

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099120.D
 Acq On : 5 Oct 2017 23:06
 Operator : SJ/JU
 Sample : I5585-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 02:14:35 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	137097	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	563140	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	246223	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	392712	20.00	ng	0.00
75) Chrysene-d12	14.02	240	223774	20.00	ng	-0.01
86) Perylene-d12	15.50	264	233079	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	141386	16.42	ng	0.00
7) Phenol-d6	6.48	99	183492	17.27	ng	-0.02
23) Nitrobenzene-d5	7.42	82	105301	11.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	29311	14.55	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	215019	14.58	ng	-0.01
78) Terphenyl-d14	12.96	244	133929	13.61	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	112	0.03	ng	# 20
6) Aniline	6.63	93	119	0.01	ng	# 1
9) Benzaldehyde	6.63	77	3116	0.51	ng	88
10) Phenol	6.50	94	3702	0.31	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	119	0.01	ng	# 1
15) Benzyl Alcohol	7.02	79	1767	0.23	ng	# 39
19) n-Nitroso-di-n-propylamine	7.42	70	13724	2.02	ng	# 74
22) Acetophenone	7.27	105	1559	0.11	ng	# 90
24) Nitrobenzene	7.43	77	358	0.04	ng	# 38
25) Isophorone	7.42	82	105190	5.79	ng	# 64
31) Naphthalene	8.16	128	11973	0.45	ng	98
33) 4-Chloroaniline	8.17	127	1462	0.13	ng	# 53
35) Caprolactam	8.56	113	336	0.13	ng	# 86
37) 2-Methylnaphthalene	8.86	142	9048	0.53	ng	98
45) 1,1'-Biphenyl	9.32	154	2828	0.13	ng	93
47) 2-Nitroaniline	9.22	65	314	0.06	ng	# 2
48) Acenaphthylene	9.76	152	9697	0.40	ng	97
49) Dimethylphthalate	9.61	163	24680	1.33	ng	97
50) 2,6-Dinitrotoluene	9.90	165	32018	7.91	ng	# 25
51) Acenaphthene	9.93	154	1283	0.08	ng	# 78
54) Dibenzofuran	10.10	168	7538	0.37	ng	95
55) 4-Nitrophenol	10.10	139	2814	0.71	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	32018	6.10	ng	# 23
57) Fluorene	10.45	166	1294	0.08	ng	# 91
59) Diethylphthalate	10.31	149	112	0.01	ng	# 61
62) Azobenzene	10.60	77	379	0.02	ng	# 1
65) n-Nitrosodiphenylamine	10.55	169	718	0.05	ng	# 24
66) 4-Bromophenyl-phenylether	10.69	248	1737	0.45	ng	# 1
70) Phenanthrene	11.41	178	31208	1.48	ng	98
71) Anthracene	11.46	178	12966	0.60	ng	97
72) Carbazole	11.62	167	4559	0.22	ng	99
73) Di-n-butylphthalate	11.94	149	6933	0.27	ng	98
74) Fluoranthene	12.60	202	49118	2.31	ng	97
76) Benzdine	12.96	184	2041	0.25	ng	# 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

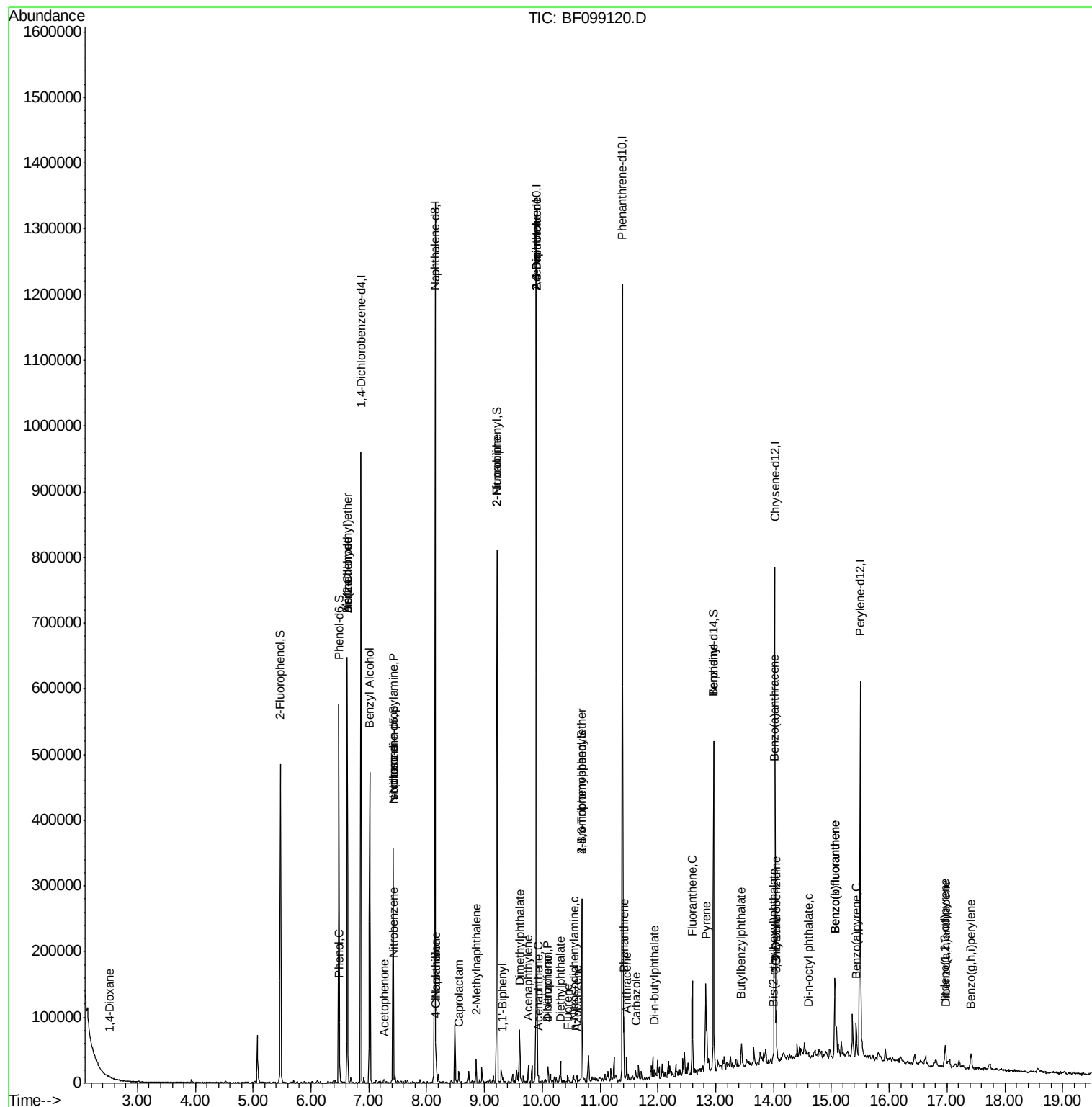
77) Pyrene	12.83	202	47924	2.81	nq	98
79) Butylbenzylphthalate	13.44	149	2248	0.28	nq	# 44
80) Benzo(a)anthracene	14.01	228	25481	1.88	nq	92
81) 3,3'-Dichlorobenzidine	14.06	252	280	0.06	nq	# 29
82) Chrysene	14.04	228	29714	2.30	nq	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	3764	0.34	nq	# 94
84) Di-n-octyl phthalate	14.61	149	646	0.04	nq	# 1
85) Indeno(1,2,3-cd)pyrene	16.97	276	21056	2.04	nq	99
87) Benzo(b)fluoranthene	15.06	252	71544	4.99	nq	# 94
88) Benzo(k)fluoranthene	15.06	252	71544	5.05	nq	97
89) Benzo(a)pyrene	15.43	252	23580	1.79	nq	# 92
90) Dibenzo(a,h)anthracene	16.99	278	6496	0.62	nq	# 85
91) Benzo(a,h,i)perylene	17.42	276	17684	1.70	nq	# 89

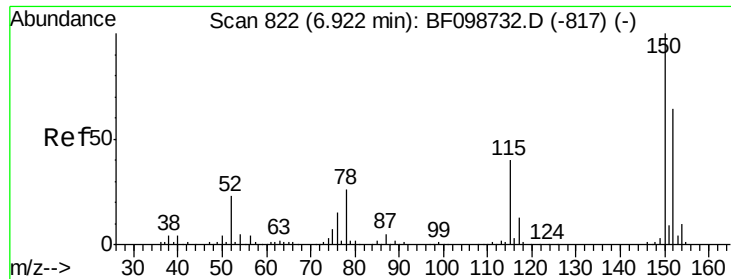
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

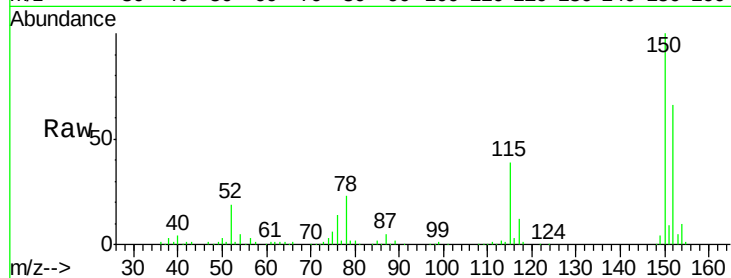
Tot Ion:152 Resp: 137097

Ion Ratio Lower Upper

152 100

150 151.1 124.6 186.8

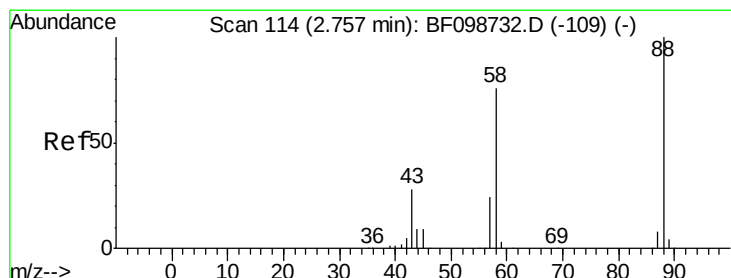
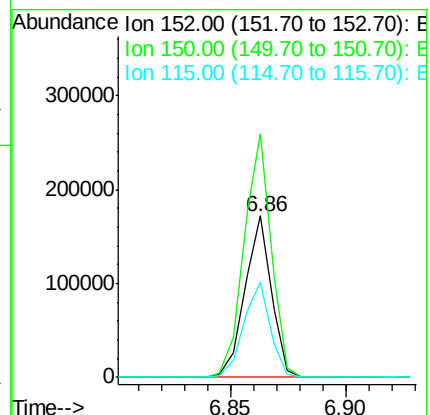
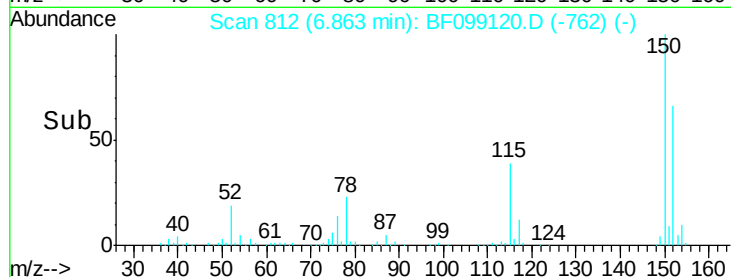
115 59.3 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.03 ng

RT: 2.52 min Scan# 74

Delta R.T. -0.11 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

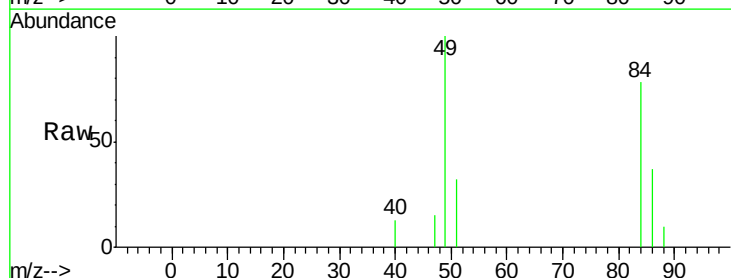
Tgt Ion: 88 Resp: 112

Ion Ratio Lower Upper

88 100

58 0.0 62.6 93.8#

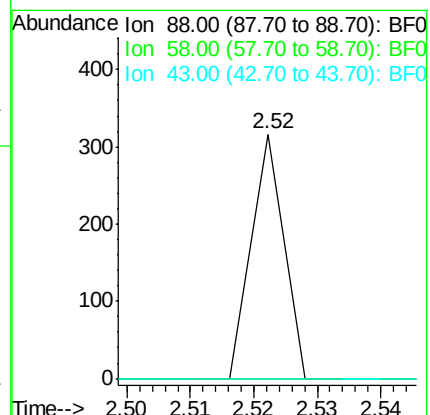
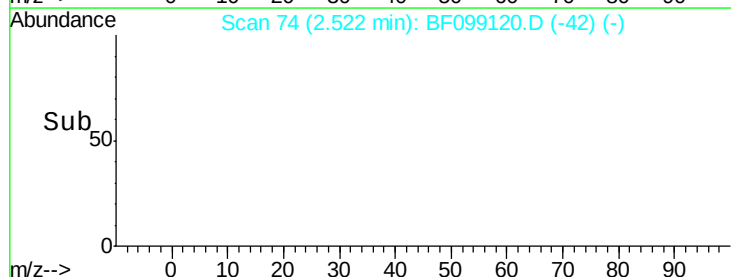
43 0.0 24.6 37.0#

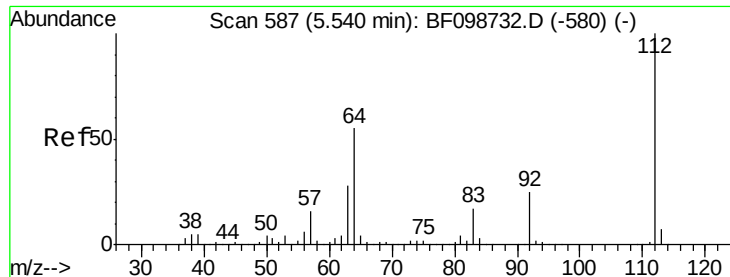


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 16.42 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF099120.D

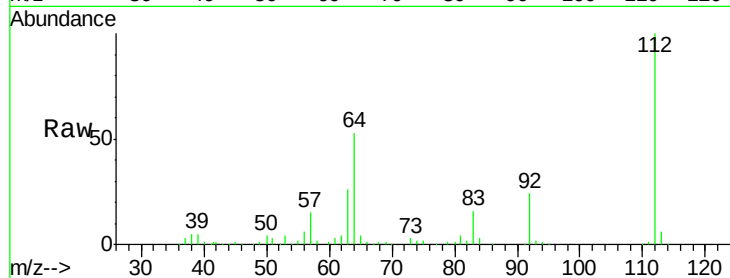
Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampled :

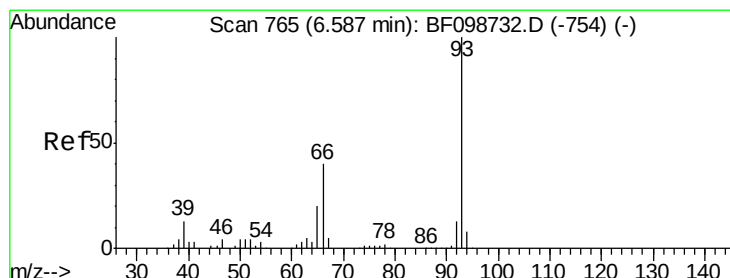
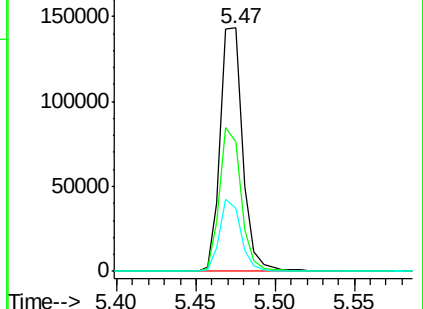
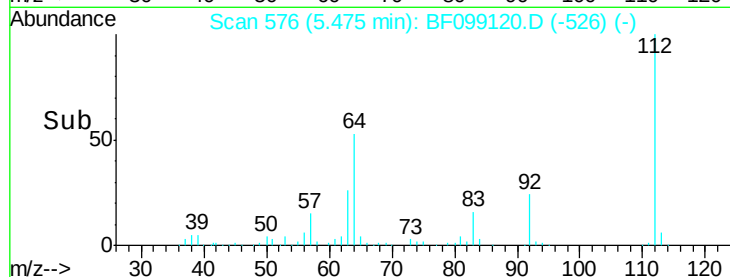
Tot Ion:	112	Resp:	141386
Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	25.8	23.7	35.5



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



#6

Aniline

Concen: 0.01 ng

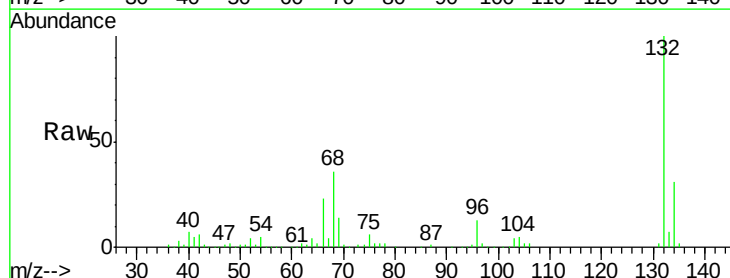
RT: 6.63 min Scan# 772

Delta R.T. 0.09 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

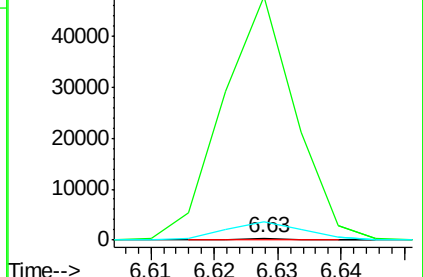
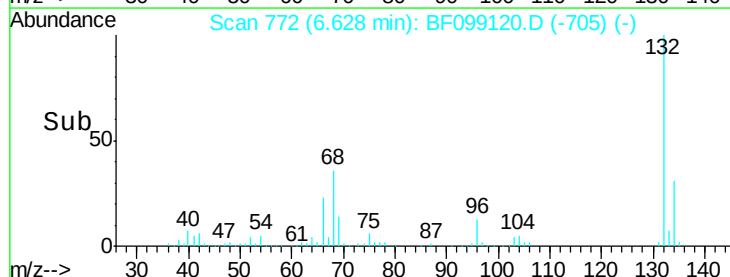
Tgt Ion:	93	Resp:	119
Ion	Ratio	Lower	Upper
93	100		
66	14219.0	32.2	48.2#
65	1043.5	16.4	24.6#

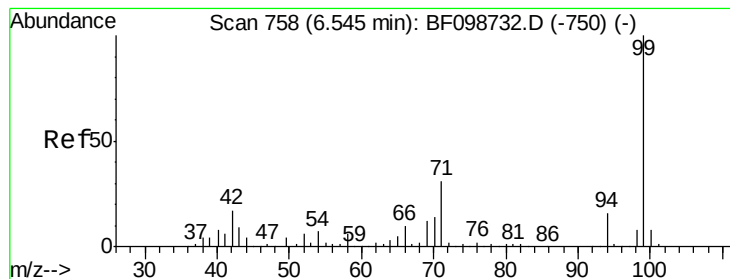


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 17.27 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampled :

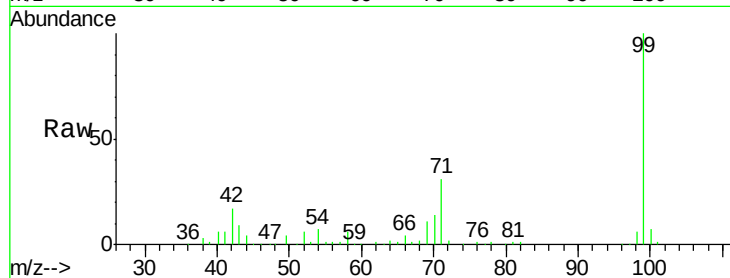
Tot Ion: 99 Resp: 183492

Ion Ratio Lower Upper

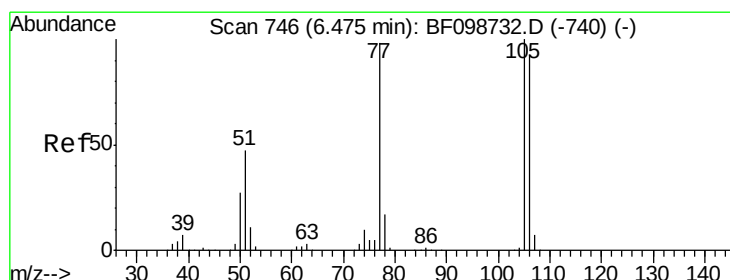
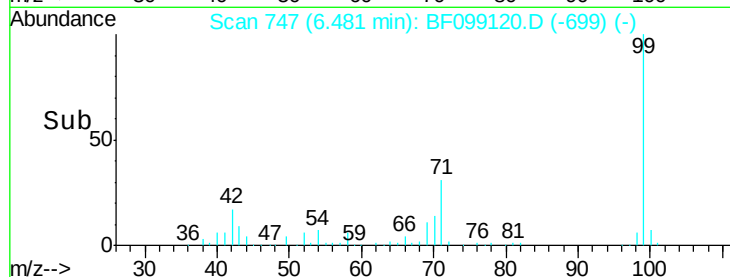
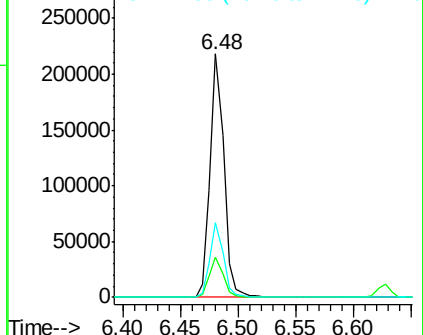
99 100

42 16.6 14.5 21.7

71 30.7 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: 0.51 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.21 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

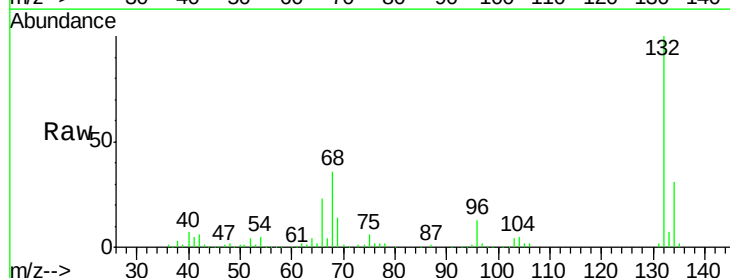
Tgt Ion: 77 Resp: 3116

Ion Ratio Lower Upper

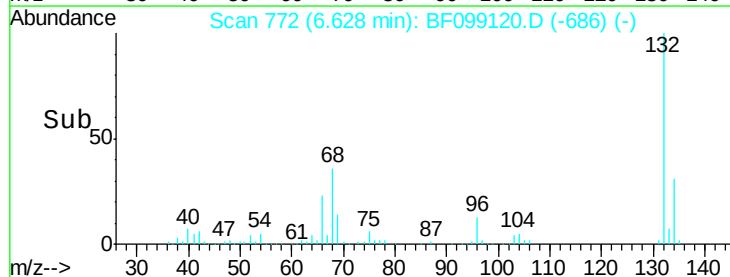
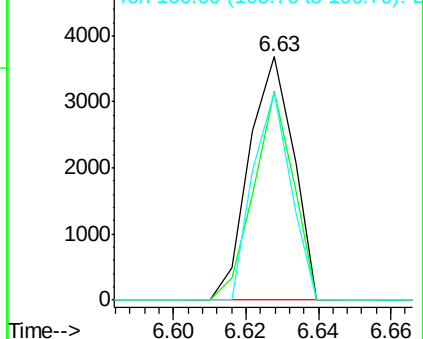
77 100

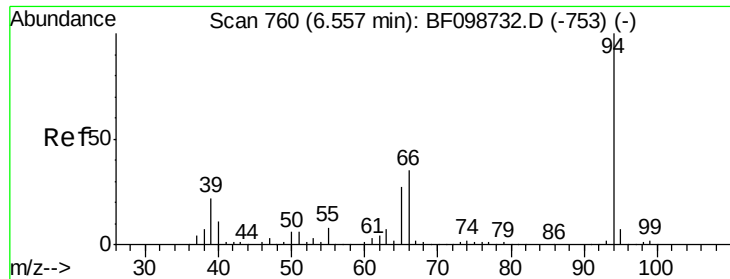
105 86.1 81.1 121.1

106 85.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.31 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

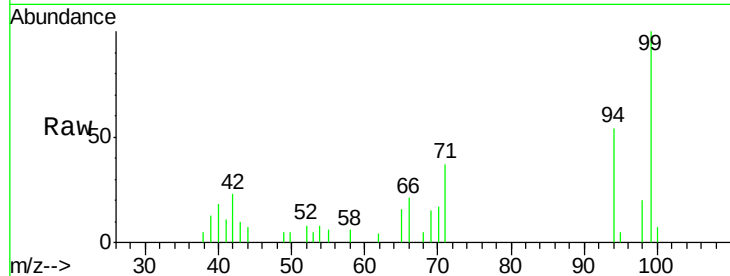
Tot Ion: 94 Resp: 3702

Ion Ratio Lower Upper

94 100

65 30.0 7.9 47.9

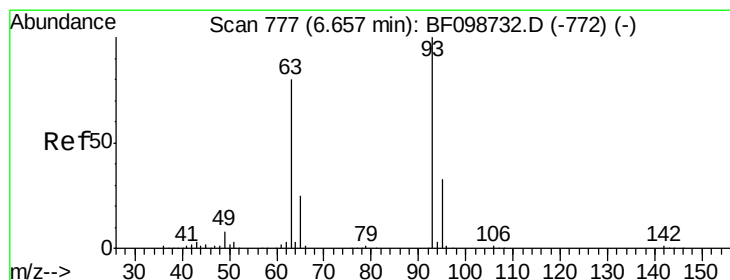
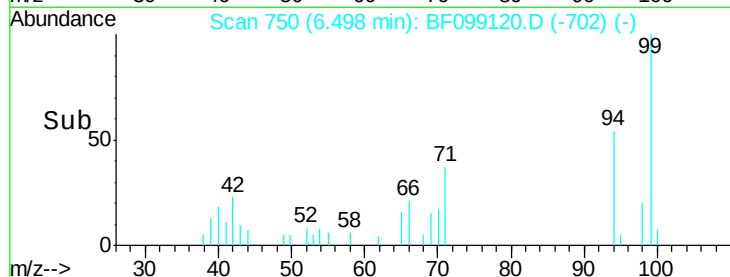
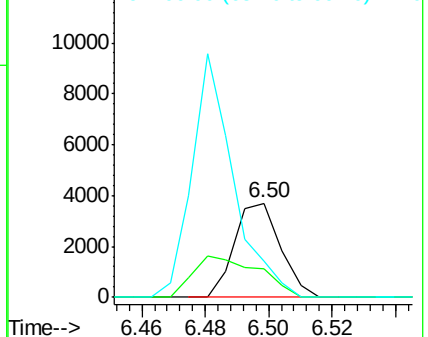
66 39.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 0.01 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.02 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

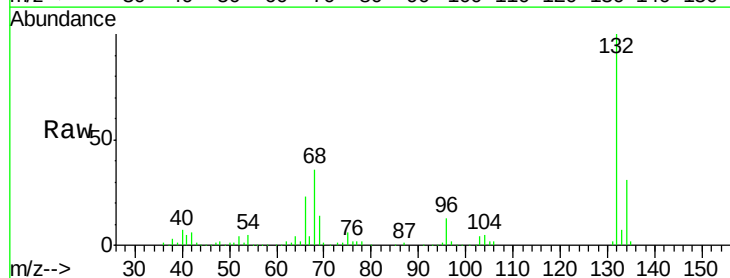
Tgt Ion: 93 Resp: 119

Ion Ratio Lower Upper

93 100

63 483.3 58.6 98.6#

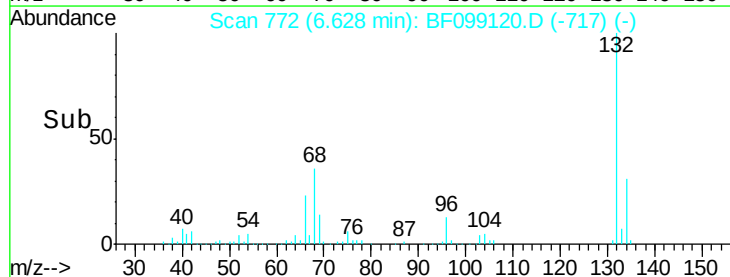
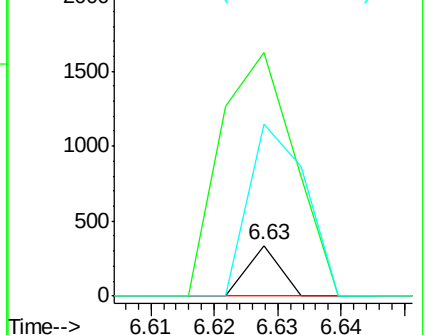
95 341.4 11.8 51.8#

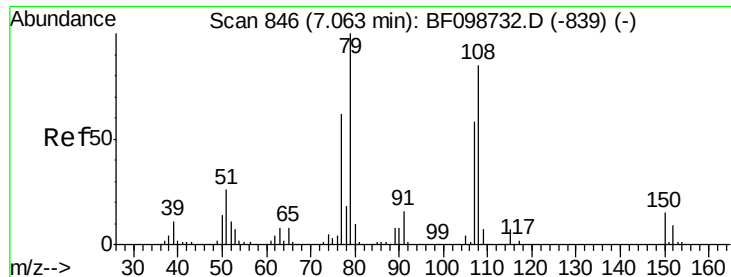


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

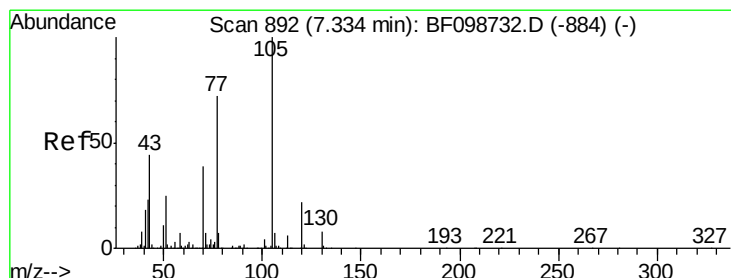
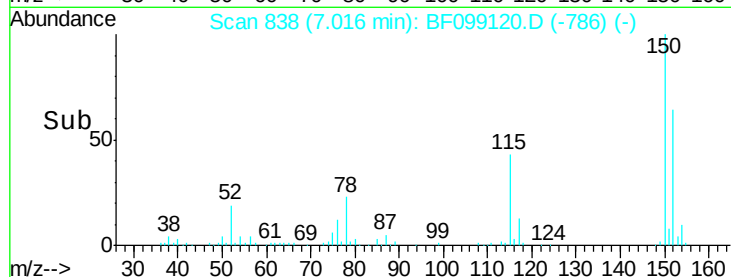
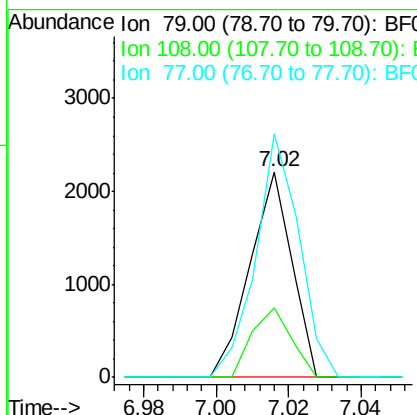
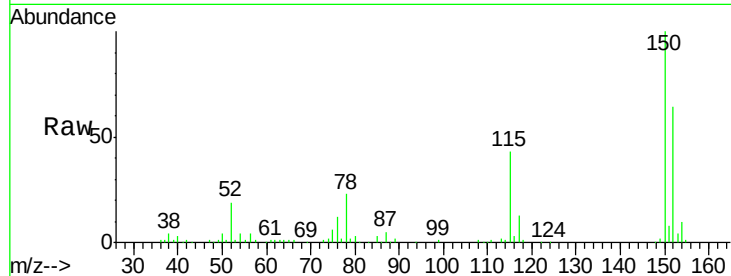




#15
Benzyl Alcohol
Concen: 0.23 ng
RT: 7.02 min Scan# 838
Delta R.T. 0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

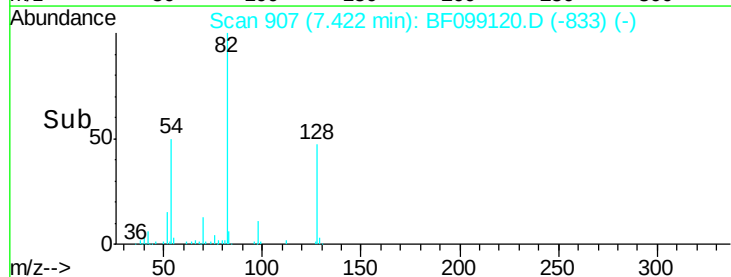
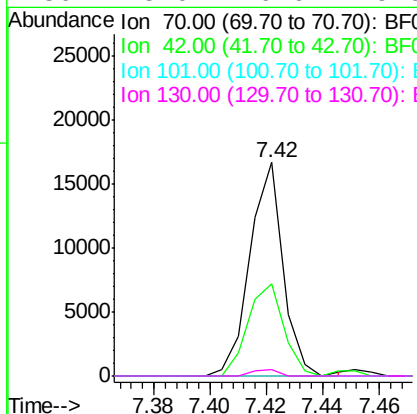
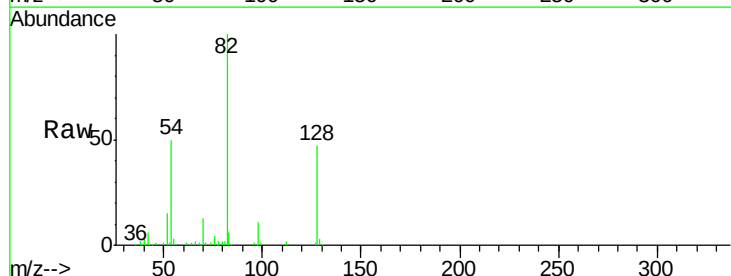
Instrument :
BNA_F
ClientSampleId :

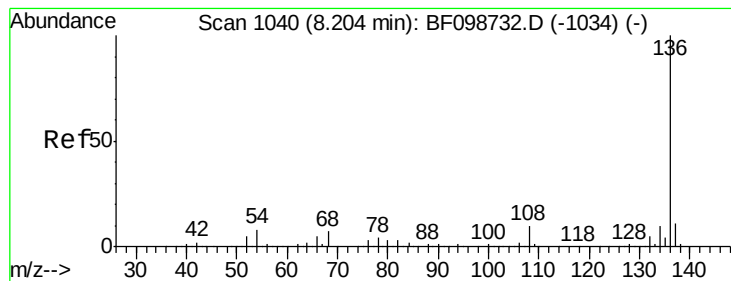
Tot Ion: 79 Resp: 1767
Ion Ratio Lower Upper
79 100
108 34.1 65.1 97.7#
77 118.4 50.6 75.8#



#19
n-Nitroso-di-n-propylamine
Concen: 2.02 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion: 70 Resp: 13724
Ion Ratio Lower Upper
70 100
42 43.0 47.5 71.3#
101 0.0 7.4 11.2#
130 3.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 563140

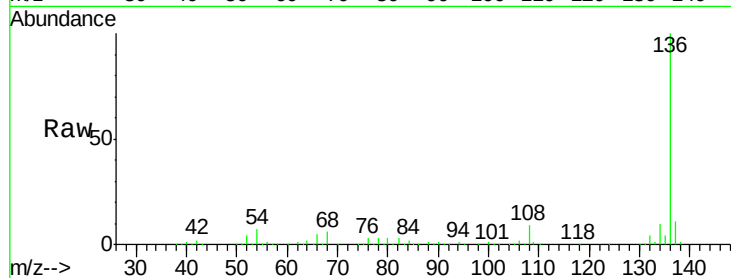
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.4 6.6 9.8

68 6.1 5.0 7.4

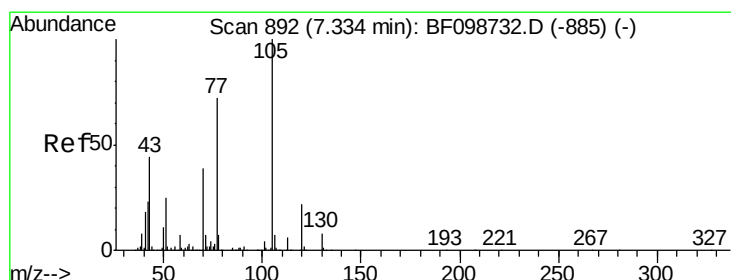
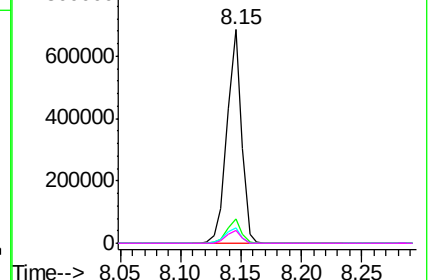
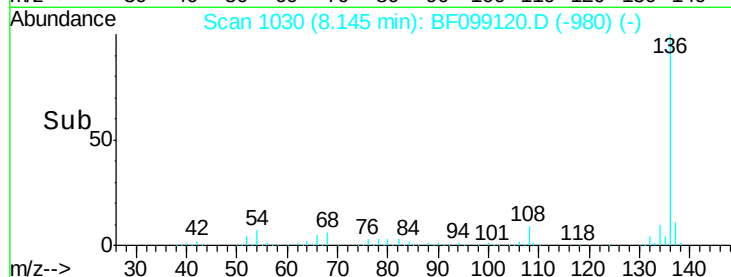


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 0.11 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Tgt Ion:105 Resp: 1559

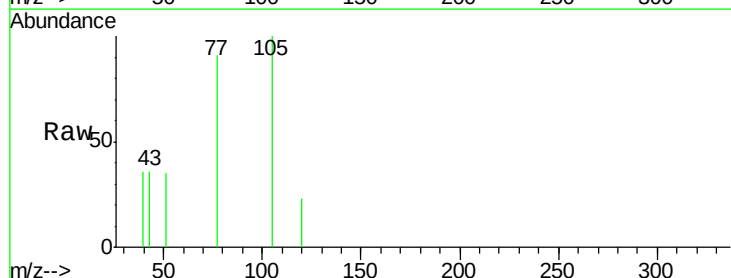
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 34.5 22.3 33.5#

120 23.3 16.9 25.3

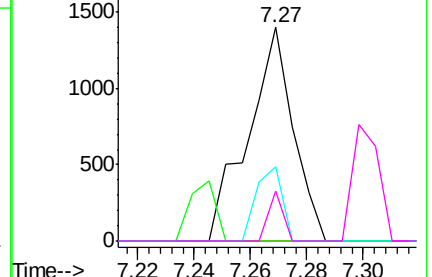
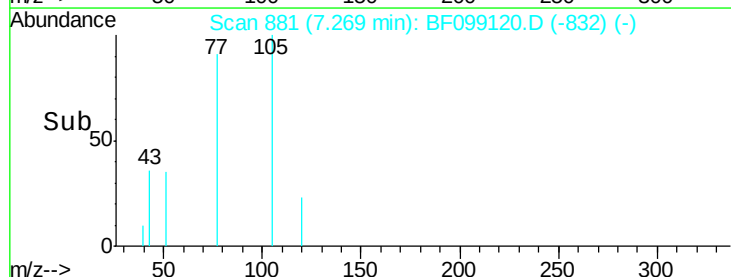


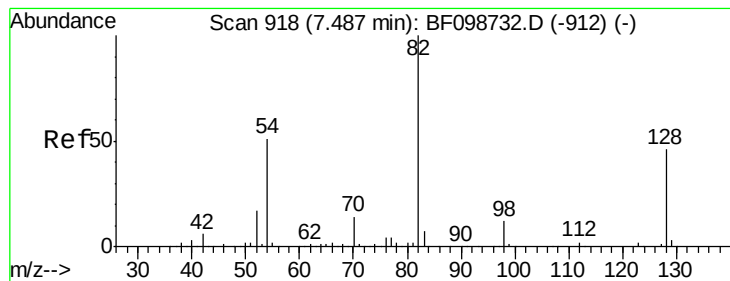
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 11.99 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

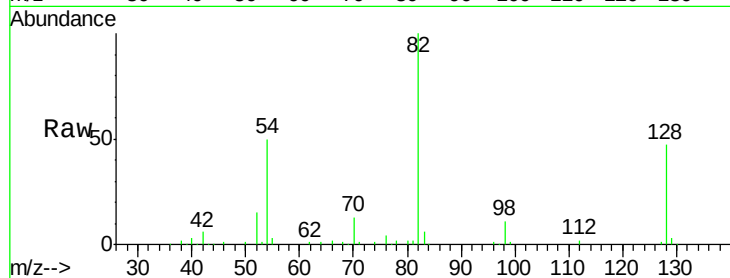
Tot Ion: 82 Resp: 105301

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

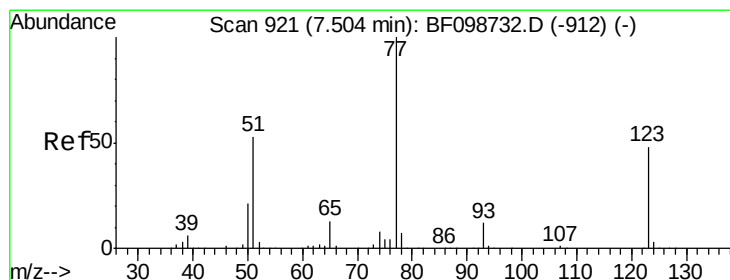
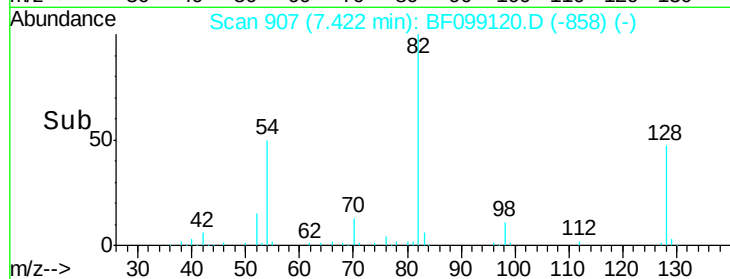
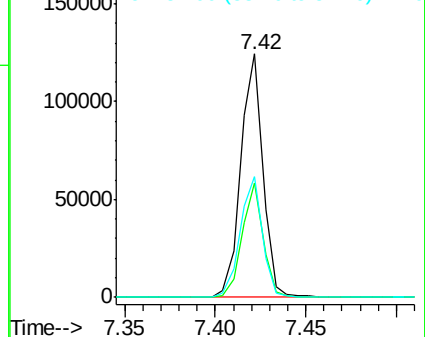
54 49.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 0.04 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

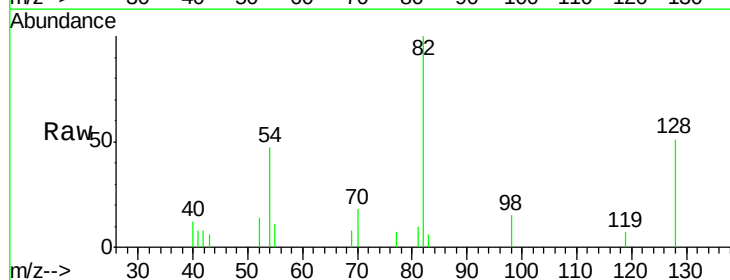
Tgt Ion: 77 Resp: 358

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

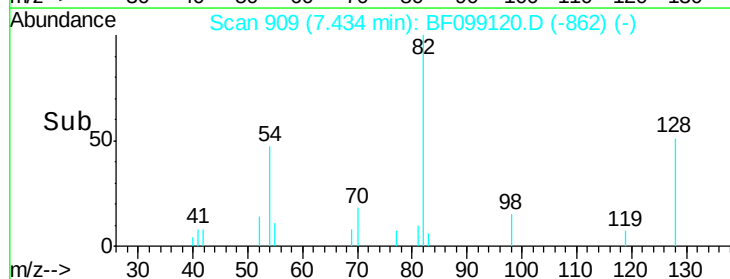
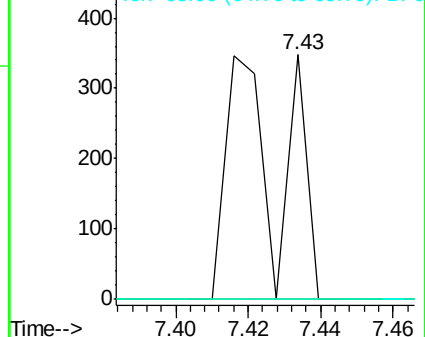
65 0.0 11.0 16.4#

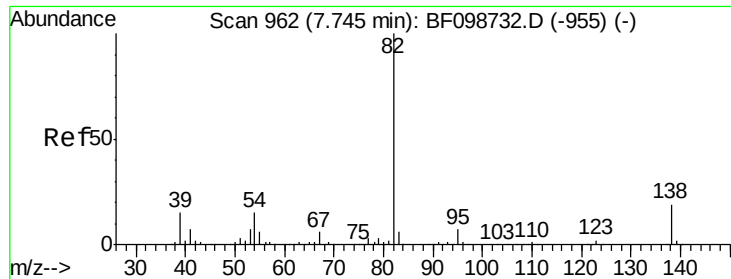


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 5.79 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

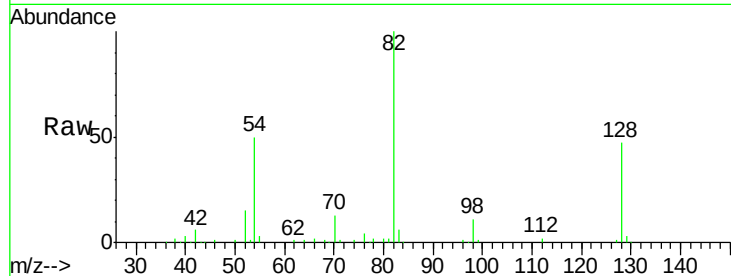
Tot Ion: 82 Resp: 105190

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

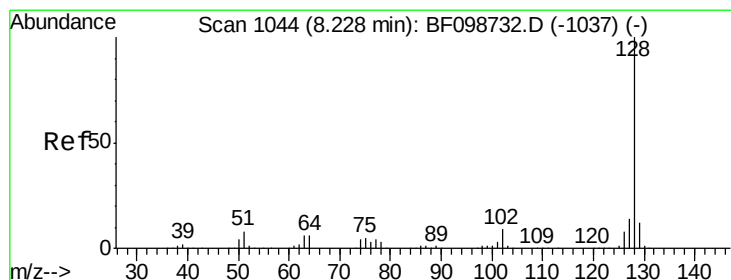
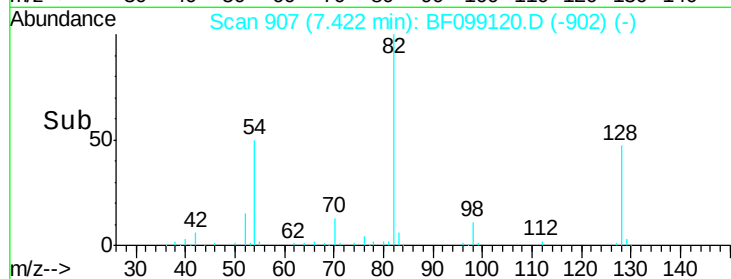
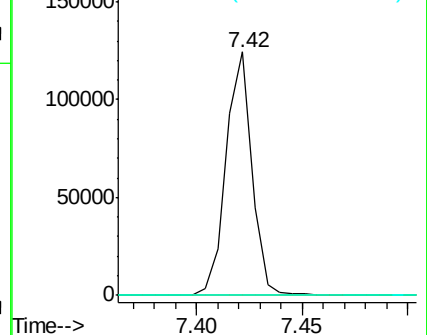
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 0.45 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

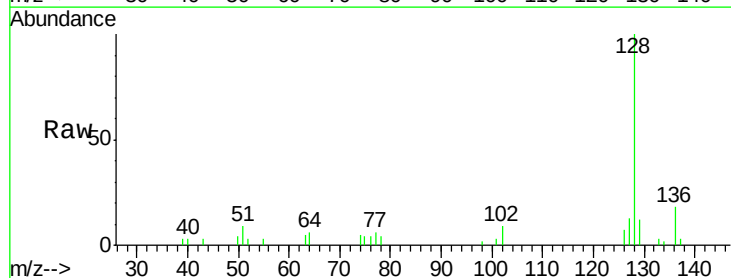
Tgt Ion: 128 Resp: 11973

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

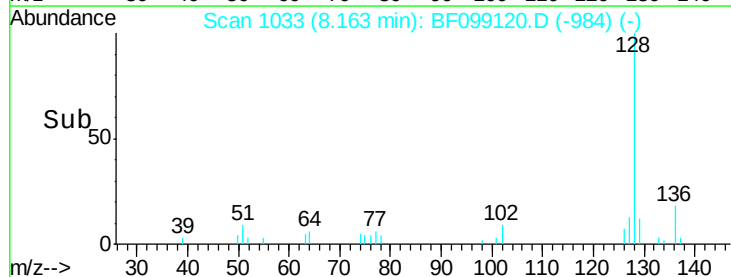
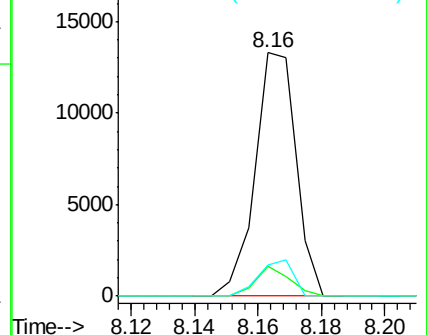
127 12.7 10.9 16.3

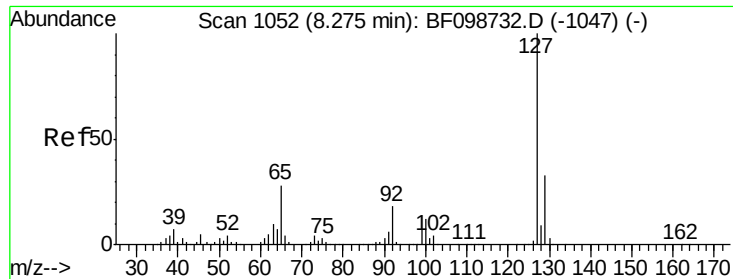


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

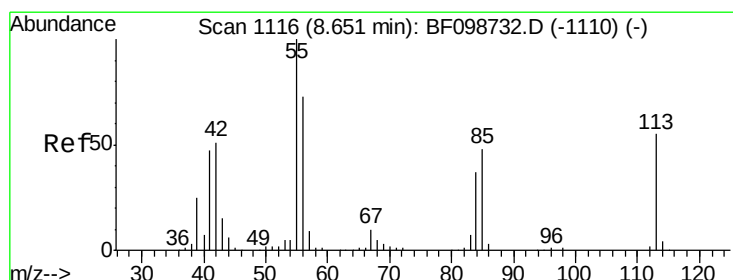
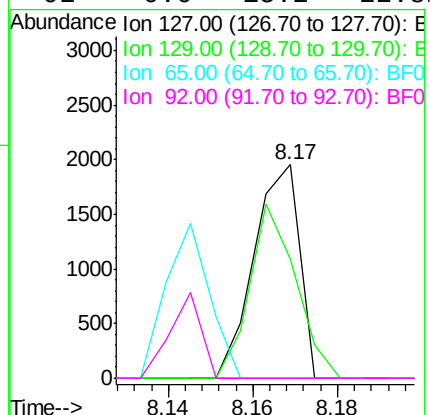
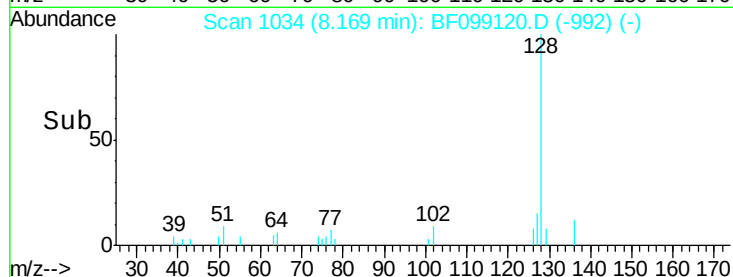
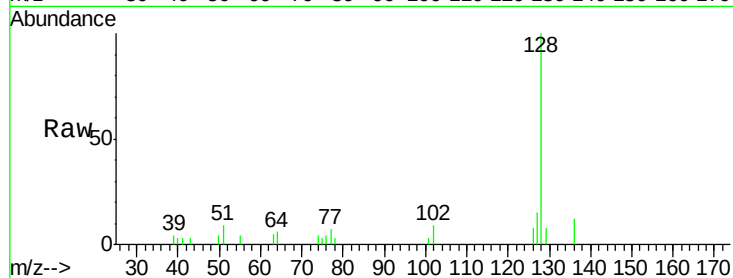




#33
4-Chloroaniline
Concen: 0.13 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

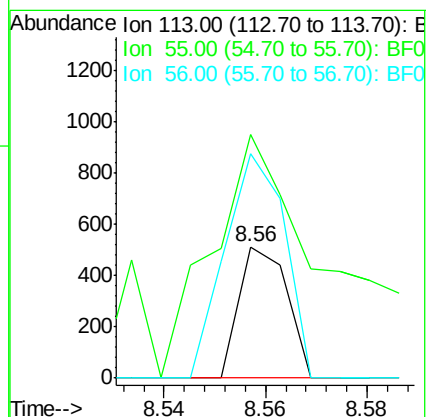
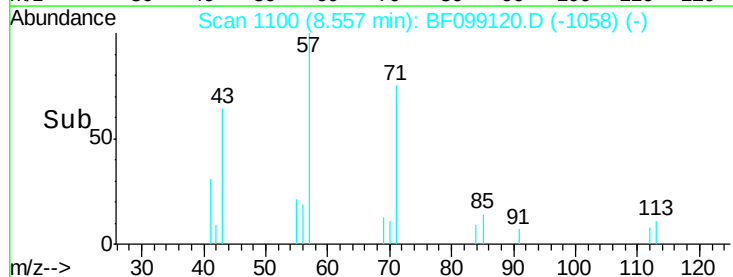
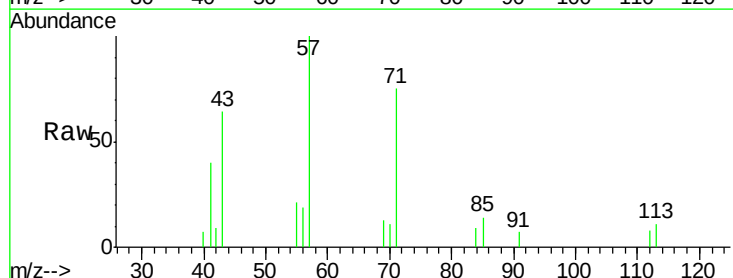
Instrument :
BNA_F
ClientSampleId :

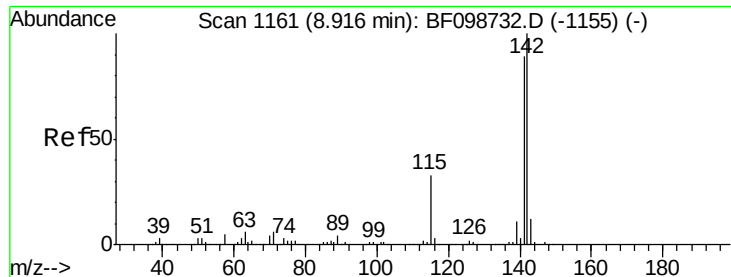
Tot Ion:127 Resp: 1462
Ion Ratio Lower Upper
127 100
129 55.5 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



#35
Caprolactam
Concen: 0.13 ng
RT: 8.56 min Scan# 1100
Delta R.T. -0.05 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:113 Resp: 336
Ion Ratio Lower Upper
113 100
55 185.7 163.3 203.3
56 170.9 115.7 155.7#

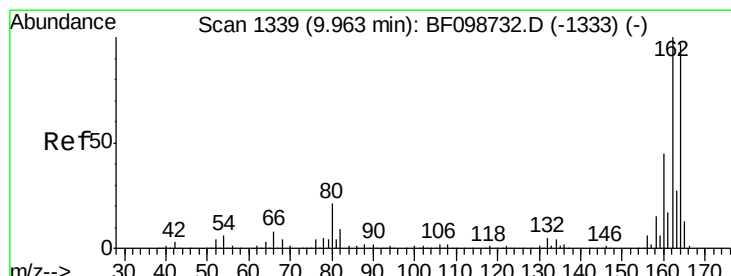
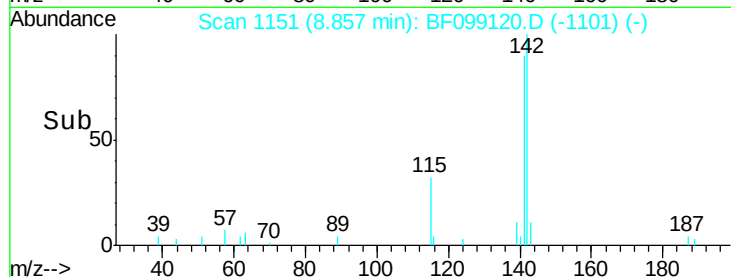
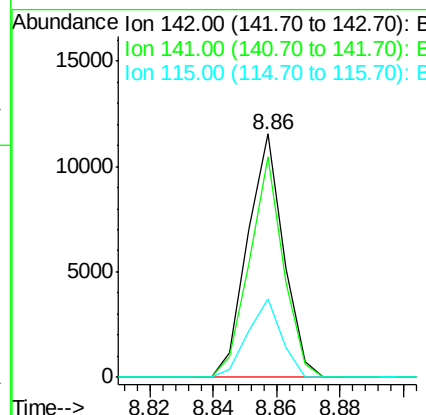
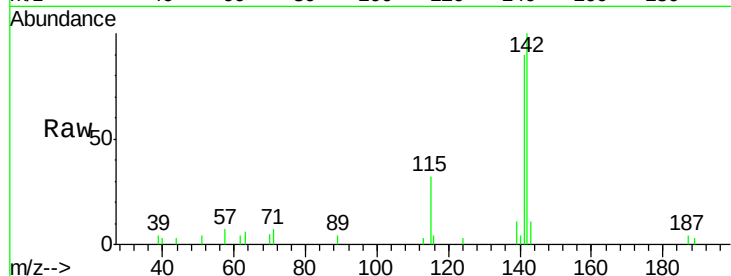




#37
 2-Methylnaphthalene
 Concen: 0.53 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

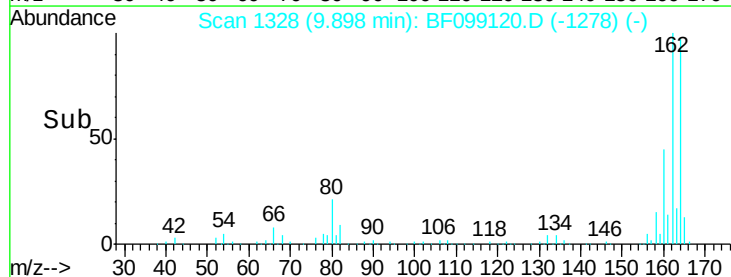
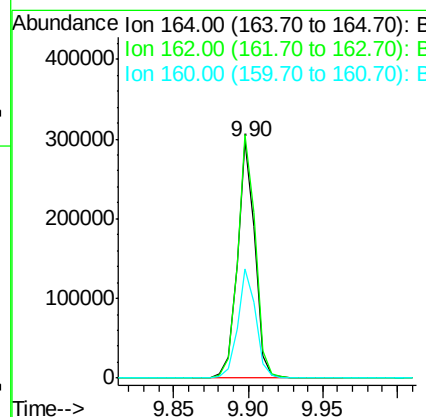
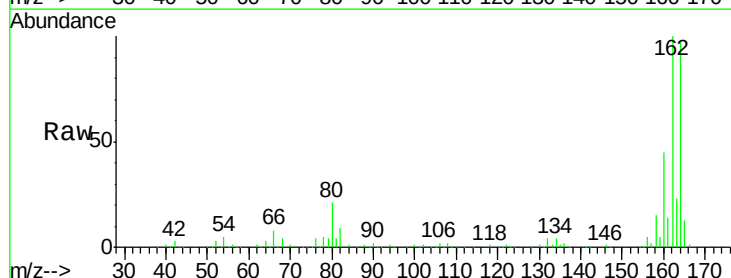
Instrument :
 BNA_F
 ClientSampleId :

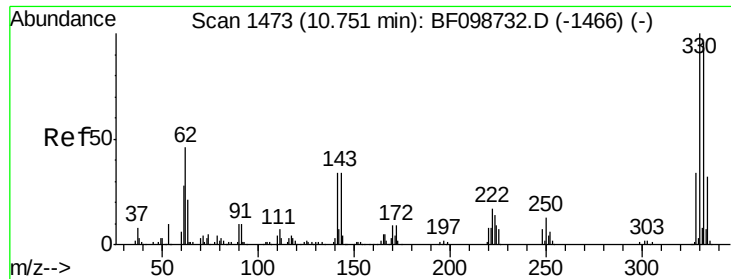
Tot Ion:142 Resp: 9048
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.8 106.2
 115 32.3 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Tgt Ion:164 Resp: 246223
 Ion Ratio Lower Upper
 164 100
 162 102.8 86.1 129.1
 160 46.3 38.3 57.5

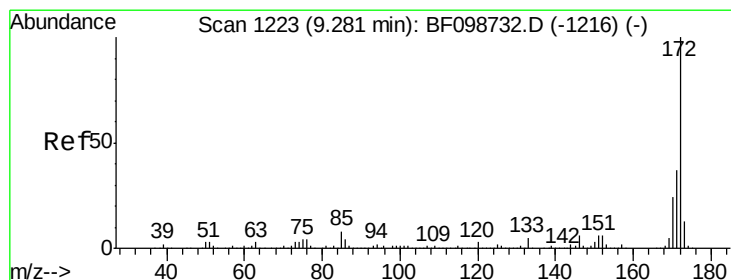
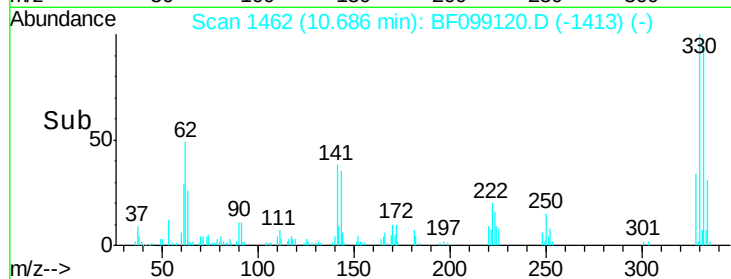
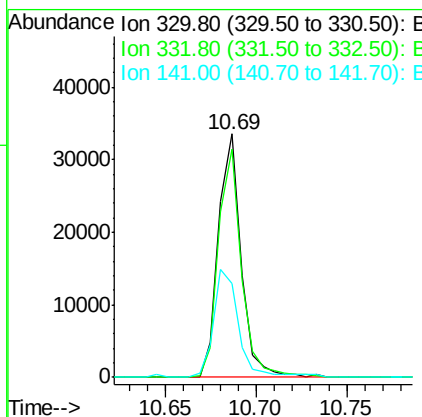
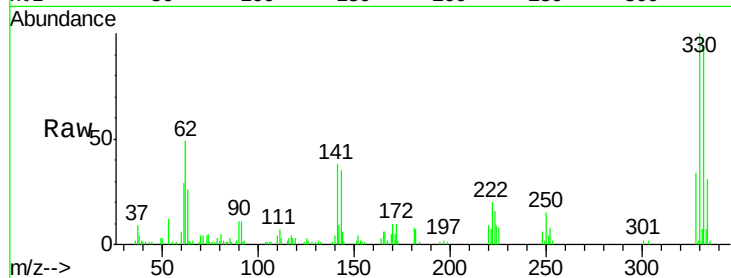




#41
 2,4,6-Tribromophenol
 Concen: 14.55 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

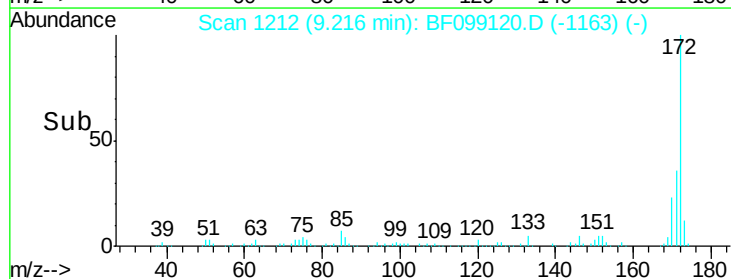
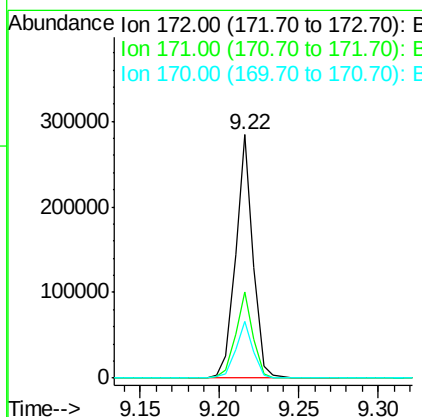
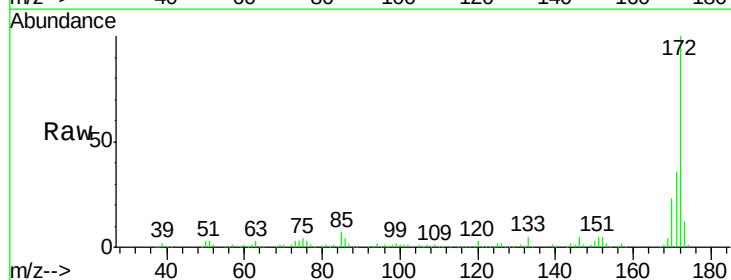
Instrument :
 BNA_F
 ClientSampleId :

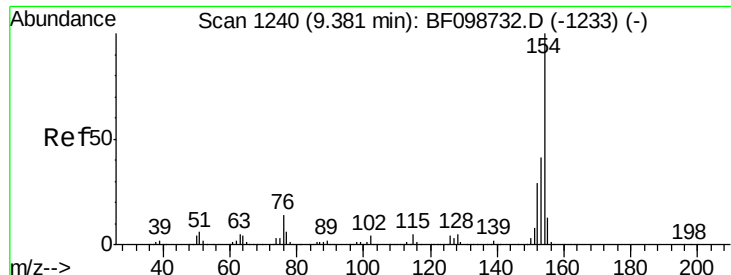
Tot Ion:330 Resp: 29311
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 49.4 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 14.58 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Tgt Ion:172 Resp: 215019
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 23.1 19.6 29.4

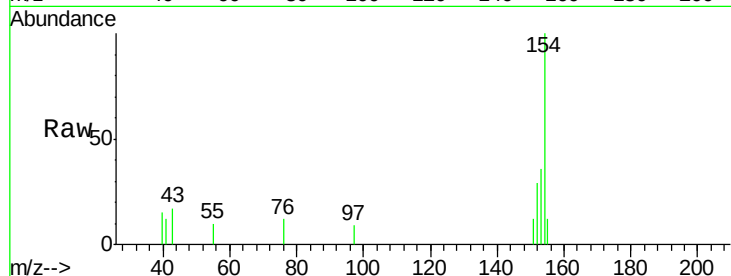




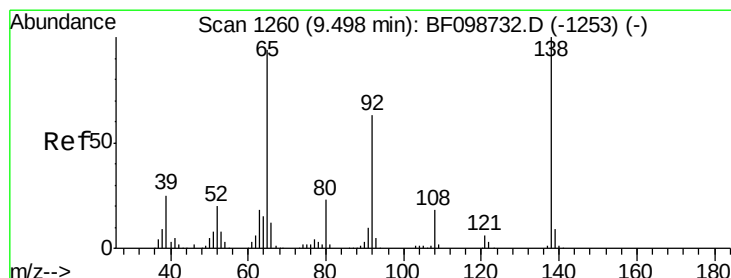
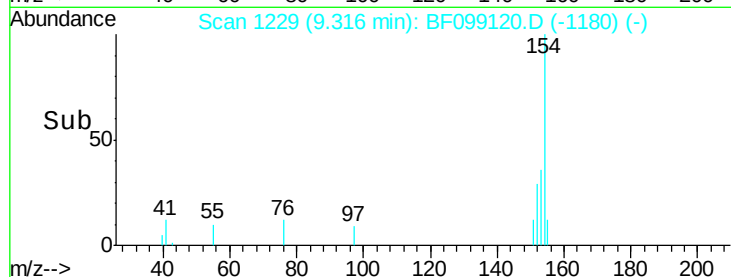
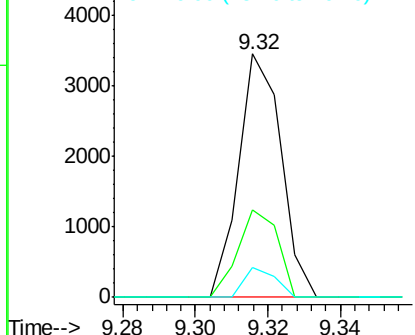
#45
 1,1'-Biphenyl
 Concen: 0.13 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	154	Resp:	2828
Ion	Ratio	Lower	Upper
154	100		
153	36.1	21.3	61.3
76	12.3	0.0	34.0

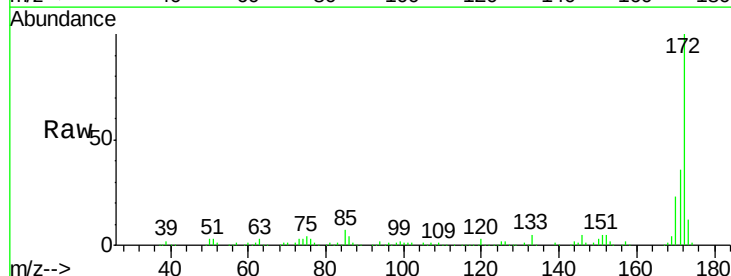


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): E

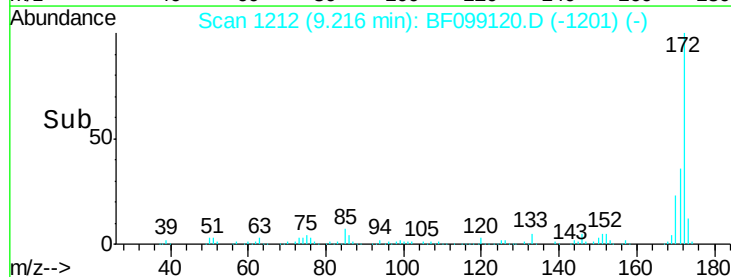
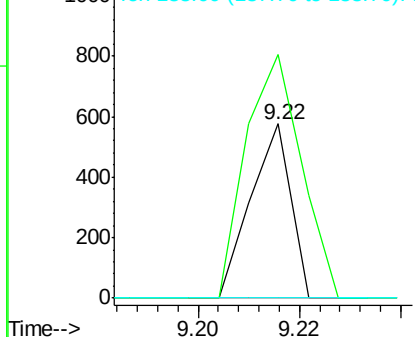


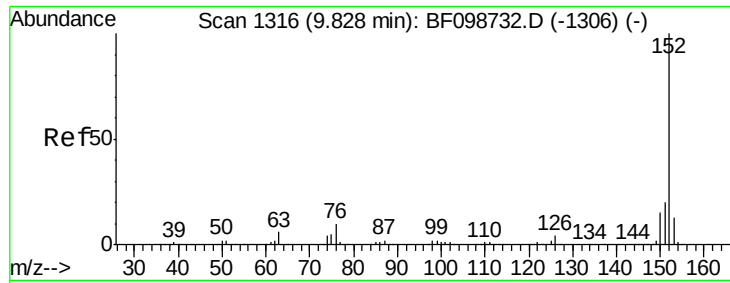
#47
 2-Nitroaniline
 Concen: 0.06 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.24 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Tgt Ion:	65	Resp:	314
Ion	Ratio	Lower	Upper
65	100		
92	139.8	55.8	83.6#
138	0.0	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.40 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

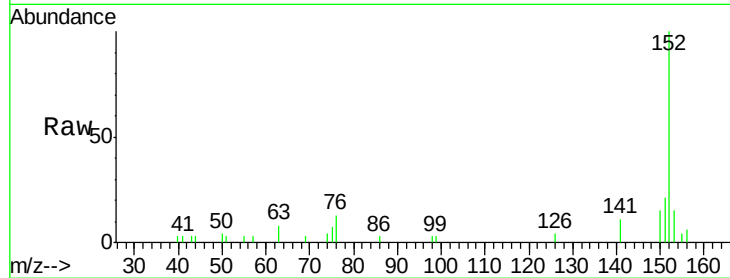
Tot Ion:152 Resp: 9697

Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

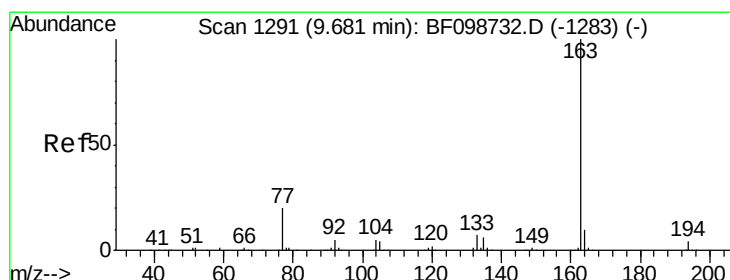
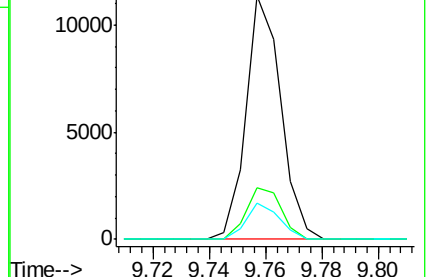
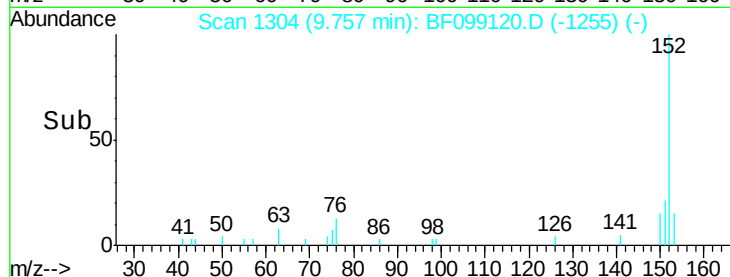
153 14.8 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 1.33 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

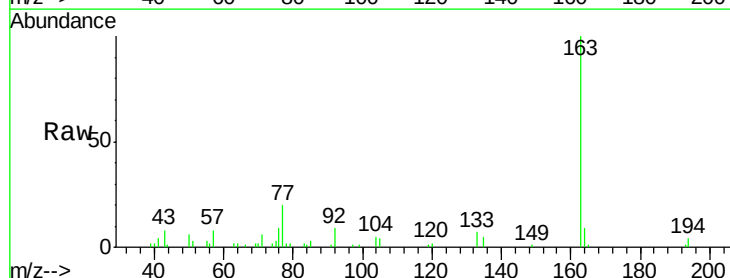
Tgt Ion:163 Resp: 24680

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

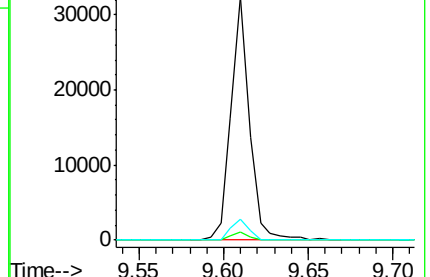
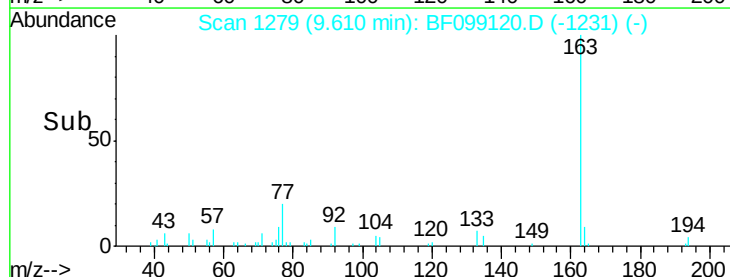
164 8.8 8.2 12.2

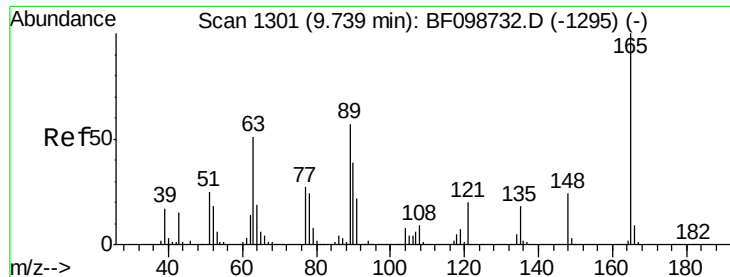


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

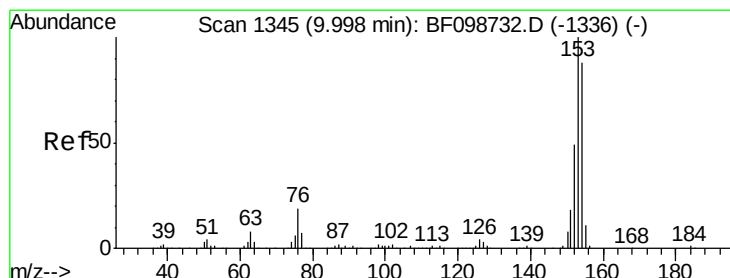
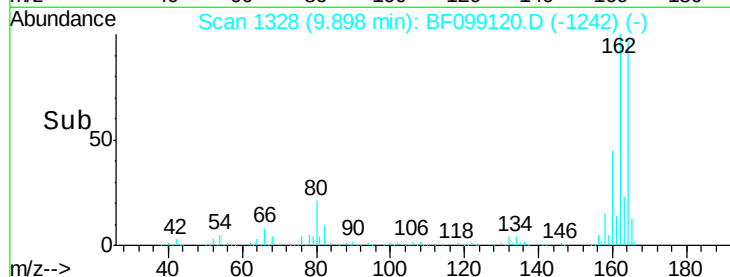
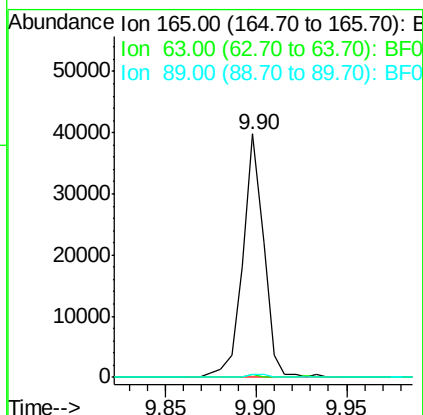
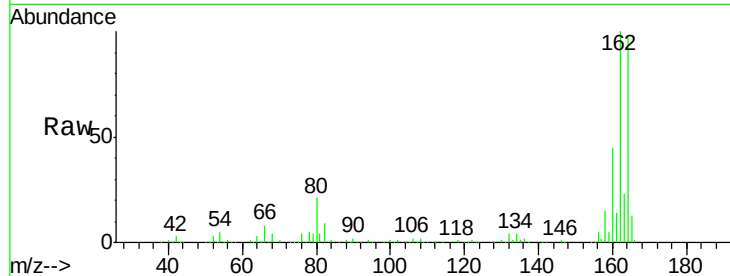




#50
2,6-Dinitrotoluene
Concen: 7.91 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.21 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

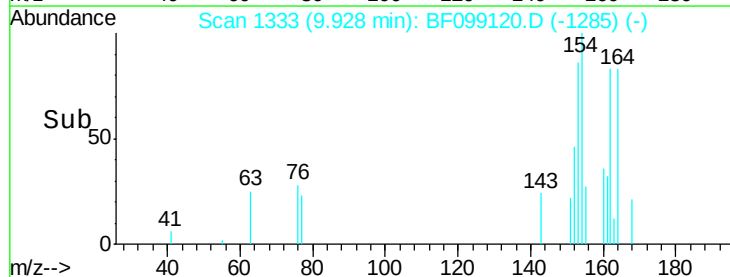
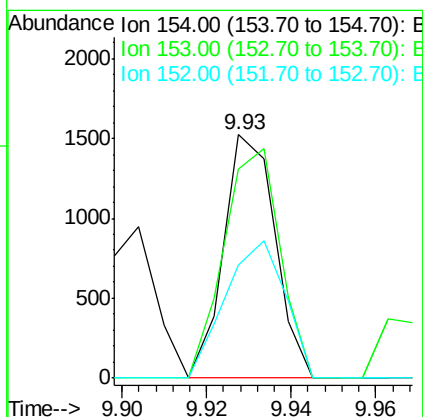
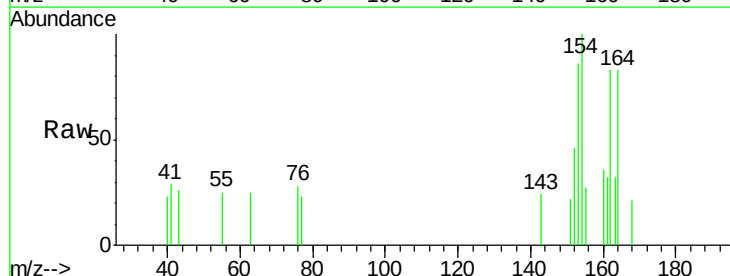
Instrument :
BNA_F
ClientSampleId :

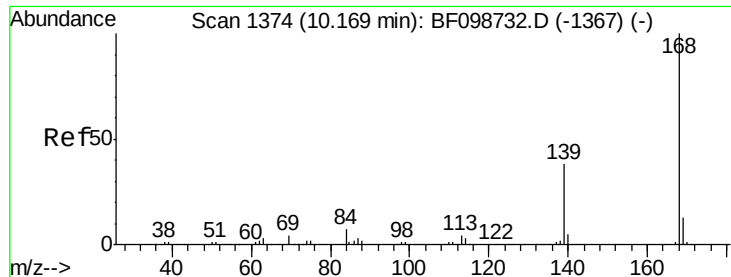
Tot Ion:165 Resp: 32018
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.1 44.0 66.0#



#51
Acenaphthene
Concen: 0.08 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:154 Resp: 1283
Ion Ratio Lower Upper
154 100
153 85.6 91.2 136.8#
152 46.3 43.8 65.8

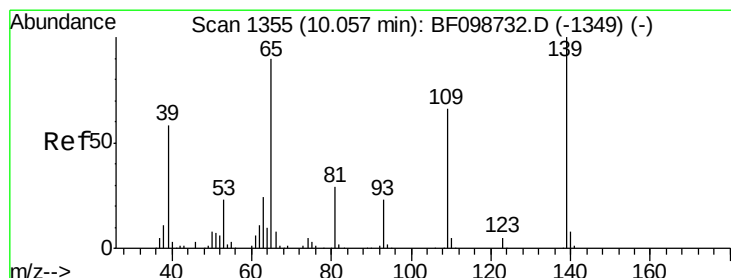
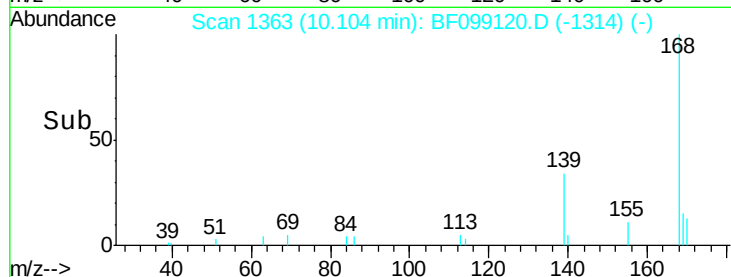
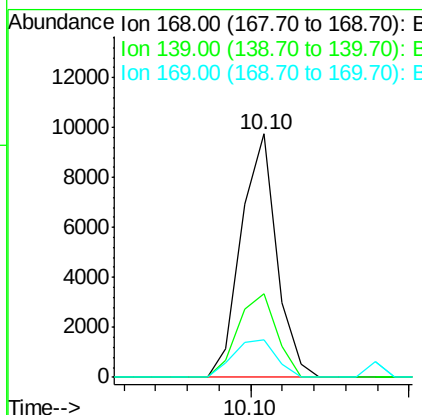
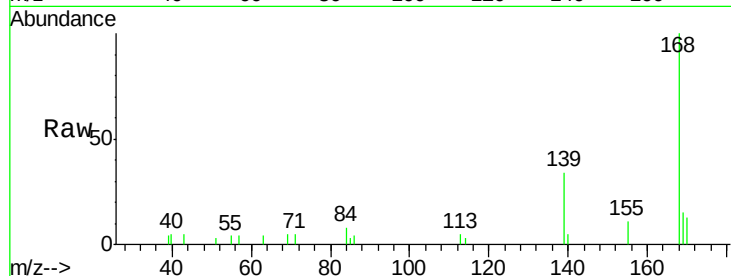




#54
Dibenzofuran
Concen: 0.37 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

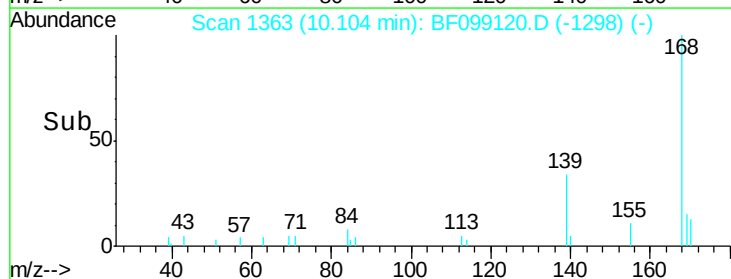
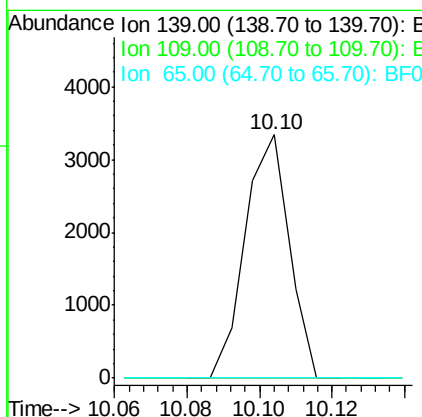
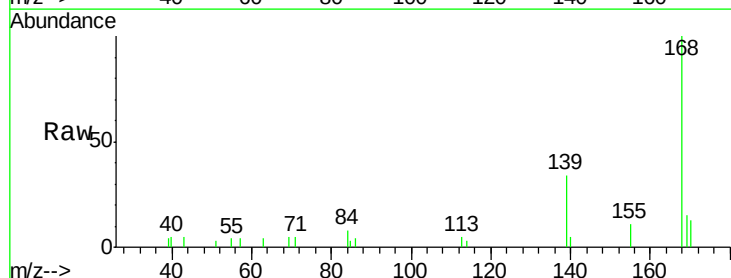
Instrument :
BNA_F
ClientSampleId :

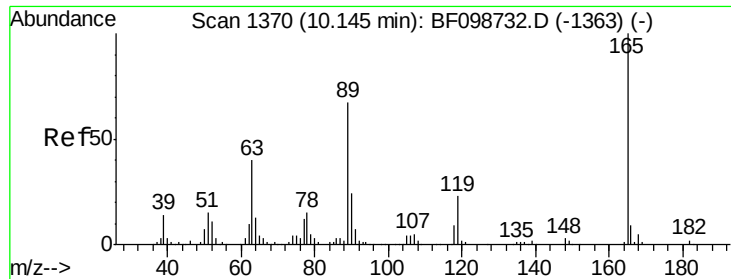
Tot Ion:168 Resp: 7538
Ion Ratio Lower Upper
168 100
139 34.3 30.1 45.1
169 15.3 10.9 16.3



#55
4-Nitrophenol
Concen: 0.71 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:139 Resp: 2814
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#





#56

2,4-Dinitrotoluene

Concen: 6.10 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 32018

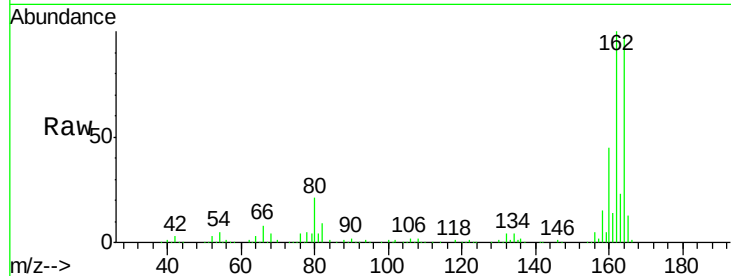
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

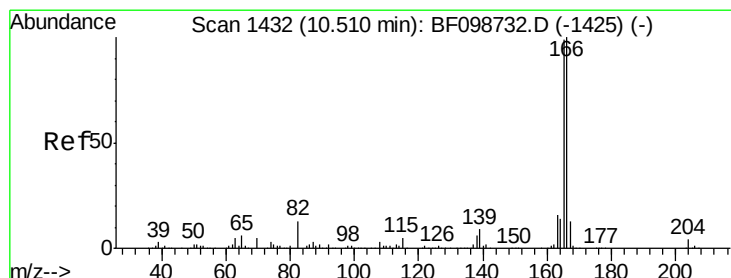
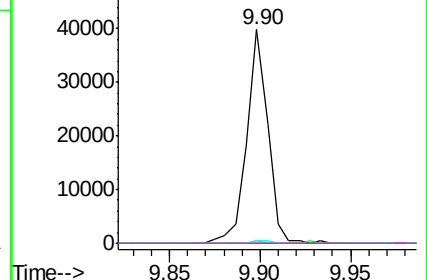
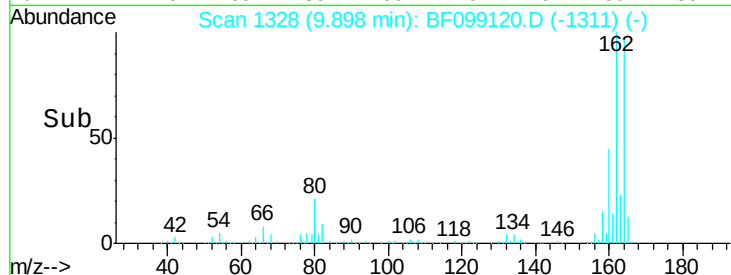


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 0.08 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

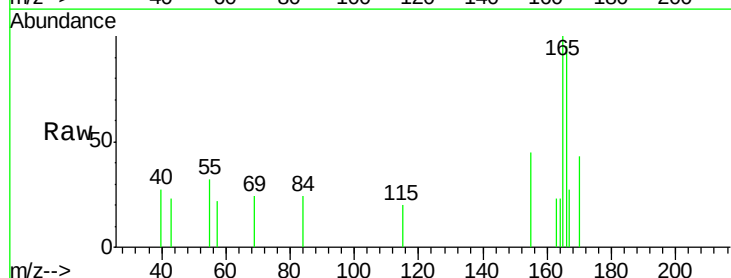
Tgt Ion:166 Resp: 1294

Ion Ratio Lower Upper

166 100

165 104.9 79.8 119.8

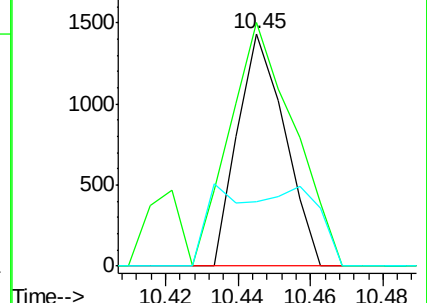
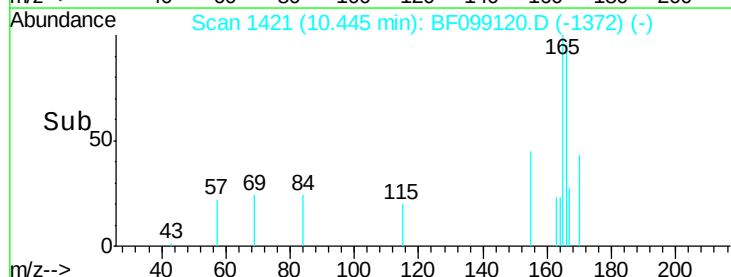
167 27.9 10.6 16.0#

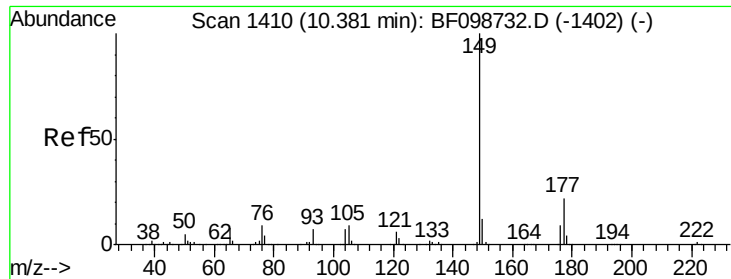


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

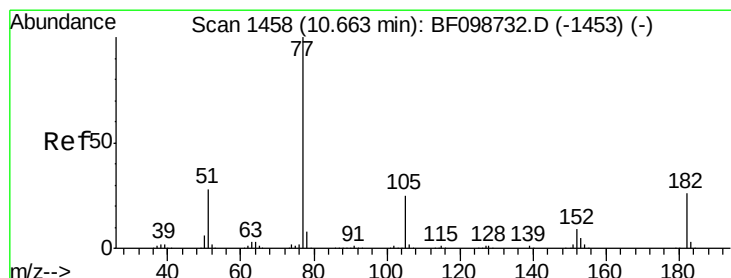
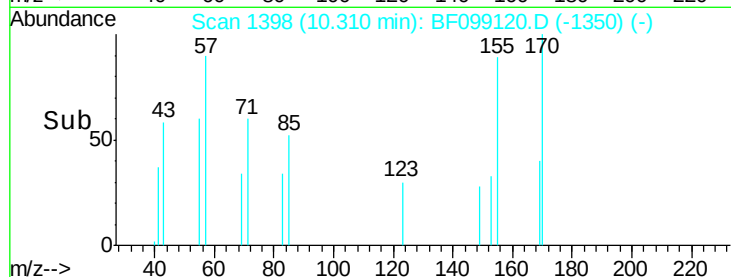
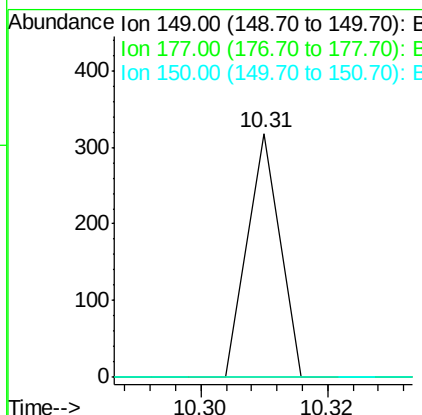
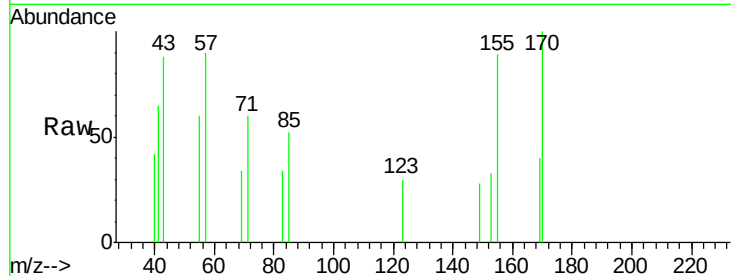




#59
Diethylphthalate
Concen: 0.01 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.02 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

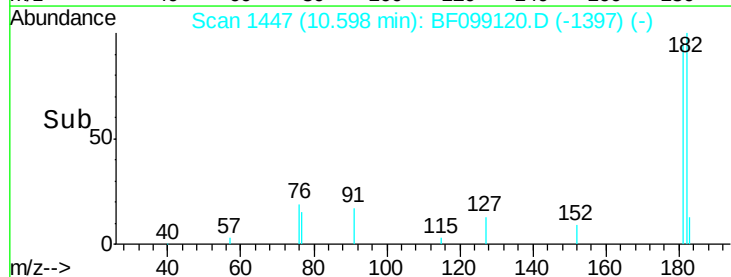
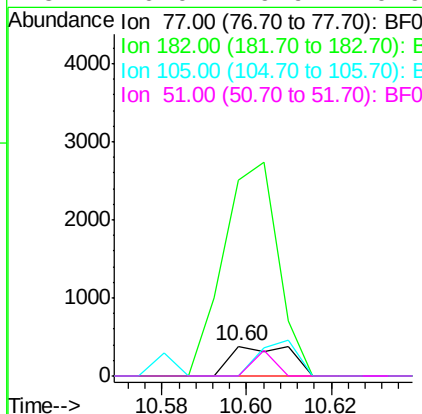
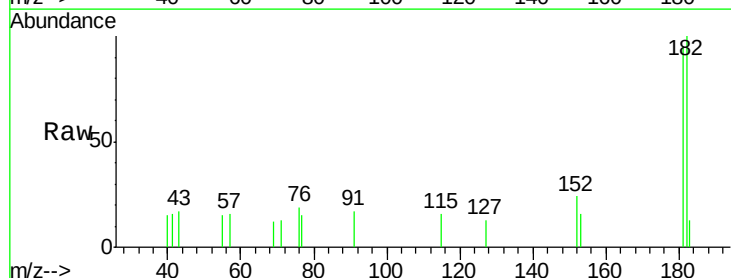
Instrument :
BNA_F
ClientSampleId :

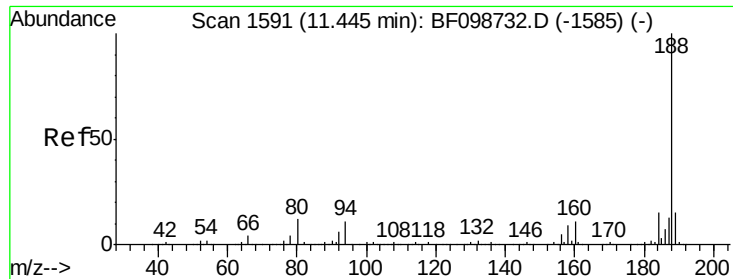
Tot Ion:149 Resp: 112
Ion Ratio Lower Upper
149 100
177 0.0 16.1 24.1#
150 0.0 10.1 15.1#



#62
Azobenzene
Concen: 0.02 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion: 77 Resp: 379
Ion Ratio Lower Upper
77 100
182 656.9 1.7 41.7#
105 0.0 3.0 43.0#
51 0.0 9.9 49.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

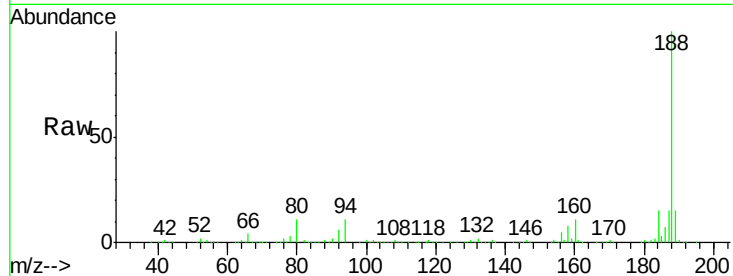
Tot Ion:188 Resp: 392712

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

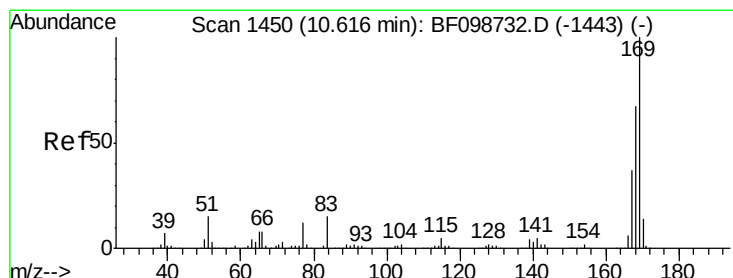
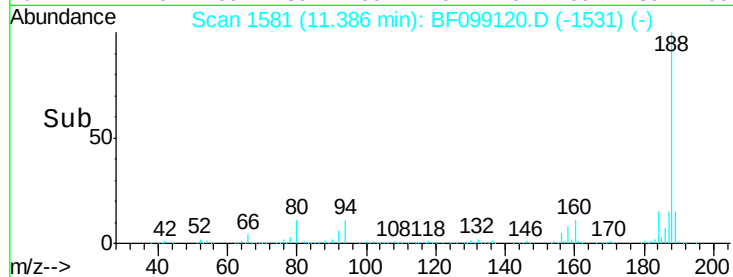
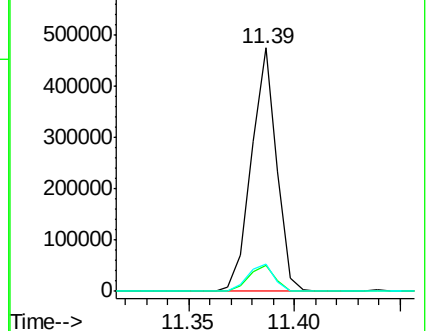
80 11.2 9.2 13.8



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



#65

n-Nitrosodiphenylamine

Concen: 0.05 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.02 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

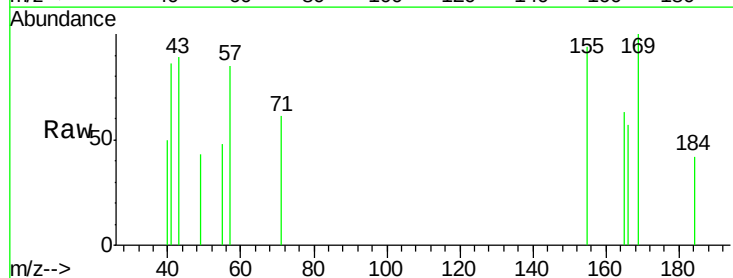
Tgt Ion:169 Resp: 718

Ion Ratio Lower Upper

169 100

168 0.0 54.4 81.6#

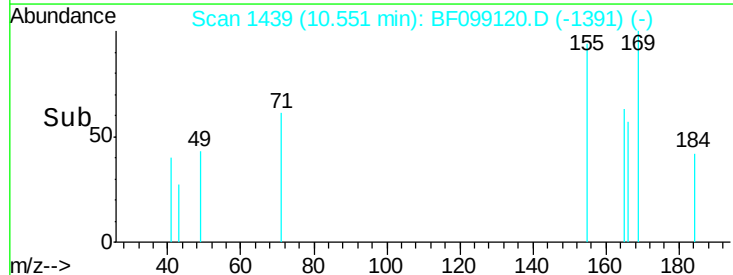
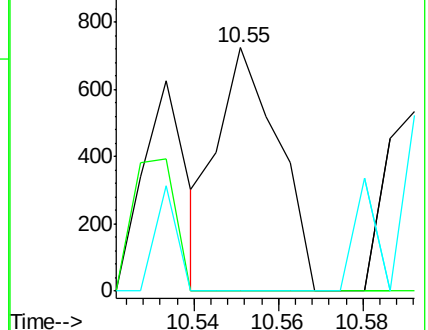
167 0.0 29.8 44.6#

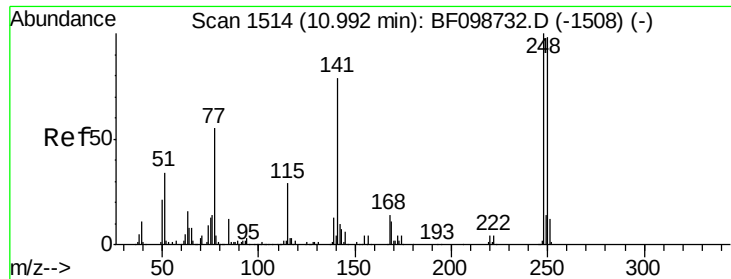


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

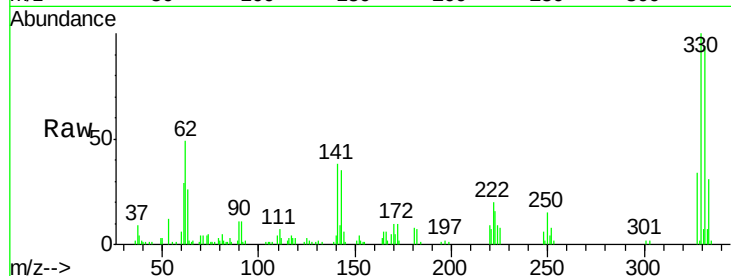




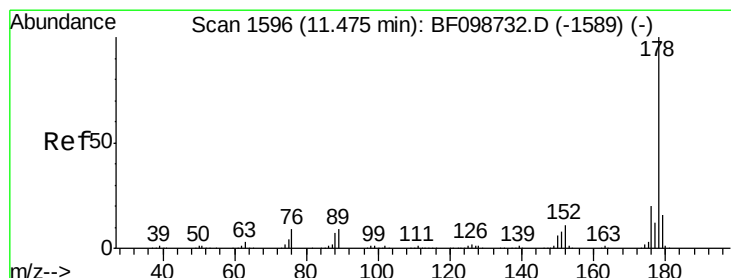
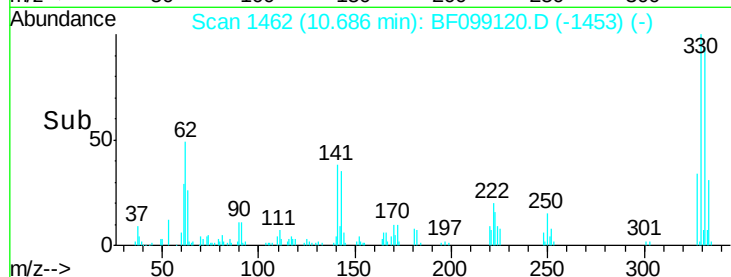
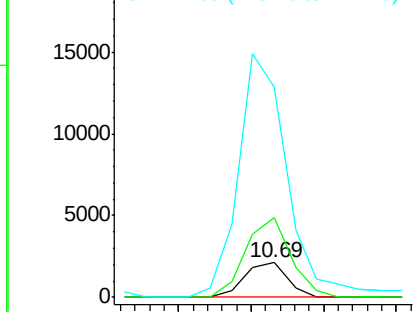
#66
4-Bromophenyl-phenylether
Concen: 0.45 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 1737
Ion Ratio Lower Upper
248 100
250 231.9 76.9 115.3#
141 610.3 74.4 111.6#

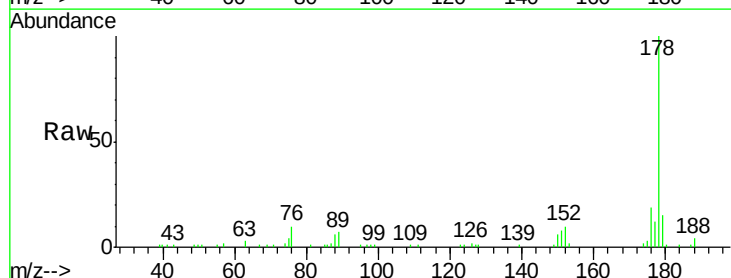


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

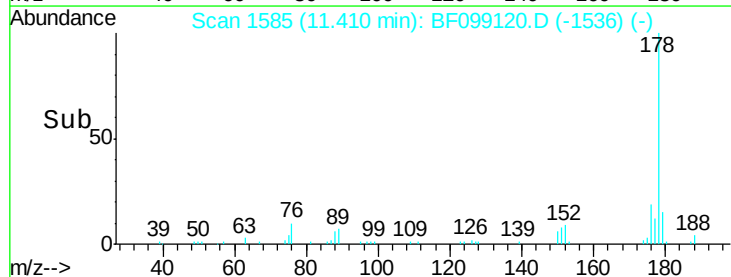
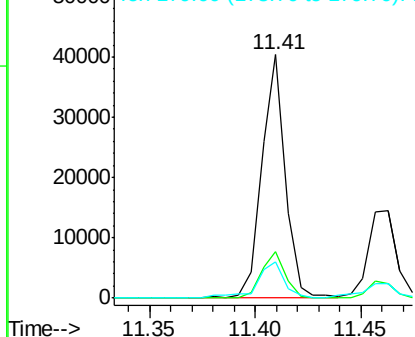


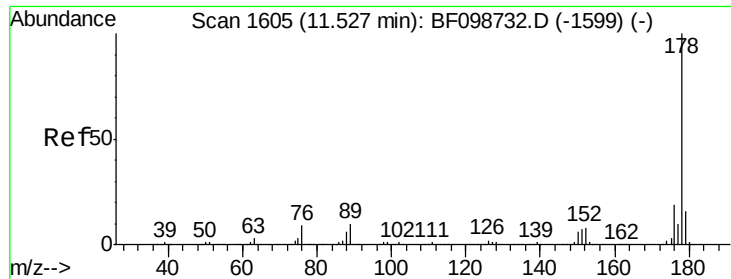
#70
Phenanthrene
Concen: 1.48 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:178 Resp: 31208
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.1 13.0 19.6



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

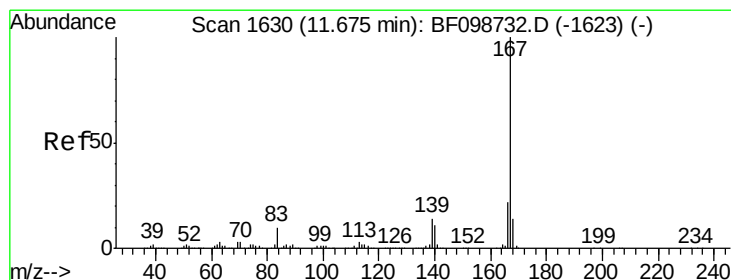
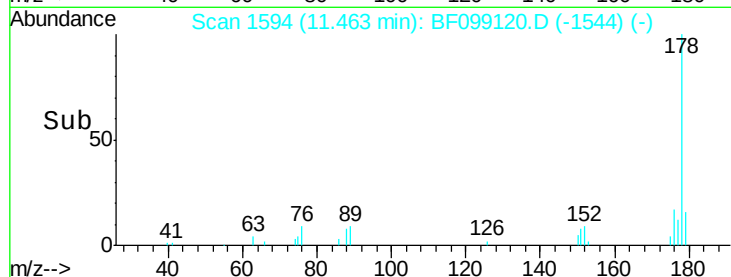
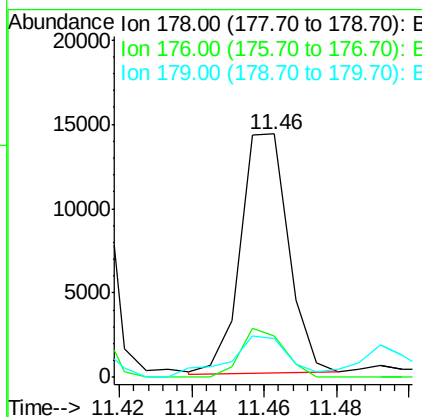
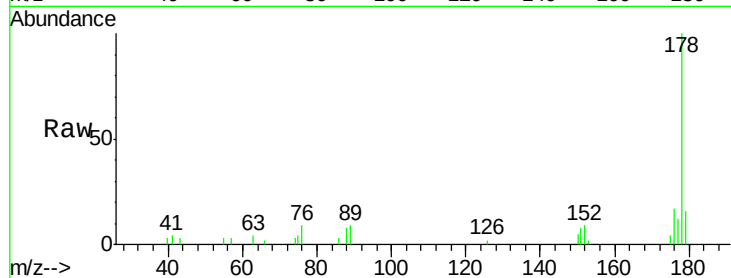




#71
 Anthracene
 Concen: 0.60 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

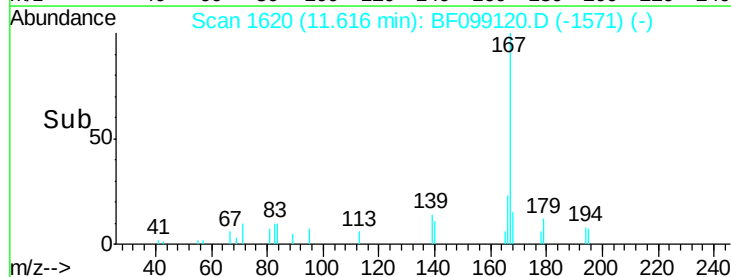
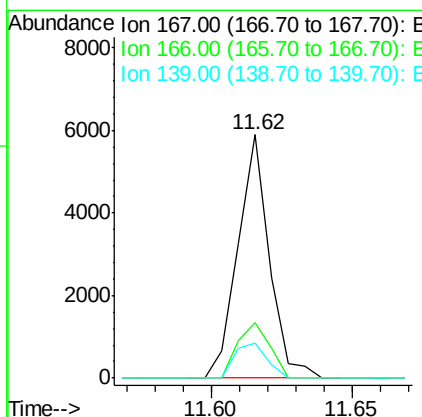
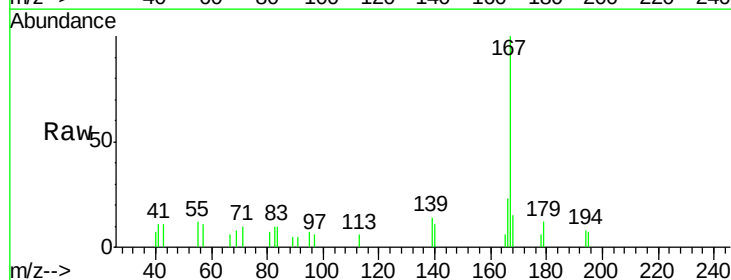
Instrument :
 BNA_F
 ClientSampleId :

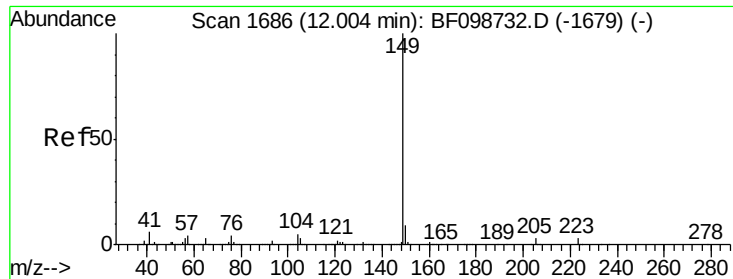
Tot Ion:178 Resp: 12966
 Ion Ratio Lower Upper
 178 100
 176 16.9 15.4 23.2
 179 16.0 12.6 19.0



#72
 Carbazole
 Concen: 0.22 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Tgt Ion:167 Resp: 4559
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.6 26.4
 139 14.4 10.9 16.3

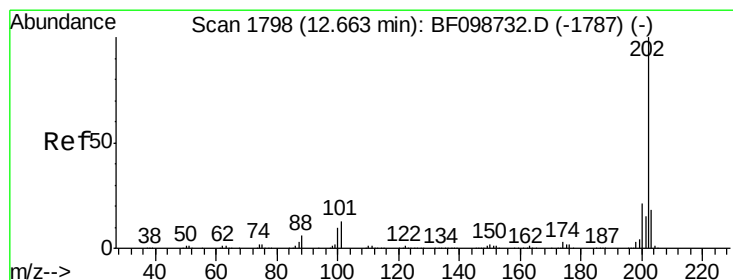
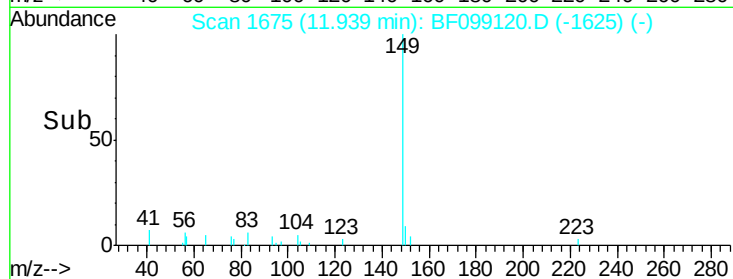
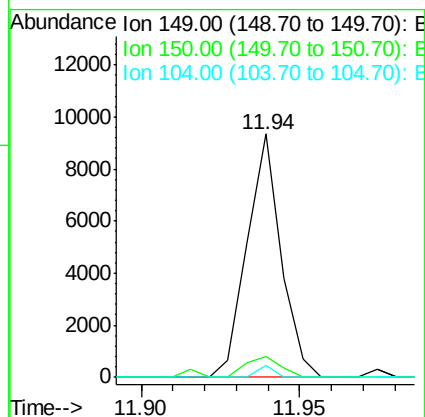
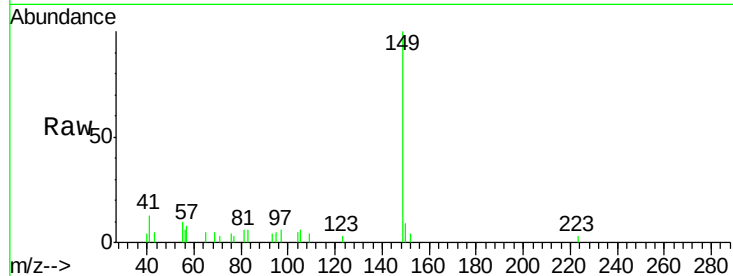




#73
Di-n-butylphthalate
Concen: 0.27 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

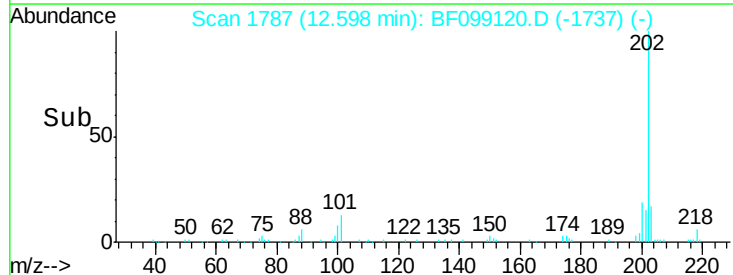
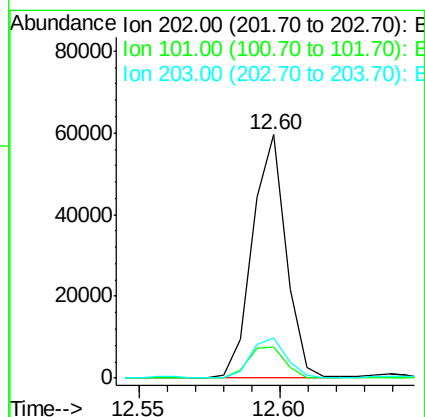
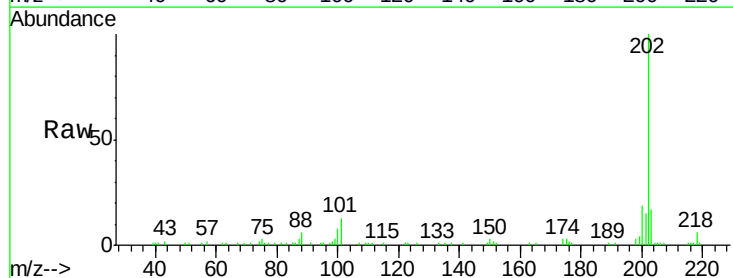
Instrument :
BNA_F
ClientSampleId :

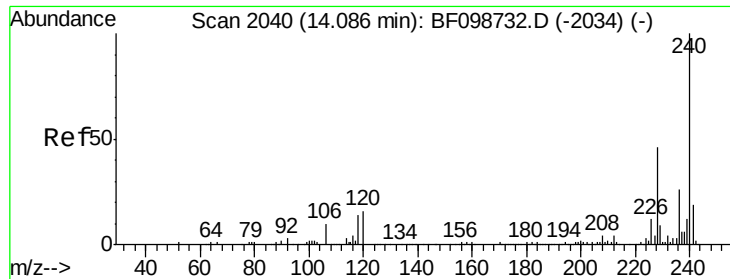
Tot Ion:149 Resp: 6933
Ion Ratio Lower Upper
149 100
150 8.7 7.8 11.6
104 4.8 3.8 5.8



#74
Fluoranthene
Concen: 2.31 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:202 Resp: 49118
Ion Ratio Lower Upper
202 100
101 12.9 0.0 34.1
203 16.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

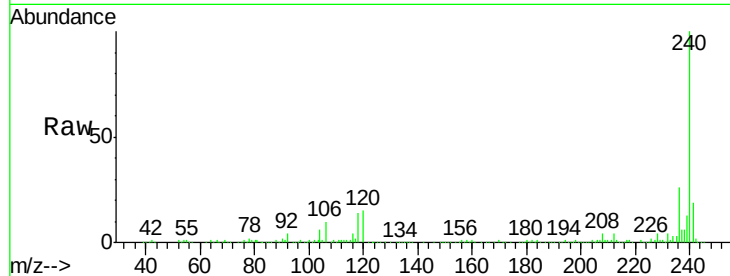
Tot Ion:240 Resp: 223774

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

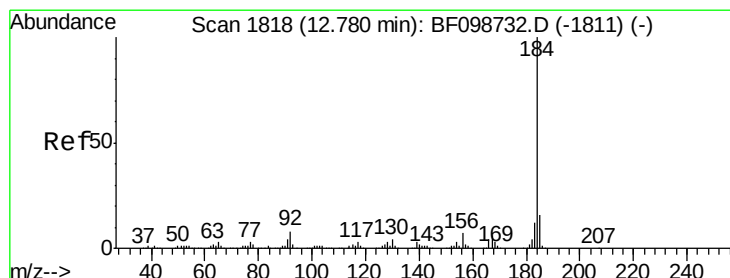
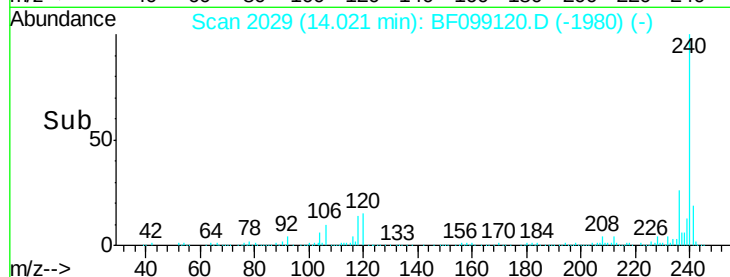
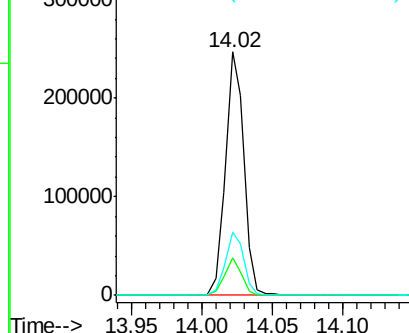
236 25.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 0.25 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.24 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

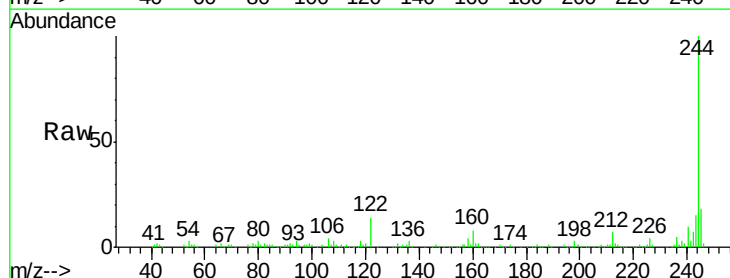
Tgt Ion:184 Resp: 2041

Ion Ratio Lower Upper

184 100

185 17.8 12.6 18.8

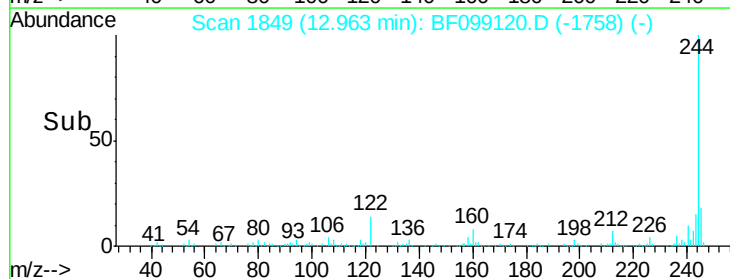
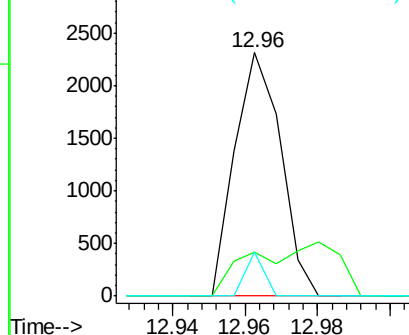
183 18.1 9.3 13.9#

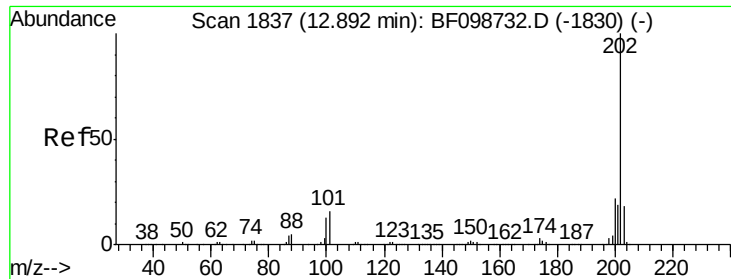


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

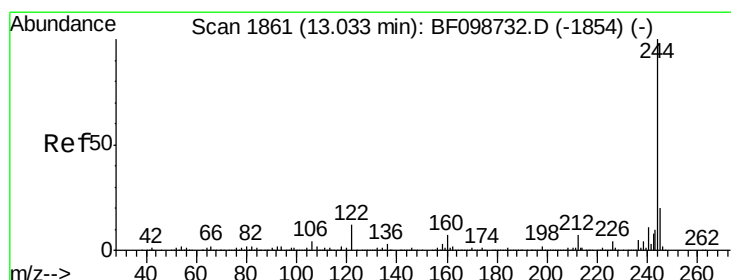
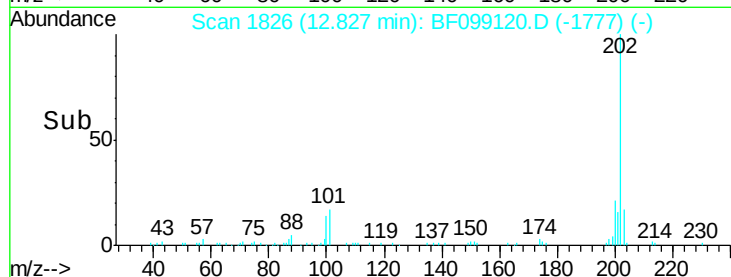
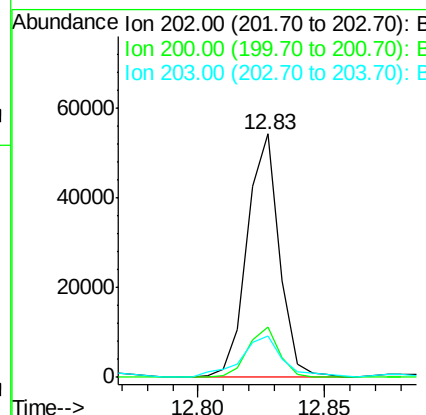
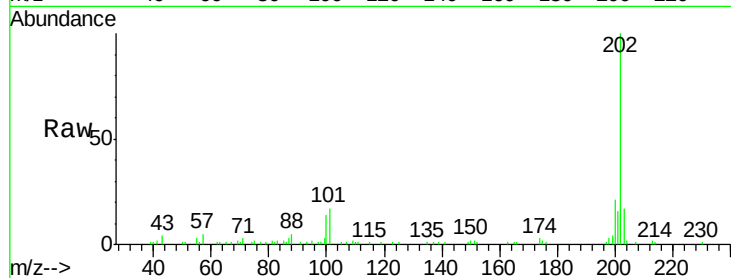




#77
Pvrene
Concen: 2.81 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

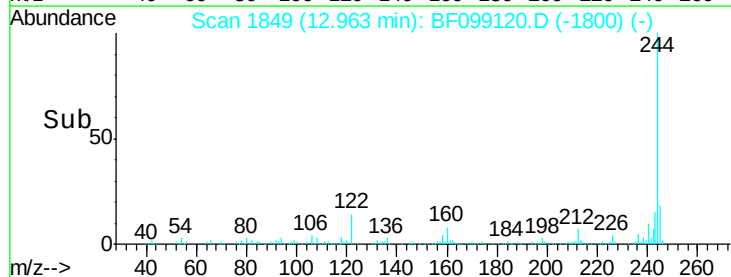
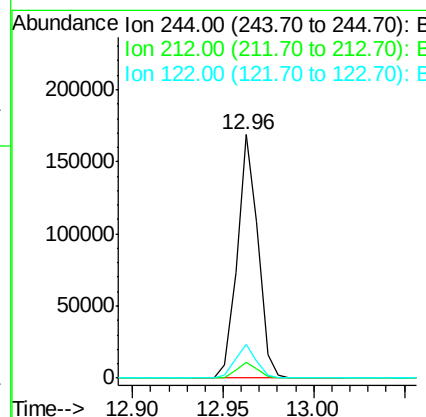
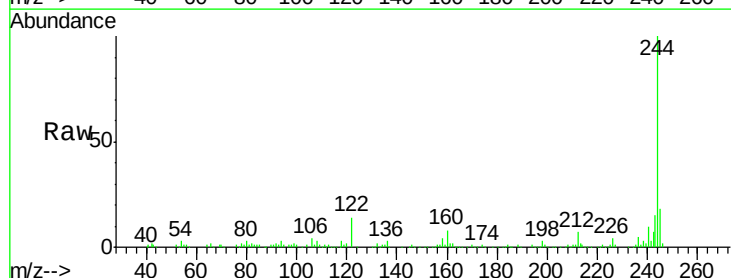
Instrument :
BNA_F
ClientSampleId :

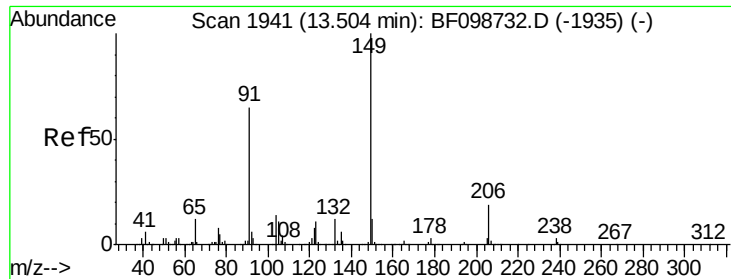
Tot Ion:202 Resp: 47924
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.1 14.3 21.5



#78
Terphenyl-d14
Concen: 13.61 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:244 Resp: 133929
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 13.9 11.0 16.4

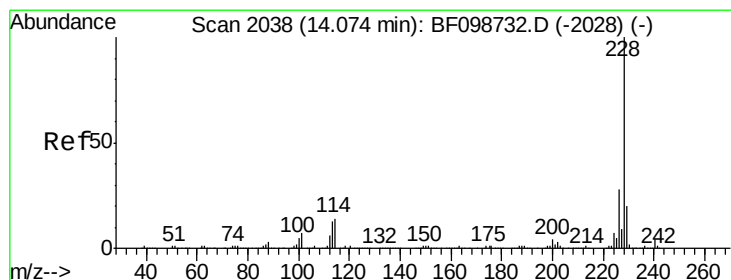
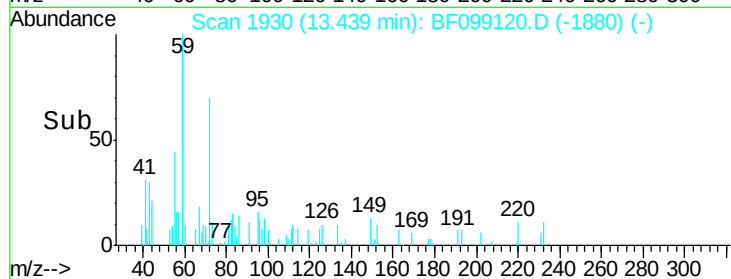
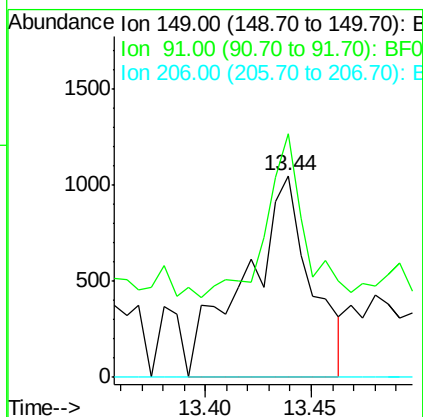
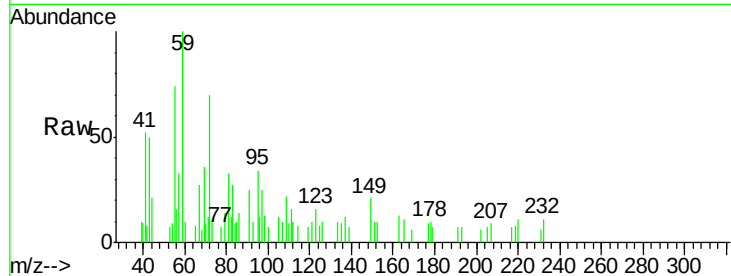




#79
Butylbenzylphthalate
Concen: 0.28 ng
RT: 13.44 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

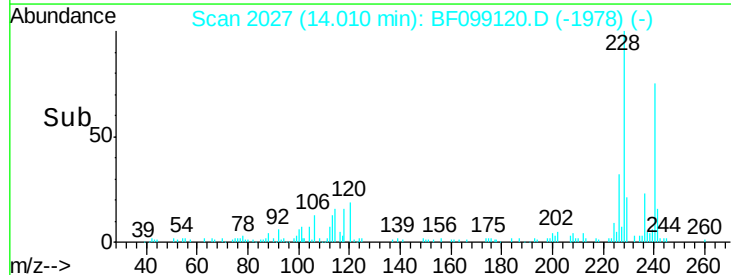
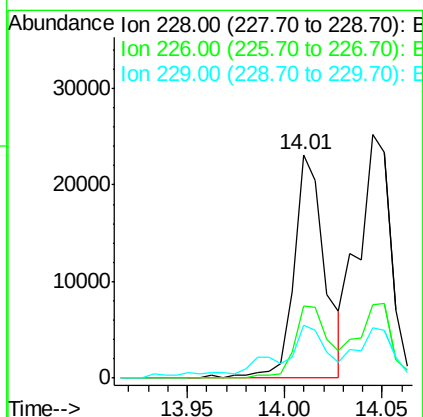
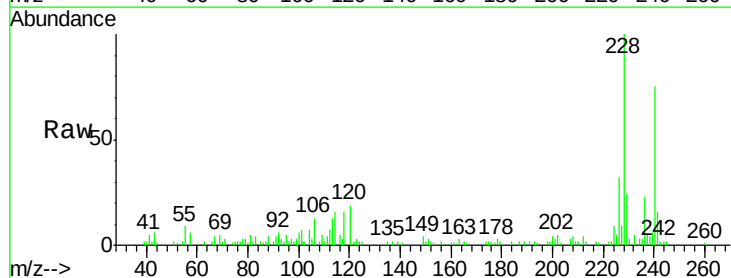
Instrument :
BNA_F
ClientSampleId :

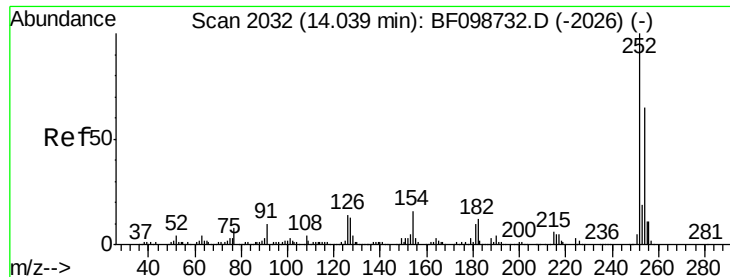
Tot Ion:149 Resp: 2248
Ion Ratio Lower Upper
149 100
91 120.6 56.8 85.2#
206 0.0 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 1.88 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:228 Resp: 25481
Ion Ratio Lower Upper
228 100
226 32.4 22.6 33.8
229 23.5 15.8 23.6

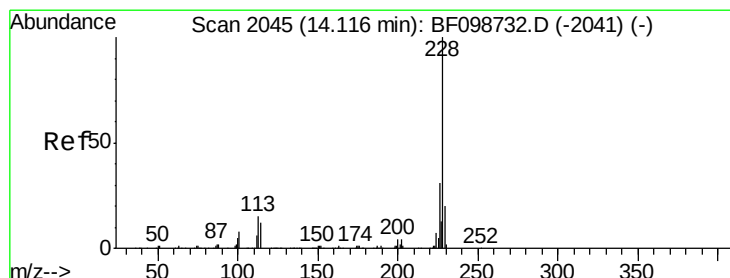
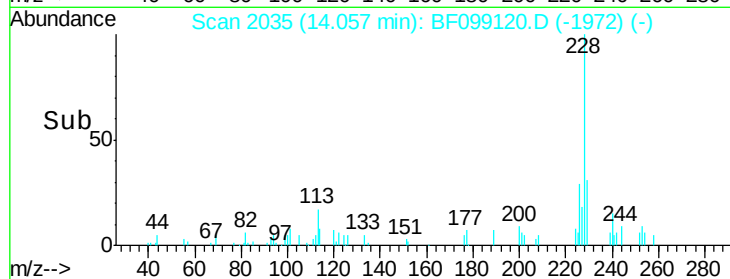
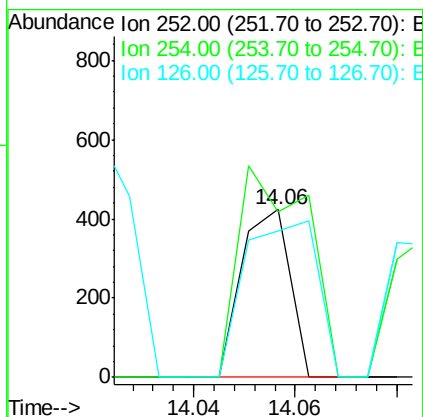
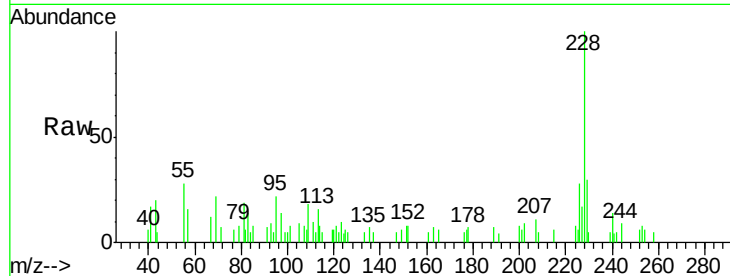




#81
 3,3'-Dichlorobenzidine
 Concen: 0.06 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.07 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

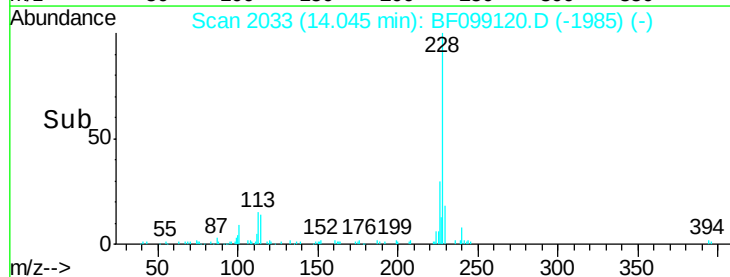
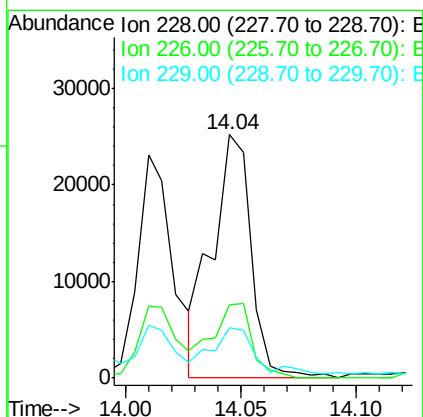
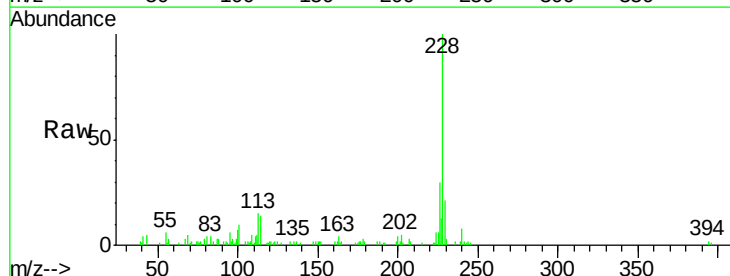
Instrument :
 BNA_F
 ClientSampleId :

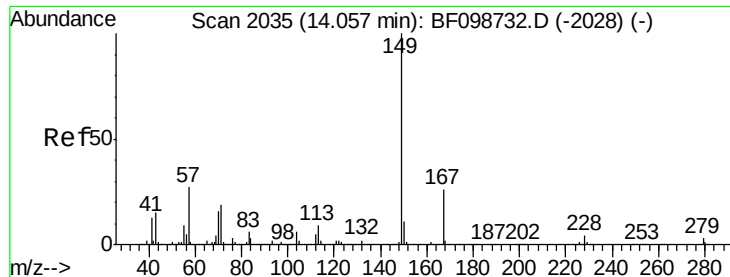
Tot Ion:252 Resp: 280
 Ion Ratio Lower Upper
 252 100
 254 98.8 50.4 75.6#
 126 87.5 11.3 16.9#



#82
 Chrysene
 Concen: 2.30 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.02 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Tgt Ion:228 Resp: 29714
 Ion Ratio Lower Upper
 228 100
 226 30.0 25.0 37.6
 229 20.6 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

Instrument :

BNA_F

ClientSampleId :

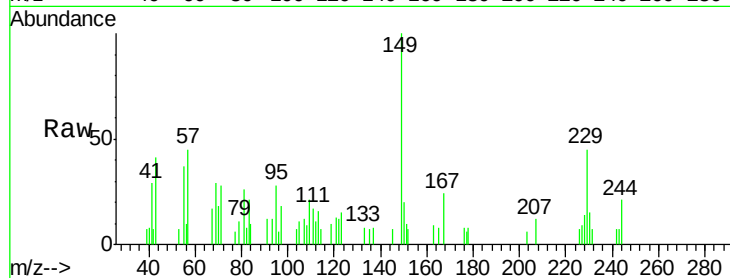
Tot Ion:149 Resp: 3764

Ion Ratio Lower Upper

149 100

167 23.8 21.3 31.9

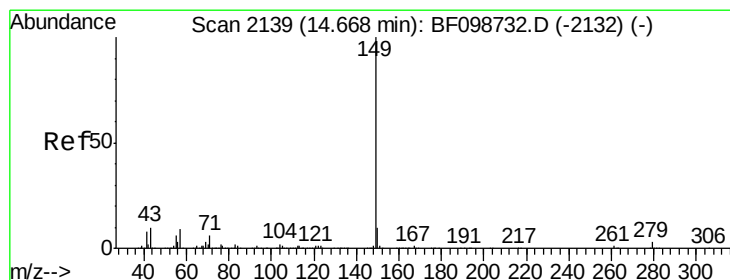
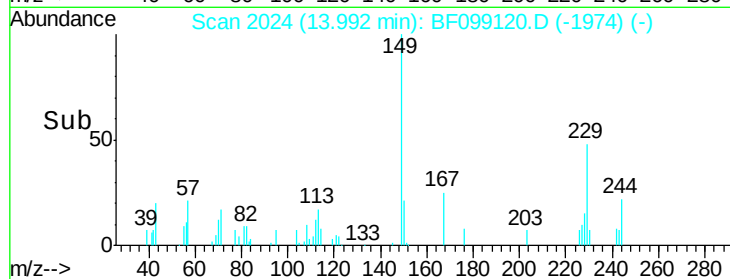
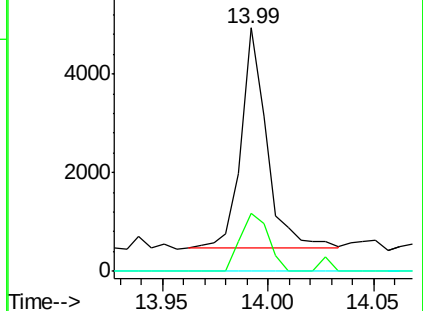
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.04 ng

RT: 14.61 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BF099120.D

Acq: 5 Oct 2017 23:06

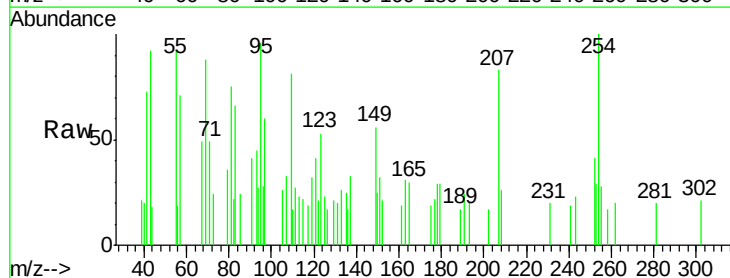
Tgt Ion:149 Resp: 646

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

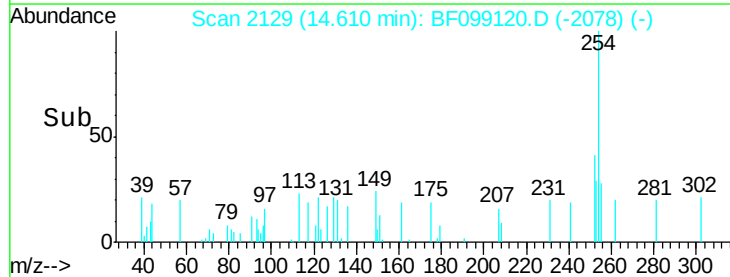
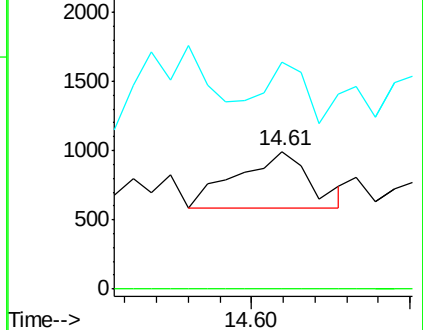
43 67.0 8.4 12.6#

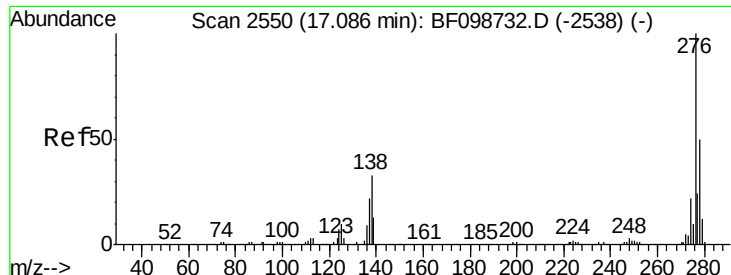


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

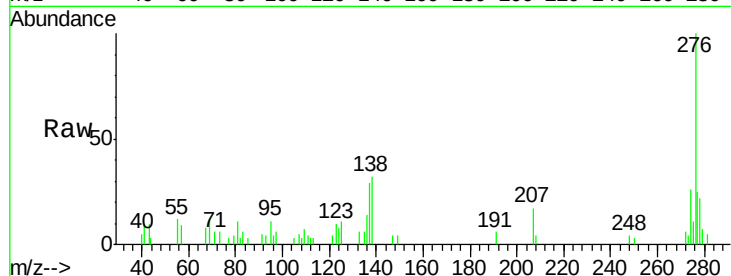




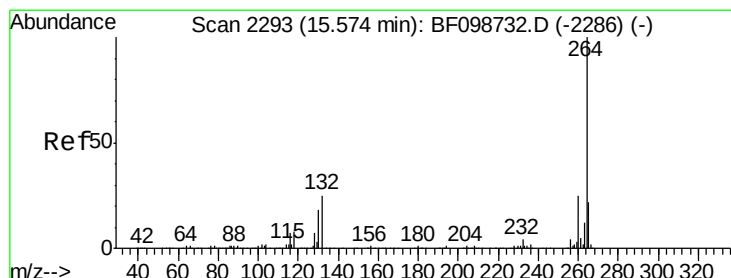
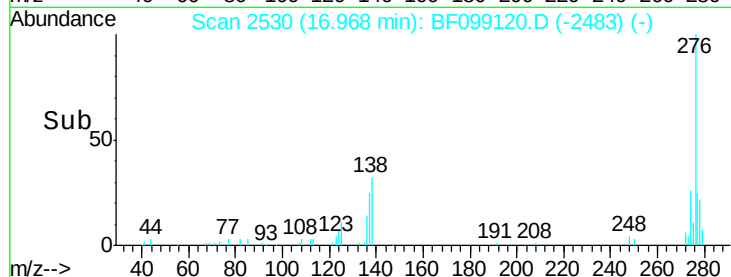
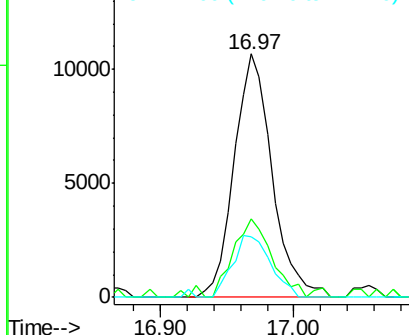
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.04 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 21056
Ion Ratio Lower Upper
276 100
138 32.5 25.0 37.6
277 25.3 20.1 30.1

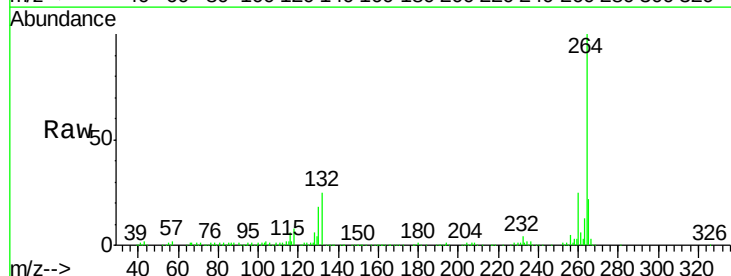


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

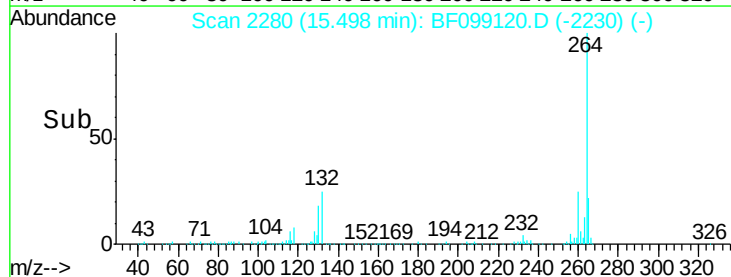
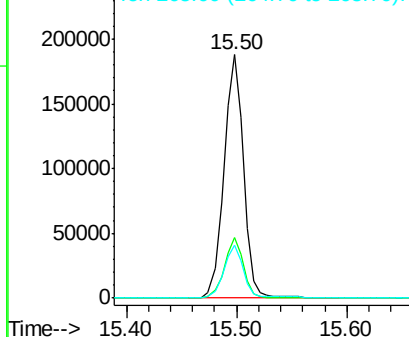


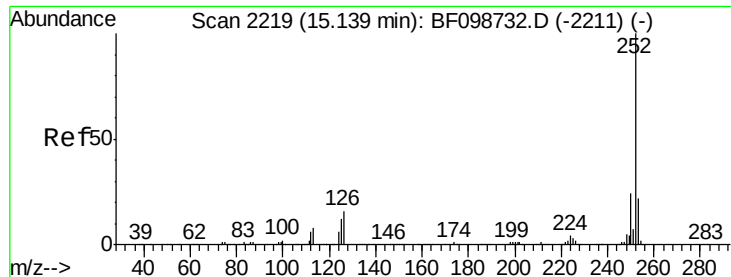
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:264 Resp: 233079
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.0 17.5 26.3



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

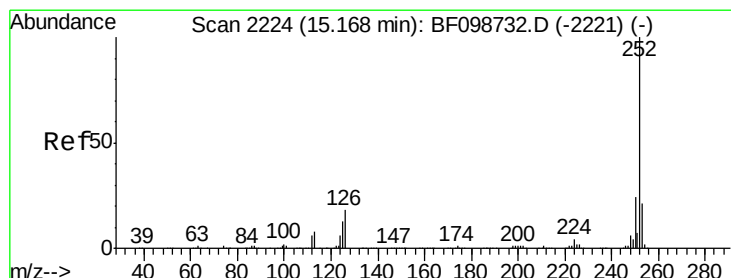
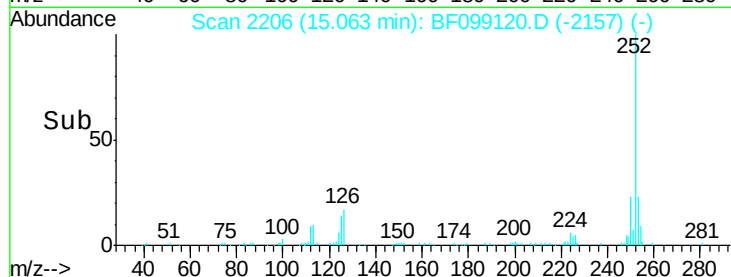
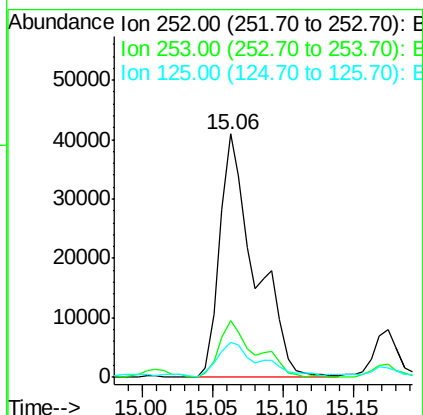
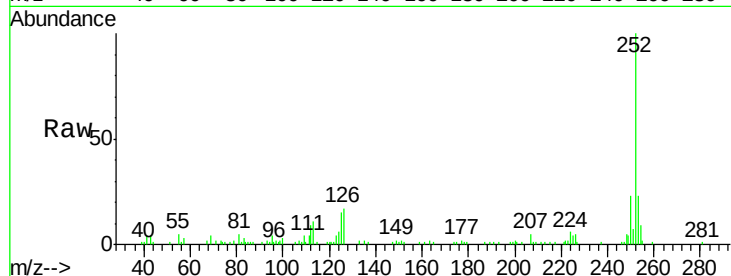




#87
Benzo(b)fluoranthene
Concen: 4.99 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

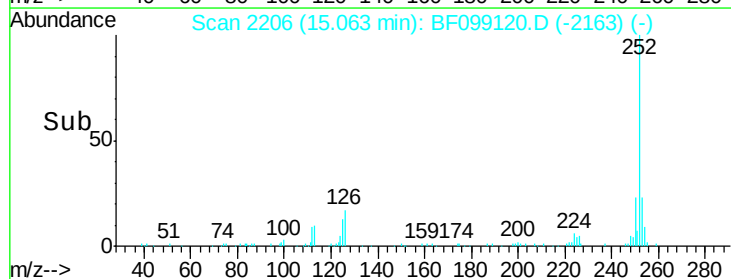
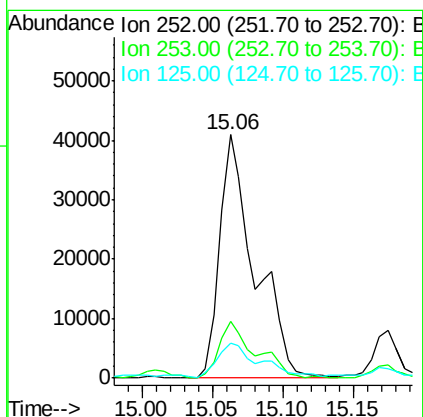
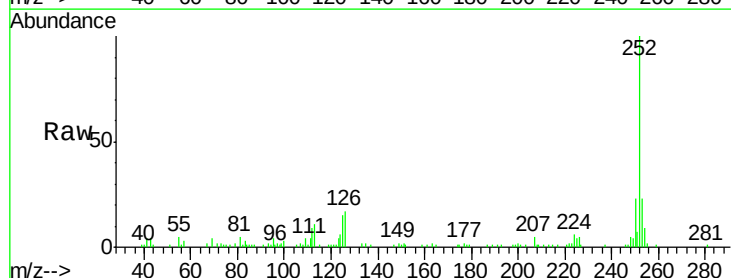
Instrument :
BNA_F
ClientSampleId :

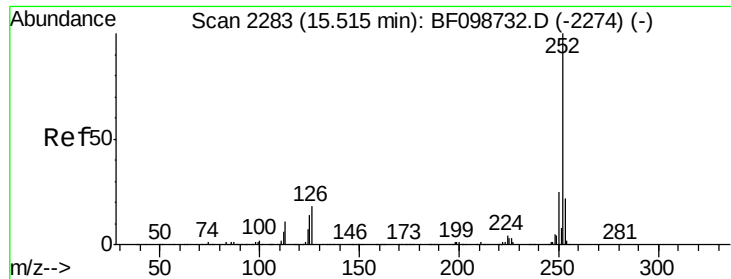
Tot Ion:252 Resp: 71544
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.6
125 14.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 5.05 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:252 Resp: 71544
Ion Ratio Lower Upper
252 100
253 23.3 17.9 26.9
125 14.5 10.2 15.2

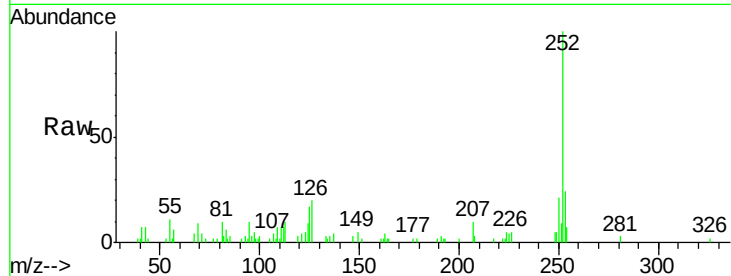




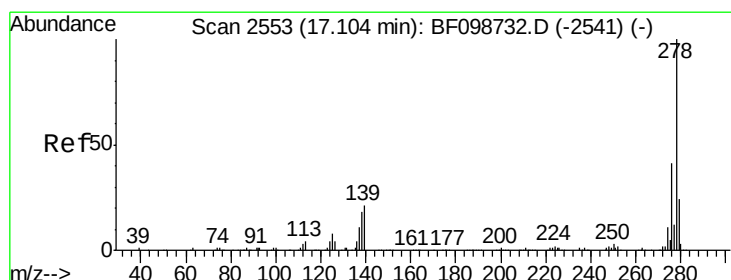
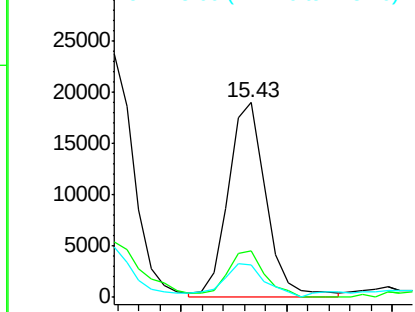
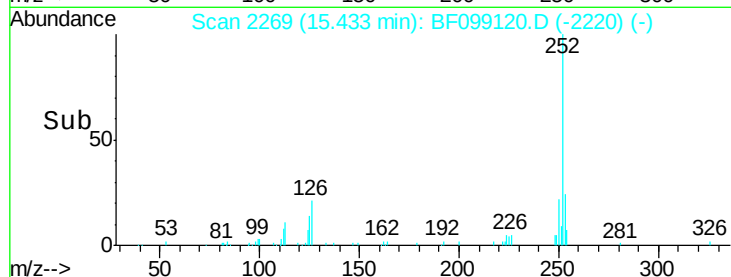
#89
Benzo(a)pyrene
Concen: 1.79 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 23580
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 16.9 9.8 14.6#

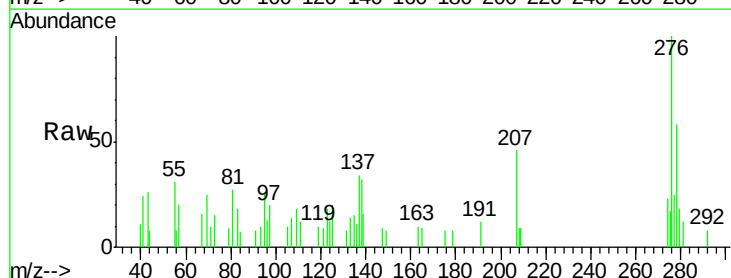


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

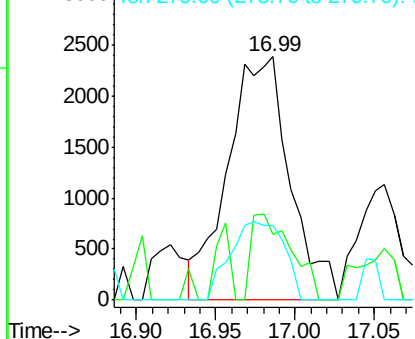
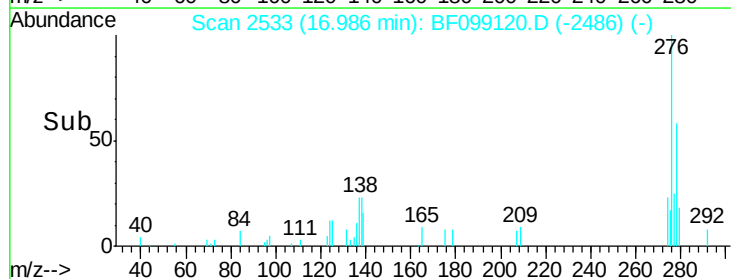


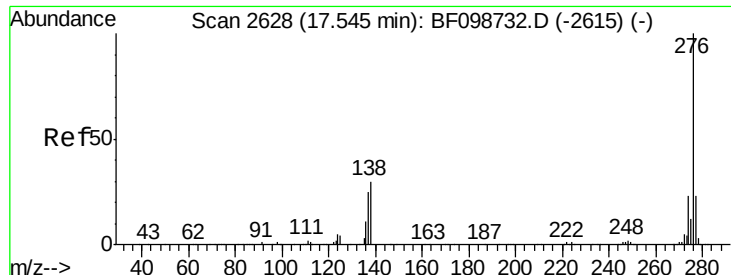
#90
Dibenzo(a,h)anthracene
Concen: 0.62 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF099120.D
Acq: 5 Oct 2017 23:06

Tgt Ion:278 Resp: 6496
Ion Ratio Lower Upper
278 100
139 27.1 15.9 23.9#
279 30.5 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

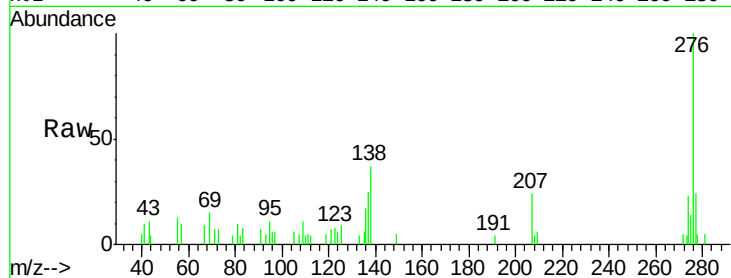




#91
 Benzo(a,h,i)perylene
 Concen: 1.70 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.03 min
 Lab File: BF099120.D
 Acq: 5 Oct 2017 23:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	36.9	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

