

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099130.D
 Acq On : 6 Oct 2017 5:52
 Operator : SJ/JU
 Sample : I5404-02 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 06:34:52 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	114074	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	400896	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	149765	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	219590	20.00	ng	0.00
75) Chrysene-d12	14.03	240	226431	20.00	ng	0.00
86) Perylene-d12	15.50	264	248093	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	158959	22.18	ng	-0.01
7) Phenol-d6	6.48	99	192326	21.76	ng	-0.02
23) Nitrobenzene-d5	7.42	82	105630	16.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	19141	15.62	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	131800	14.69	ng	0.00
78) Terphenyl-d14	12.97	244	89105	8.95	ng	0.00

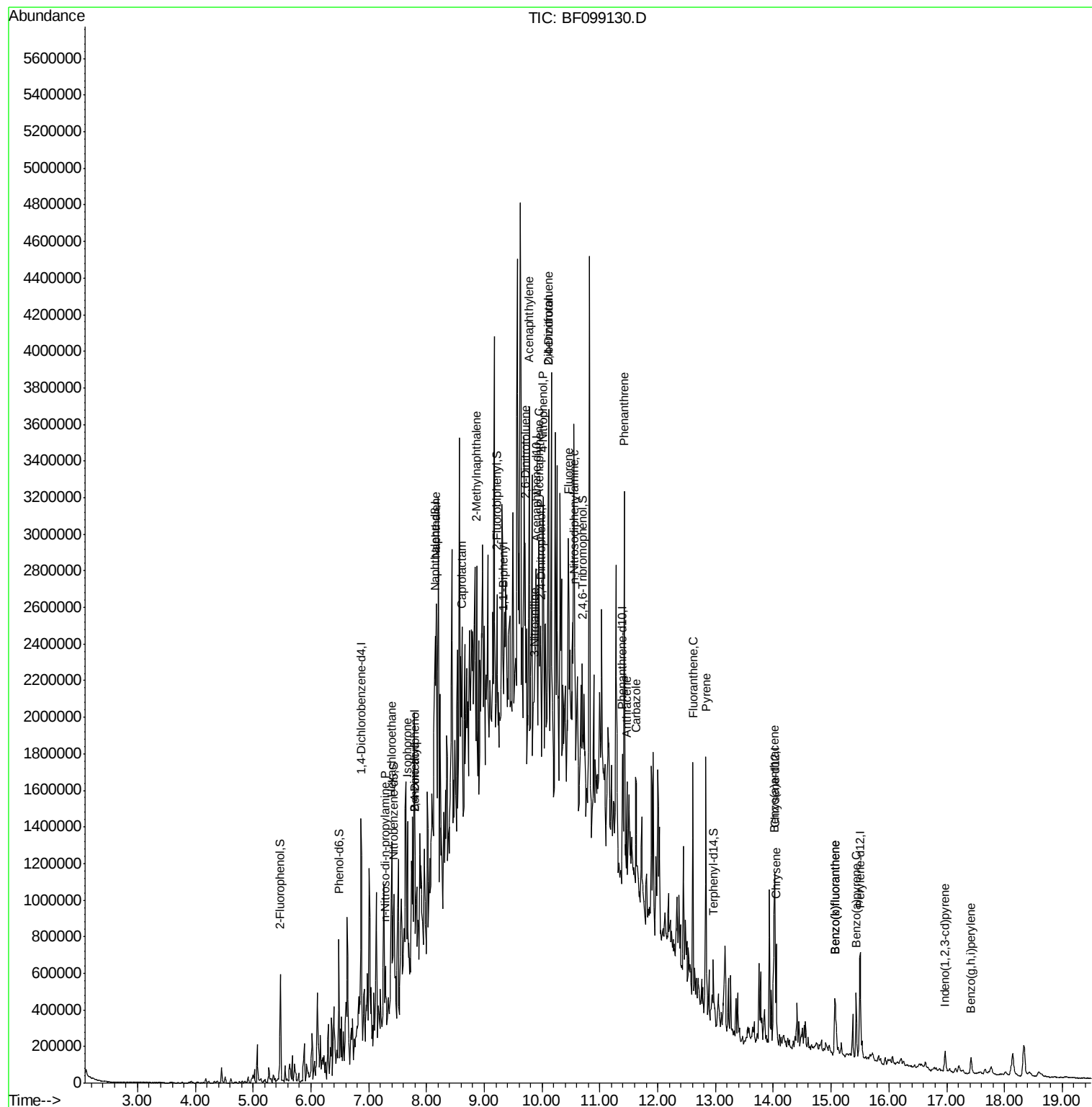
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.40	117	28676	9.23	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	20207	3.58	ng	# 60
25) Isophorone	7.67	82	56063	4.34	ng	# 1
27) 2,4-Dimethylphenol	7.80	122	14094	2.19	ng	# 11
31) Naphthalene	8.17	128	428847	22.78	ng	# 93
32) Benzoic acid	7.80	122	14094	2.66	ng	# 87
35) Caprolactam	8.60	113	10235	5.77	ng	# 1
37) 2-Methylnaphthalene	8.87	142	390233	31.88	ng	# 98
45) 1,1'-Biphenyl	9.33	154	47004	3.65	ng	# 98
48) Acenaphthylene	9.77	152	96631	6.53	ng	# 41
50) 2,6-Dinitrotoluene	9.71	165	6034	2.45	ng	# 76
51) Acenaphthene	9.94	154	123846	13.22	ng	# 93
52) 3-Nitroaniline	9.86	138	12899	4.50	ng	# 20
53) 2,4-Dinitrophenol	9.98	184	729	6.36	ng	# 1
54) Dibenzofuran	10.12	168	76432	6.13	ng	# 1
55) 4-Nitrophenol	10.02	139	42501	17.52	ng	# 46
56) 2,4-Dinitrotoluene	10.11	165	21893	6.86	ng	# 55
57) Fluorene	10.46	166	264666	26.39	ng	# 98
65) n-Nitrosodiphenylamine	10.57	169	216620	28.48	ng	# 56
70) Phenanthrene	11.42	178	870444	74.05	ng	# 100
71) Anthracene	11.47	178	217362	18.07	ng	# 98
72) Carbazole	11.62	167	27775	2.36	ng	# 31
74) Fluoranthene	12.61	202	429712	36.10	ng	# 100
77) Pyrene	12.83	202	545369	31.59	ng	# 99
80) Benzo(a)anthracene	14.02	228	220671	16.09	ng	# 96
82) Chrysene	14.05	228	200474	15.36	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.97	276	62726	6.01	ng	# 98
87) Benzo(b)fluoranthene	15.07	252	230770	15.13	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	230770	15.32	ng	# 96
89) Benzo(a)pyrene	15.43	252	165060	11.79	ng	# 94
91) Benzo(g,h,i)perylene	17.42	276	61535	5.56	ng	# 90

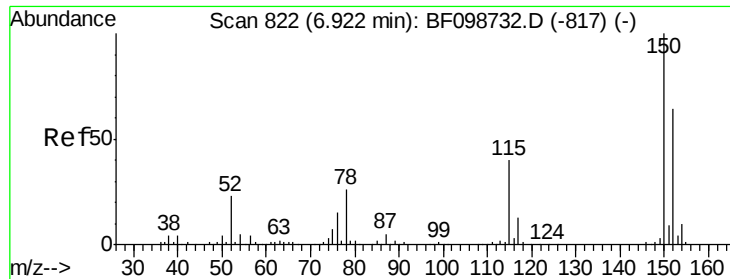
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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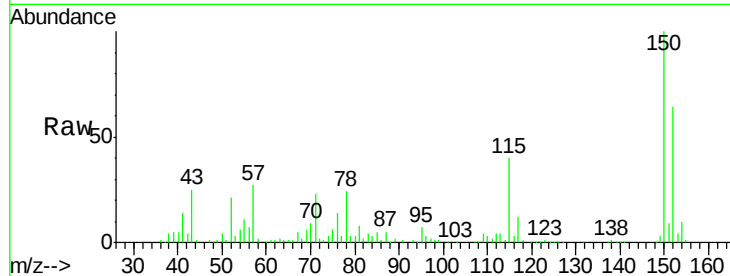


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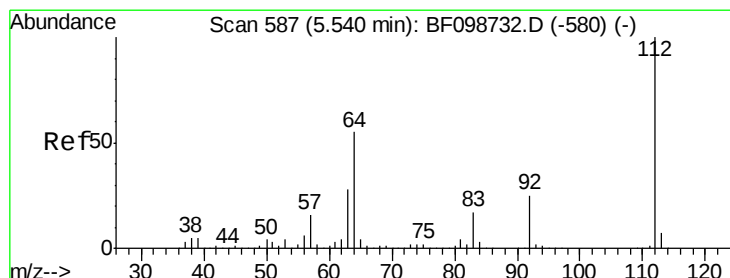
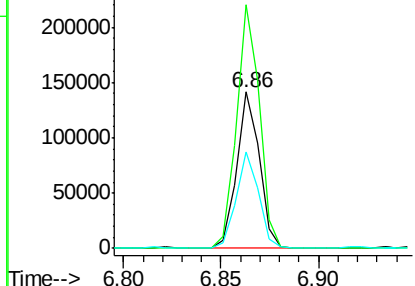
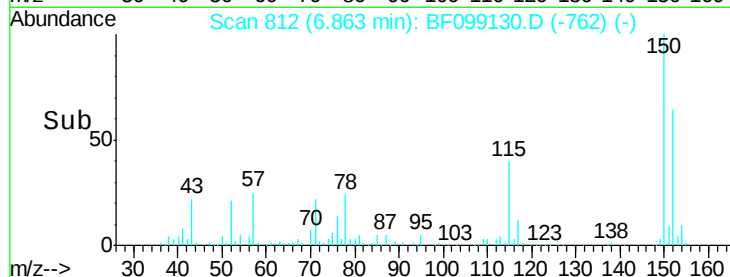
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 114074
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 61.7 50.1 75.1



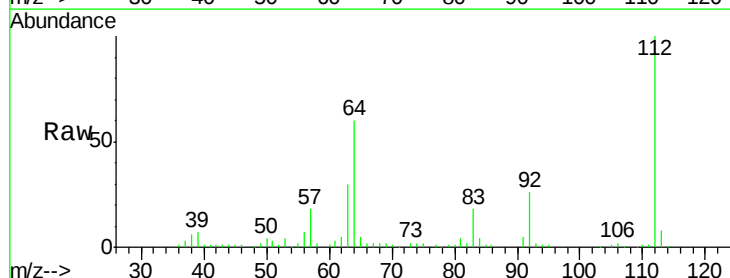
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



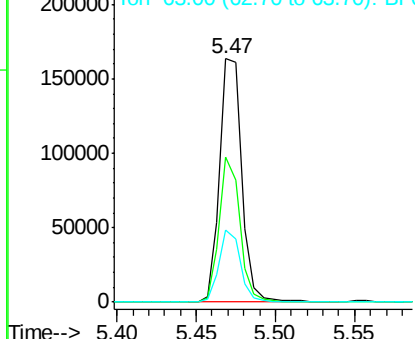
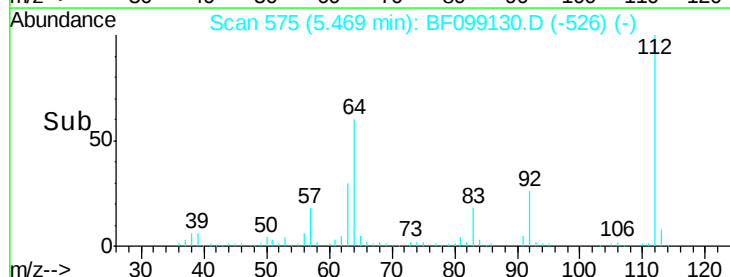
#5

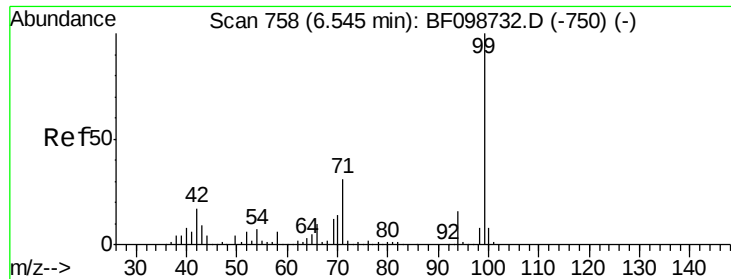
2-Fluorophenol
 Concen: 22.18 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Tgt Ion:112 Resp: 158959
 Ion Ratio Lower Upper
 112 100
 64 59.7 47.9 71.9
 63 29.7 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: 21.76 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

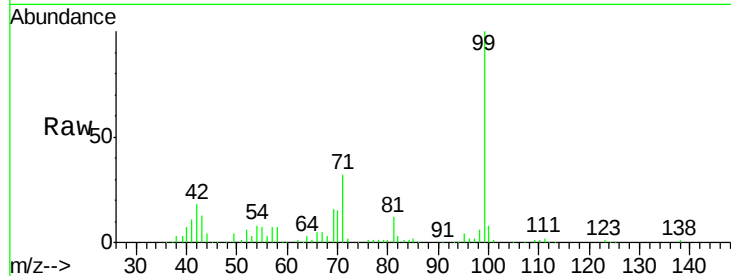
Tot Ion: 99 Resp: 192326

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

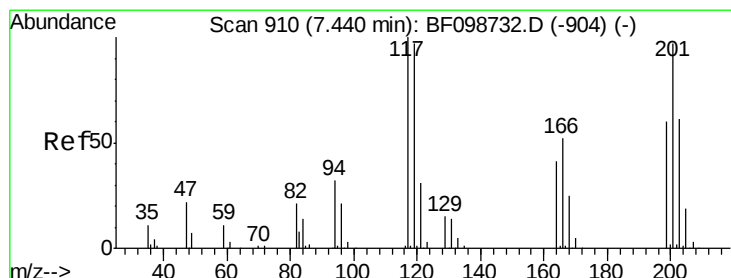
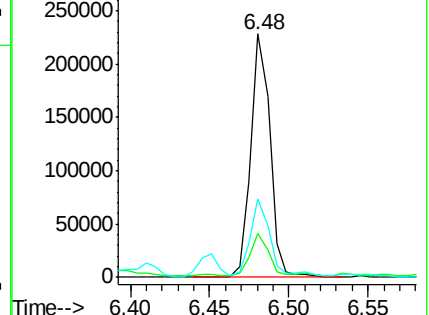
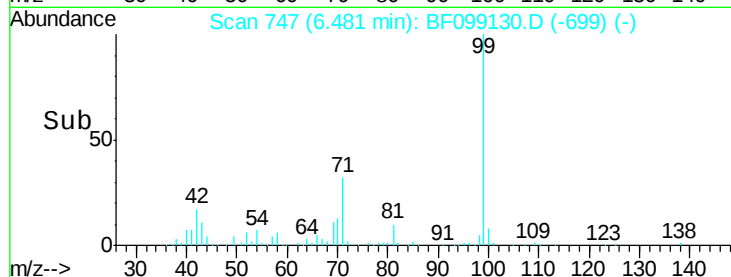
71 32.1 25.4 38.0



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



#18

Hexachloroethane

Concen: 9.23 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.02 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

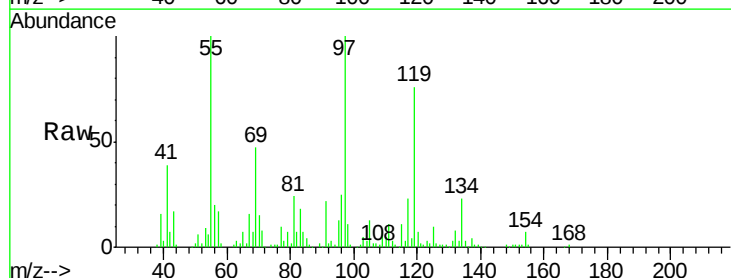
Tgt Ion: 117 Resp: 28676

Ion Ratio Lower Upper

117 100

119 333.5 75.8 113.8#

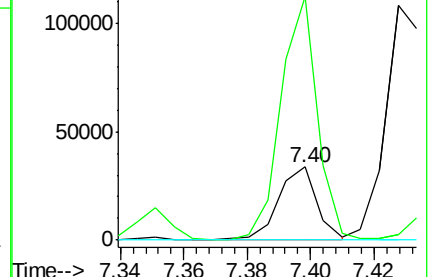
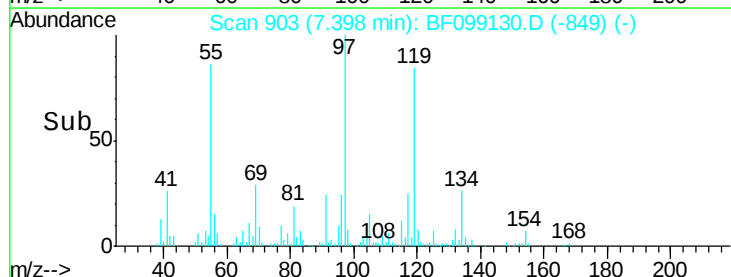
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

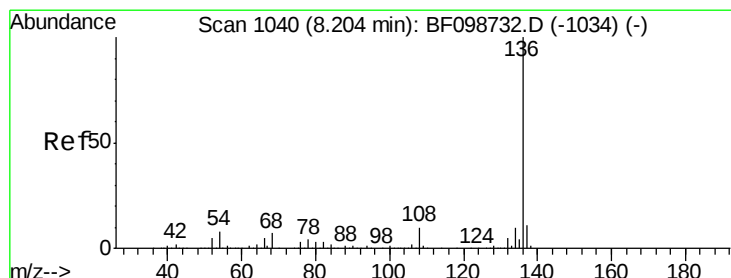
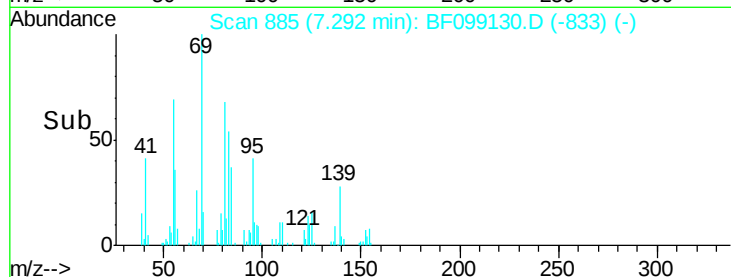
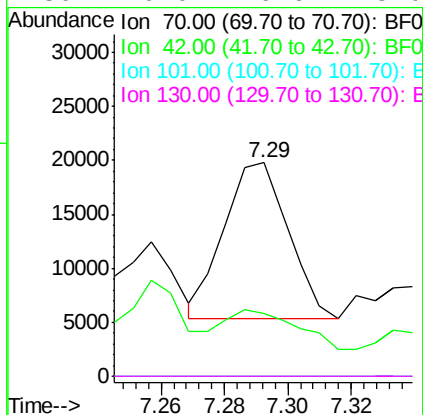
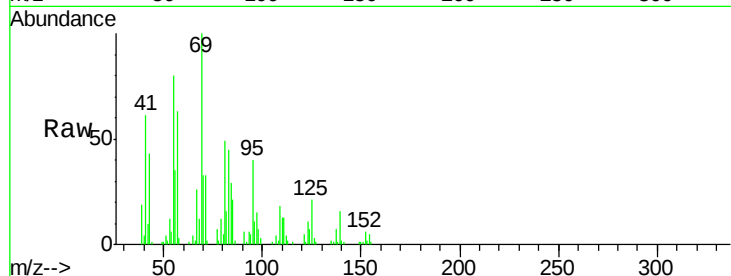




#19
n-Nitroso-di-n-propylamine
Concen: 3.58 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

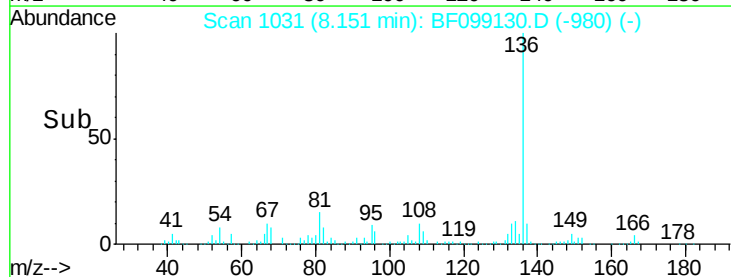
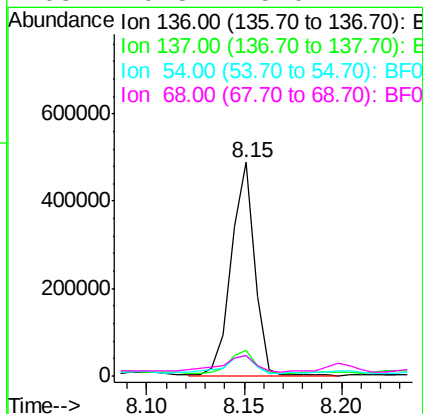
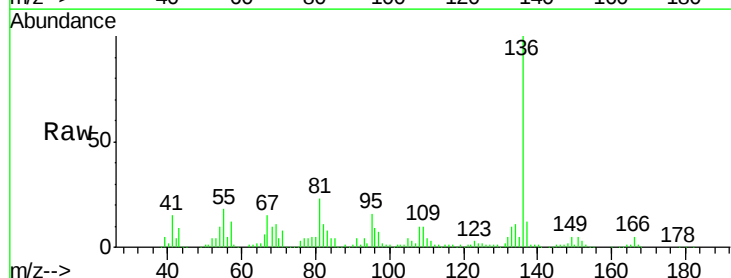
Instrument :
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ClientSampleId :

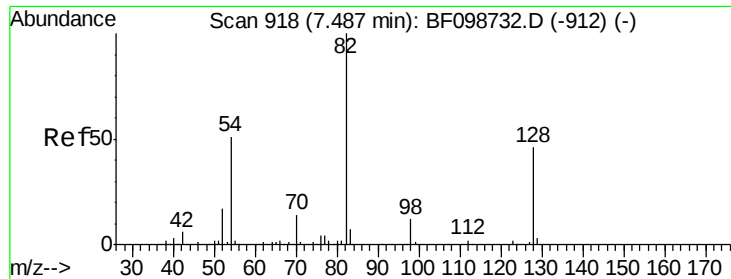
Tot Ion: 70 Resp: 20207
Ion Ratio Lower Upper
70 100
42 29.2 47.5 71.3#
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion: 136 Resp: 400896
Ion Ratio Lower Upper
136 100
137 12.0 8.9 13.3
54 9.6 6.6 9.8
68 9.8 5.0 7.4#

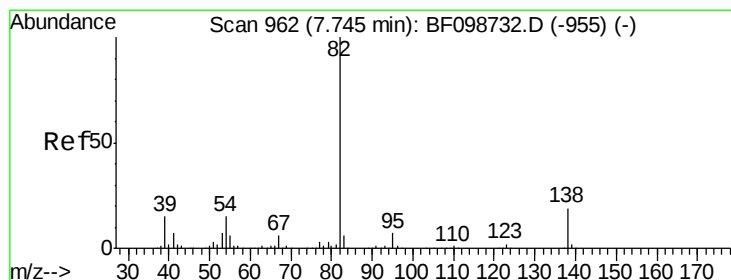
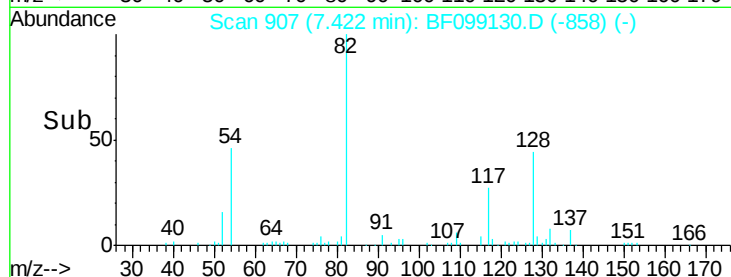
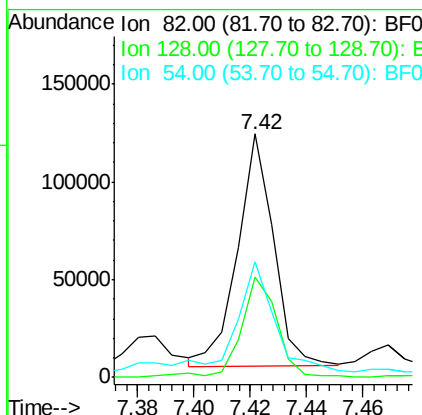
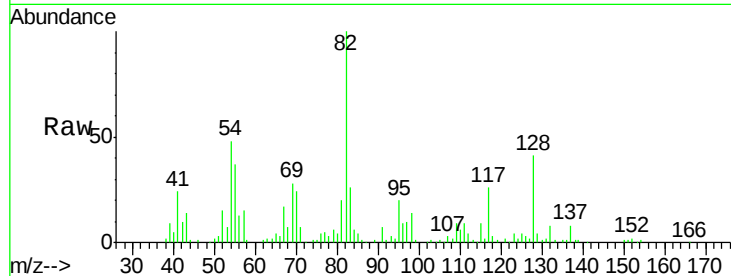




#23
 Nitrobenzene-d5
 Concen: 16.90 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

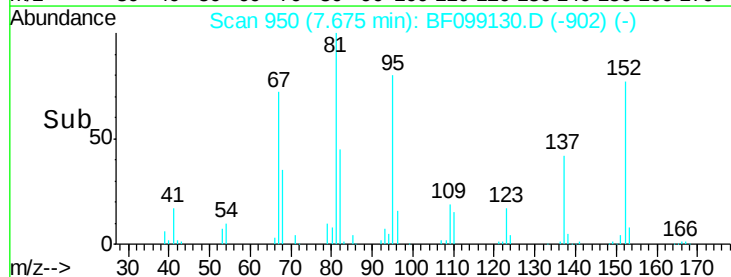
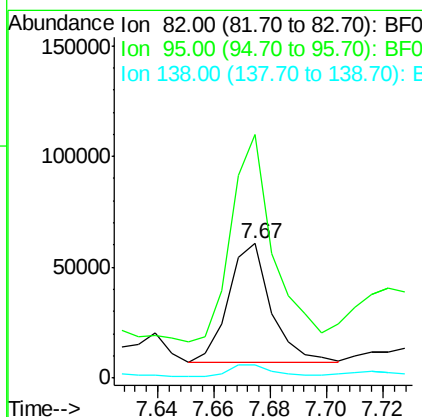
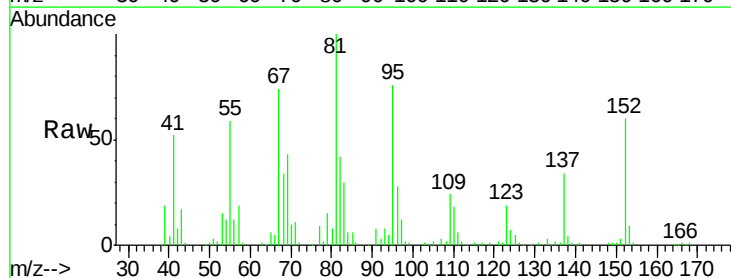
Instrument :
 BNA_F
 ClientSampleId :

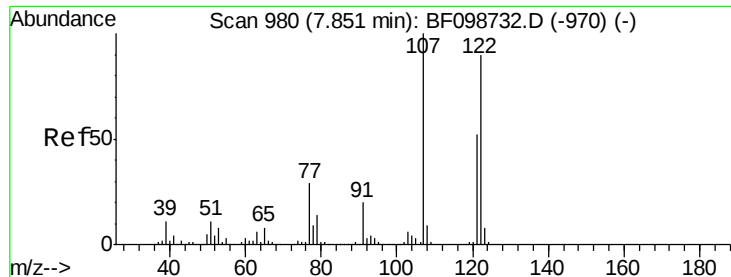
Tot Ion	82	Resp	105630
Ion Ratio	Lower	Upper	
82	100		
128	41.3	36.1	54.1
54	47.6	41.4	62.2



#25
 Isophorone
 Concen: 4.34 ng
 RT: 7.67 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Tgt Ion	82	Resp	56063
Ion Ratio	Lower	Upper	
82	100		
95	181.3	5.2	7.8#
138	9.6	14.9	22.3#

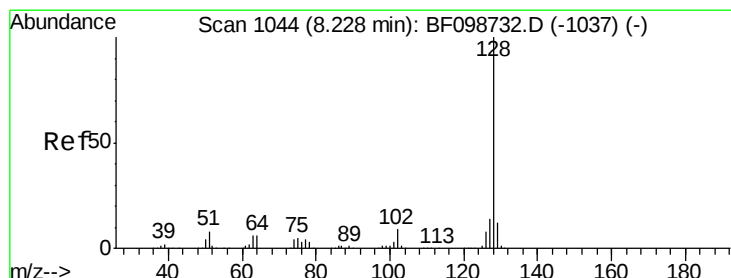
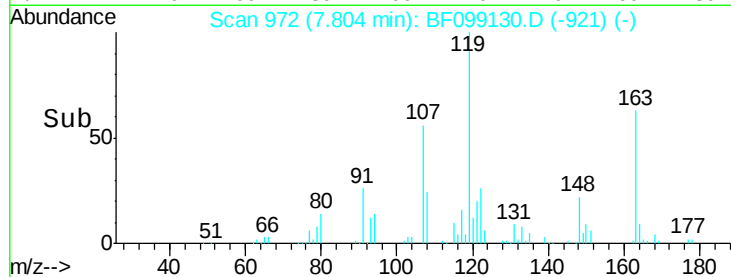
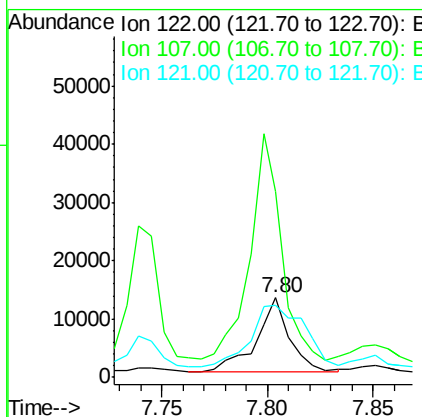
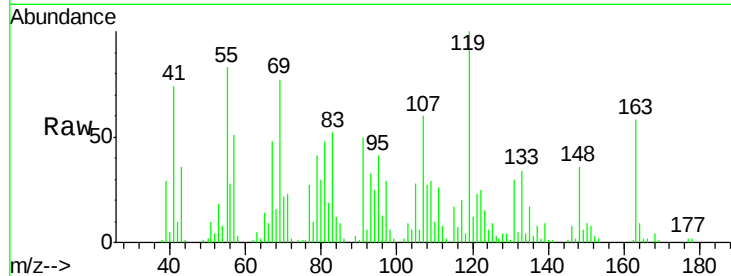




#27
2,4-Dimethylphenol
Concen: 2.19 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

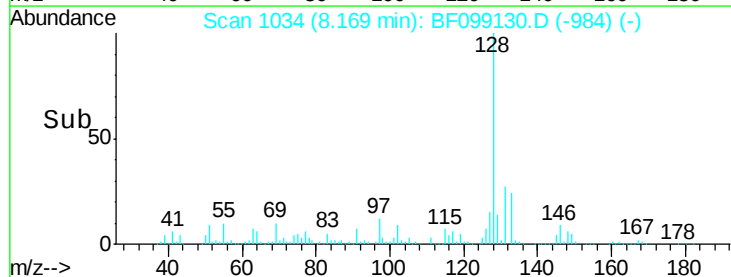
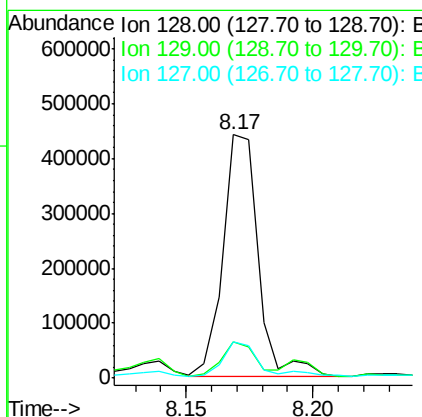
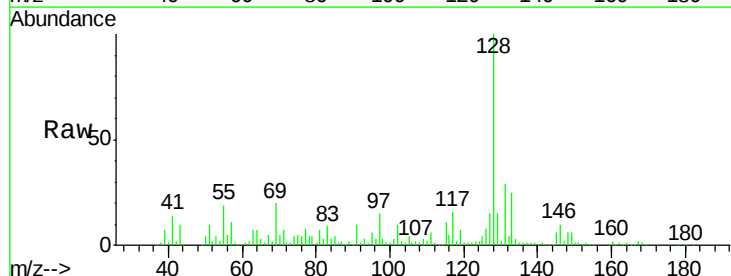
Instrument :
BNA_F
ClientSampleId :

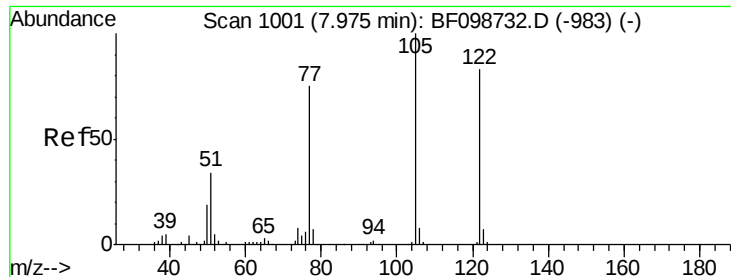
Tot Ion:122 Resp: 14094
Ion Ratio Lower Upper
122 100
107 234.5 91.2 136.8#
121 91.7 47.2 70.8#



#31
Naphthalene
Concen: 22.78 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion:128 Resp: 428847
Ion Ratio Lower Upper
128 100
129 15.1 8.8 13.2#
127 15.0 10.9 16.3





#32

Benzoic acid

Concen: 2.66 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.14 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampled :

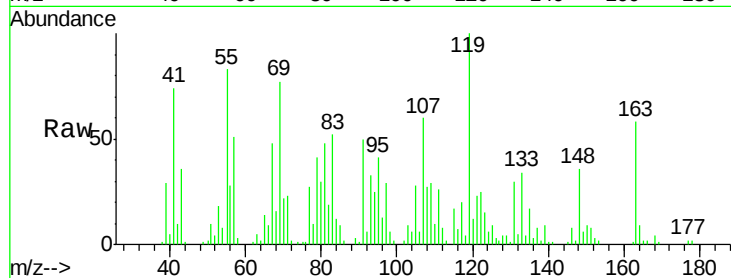
Tot Ion:122 Resp: 14094

Ion Ratio Lower Upper

122 100

105 109.7 101.1 141.1

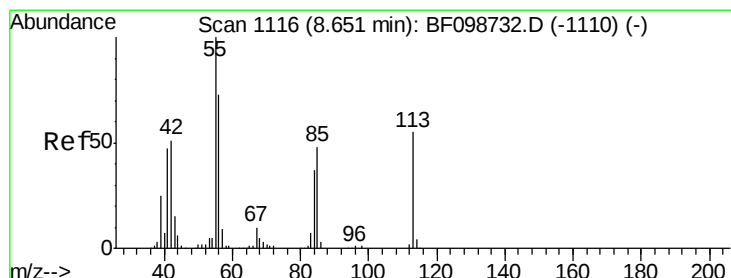
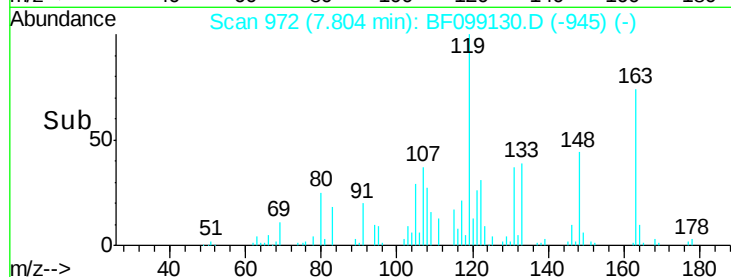
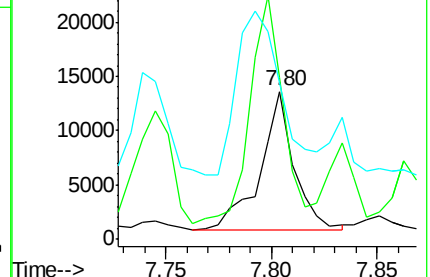
77 106.2 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 5.77 ng

RT: 8.60 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

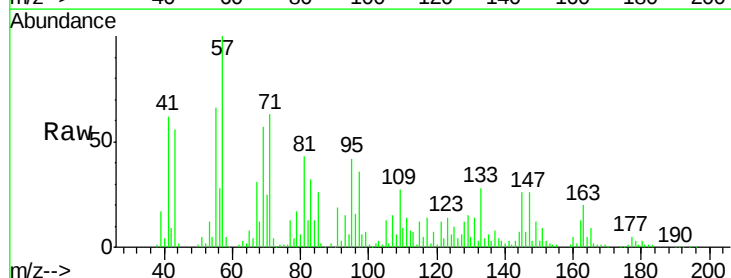
Tgt Ion:113 Resp: 10235

Ion Ratio Lower Upper

113 100

55 922.0 163.3 203.3#

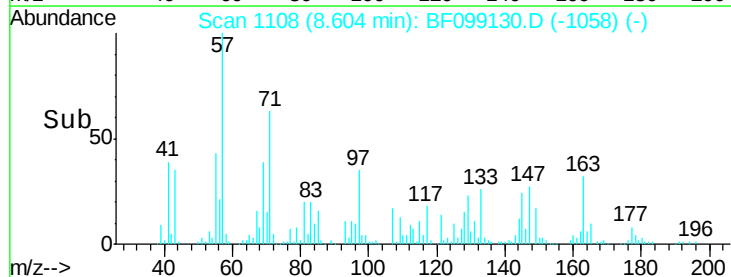
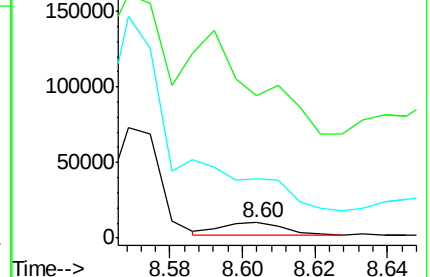
56 386.3 115.7 155.7#

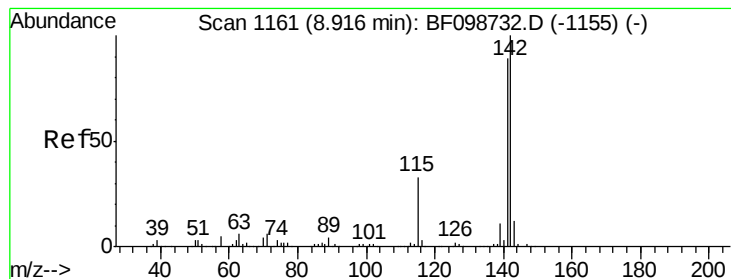


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

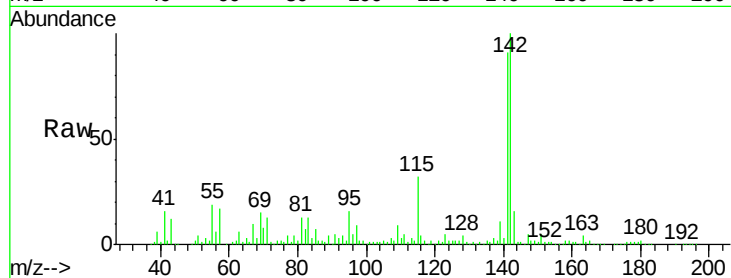




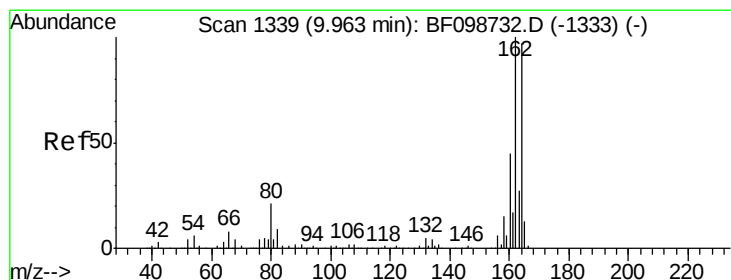
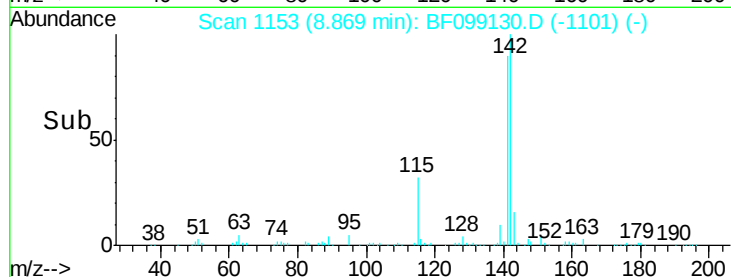
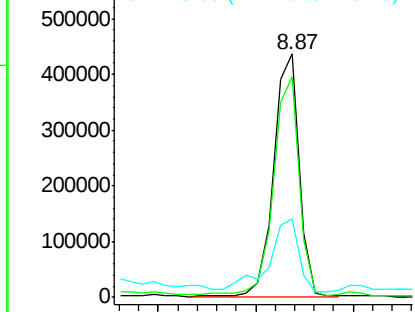
#37
 2-Methylnaphthalene
 Concen: 31.88 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2
115	32.5	26.1	39.1

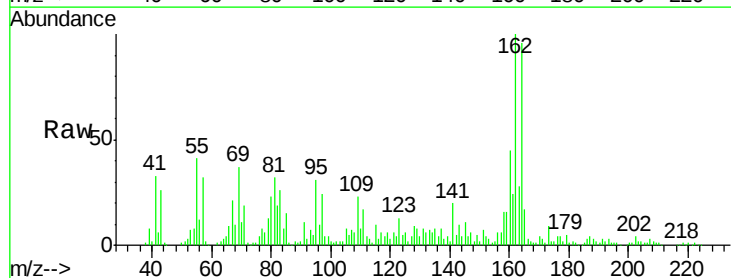


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

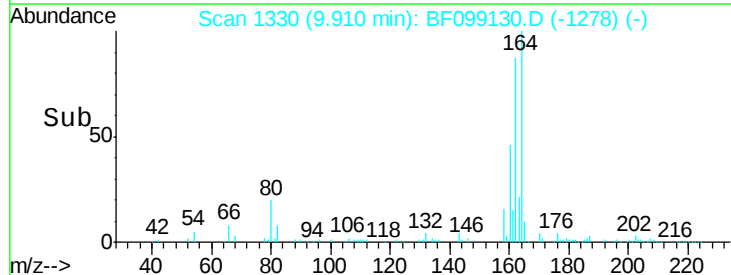
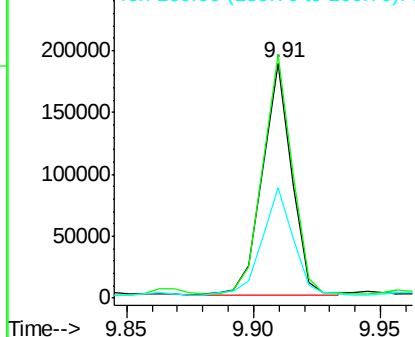


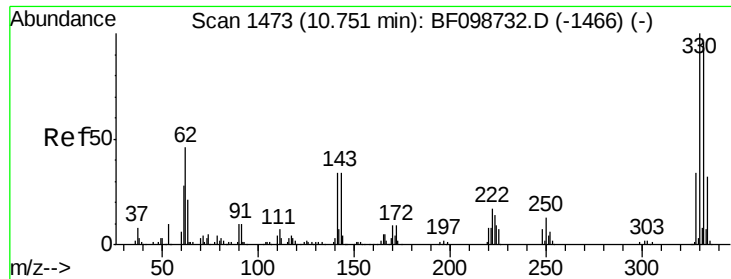
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	46.8	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

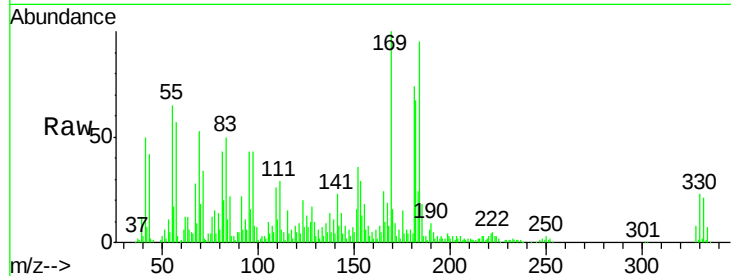




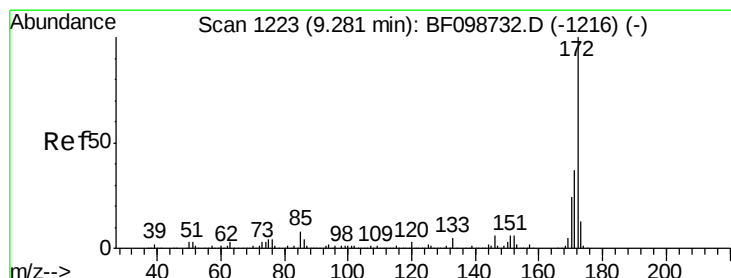
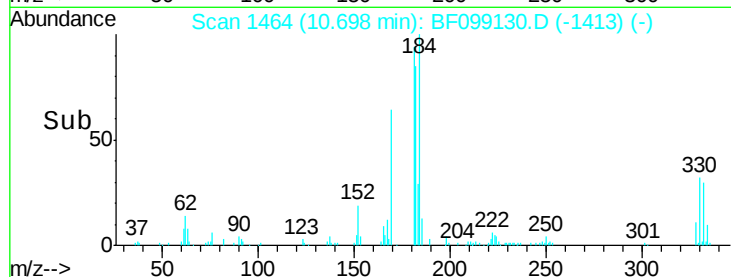
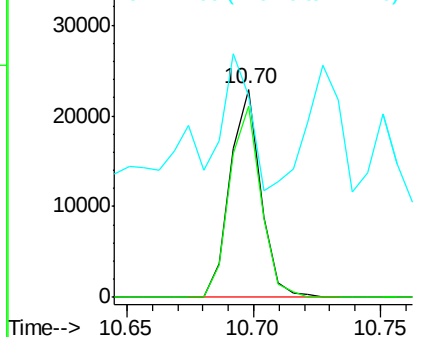
#41
 2,4,6-Tribromophenol
 Concen: 15.62 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 19141
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 140.7 29.9 44.9#

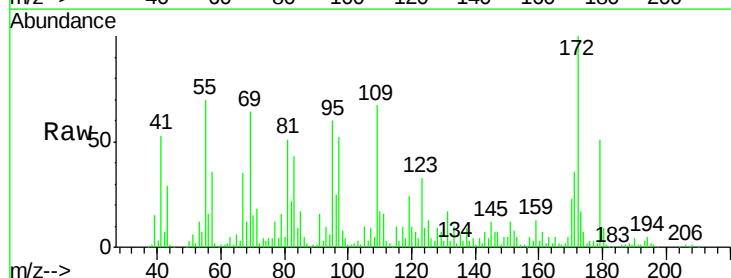


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

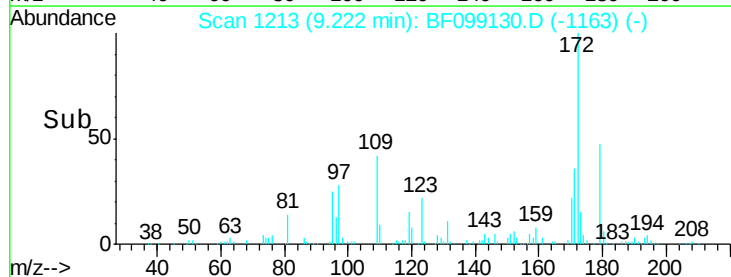
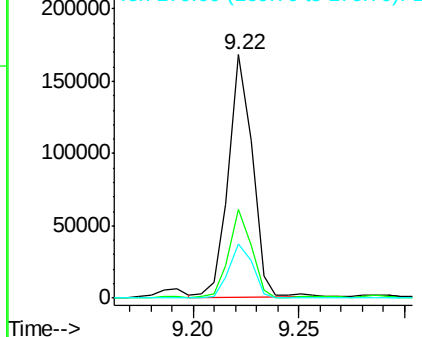


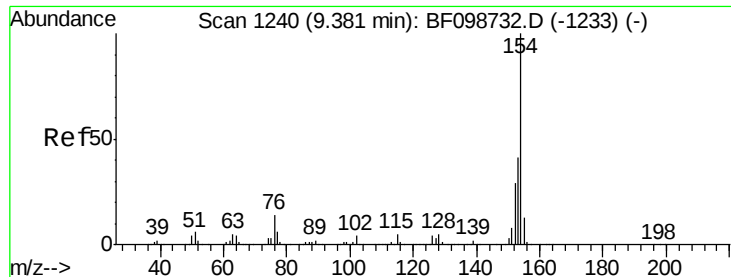
#44
 2-Fluorobiphenyl
 Concen: 14.69 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Tgt Ion:172 Resp: 131800
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 22.5 19.6 29.4



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





#45

1,1'-Biphenyl

Concen: 3.65 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

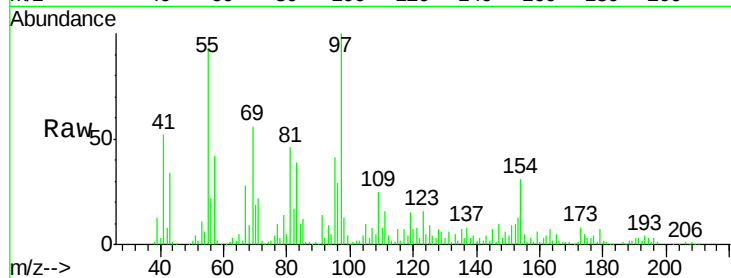
Tot Ion:154 Resp: 47004

Ion Ratio Lower Upper

154 100

153 42.7 21.3 61.3

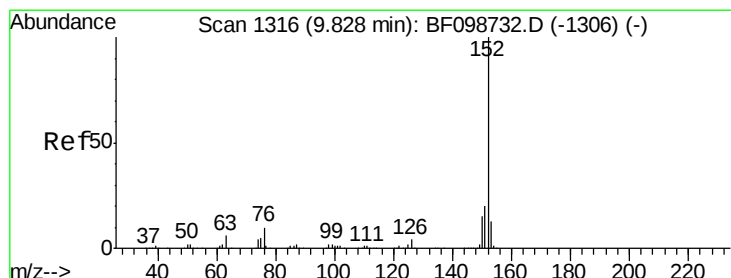
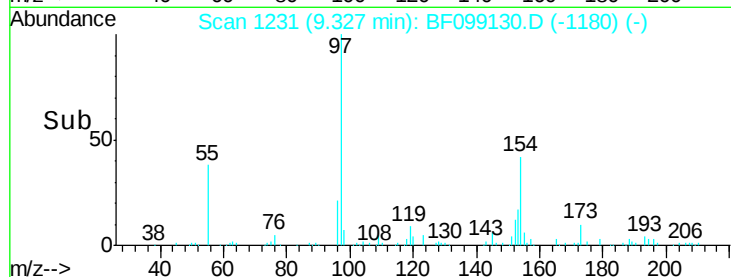
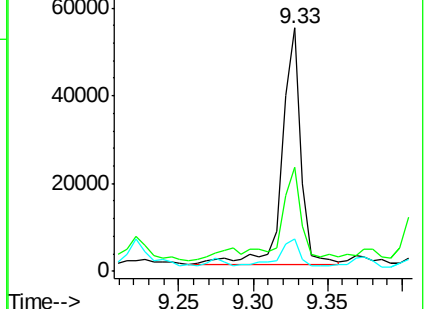
76 13.3 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#48

Acenaphthylene

Concen: 6.53 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

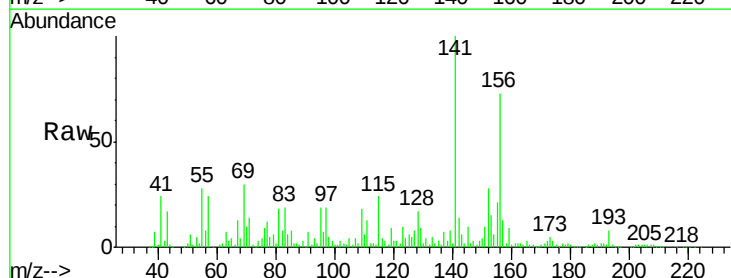
Tgt Ion:152 Resp: 96631

Ion Ratio Lower Upper

152 100

151 35.6 16.3 24.5#

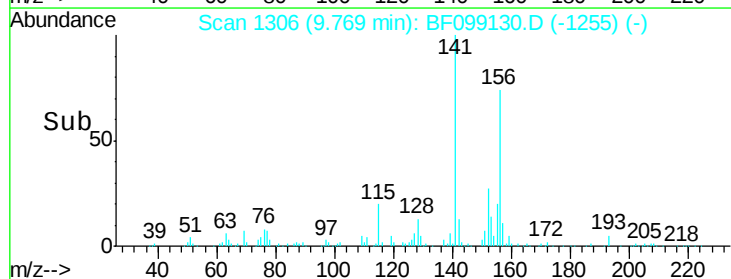
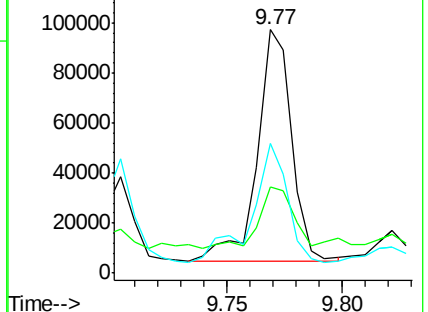
153 53.5 10.7 16.1#

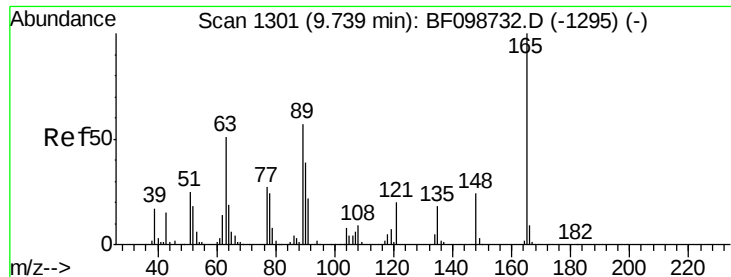


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

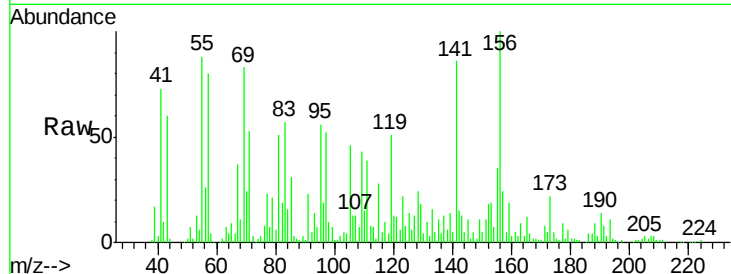




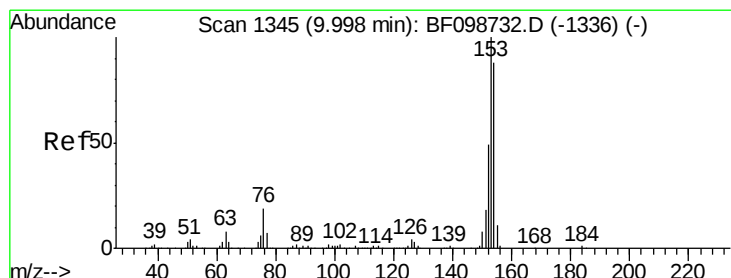
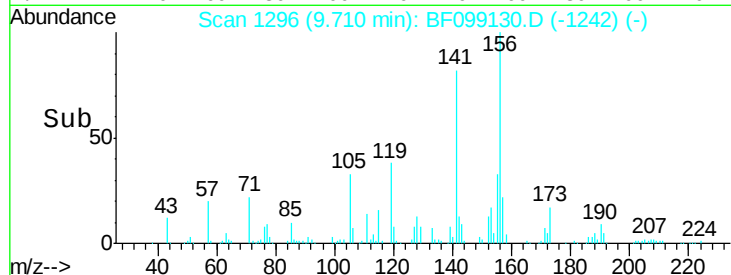
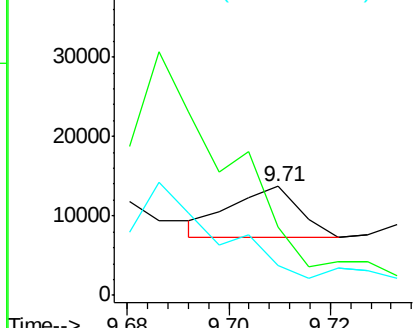
#50
2,6-Dinitrotoluene
Concen: 2.45 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.02 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 6034
Ion Ratio Lower Upper
165 100
63 62.4 44.7 67.1
89 27.2 44.0 66.0#

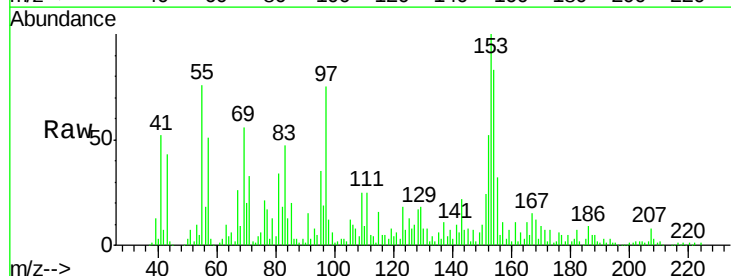


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

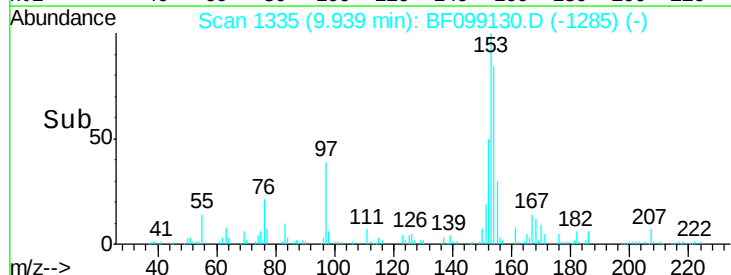
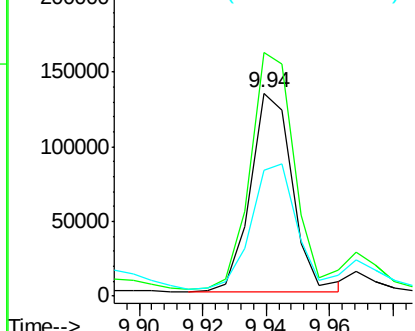


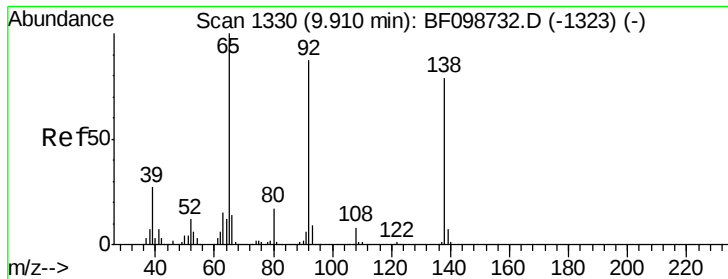
#51
Acenaphthene
Concen: 13.22 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion:154 Resp: 123846
Ion Ratio Lower Upper
154 100
153 120.0 91.2 136.8
152 62.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

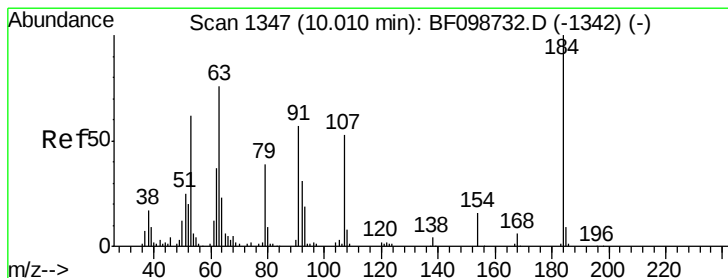
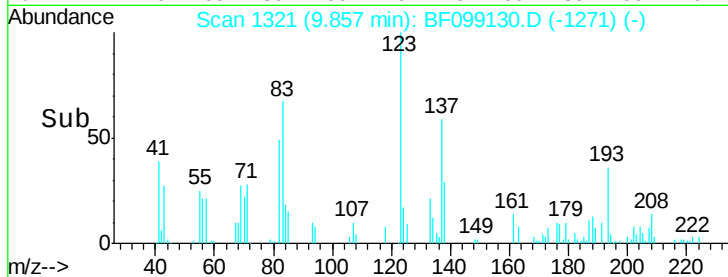
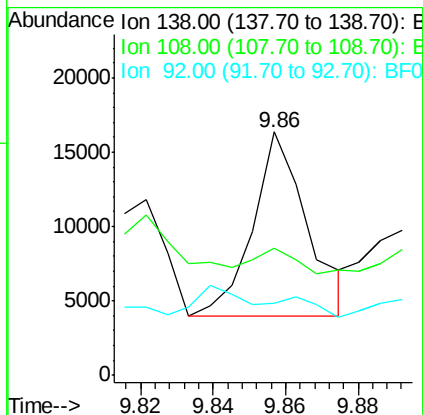
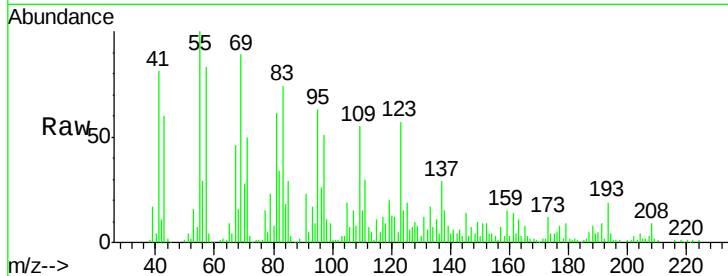




#52
3-Nitroaniline
Concen: 4.50 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

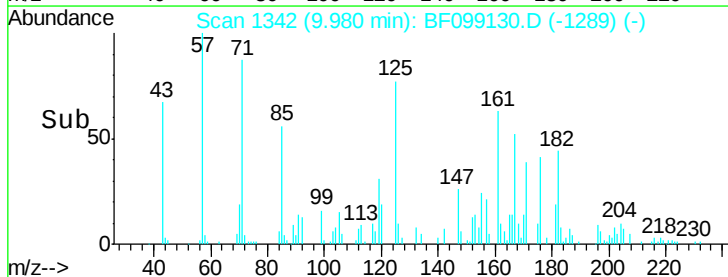
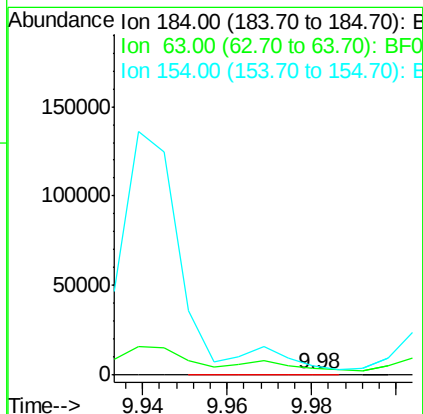
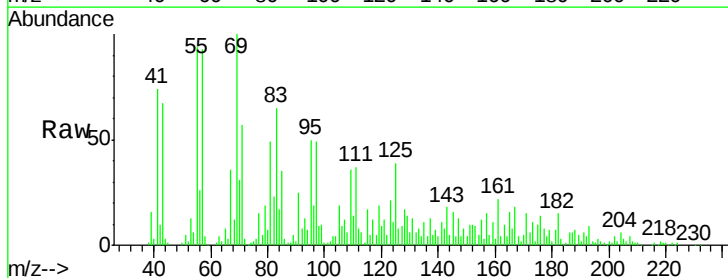
Instrument :
BNA_F
ClientSampleId :

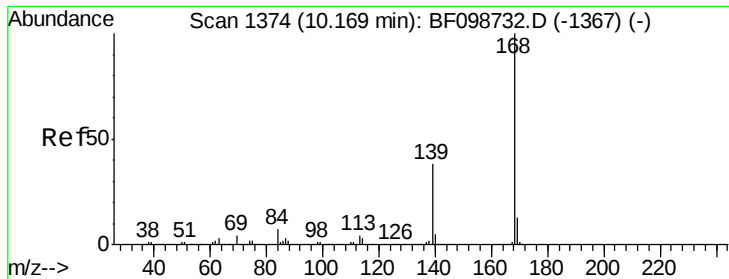
Tot Ion:138 Resp: 12899
Ion Ratio Lower Upper
138 100
108 52.3 9.4 14.0#
92 29.6 89.4 134.2#



#53
2,4-Dinitrophenol
Concen: 6.36 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion:184 Resp: 729
Ion Ratio Lower Upper
184 100
63 936.0 54.2 81.2#
154 1162.2 53.5 80.3#





#54

Dibenzofuran

Concen: 6.13 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampled :

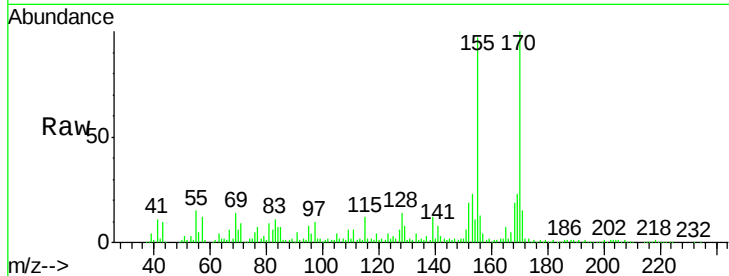
Tot Ion:168 Resp: 76432

Ion Ratio Lower Upper

168 100

139 64.5 30.1 45.1#

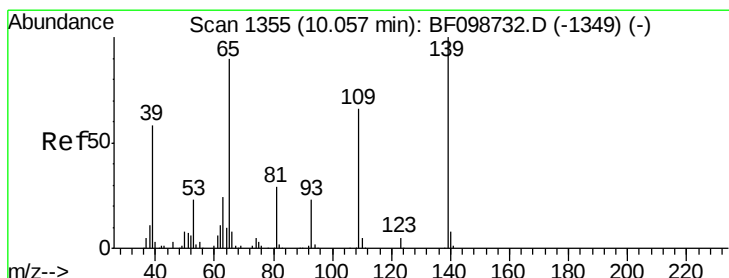
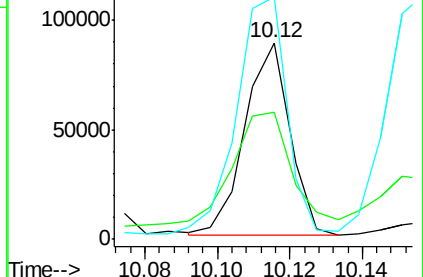
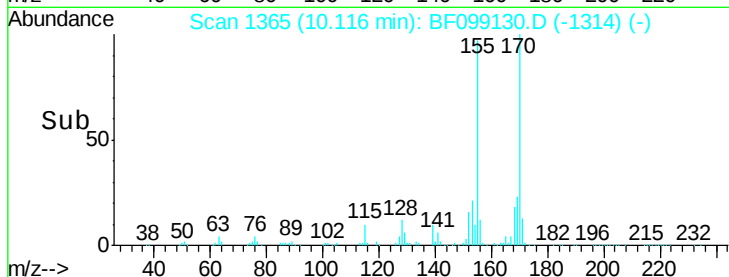
169 123.0 10.9 16.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 17.52 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

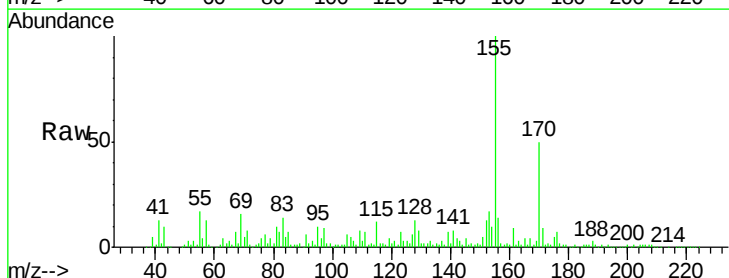
Tgt Ion:139 Resp: 42501

Ion Ratio Lower Upper

139 100

109 103.4 48.4 88.4#

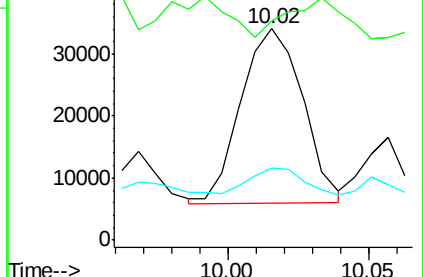
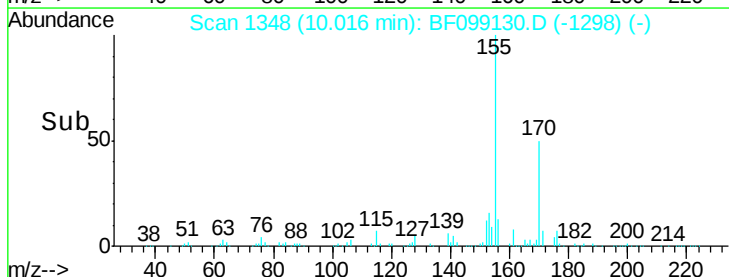
65 34.1 72.6 112.6#

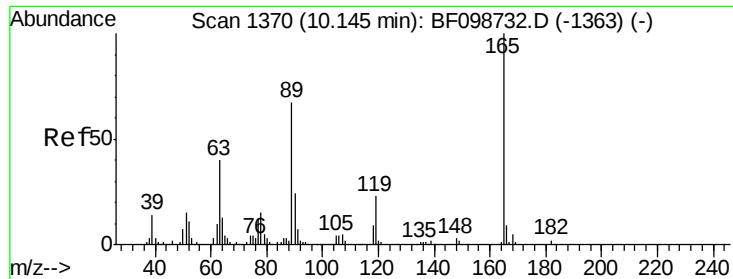


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

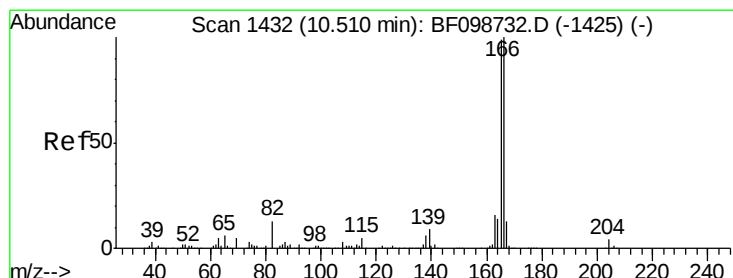
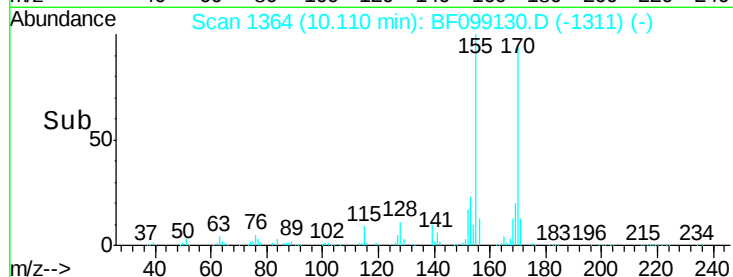
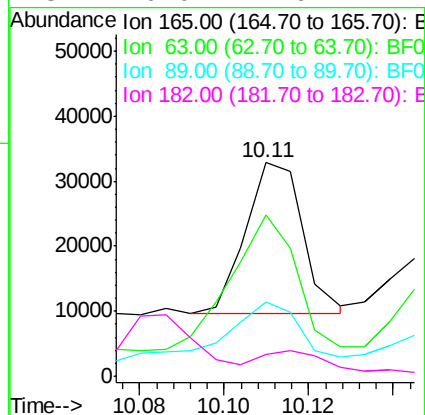
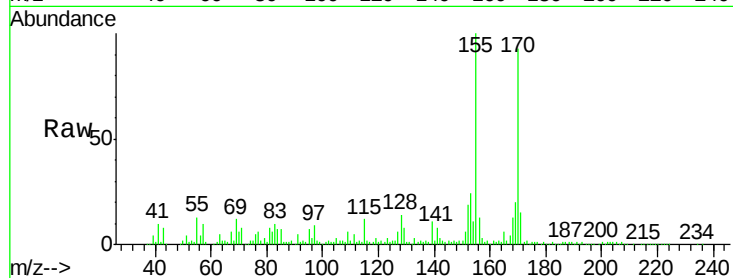




#56
2,4-Dinitrotoluene
Concen: 6.86 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

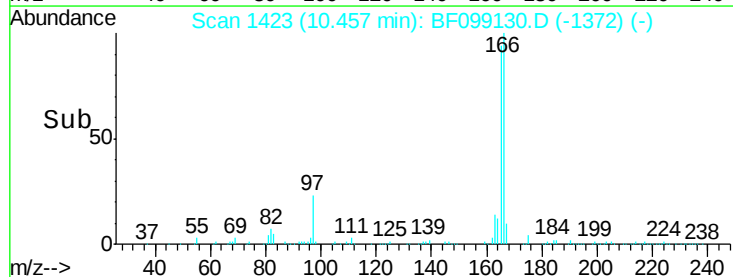
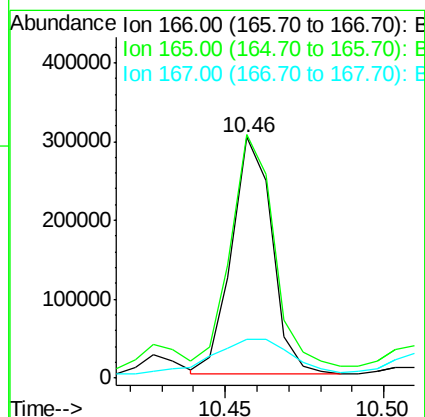
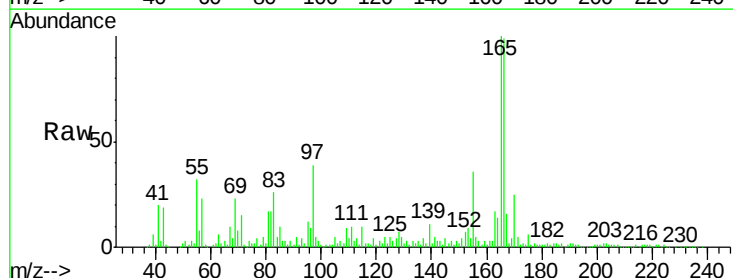
Instrument :
BNA_F
ClientSampleId :

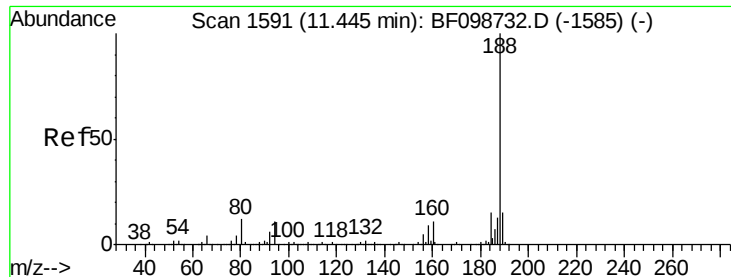
Tot Ion:165 Resp: 21893
Ion Ratio Lower Upper
165 100
63 75.4 36.4 54.6#
89 35.0 57.8 86.6#
182 10.0 1.6 2.4#



#57
Fluorene
Concen: 26.39 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion:166 Resp: 264666
Ion Ratio Lower Upper
166 100
165 101.1 79.8 119.8
167 16.3 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

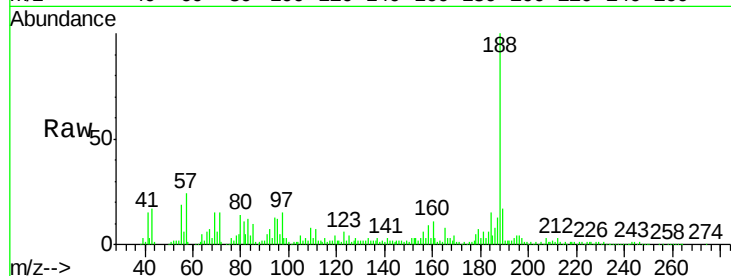
Tot Ion:188 Resp: 219590

Ion Ratio Lower Upper

188 100

94 12.9 8.5 12.7#

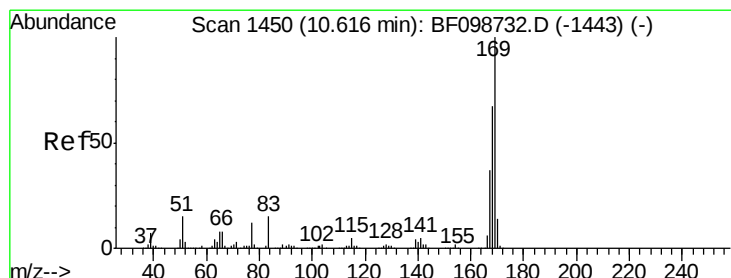
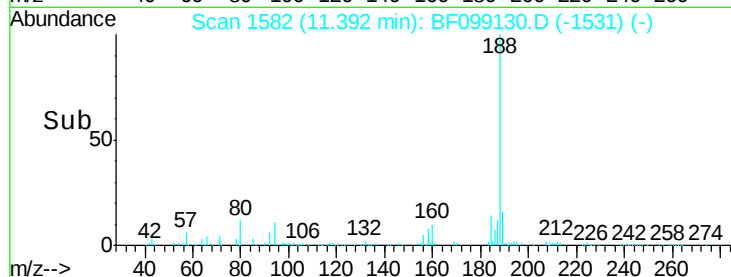
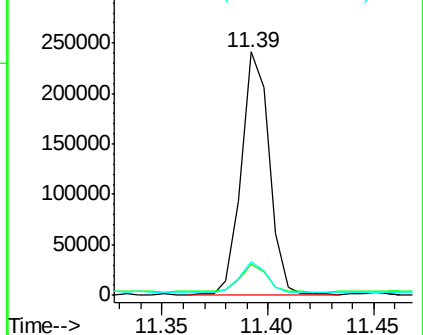
80 13.7 9.2 13.8



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



#65

n-Nitrosodiphenylamine

Concen: 28.48 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

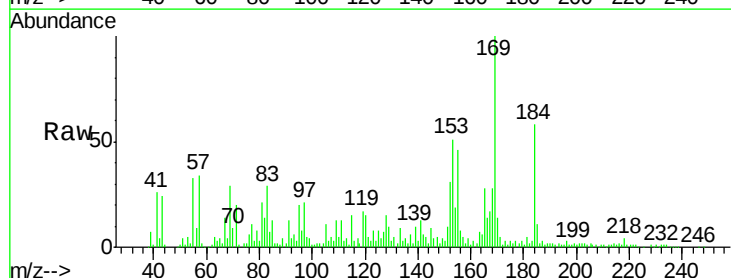
Tgt Ion:169 Resp: 216620

Ion Ratio Lower Upper

169 100

168 28.3 54.4 81.6#

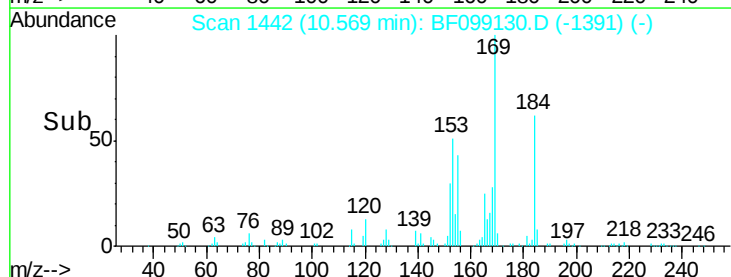
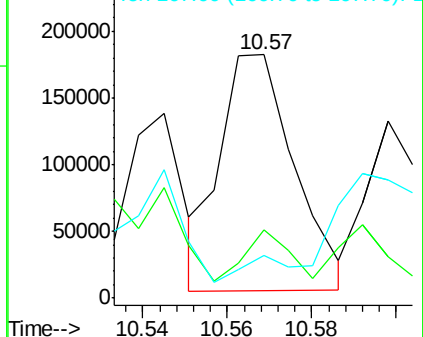
167 17.3 29.8 44.6#

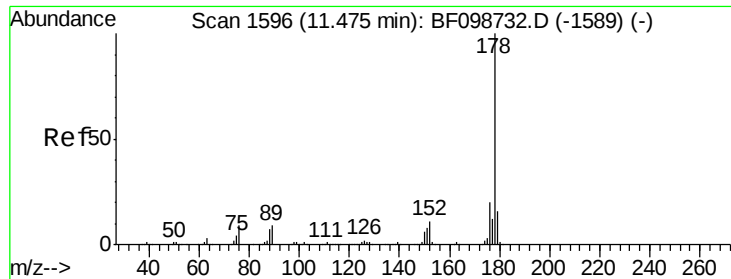


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

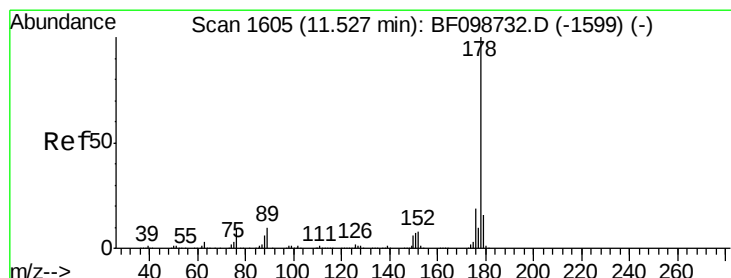
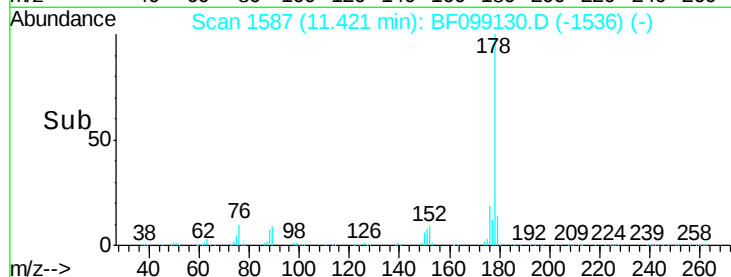
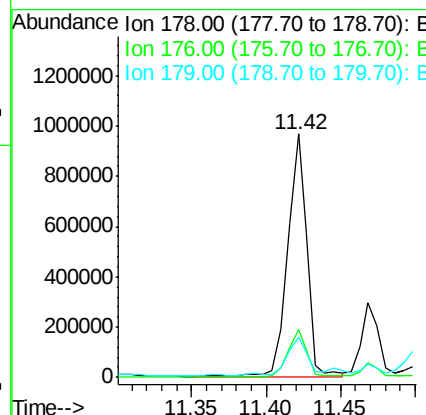
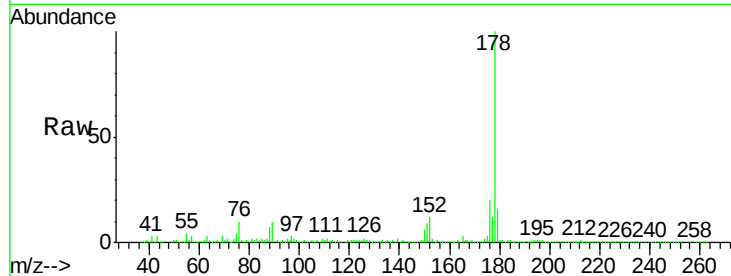




#70
Phenanthrene
Concen: 74.05 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

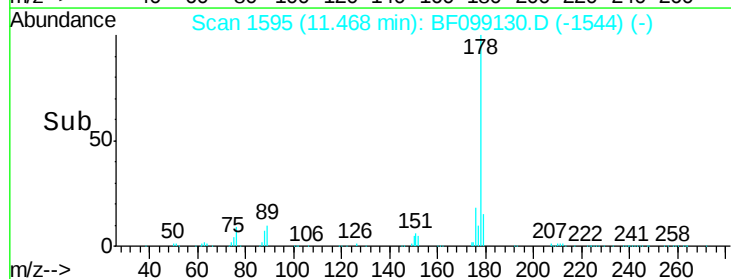
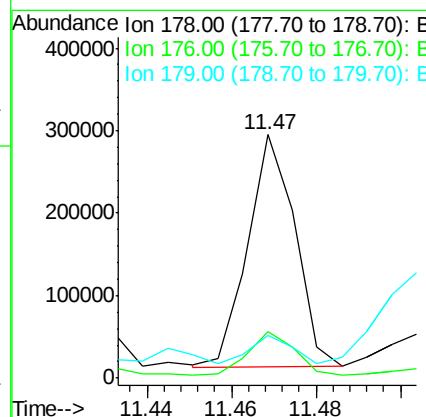
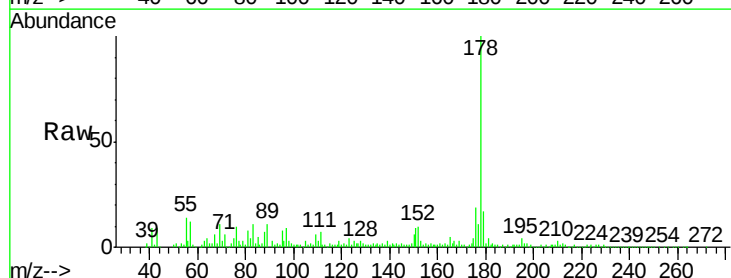
Instrument :
BNA_F
ClientSampleId :

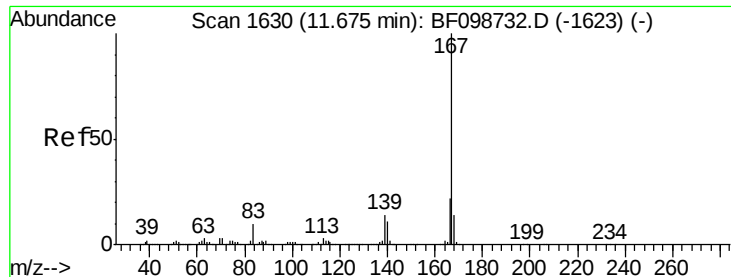
Tot Ion:178 Resp: 870444
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 16.3 13.0 19.6



#71
Anthracene
Concen: 18.07 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion:178 Resp: 217362
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 17.4 12.6 19.0





#72

Carbazole

Concen: 2.36 ng

RT: 11.62 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

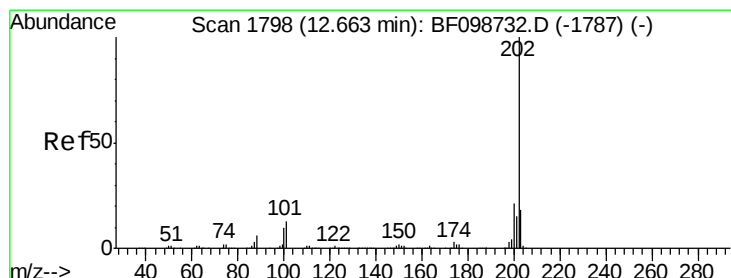
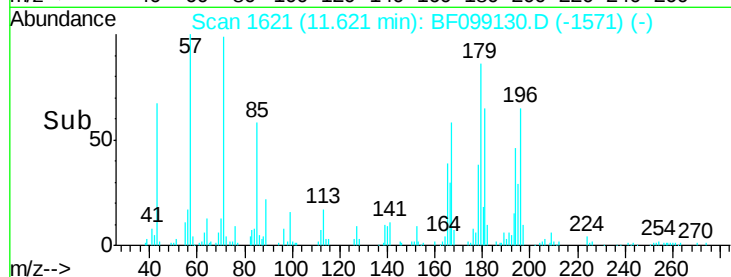
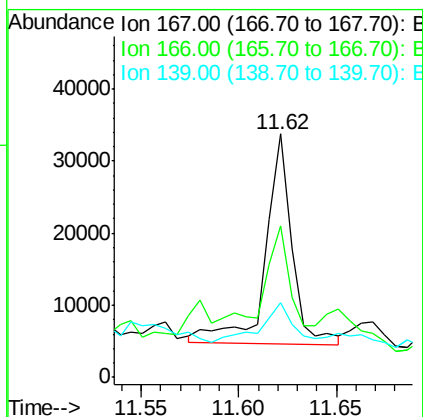
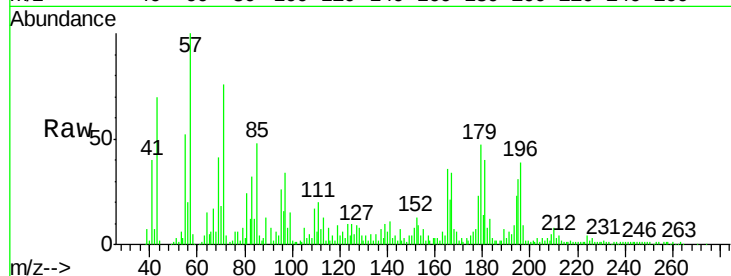
Tot Ion:167 Resp: 27775

Ion Ratio Lower Upper

167 100

166 62.5 17.6 26.4#

139 30.8 10.9 16.3#



#74

Fluoranthene

Concen: 36.10 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

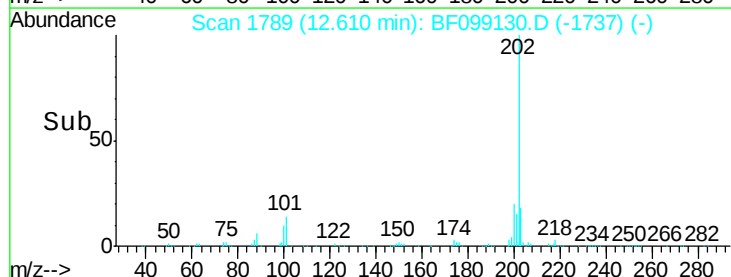
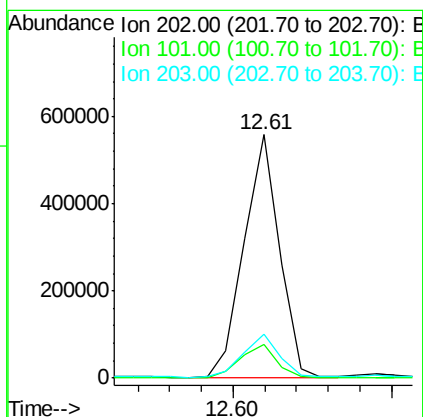
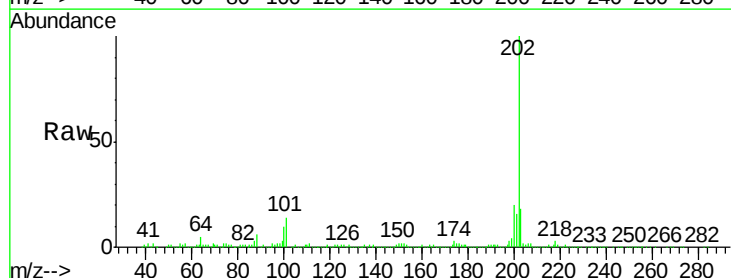
Tgt Ion:202 Resp: 429712

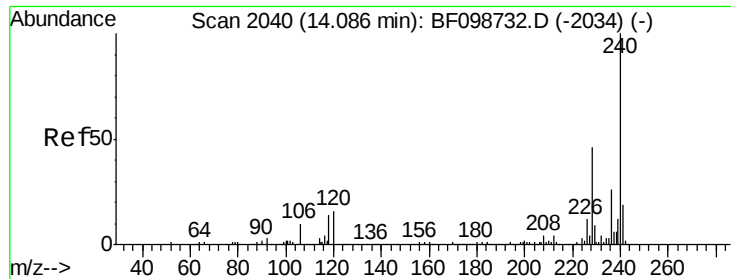
Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

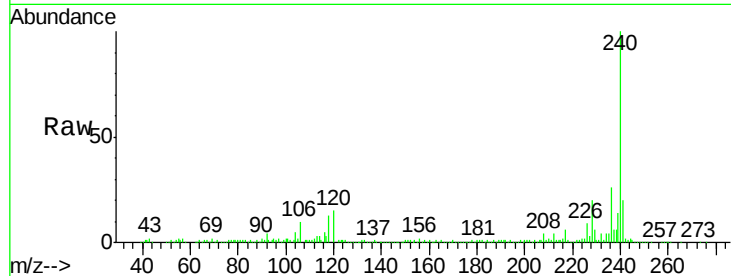
Tot Ion:240 Resp: 226431

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

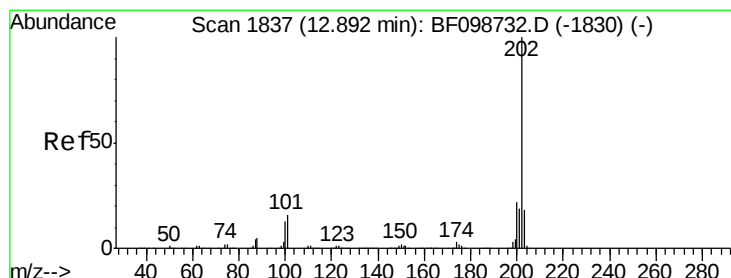
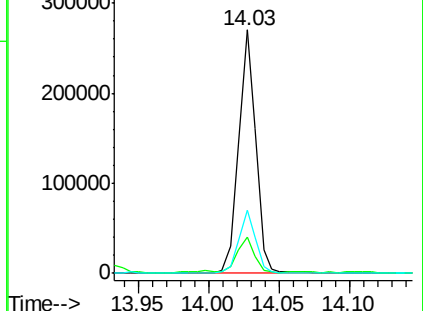
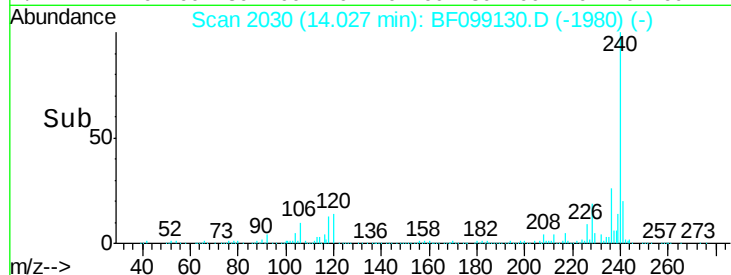
236 26.1 20.7 31.1



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

Pyrene

Concen: 31.59 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

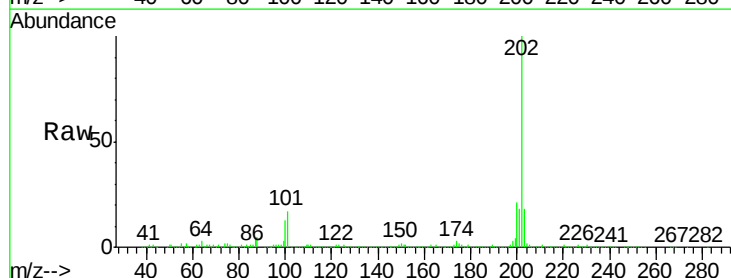
Tgt Ion:202 Resp: 545369

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

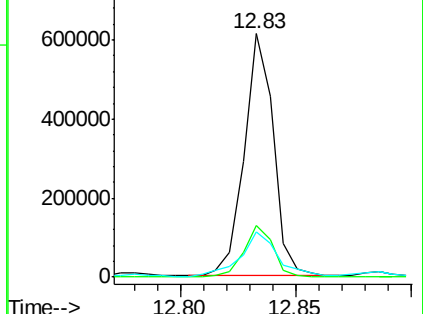
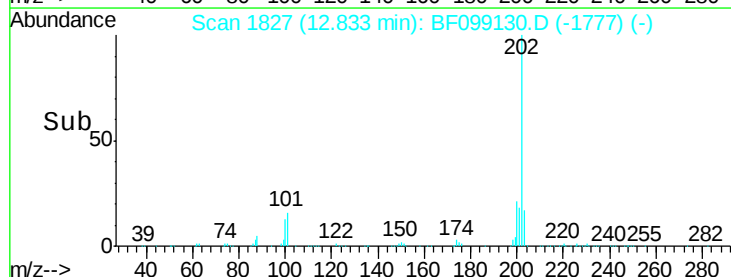
203 18.5 14.3 21.5

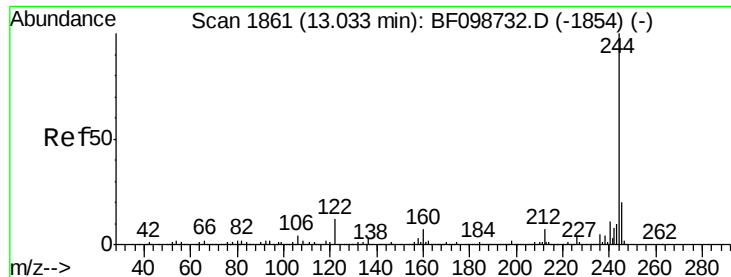


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.95 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

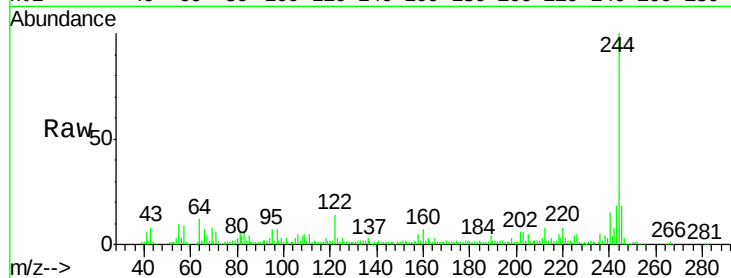
Tot Ion:244 Resp: 89105

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

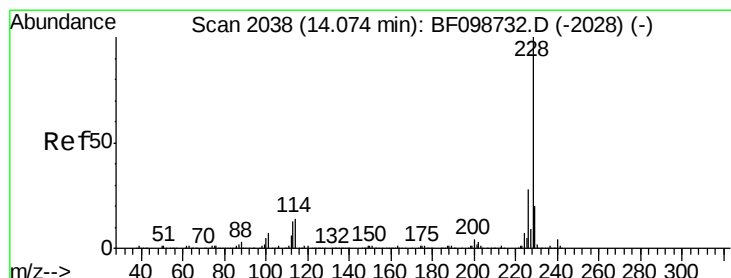
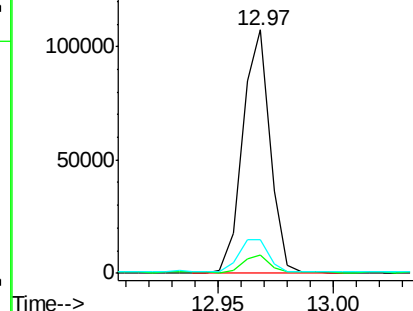
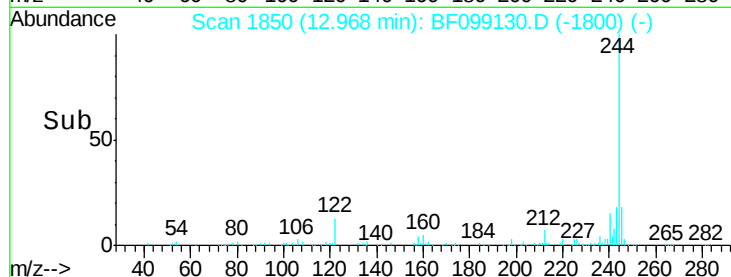
122 13.9 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 16.09 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

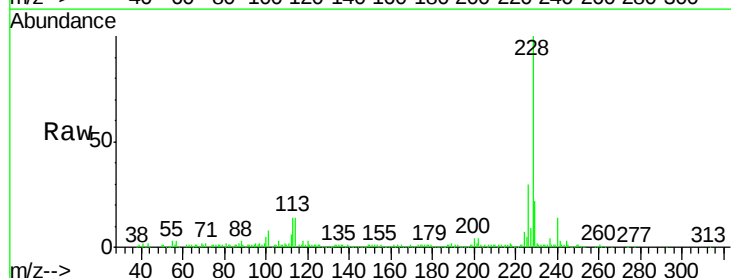
Tgt Ion:228 Resp: 220671

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

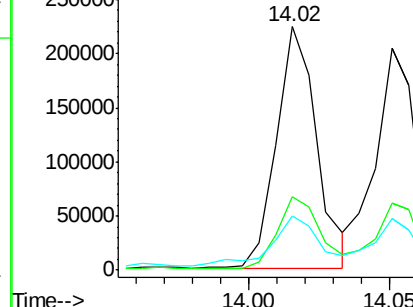
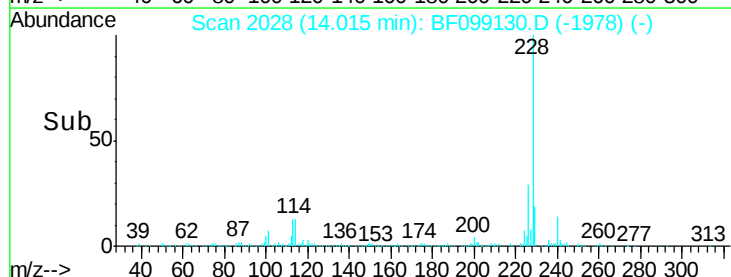
229 22.1 15.8 23.6

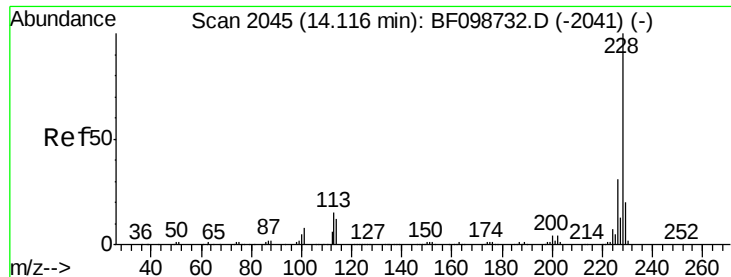


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.36 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

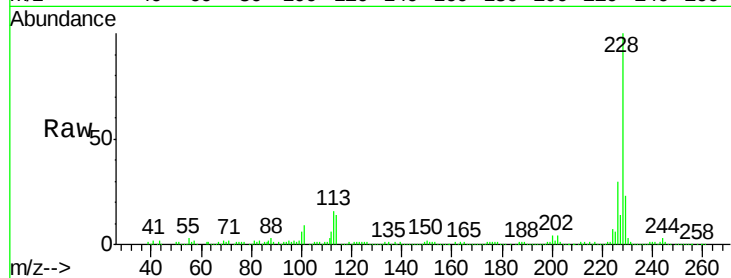
Tot Ion:228 Resp: 200474

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

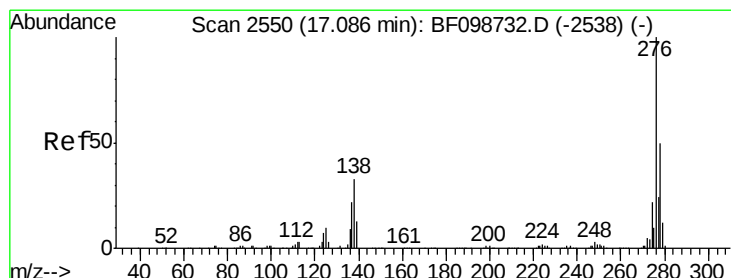
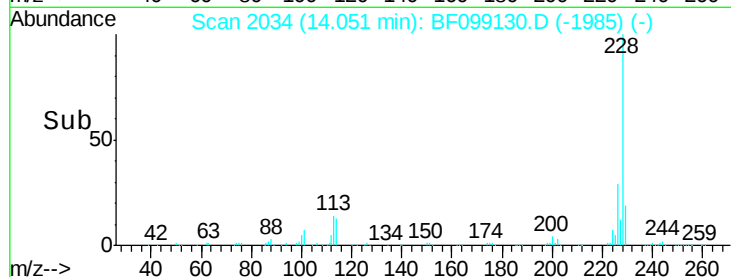
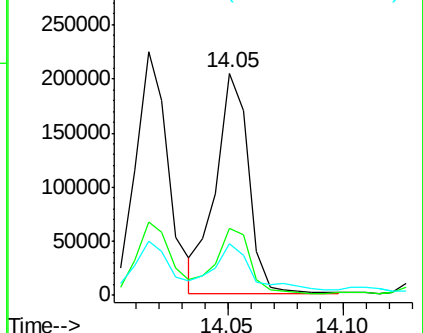
229 23.0 16.2 24.4



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: 6.01 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

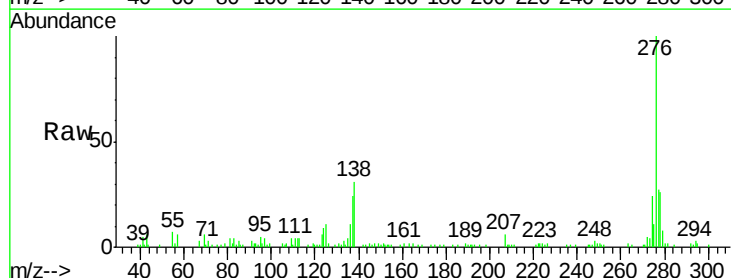
Tgt Ion:276 Resp: 62726

Ion Ratio Lower Upper

276 100

138 29.4 25.0 37.6

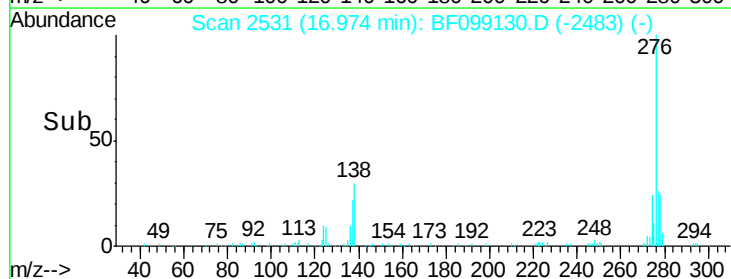
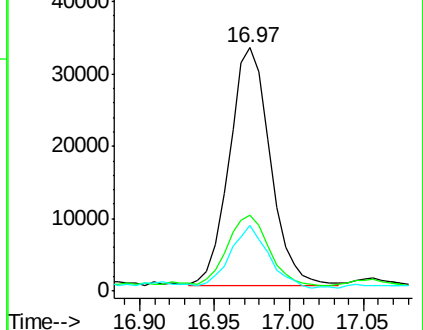
277 24.5 20.1 30.1

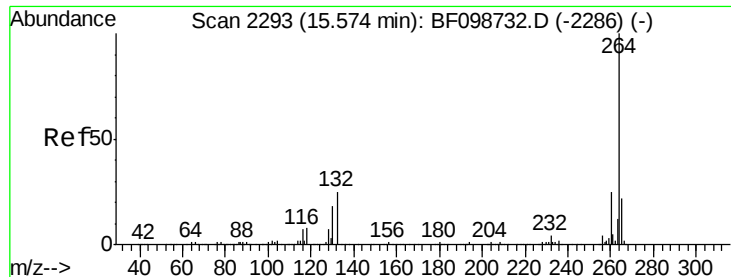


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

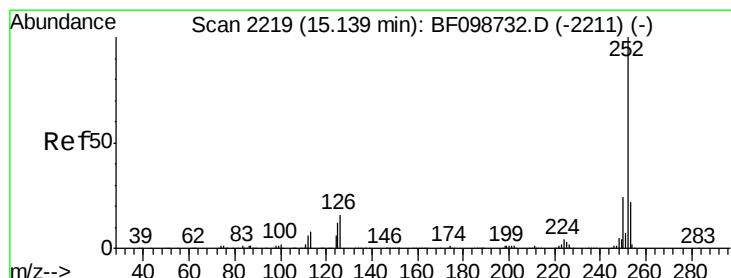
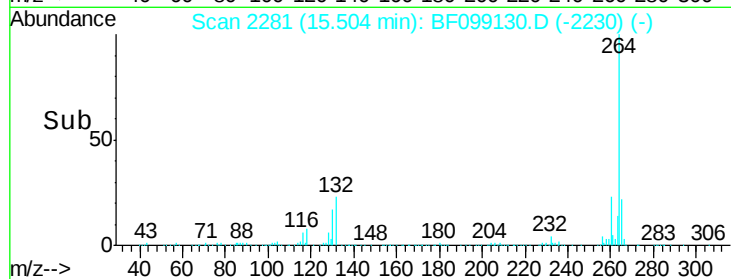
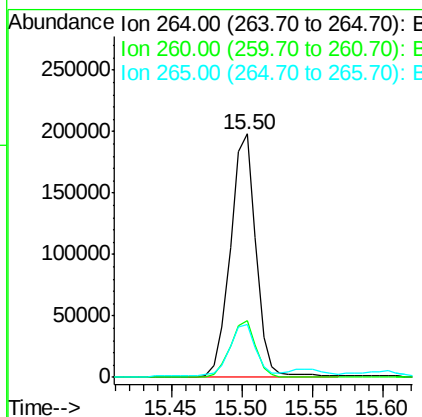
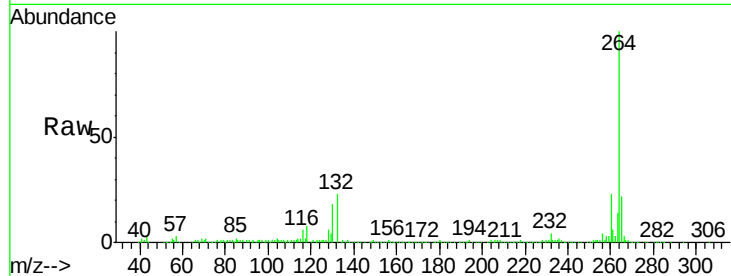




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

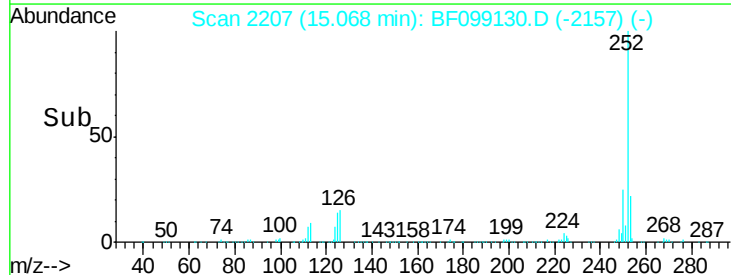
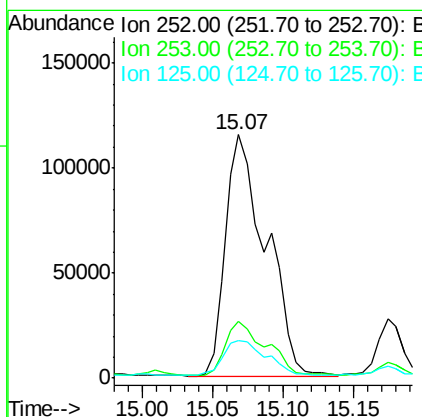
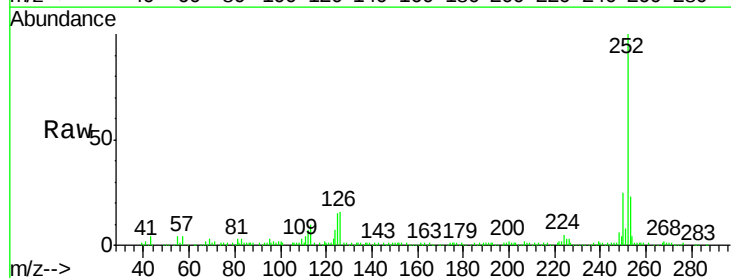
Instrument :
BNA_F
ClientSampleId :

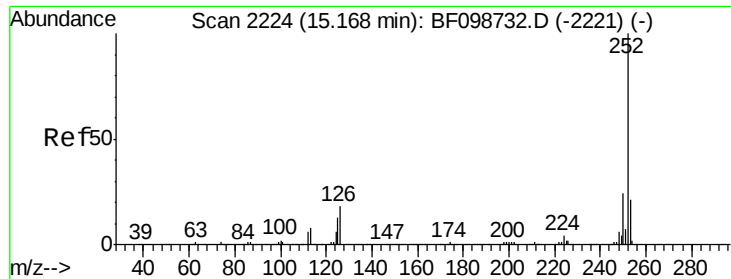
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 15.13 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099130.D
Acq: 6 Oct 2017 5:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	15.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 15.32 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.04 min

Lab File: BF099130.D

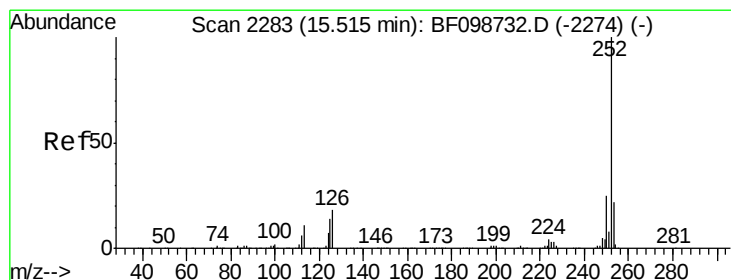
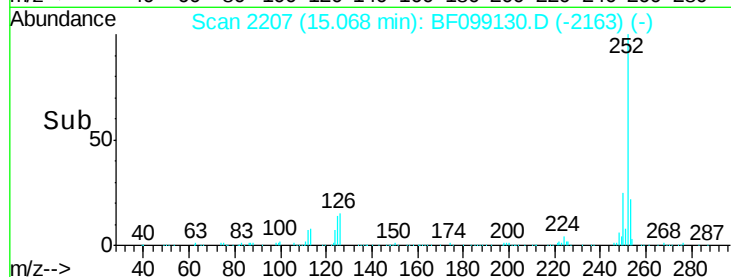
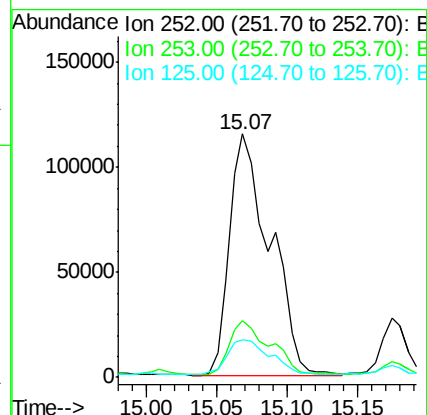
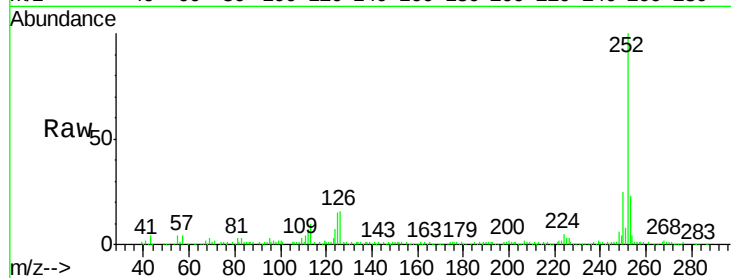
Acq: 6 Oct 2017 5:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	230770
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.4	10.2	15.2#



#89

Benzo(a)pyrene

Concen: 11.79 ng

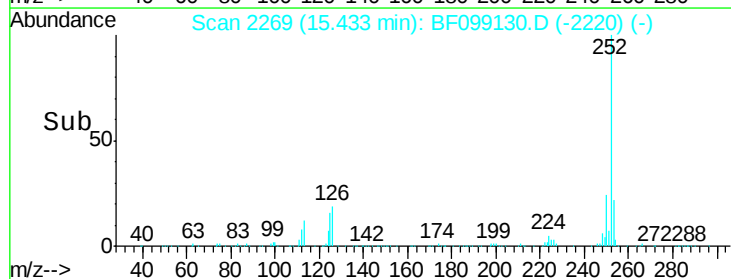
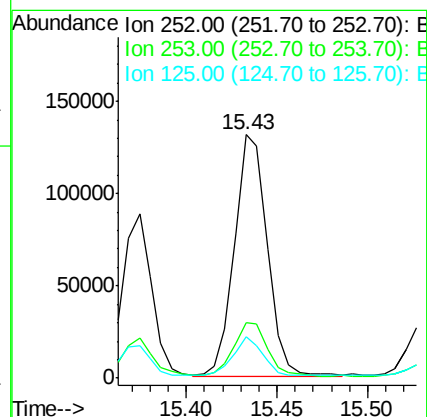
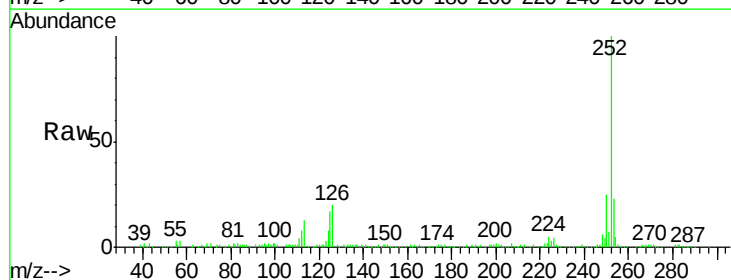
RT: 15.43 min Scan# 2269

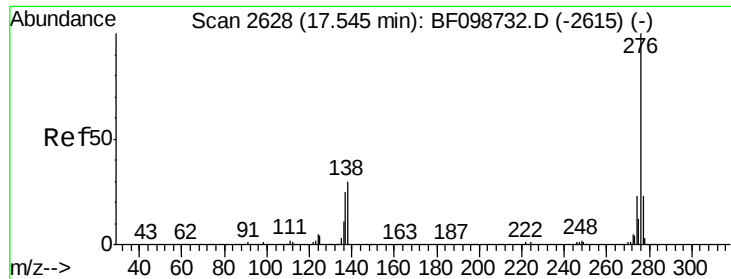
Delta R.T. -0.01 min

Lab File: BF099130.D

Acq: 6 Oct 2017 5:52

Tgt Ion:	252	Resp:	165060
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	17.0	9.8	14.6#

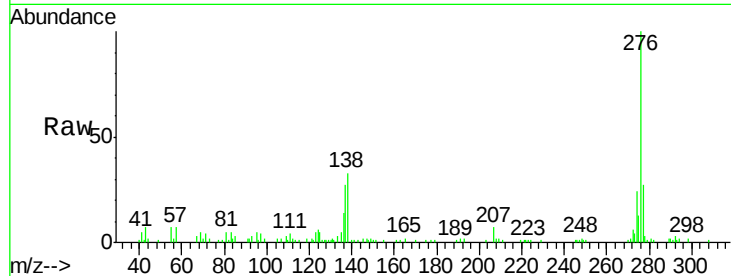




#91
 Benzo(a,h,i)perylene
 Concen: 5.56 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.02 min
 Lab File: BF099130.D
 Acq: 6 Oct 2017 5:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	33.1	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

