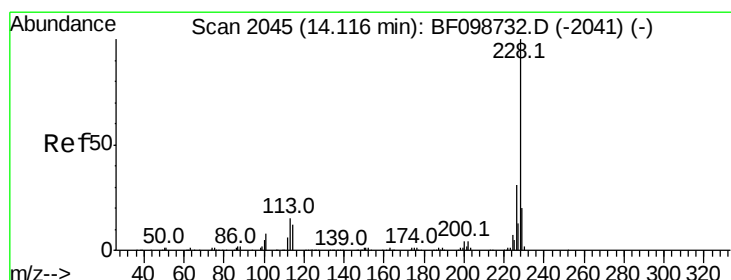
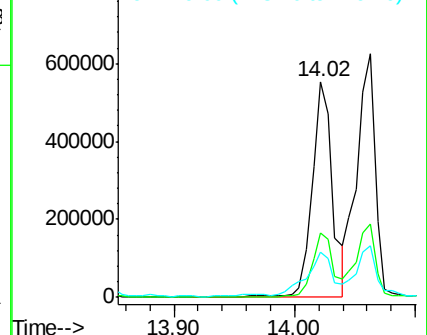
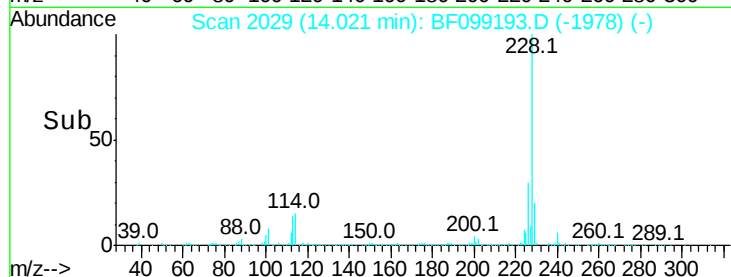
228 100

226 30.0 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



#82

Chrysene

Concen: 55.211 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

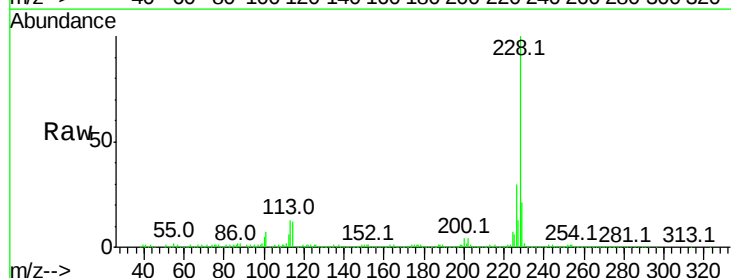
Tgt Ion:228 Resp: 654773

Ion Ratio Lower Upper

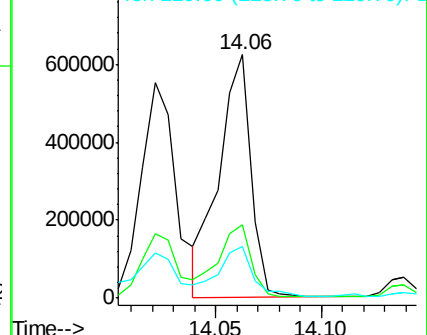
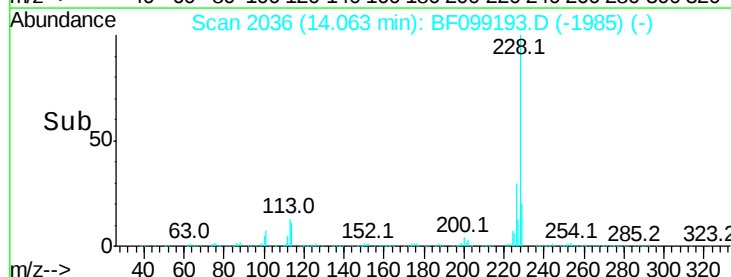
228 100

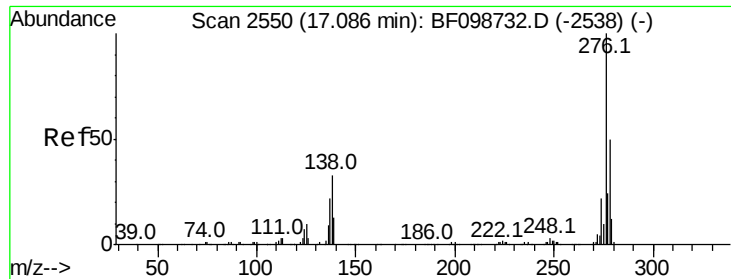
226 30.2 25.0 37.6

229 21.3 16.2 24.4



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

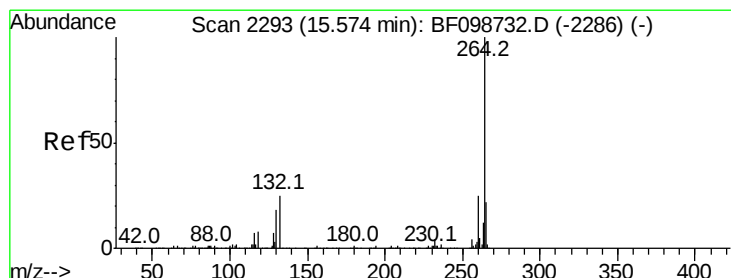
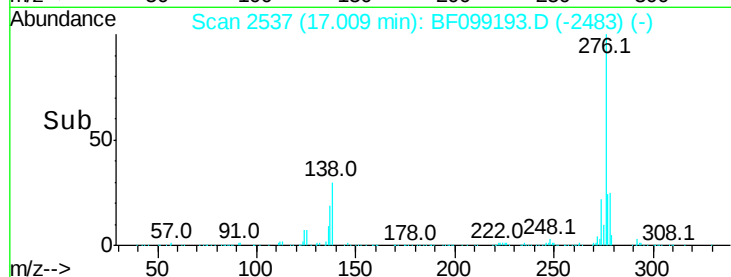
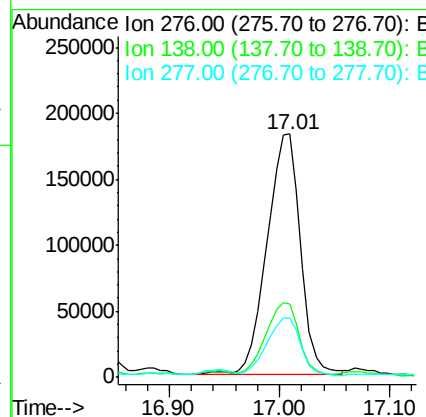
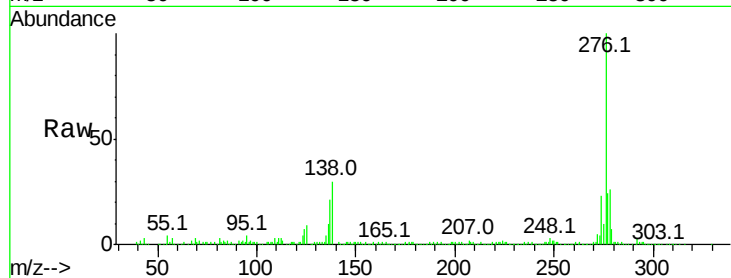




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.802 ng
 RT: 17.01 min Scan# 2537
 Delta R.T. 0.02 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

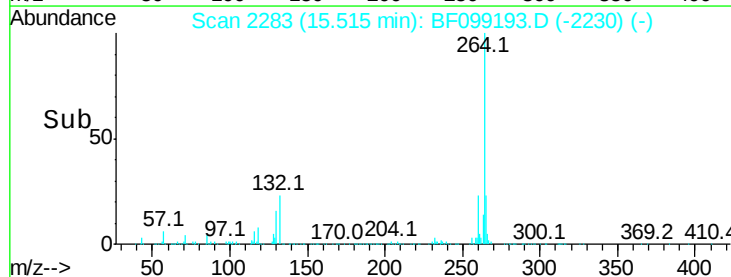
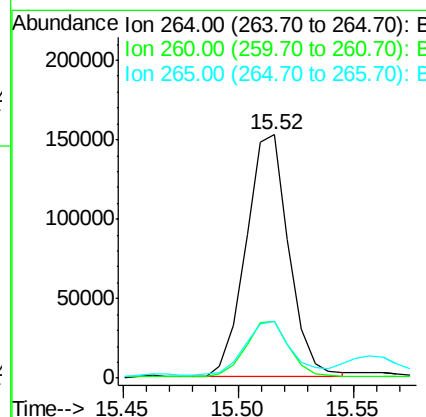
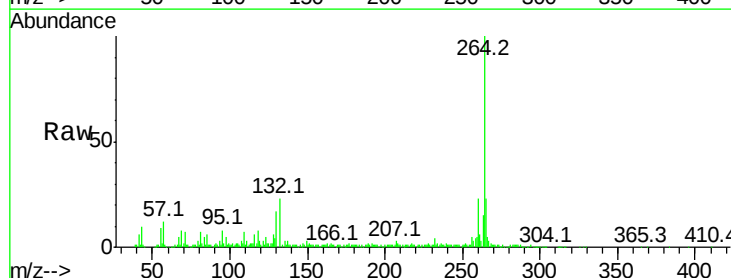
Instrument :
 BNA_F
 ClientSampleId :

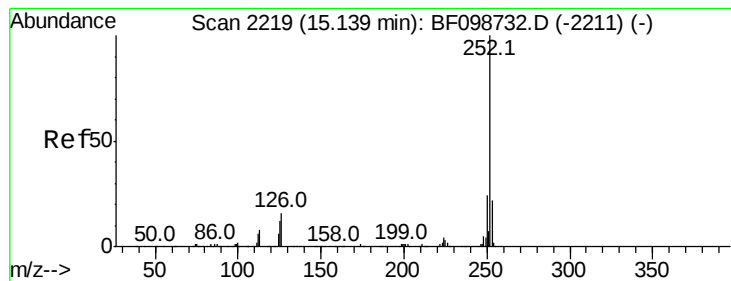
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	23.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 98.819 ng

RT: 15.09 min Scan# 2210

Delta R.T. 0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampleId :

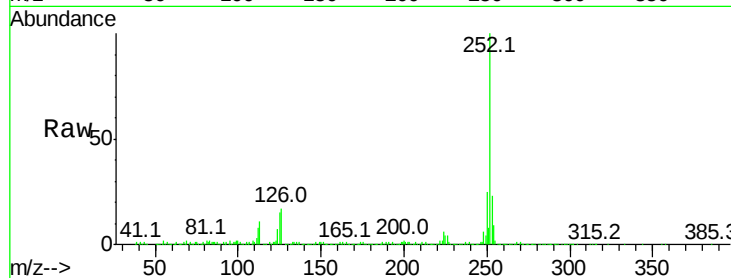
Tot Ion:252 Resp: 1200123

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

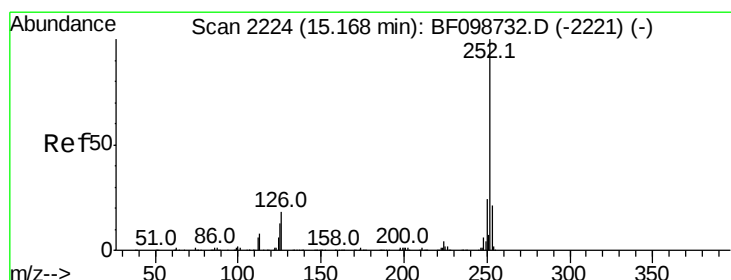
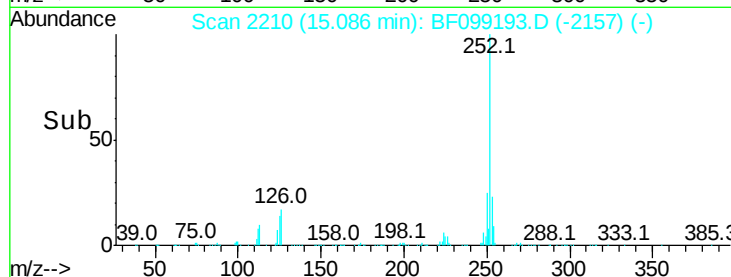
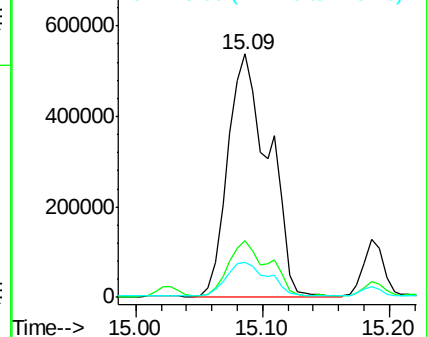
125 14.6 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 100.049 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

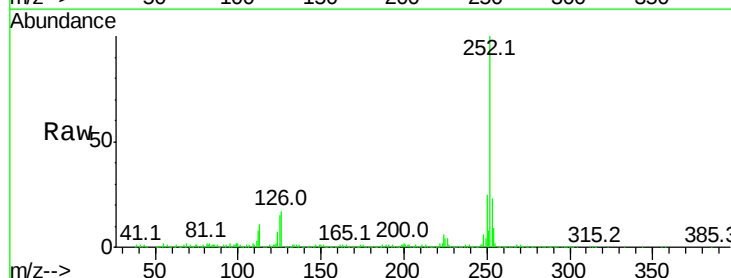
Tgt Ion:252 Resp: 1200123

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

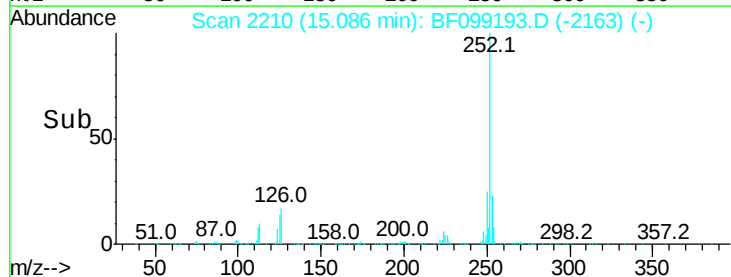
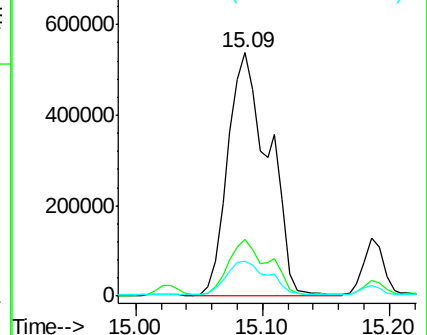
125 14.6 10.2 15.2

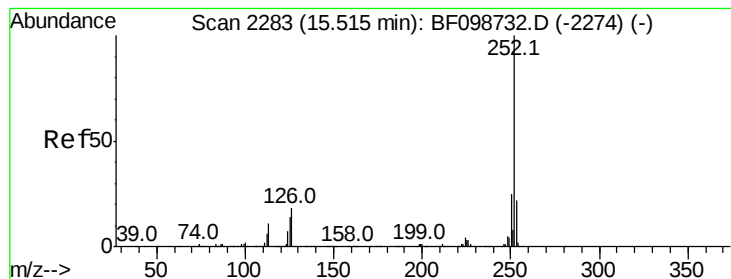


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 48.190 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

Instrument :

BNA_F

ClientSampled :

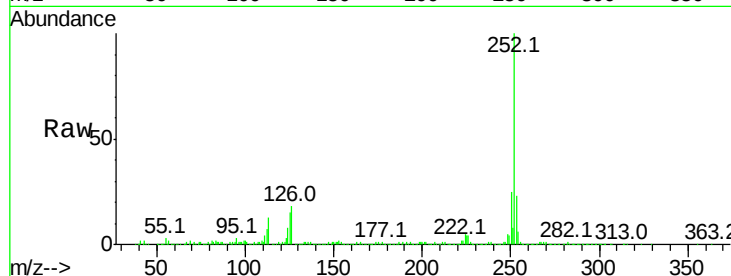
Tot Ion:252 Resp: 537220

Ion Ratio Lower Upper

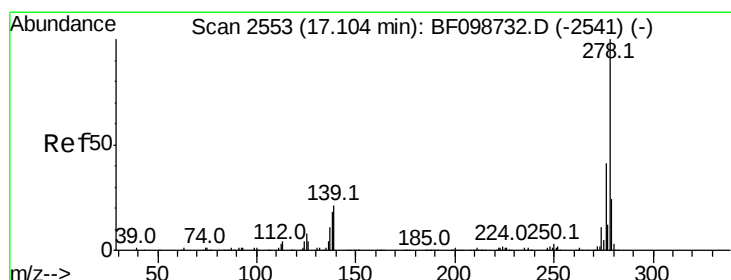
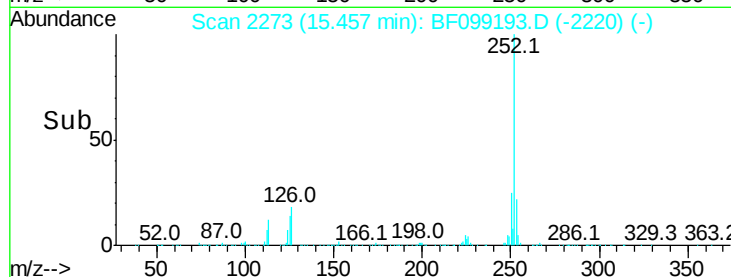
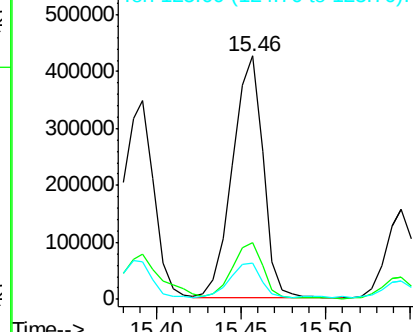
252 100

253 23.5 17.1 25.7

125 14.8 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 10.219 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF099193.D

Acq: 7 Oct 2017 14:42

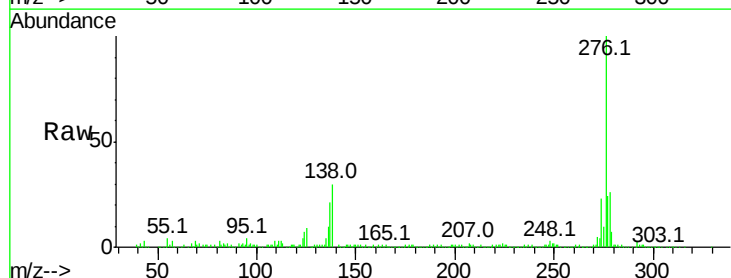
Tgt Ion:278 Resp: 91170

Ion Ratio Lower Upper

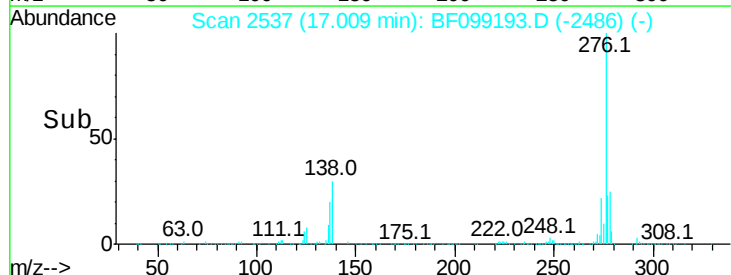
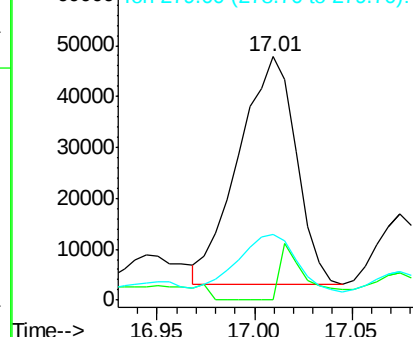
278 100

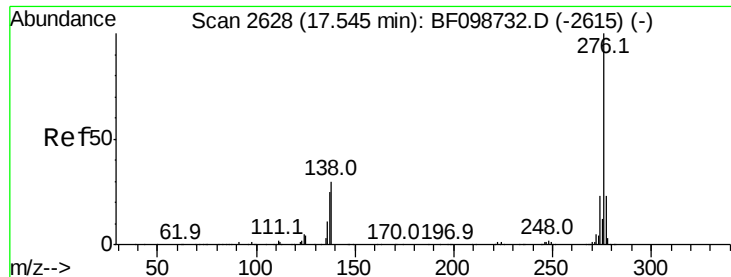
139 0.0 15.9 23.9#

279 27.0 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

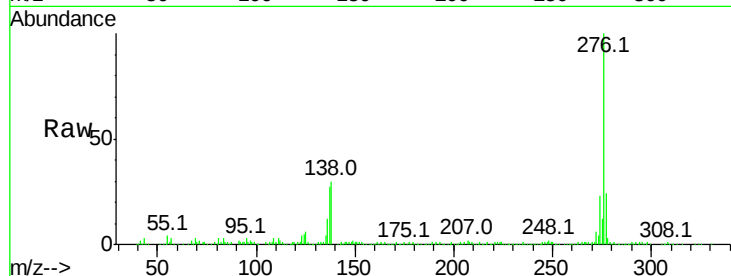




#91
 Benzo(a,h,i)perylene
 Concen: 42.394 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. 0.02 min
 Lab File: BF099193.D
 Acq: 7 Oct 2017 14:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 373872
 Ion Ratio Lower Upper
 276 100
 277 23.6 17.9 26.9
 138 30.1 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

