

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
 Data File : BF099121.D
 Acq On : 5 Oct 2017 23:34
 Operator : SJ/JU
 Sample : I5585-07 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 06 02:15:06 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	125844	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	527393	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	234021	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	377826	20.00	ng	0.00
75) Chrysene-d12	14.02	240	216422	20.00	ng	-0.01
86) Perylene-d12	15.50	264	222365	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	188852	23.89	ng	0.00
7) Phenol-d6	6.48	99	231005	23.69	ng	-0.02
23) Nitrobenzene-d5	7.42	82	132521	16.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	36901	19.27	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	260023	18.55	ng	-0.01
78) Terphenyl-d14	12.96	244	168840	17.74	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.69	88	1199	0.32	ng	# 31
6) Aniline	6.63	93	125	0.01	ng	# 1
9) Benzaldehyde	6.48	77	317	0.06	ng	# 1
10) Phenol	6.50	94	4574	0.42	ng	93
11) bis(2-Chloroethyl)ether	6.63	93	125	0.01	ng	# 1
15) Benzyl Alcohol	7.02	79	2213	0.31	ng	# 38
19) n-Nitroso-di-n-propylamine	7.42	70	16811	2.70	ng	# 76
22) Acetophenone	7.27	105	107	0.01	ng	# 54
24) Nitrobenzene	7.42	77	338	0.04	ng	# 38
25) Isophorone	7.42	82	132519	7.79	ng	# 64
31) Naphthalene	8.17	128	4248	0.17	ng	96
33) 4-Chloroaniline	8.17	127	384	0.04	ng	# 18
37) 2-Methylnaphthalene	8.86	142	3081	0.19	ng	85
45) 1,1'-Biphenyl	9.32	154	1276	0.06	ng	86
46) 2-Chloronaphthalene	9.61	162	178	0.01	ng	# 1
47) 2-Nitroaniline	9.61	65	109	0.02	ng	# 1
48) Acenaphthylene	9.76	152	9857	0.43	ng	96
49) Dimethylphthalate	9.61	163	27159	1.54	ng	98
50) 2,6-Dinitrotoluene	9.90	165	29995	7.80	ng	# 25
51) Acenaphthene	9.93	154	264	0.02	ng	# 65
54) Dibenzofuran	10.10	168	2437	0.12	ng	97
55) 4-Nitrophenol	10.10	139	868	0.23	ng	# 9
56) 2,4-Dinitrotoluene	9.90	165	29995	6.01	ng	# 23
57) Fluorene	10.45	166	445	0.03	ng	# 90
62) Azobenzene	10.68	77	302	0.02	ng	# 1
65) n-Nitrosodiphenylamine	10.69	169	1895	0.14	ng	# 40
66) 4-Bromophenyl-phenylether	10.69	248	2531	0.68	ng	# 1
70) Phenanthrene	11.41	178	20498	1.01	ng	99
71) Anthracene	11.46	178	6156	0.30	ng	99
72) Carbazole	11.62	167	3219	0.16	ng	99
73) Di-n-butylphthalate	11.94	149	2150	0.09	ng	# 78
74) Fluoranthene	12.60	202	102387	5.00	ng	97
76) Benzidine	12.96	184	2341	0.29	ng	# 91
77) Pyrene	12.83	202	77666	4.71	ng	99

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

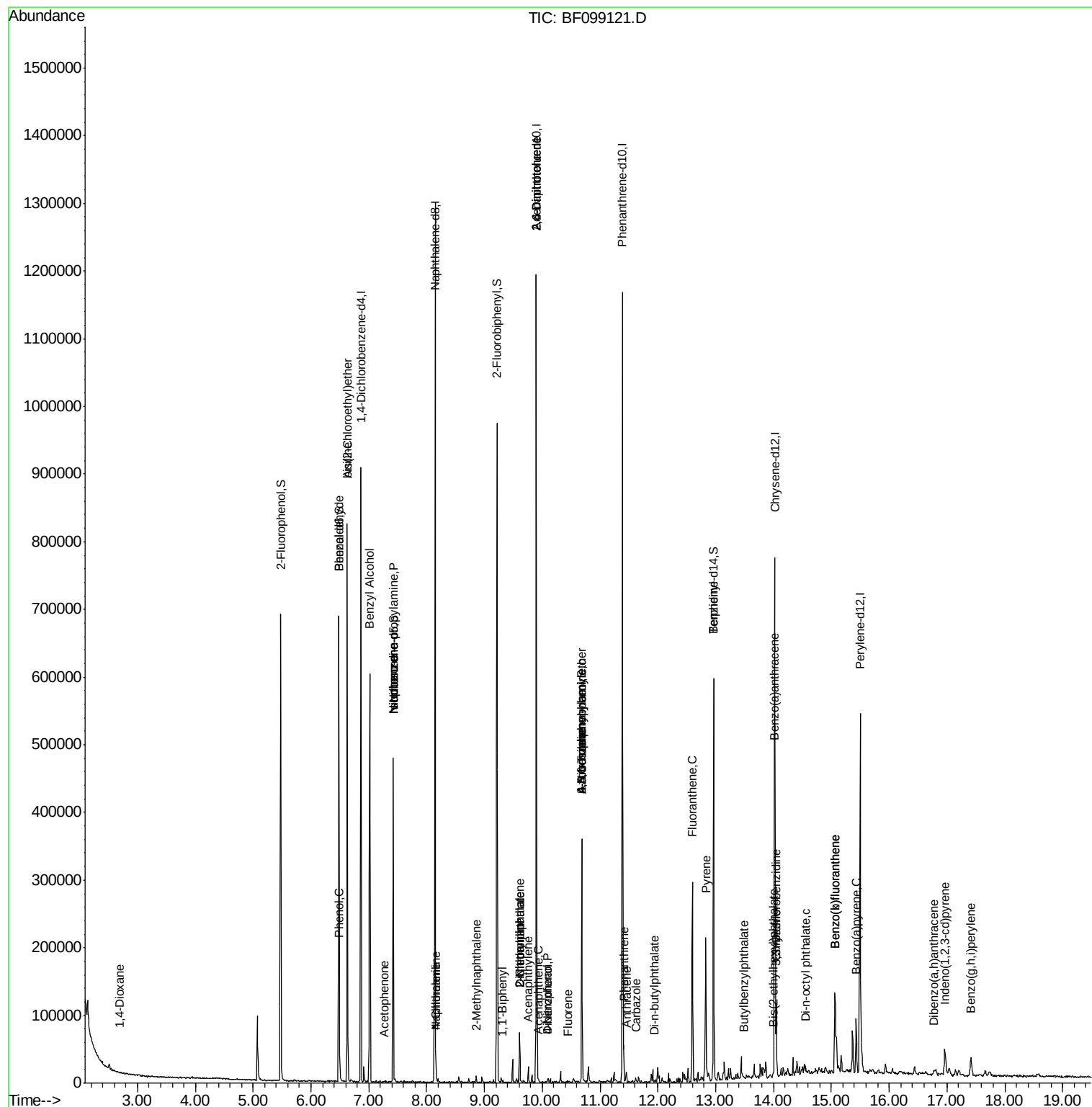
79) Butylbenzylphthalate	13.49	149	123	0.02	ng	# 23
80) Benzo(a)anthracene	14.01	228	44117	3.37	ng	97
81) 3,3'-Dichlorobenzidine	14.06	252	126	0.03	ng	# 70
82) Chrysene	14.05	228	39748	3.19	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	1838	0.17	ng	# 78
84) Di-n-octyl phthalate	14.54	149	701	0.04	ng	# 9
85) Indeno(1,2,3-cd)pyrene	16.97	276	24840	2.49	ng	98
87) Benzo(b)fluoranthene	15.06	252	78591	5.75	ng	98
88) Benzo(k)fluoranthene	15.06	252	78591	5.82	ng	97
89) Benzo(a)pyrene	15.43	252	37965	3.03	ng	# 93
90) Dibenzo(a,h)anthracene	16.77	278	5322	0.53	ng	98
91) Benzo(a,h,i)perylene	17.42	276	20254	2.04	ng	92

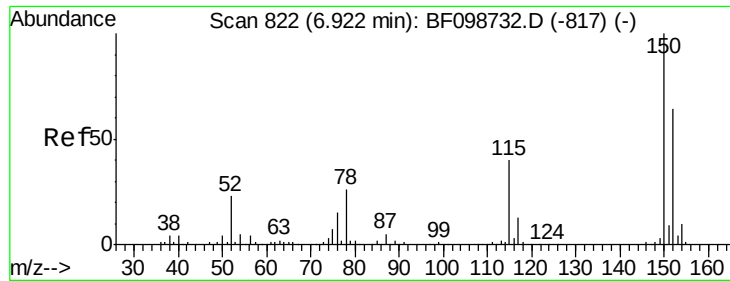
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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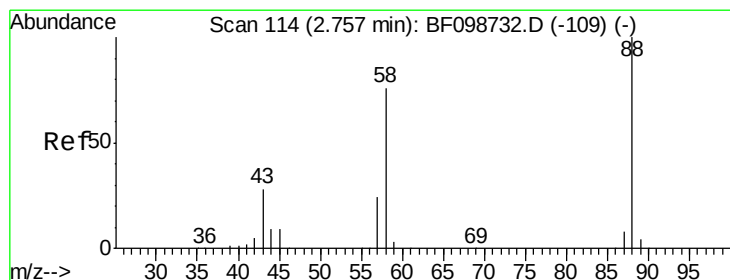
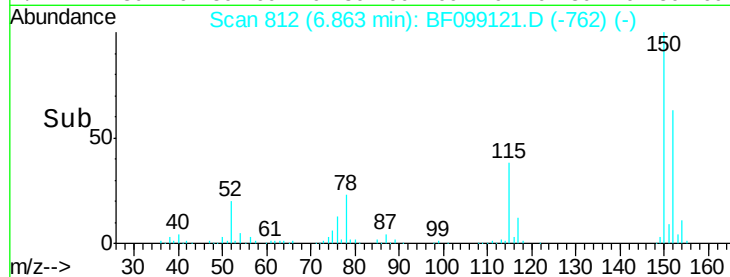
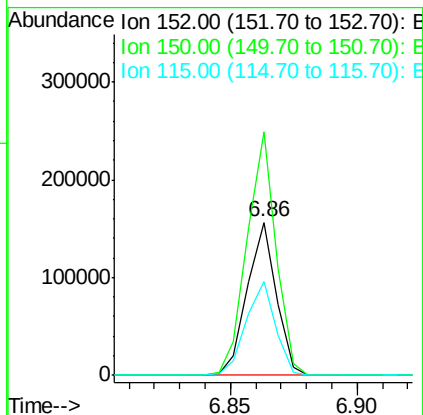
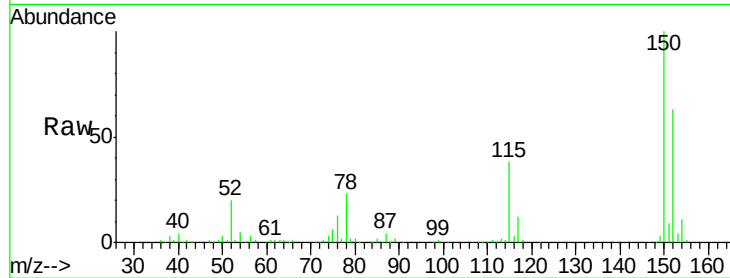


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampleId :

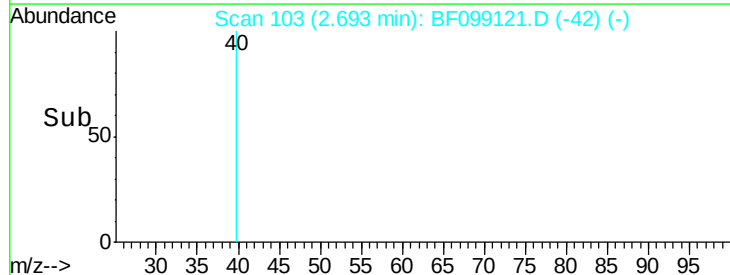
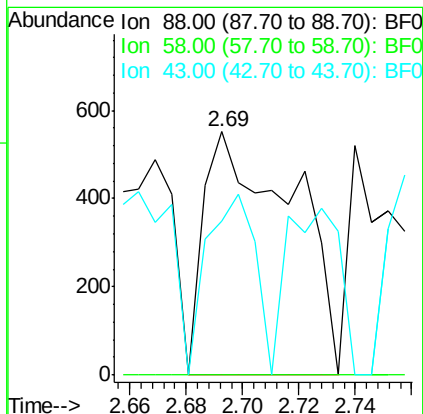
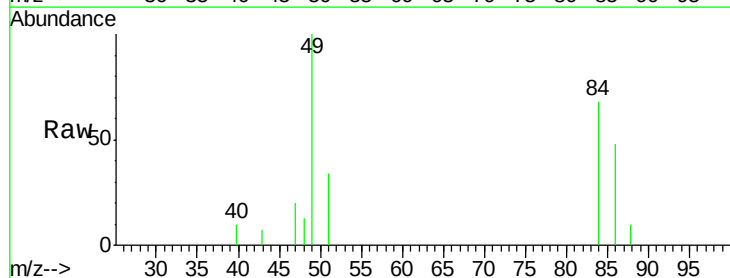
Tot Ion:152 Resp: 125844
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 61.3 50.1 75.1

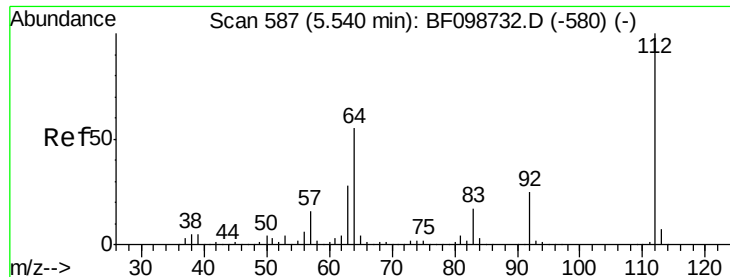


#2

1,4-Dioxane
Concen: 0.32 ng
RT: 2.69 min Scan# 103
Delta R.T. 0.06 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion: 88 Resp: 1199
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 40.4 24.6 37.0#





#5

2-Fluorophenol

Concen: 23.89 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

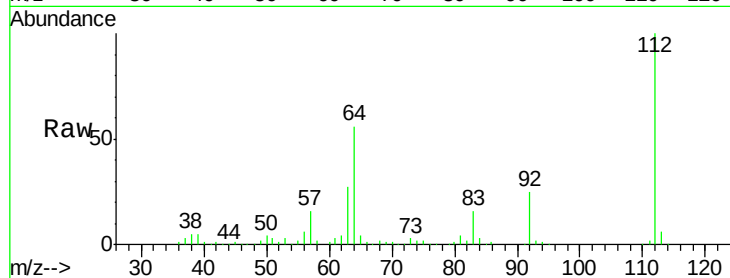
Tot Ion:112 Resp: 188852

Ion Ratio Lower Upper

112 100

64 55.9 47.9 71.9

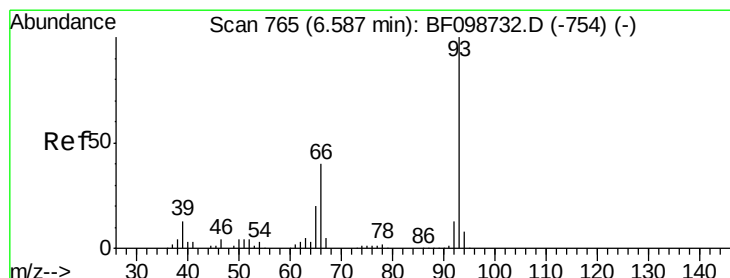
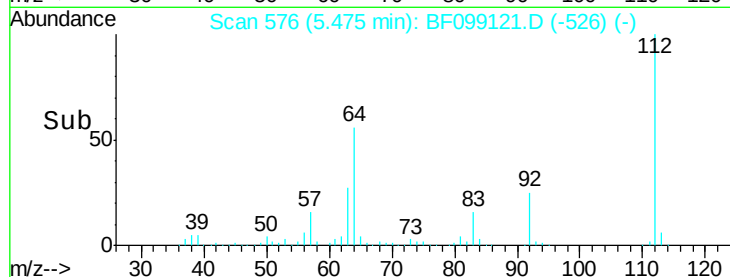
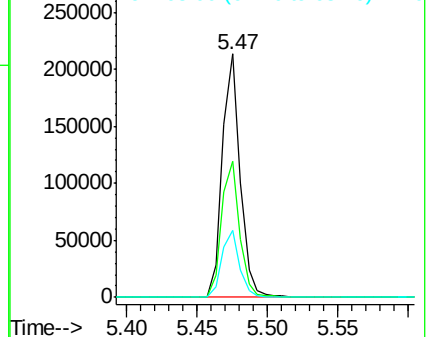
63 27.3 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.01 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.09 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

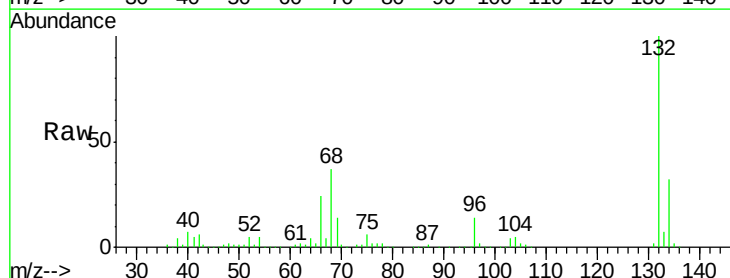
Tgt Ion: 93 Resp: 125

Ion Ratio Lower Upper

93 100

66 17371.1 32.2 48.2#

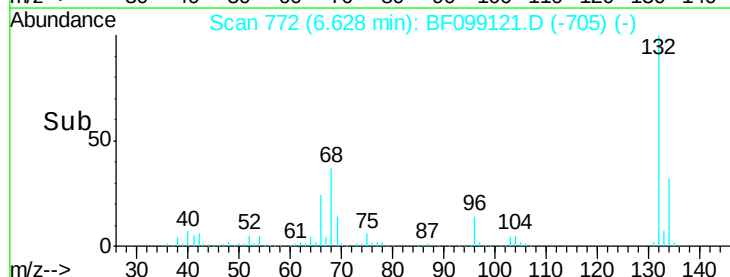
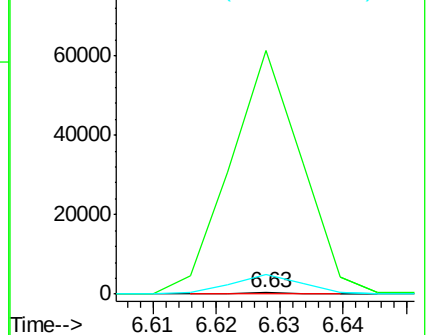
65 1389.0 16.4 24.6#

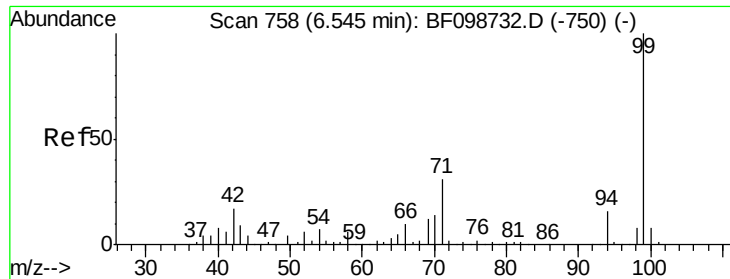


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 23.69 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

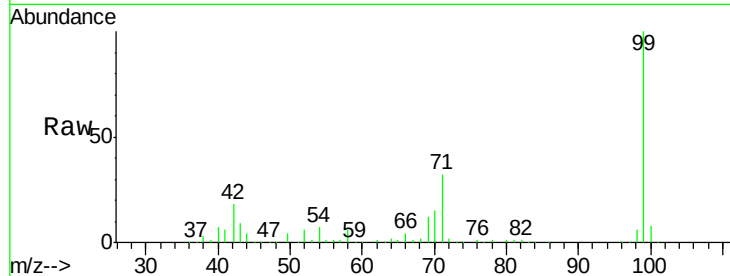
Tot Ion: 99 Resp: 231005

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

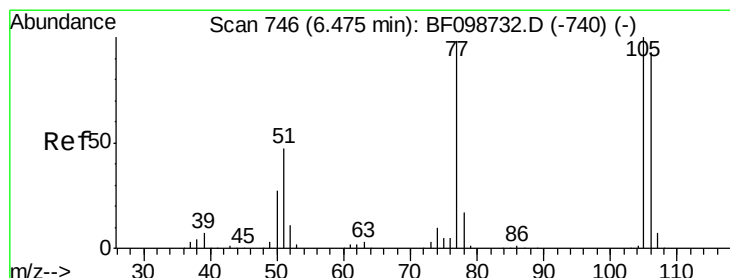
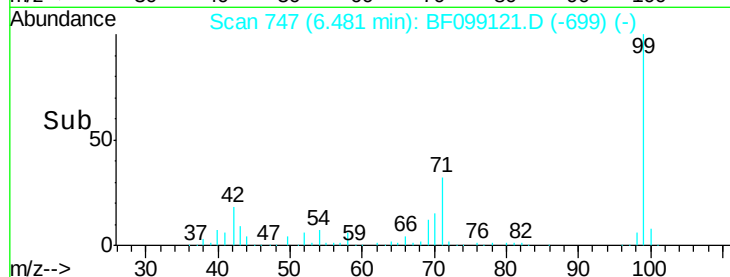
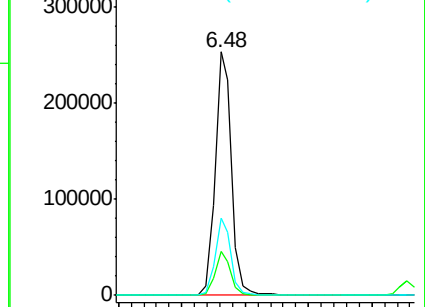
71 31.5 25.4 38.0



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: 0.06 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.06 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

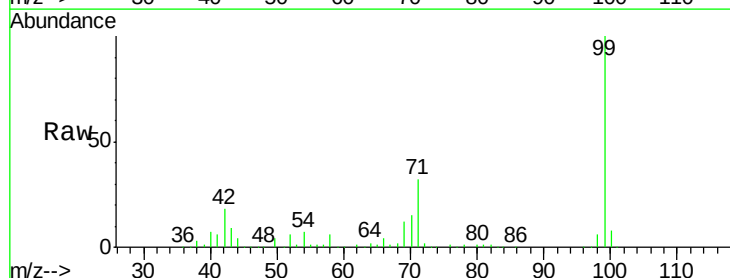
Tgt Ion: 77 Resp: 317

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

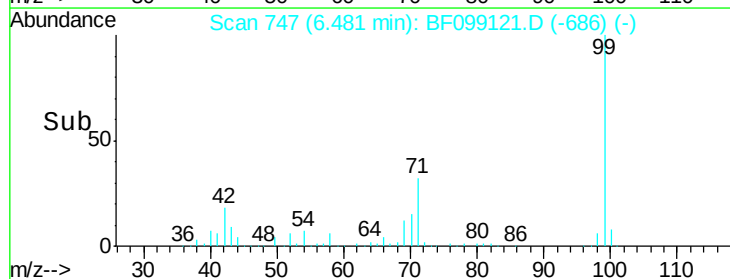
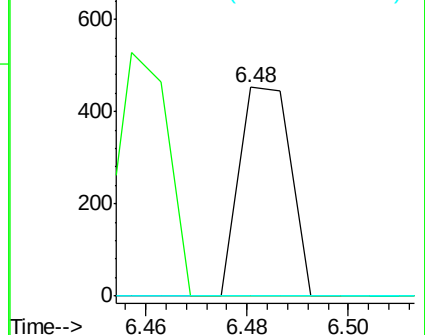
106 0.0 74.5 114.5#

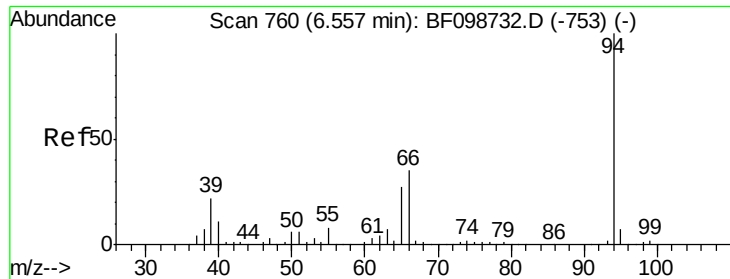


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

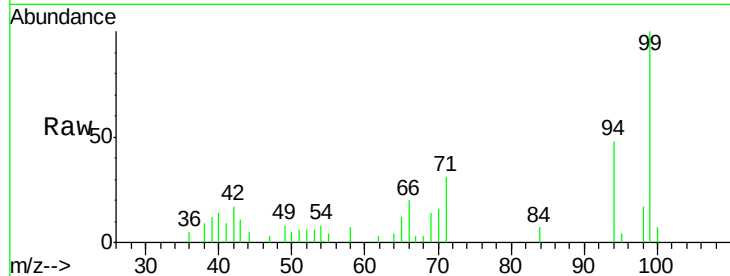




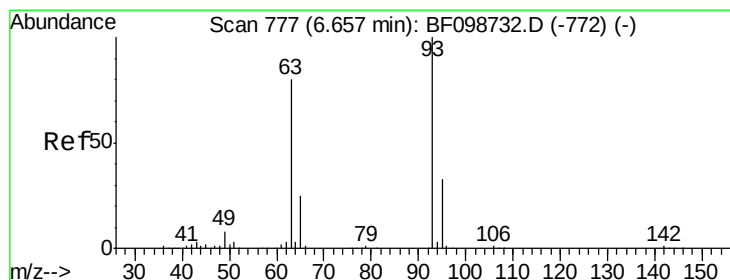
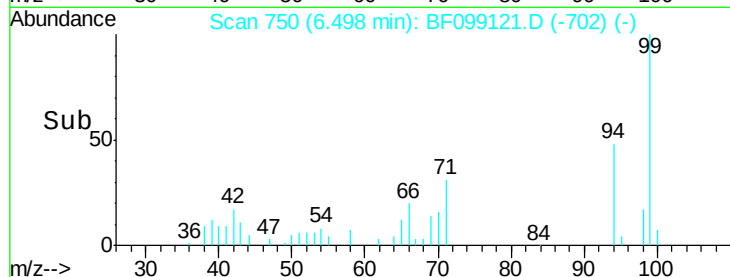
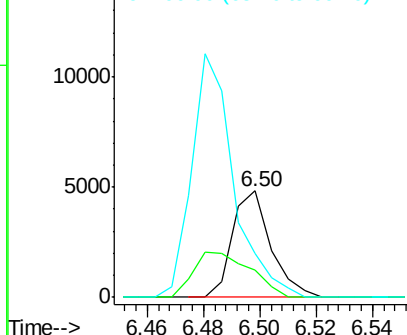
#10
Phenol
Concen: 0.42 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampled :

Tot Ion: 94 Resp: 4574
Ion Ratio Lower Upper
94 100
65 25.4 7.9 47.9
66 41.7 16.2 56.2

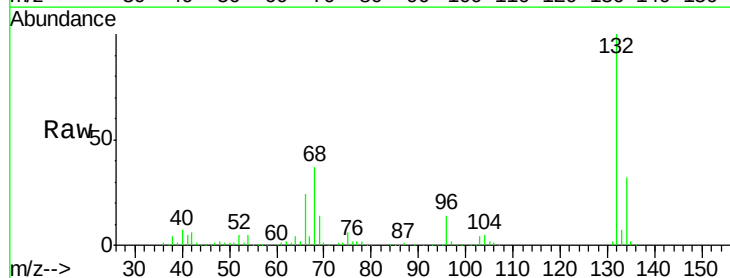


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

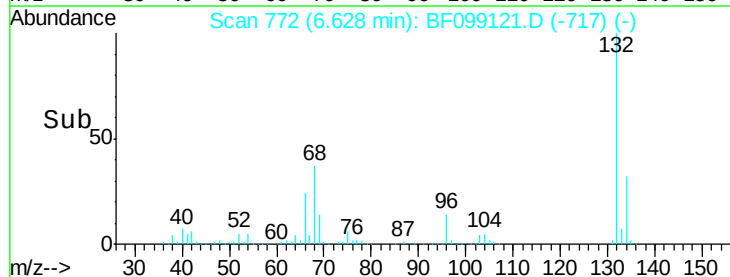
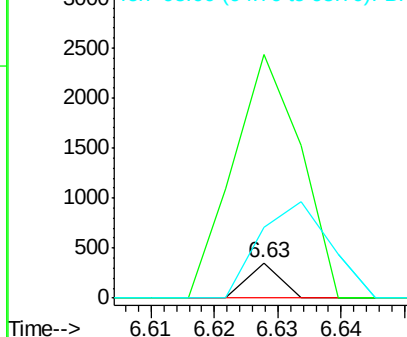


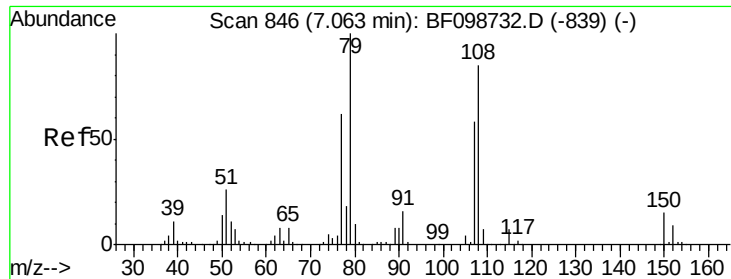
#11
bis(2-Chloroethyl)ether
Concen: 0.01 ng
RT: 6.63 min Scan# 772
Delta R.T. 0.02 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion: 93 Resp: 125
Ion Ratio Lower Upper
93 100
63 689.2 58.6 98.6#
95 200.3 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: 0.31 ng

RT: 7.02 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

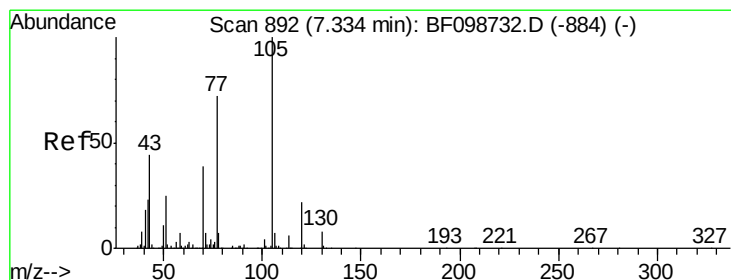
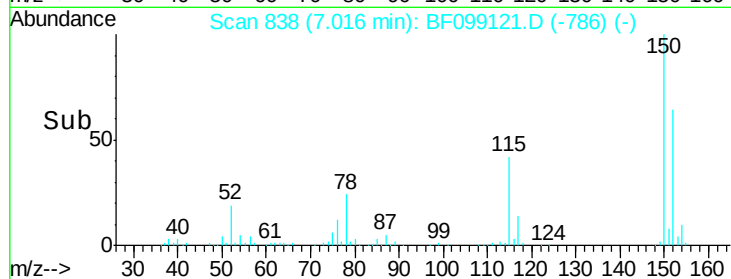
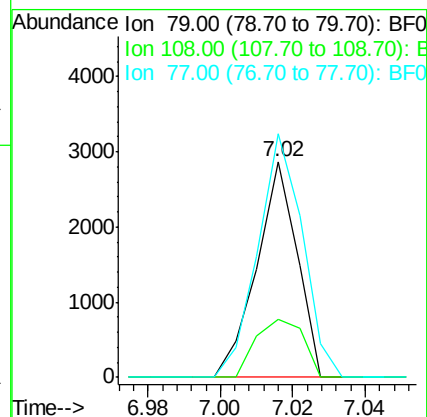
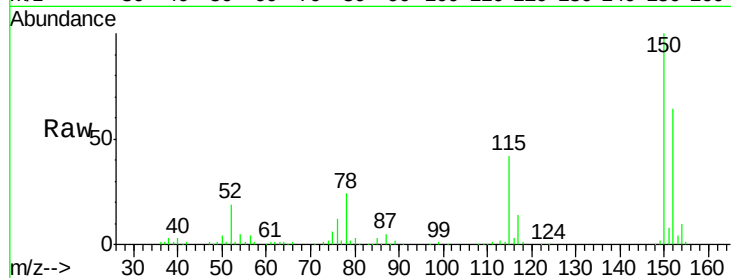
Tot Ion: 79 Resp: 2213

Ion Ratio Lower Upper

79 100

108 27.0 65.1 97.7#

77 112.9 50.6 75.8#



#19

n-Nitroso-di-n-propylamine

Concen: 2.70 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Tgt Ion: 70 Resp: 16811

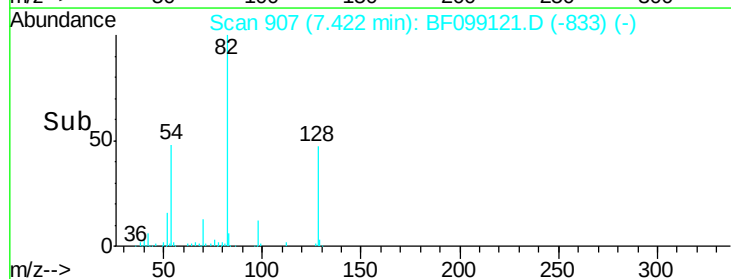
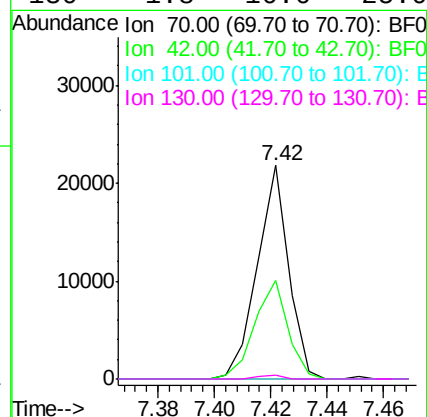
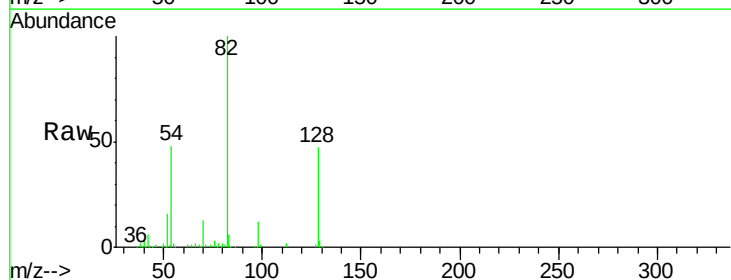
Ion Ratio Lower Upper

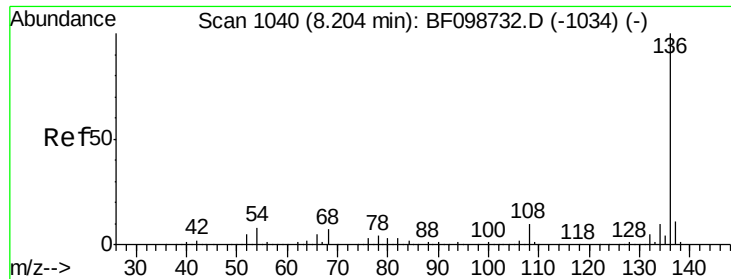
70 100

42 46.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

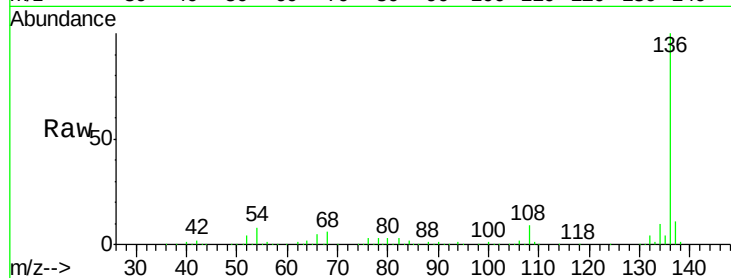




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	527393
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	7.5	6.6 9.8
68	6.2	5.0 7.4

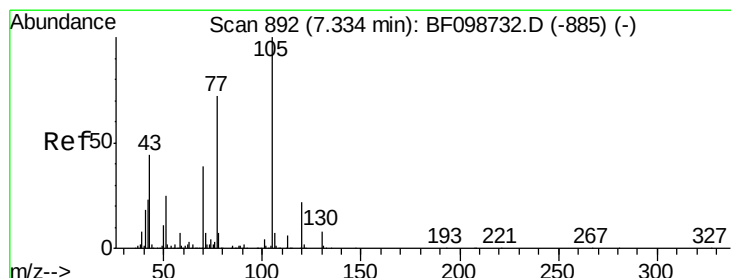
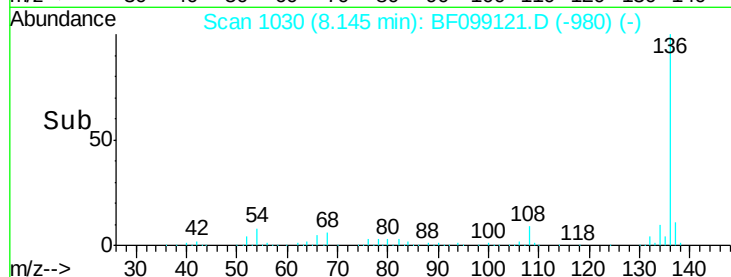
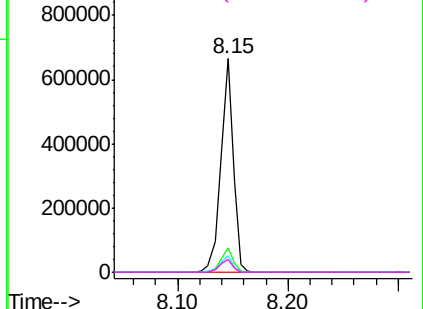


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

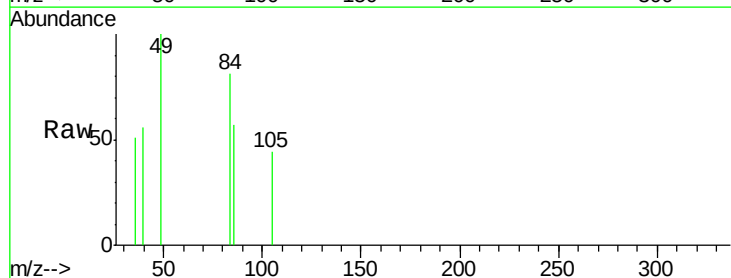
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 0.01 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:105	Resp:	107
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.4 6.6#
51	0.0	22.3 33.5#
120	0.0	16.9 25.3#

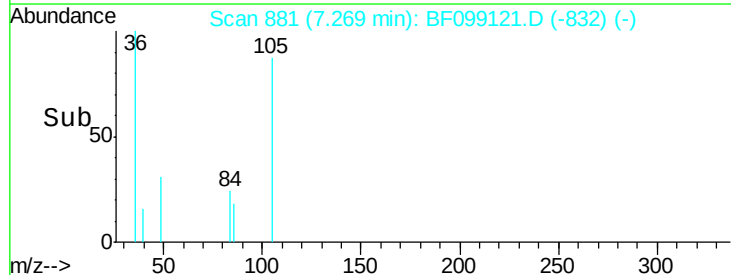
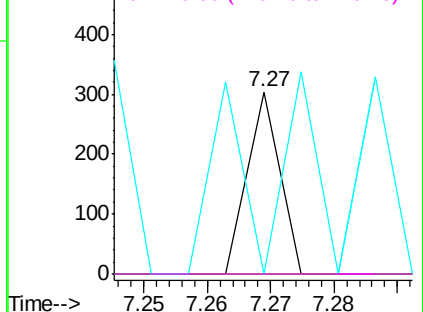


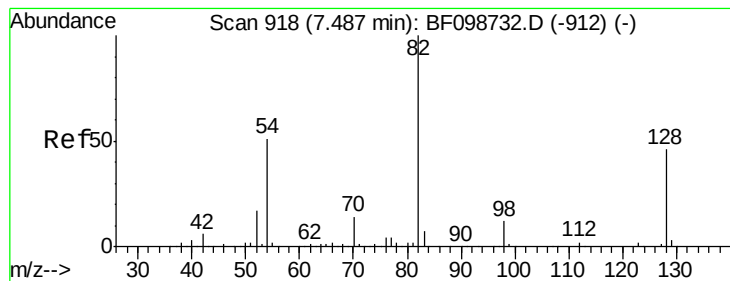
Abundance Ion 105.00 (104.70 to 105.70): E

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: 16.11 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

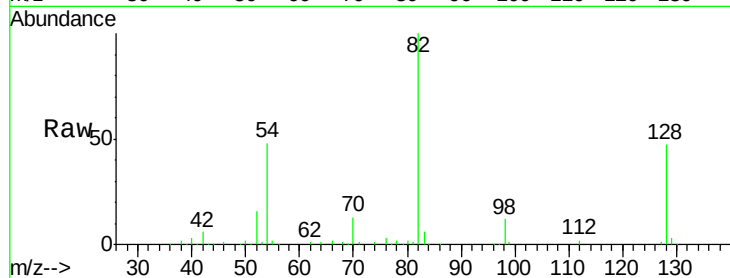
Tot Ion: 82 Resp: 132521

Ion Ratio Lower Upper

82 100

128 47.1 36.1 54.1

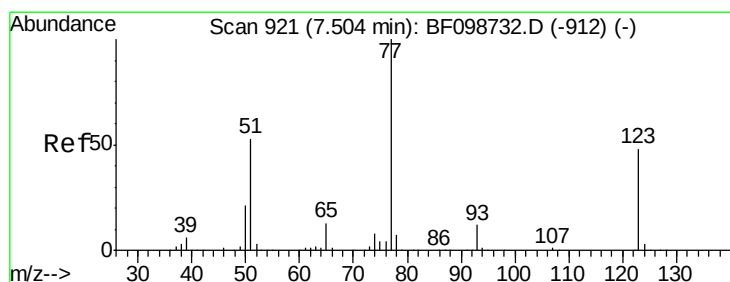
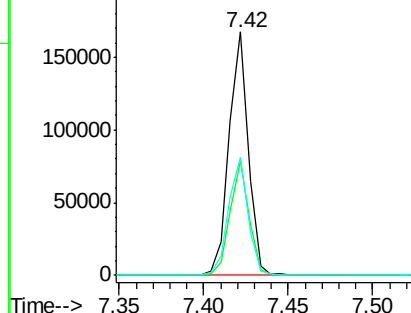
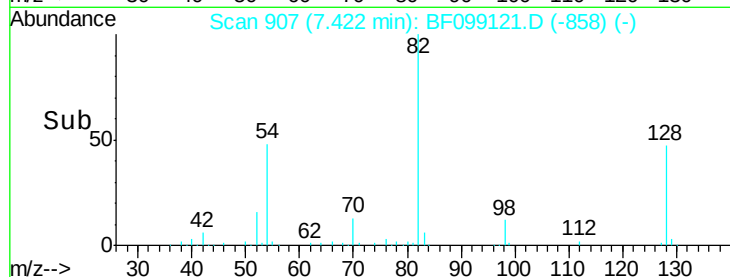
54 48.5 41.4 62.2



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: 7.42 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

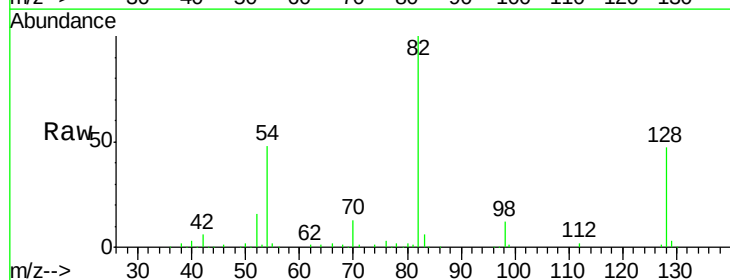
Tgt Ion: 77 Resp: 338

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

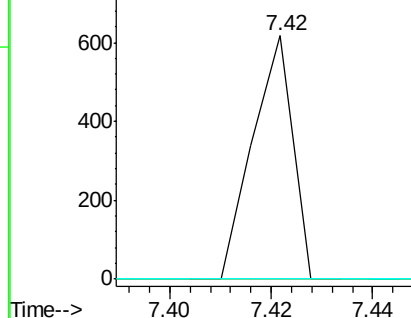
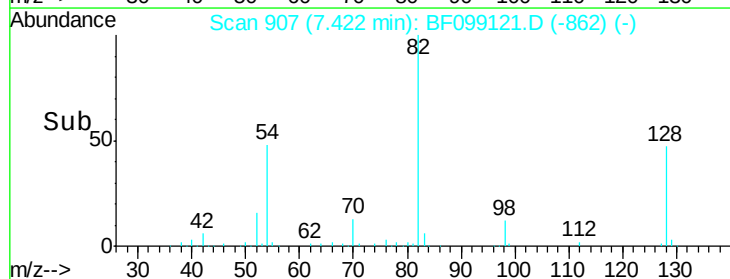
65 0.0 11.0 16.4#

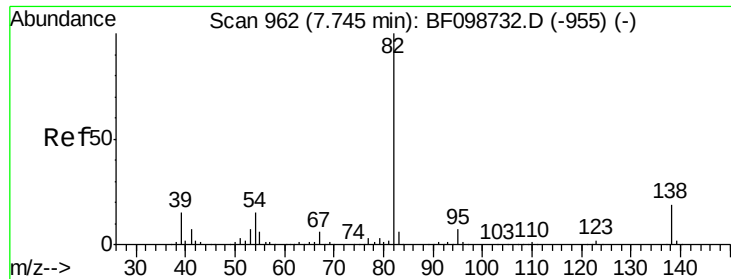


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 7.79 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.27 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

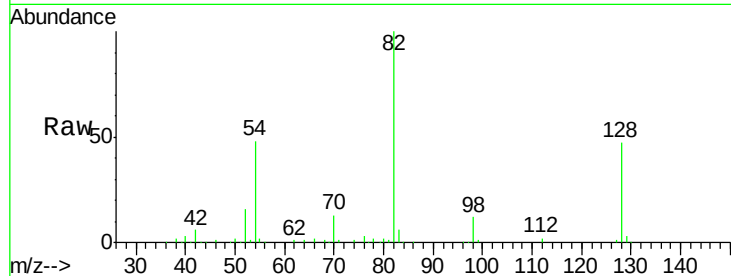
Tot Ion: 82 Resp: 132519

Ion Ratio Lower Upper

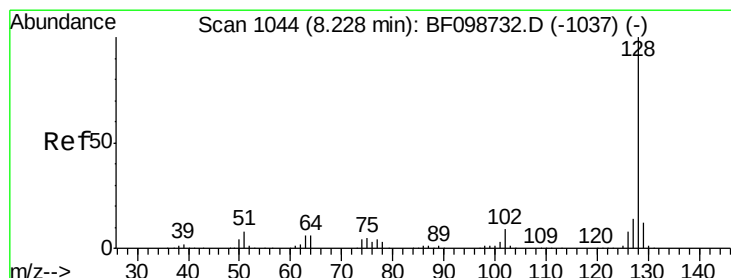
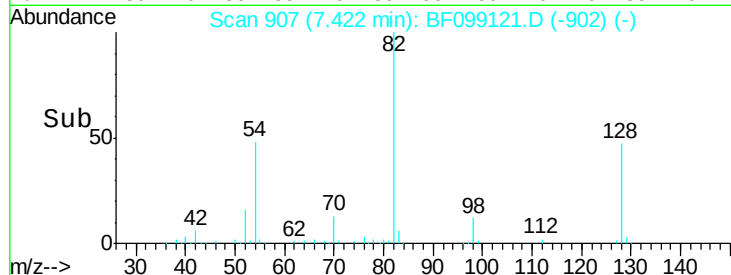
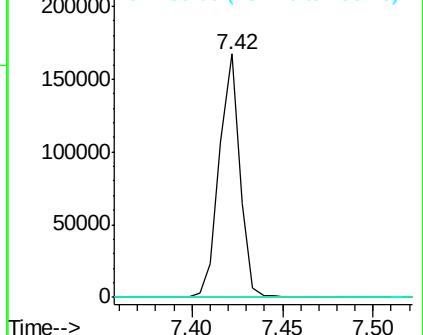
82 100

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: 0.17 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

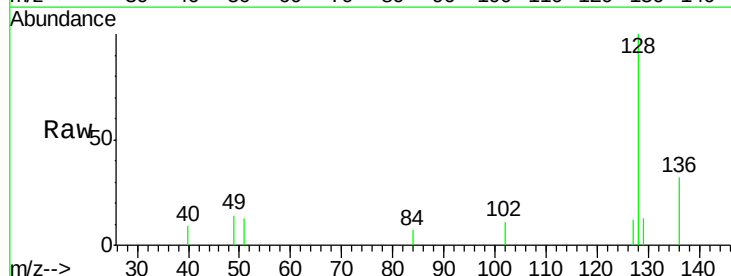
Tgt Ion: 128 Resp: 4248

Ion Ratio Lower Upper

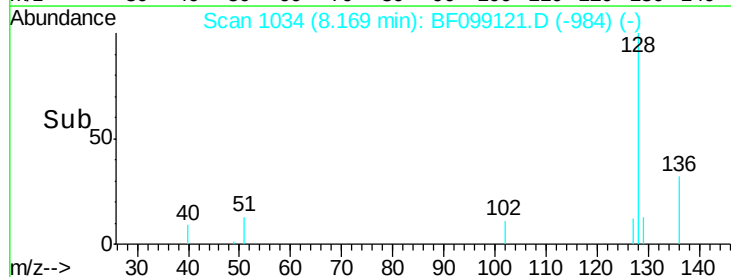
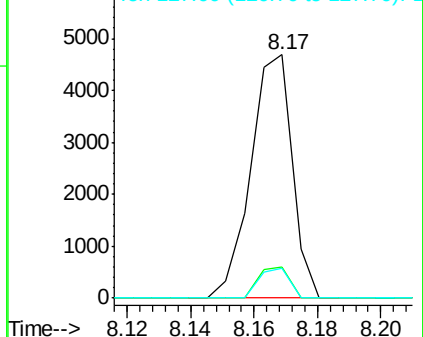
128 100

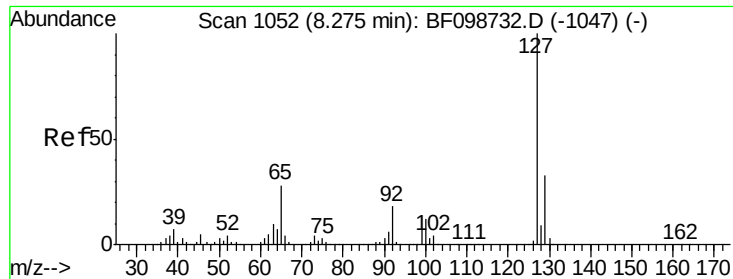
129 13.0 8.8 13.2

127 12.4 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

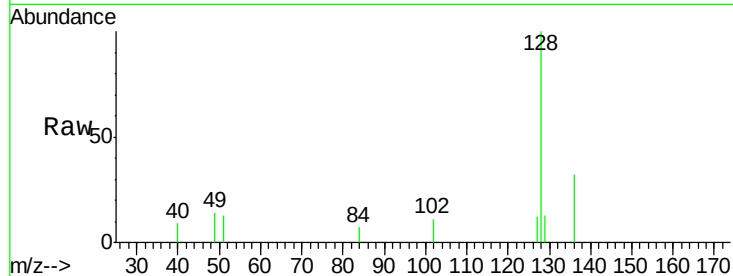




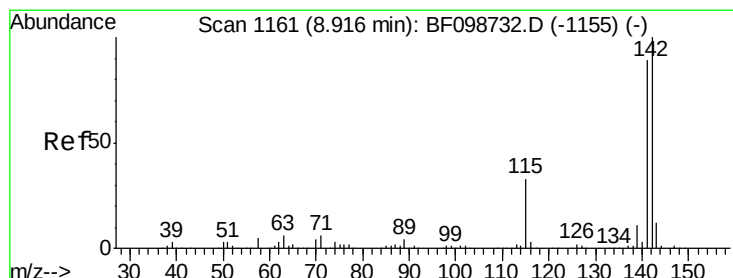
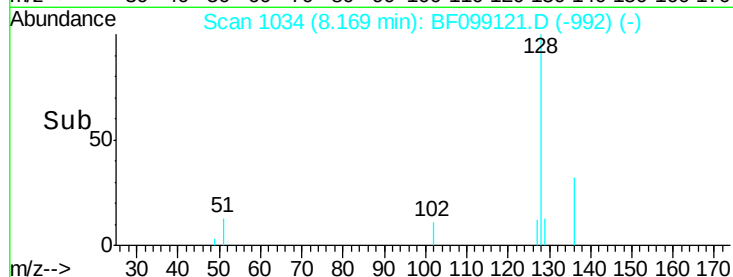
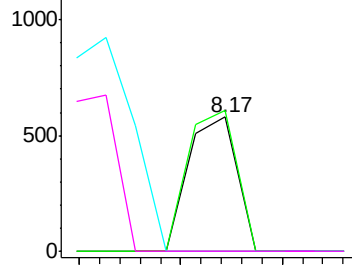
#33
4-Chloroaniline
Concen: 0.04 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127 Resp: 384
Ion Ratio Lower Upper
127 100
129 105.0 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

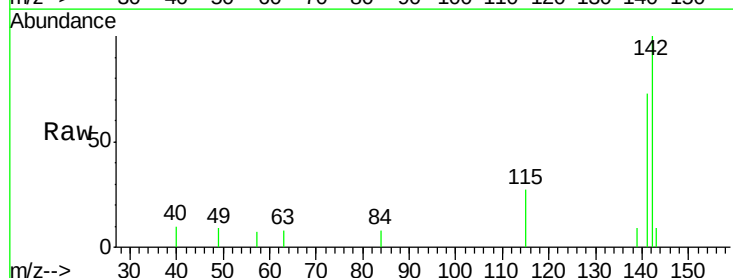


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

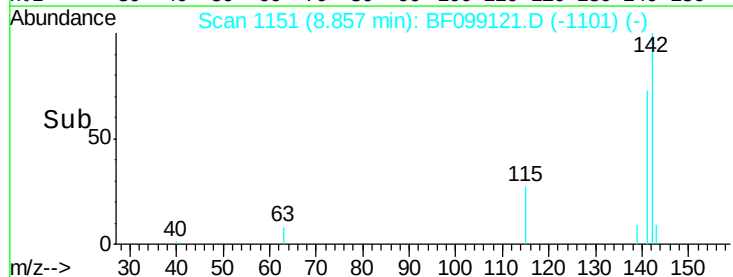
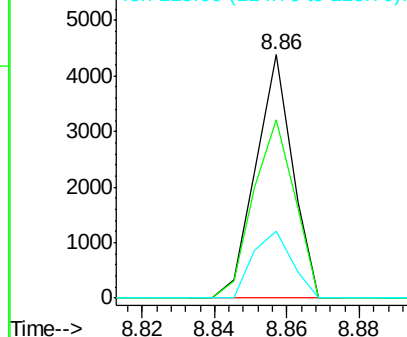


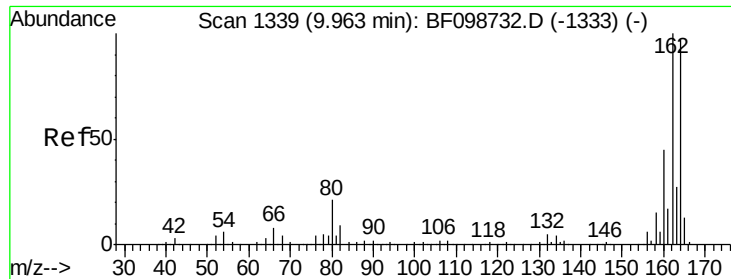
#37
2-Methylnaphthalene
Concen: 0.19 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:142 Resp: 3081
Ion Ratio Lower Upper
142 100
141 73.0 70.8 106.2
115 27.4 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

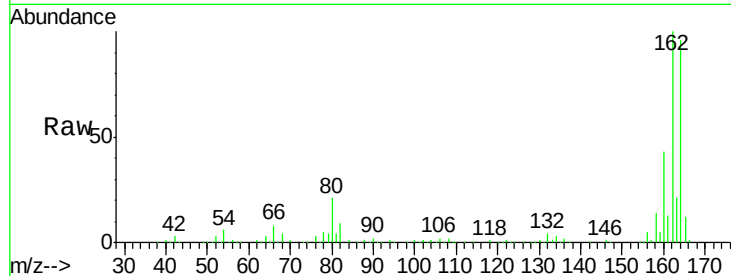




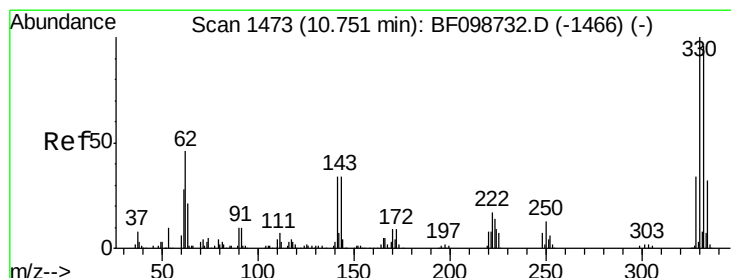
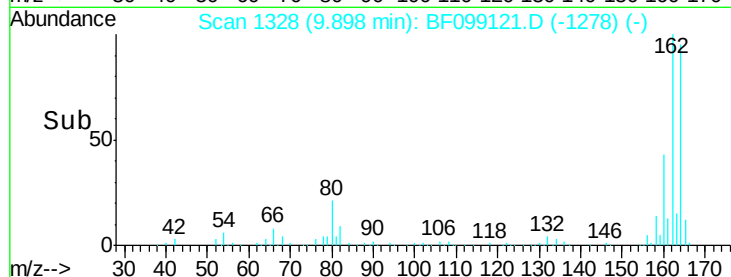
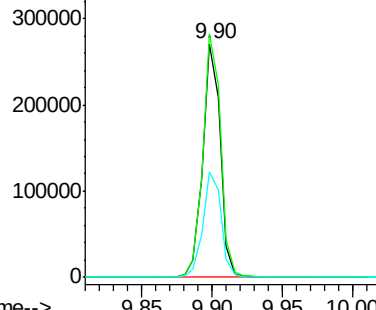
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 234021
 Ion Ratio Lower Upper
 164 100
 162 104.1 86.1 129.1
 160 44.9 38.3 57.5

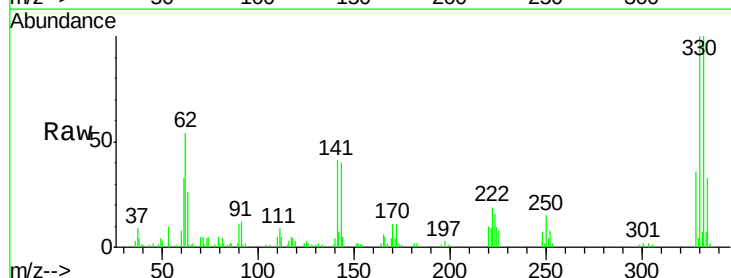


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

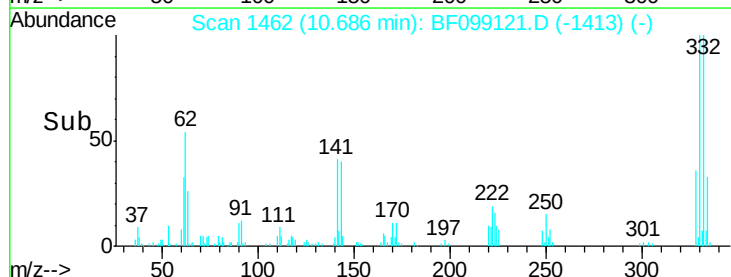
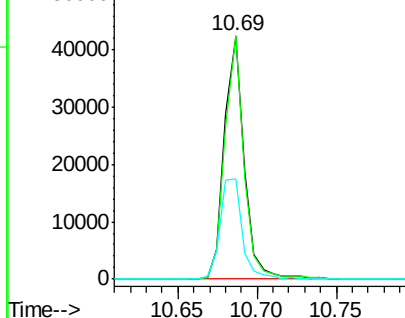


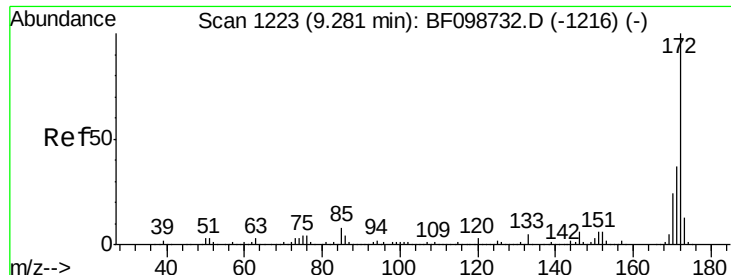
#41
 2,4,6-Tribromophenol
 Concen: 19.27 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Tgt Ion:330 Resp: 36901
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 45.6 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

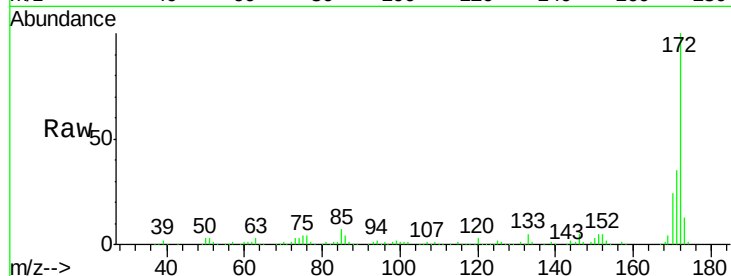




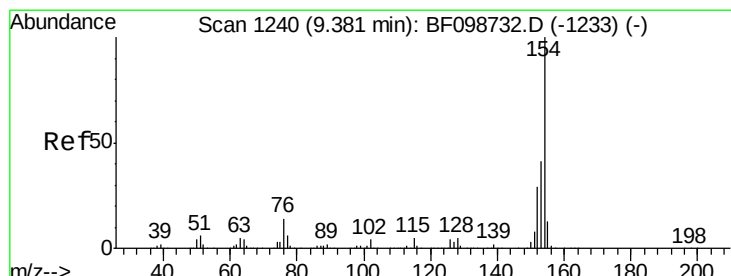
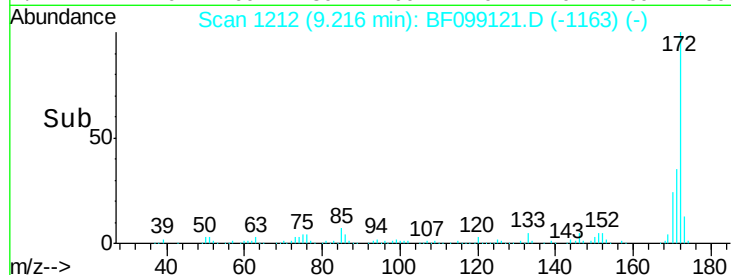
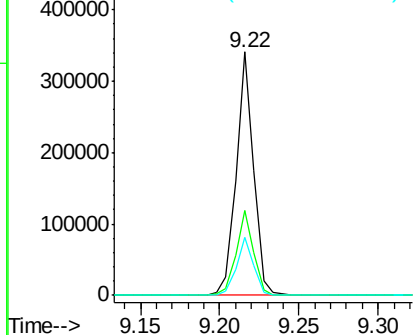
#44
 2-Fluorobiphenyl
 Concen: 18.55 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 260023
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 24.0 19.6 29.4

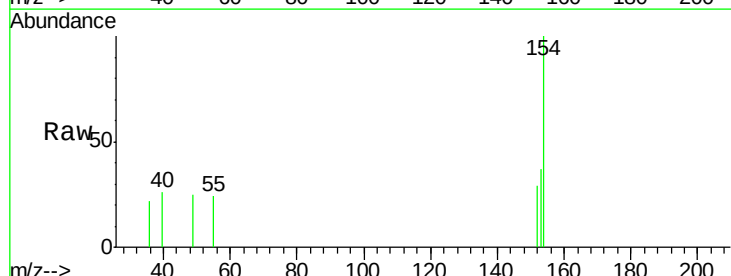


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

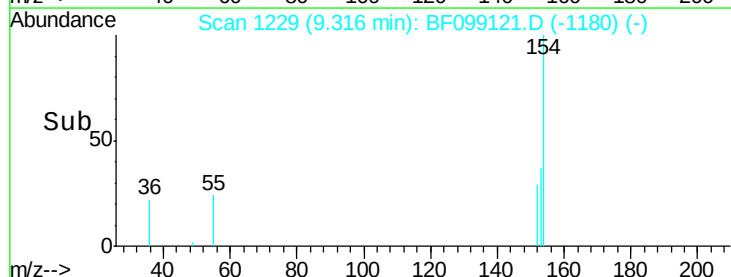
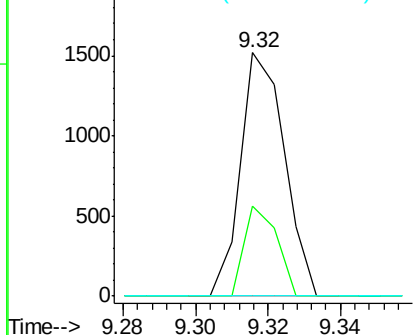


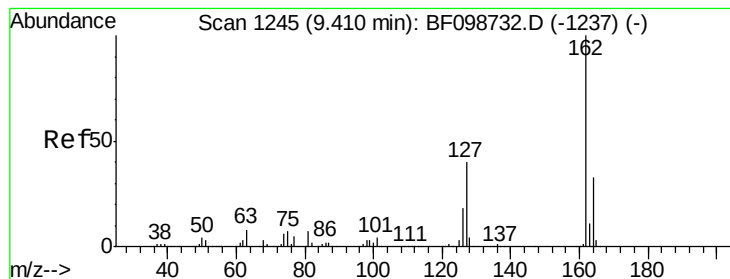
#45
 1,1'-Biphenyl
 Concen: 0.06 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Tgt Ion:154 Resp: 1276
 Ion Ratio Lower Upper
 154 100
 153 36.9 21.3 61.3
 76 0.0 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): BF0





#46

2-Chloronaphthalene

Concen: 0.01 ng

RT: 9.61 min Scan# 1279

Delta R.T. 0.25 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

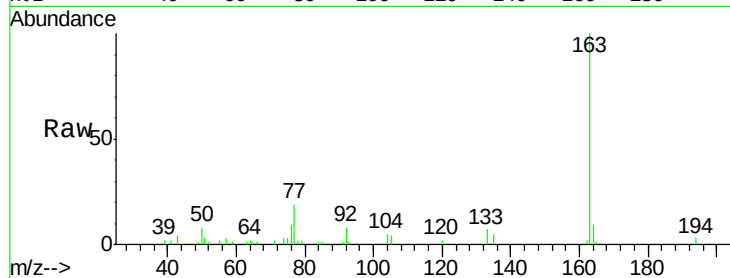
Tot Ion:162 Resp: 178

Ion Ratio Lower Upper

162 100

127 0.0 33.9 50.9#

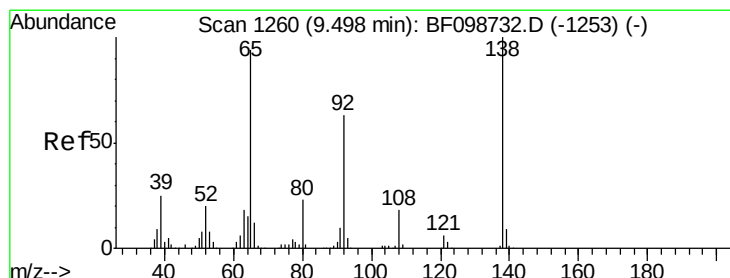
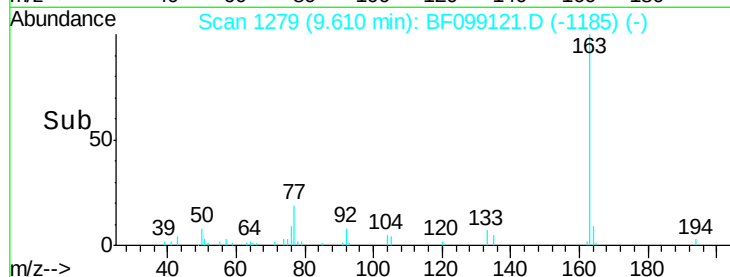
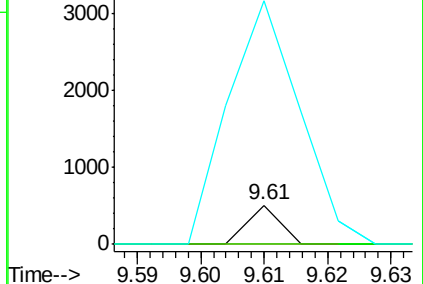
164 625.9 26.5 39.7#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#47

2-Nitroaniline

Concen: 0.02 ng

RT: 9.61 min Scan# 1279

Delta R.T. 0.16 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

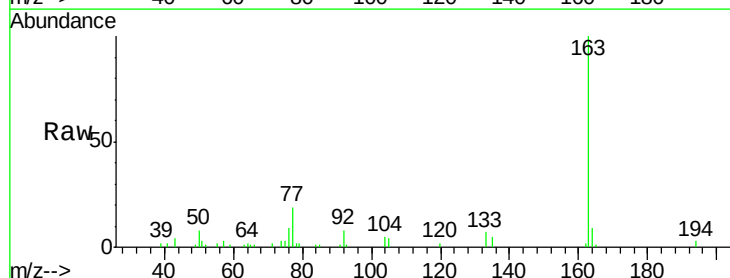
Tgt Ion: 65 Resp: 109

Ion Ratio Lower Upper

65 100

92 853.6 55.8 83.6#

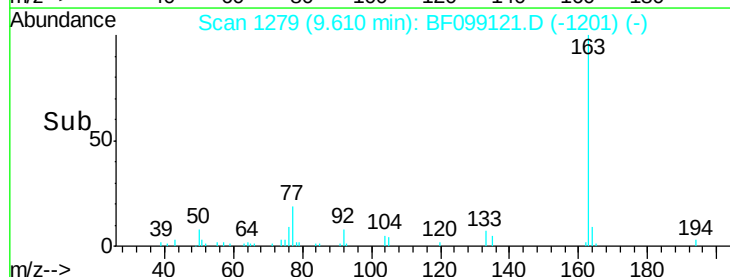
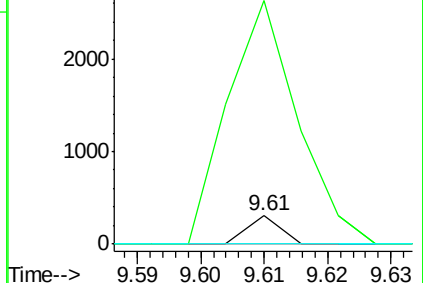
138 0.0 91.2 136.8#

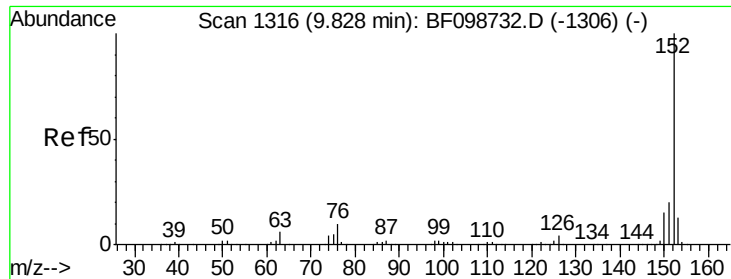


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.43 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

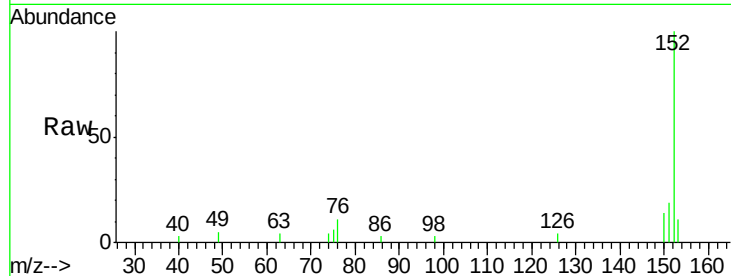
Tot Ion:152 Resp: 9857

Ion Ratio Lower Upper

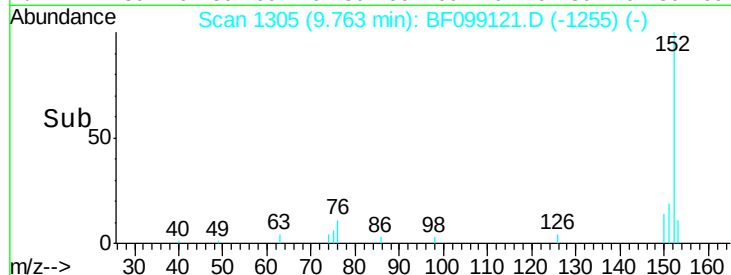
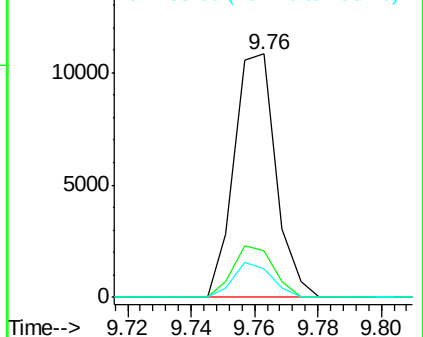
152 100

151 19.1 16.3 24.5

153 11.5 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



#49

Dimethylphthalate

Concen: 1.54 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.02 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

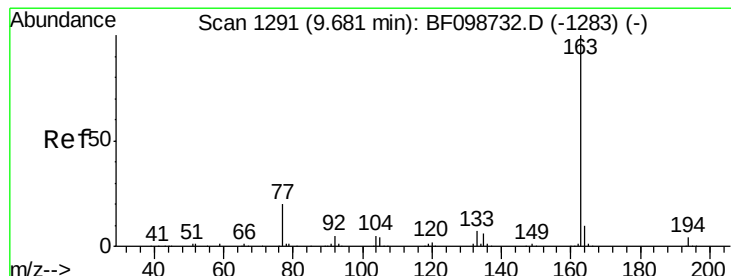
Tgt Ion:163 Resp: 27159

Ion Ratio Lower Upper

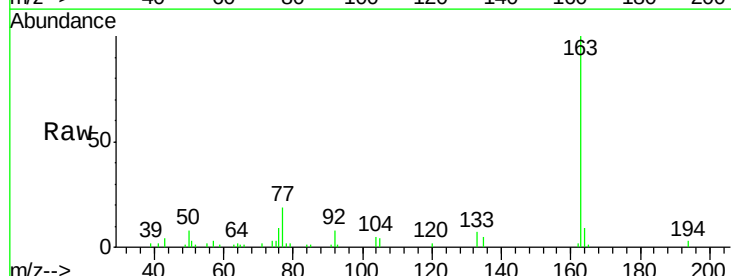
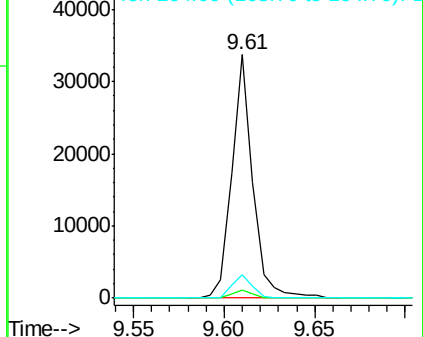
163 100

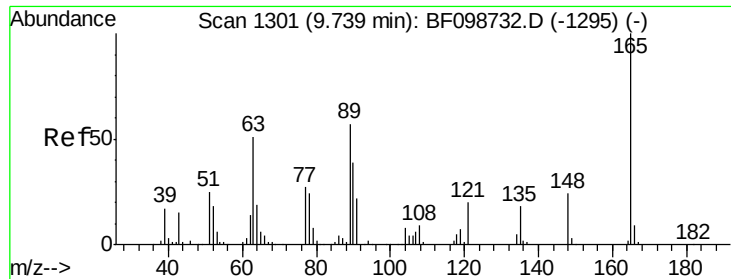
194 3.4 2.7 4.1

164 9.4 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

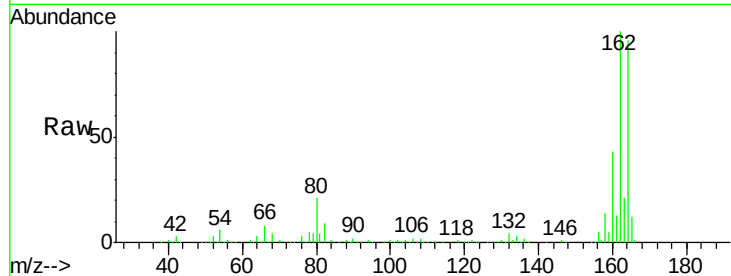




#50
 2,6-Dinitrotoluene
 Concen: 7.80 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Instrument :
 BNA_F
 ClientSampleId :

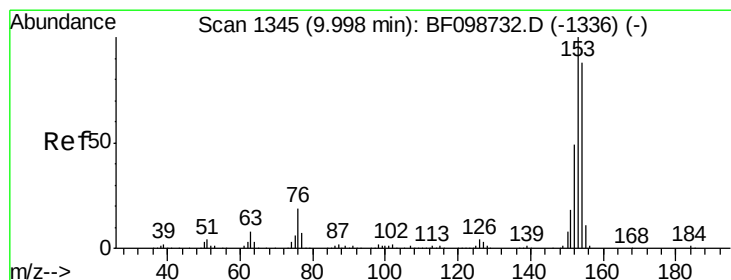
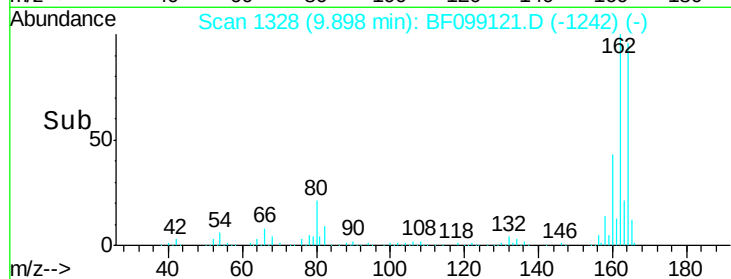
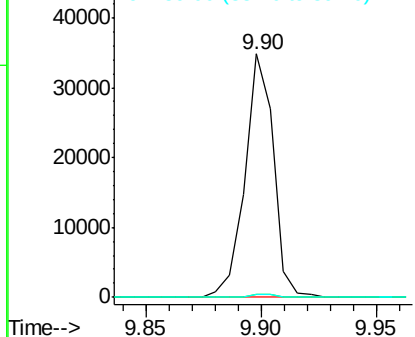
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

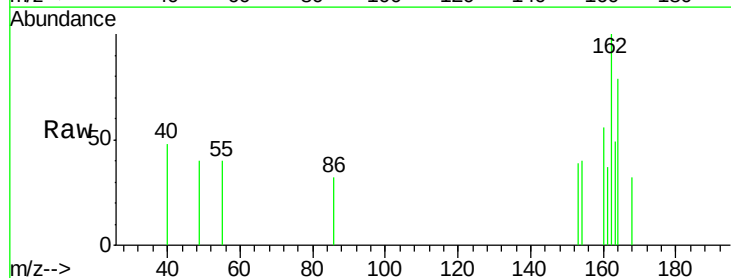
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51
 Acenaphthene
 Concen: 0.02 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

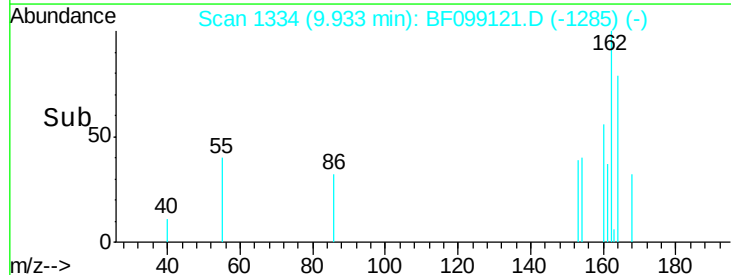
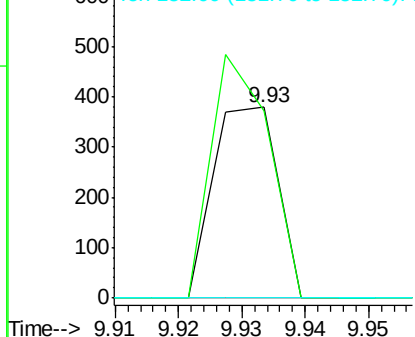
Tgt Ion	Ratio	Lower	Upper
154	100		
153	98.2	91.2	136.8
152	0.0	43.8	65.8#

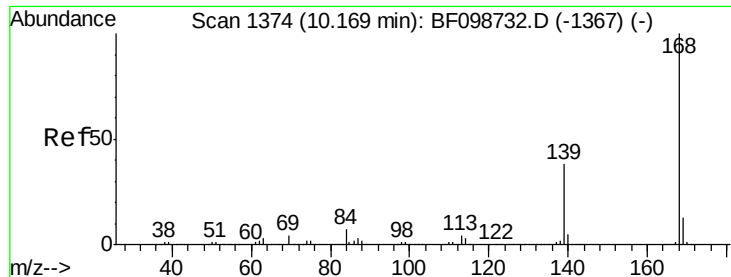


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 0.12 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

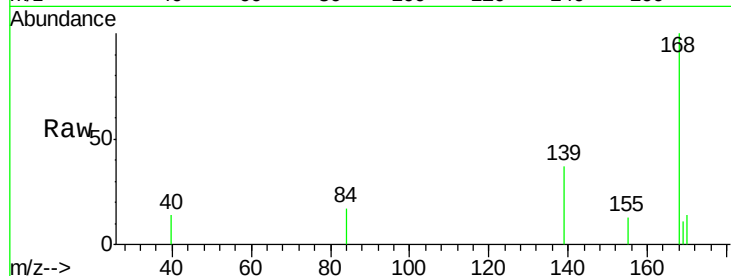
Tot Ion:168 Resp: 2437

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

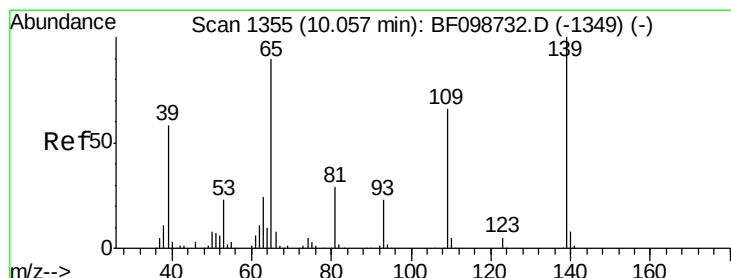
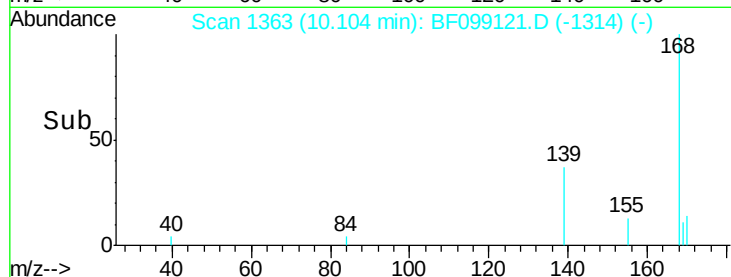
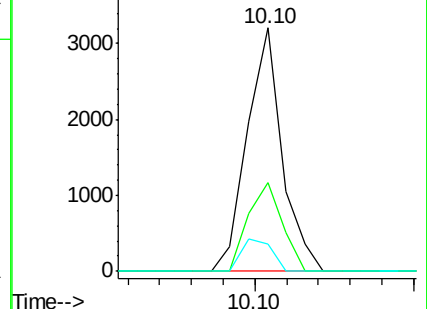
169 11.1 10.9 16.3



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: 0.23 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.08 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

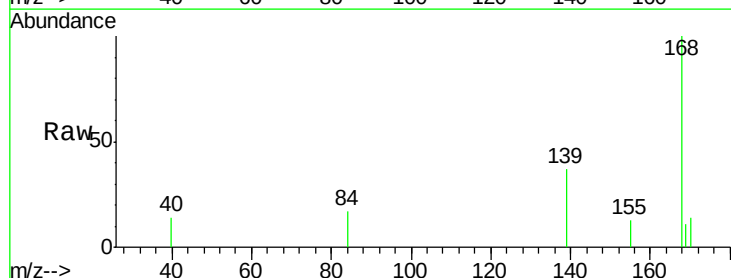
Tgt Ion:139 Resp: 868

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

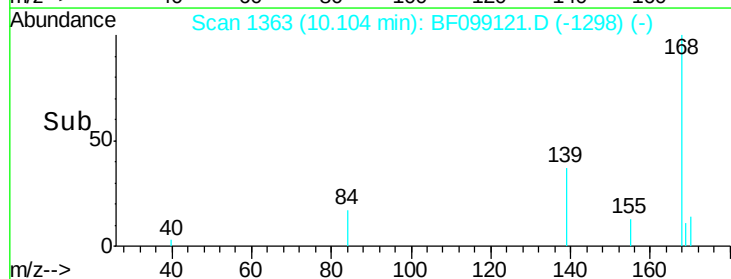
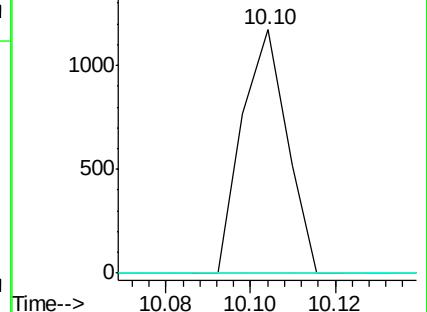
65 0.0 72.6 112.6#

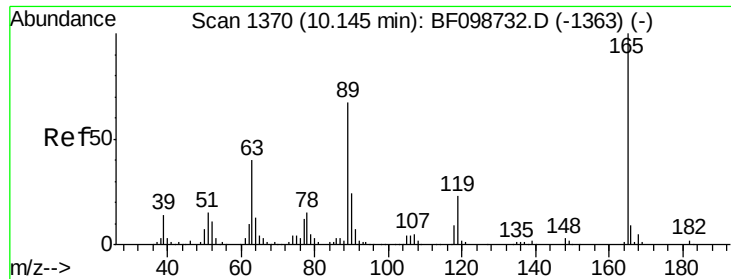


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

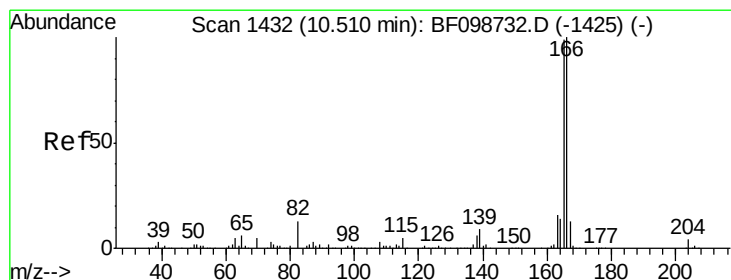
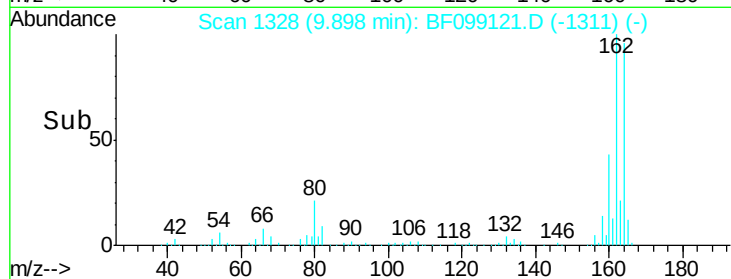
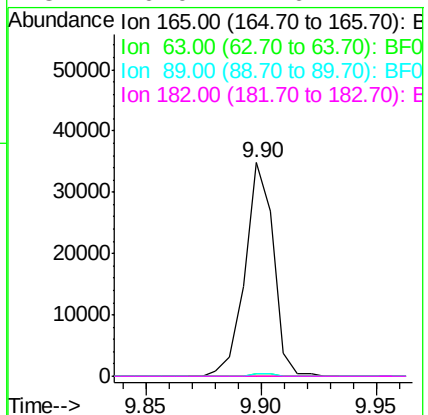
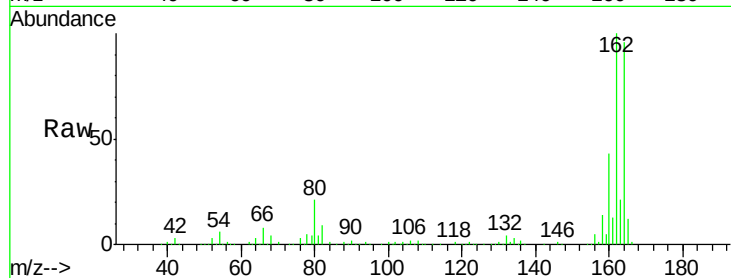




#56
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

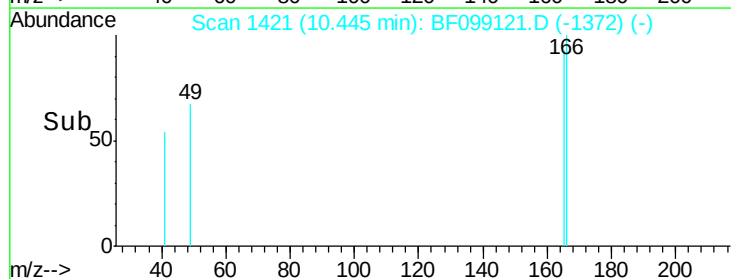
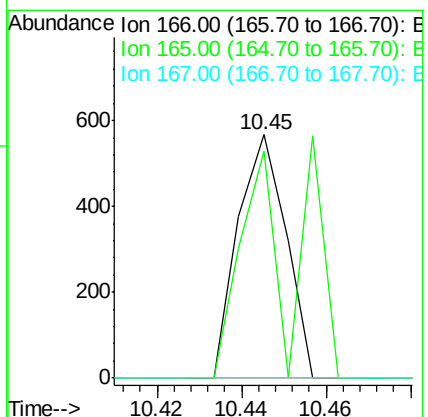
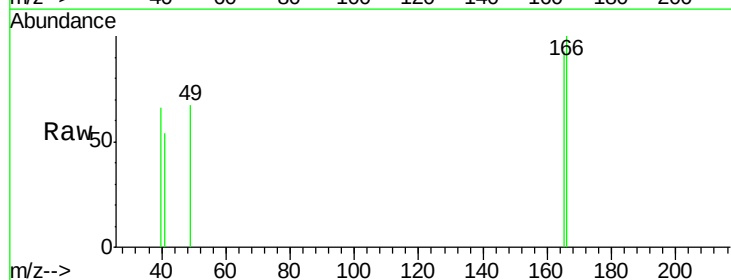
Instrument :
BNA_F
ClientSampleId :

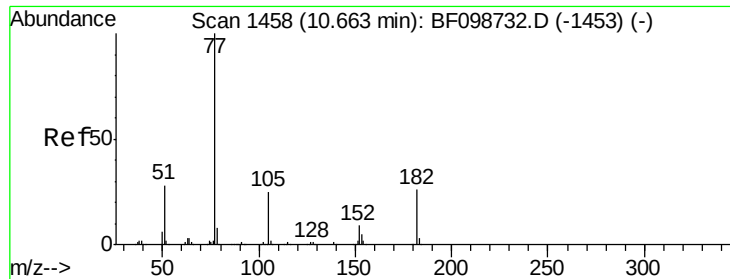
Tot Ion:	165	Resp:	29995
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 0.03 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:	166	Resp:	445
Ion	Ratio	Lower	Upper
166	100		
165	93.3	79.8	119.8
167	0.0	10.6	16.0#

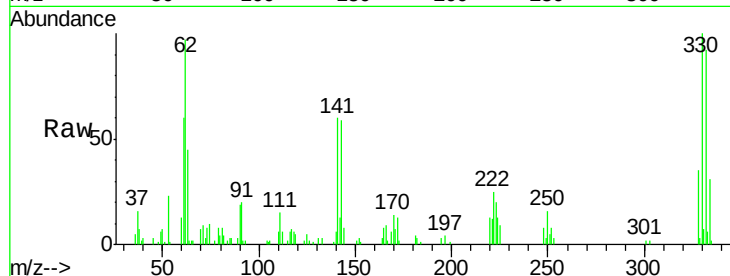




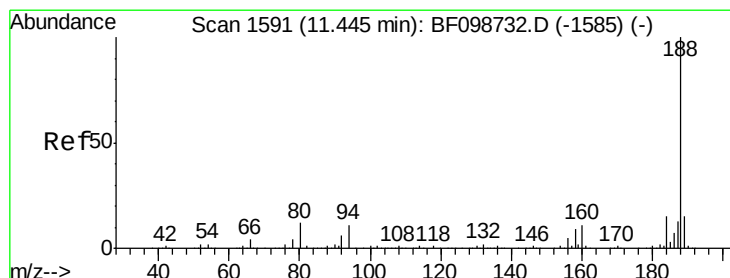
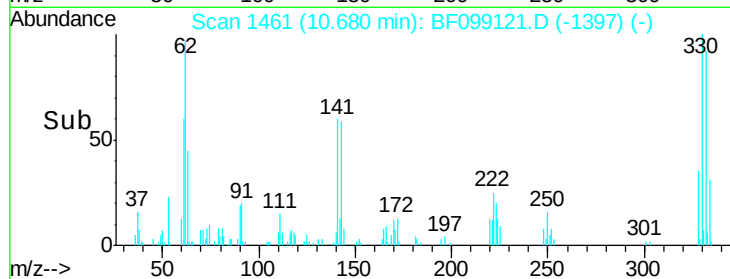
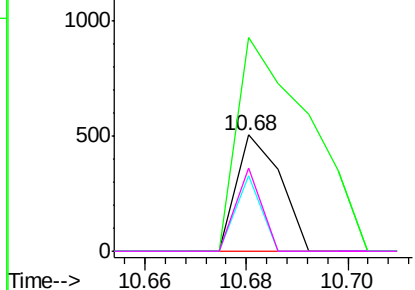
#62
Azobenzene
Concen: 0.02 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.08 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 302
Ion Ratio Lower Upper
77 100
182 184.3 1.7 41.7#
105 64.9 3.0 43.0#
51 72.3 9.9 49.9#

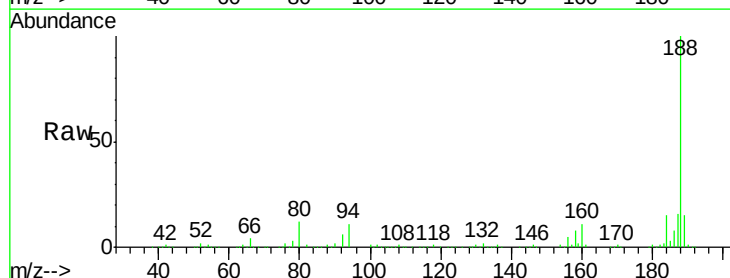


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

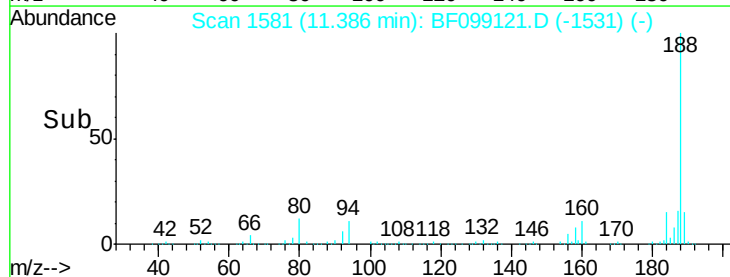
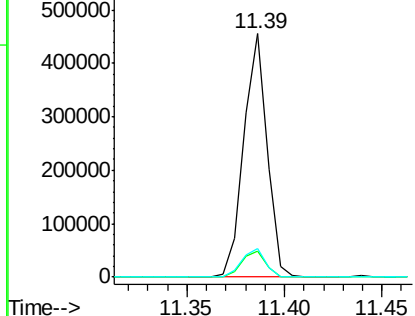


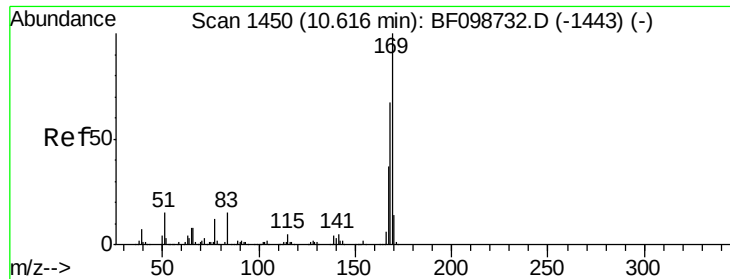
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion: 188 Resp: 377826
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.9 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

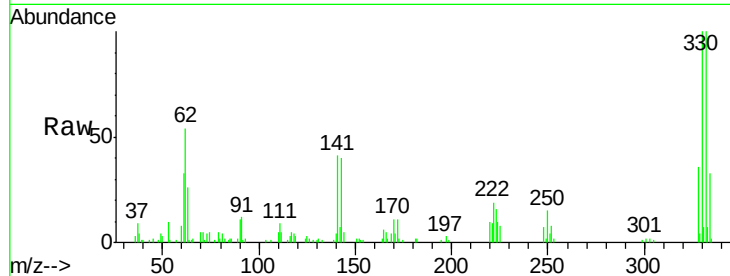




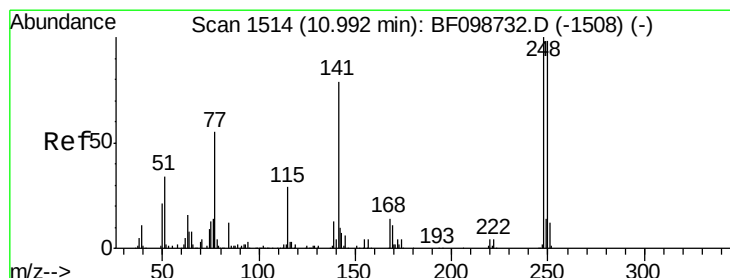
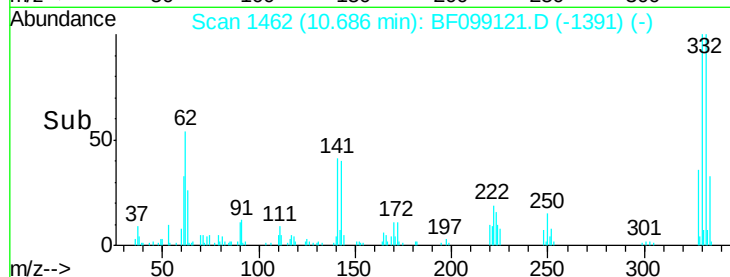
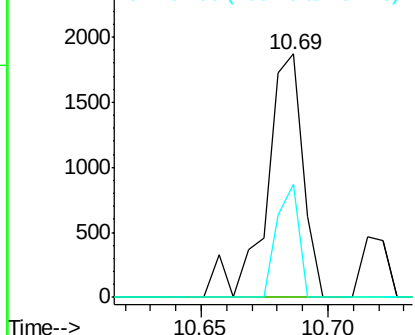
#65
 n-Nitrosodiphenylamine
 Concen: 0.14 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.12 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:169 Resp: 1895
 Ion Ratio Lower Upper
 169 100
 168 0.0 54.4 81.6#
 167 46.2 29.8 44.6#

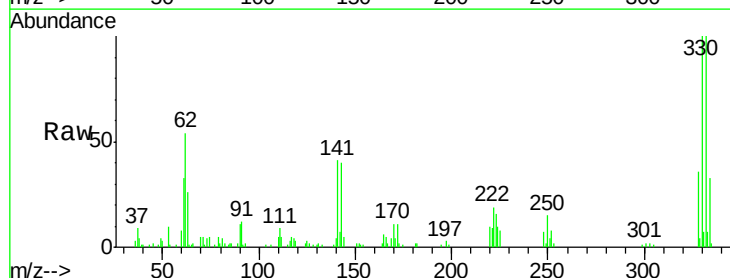


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

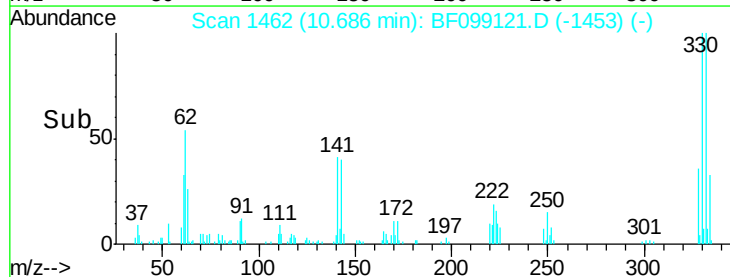
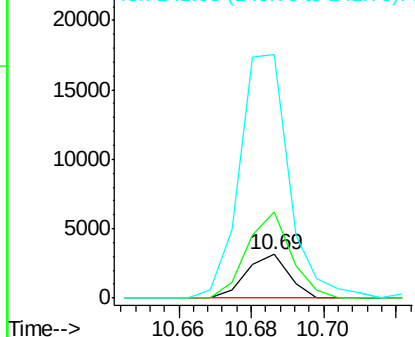


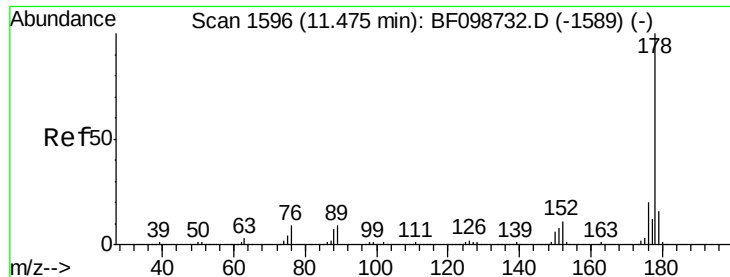
#66
 4-Bromophenyl-phenylether
 Concen: 0.68 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.25 min
 Lab File: BF099121.D
 Acq: 5 Oct 2017 23:34

Tgt Ion:248 Resp: 2531
 Ion Ratio Lower Upper
 248 100
 250 199.5 76.9 115.3#
 141 561.0 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: 1.01 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

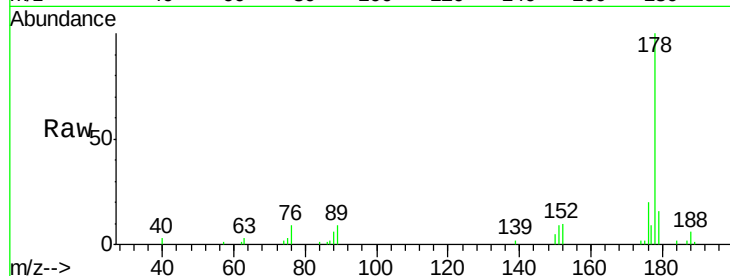
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 20498

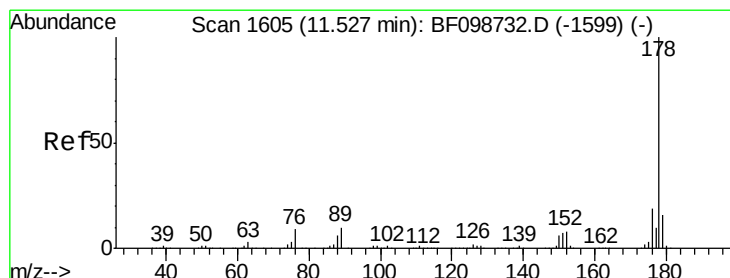
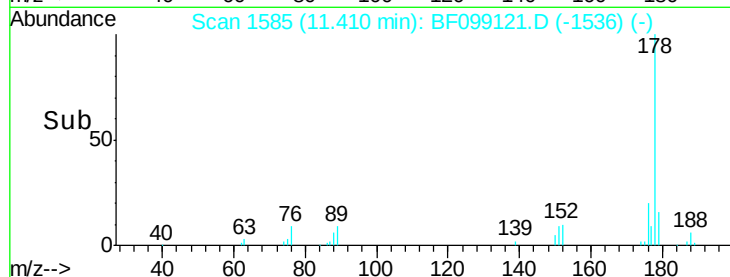
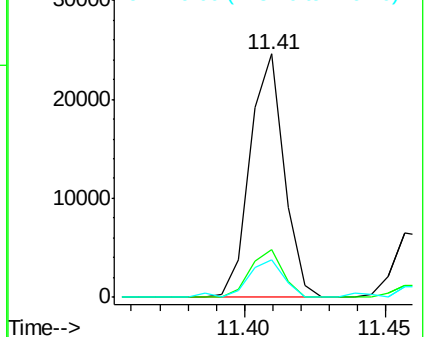
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.6	13.0	19.6



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: 0.30 ng

RT: 11.46 min Scan# 1593

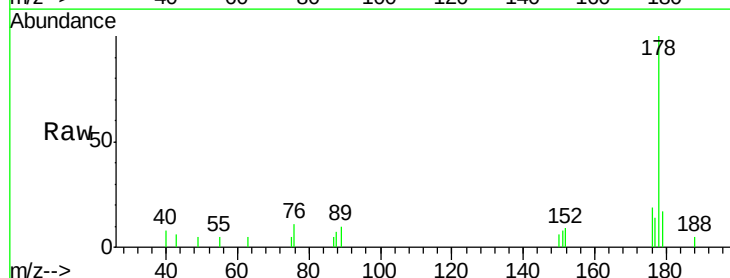
Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Tgt Ion:178 Resp: 6156

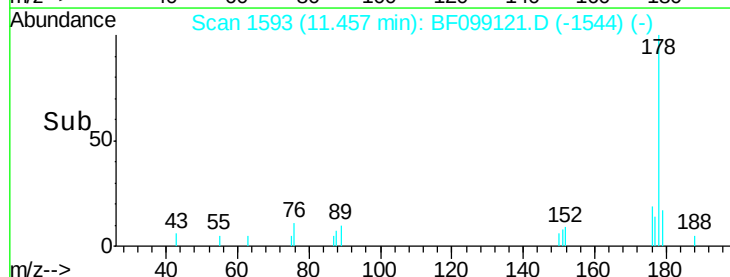
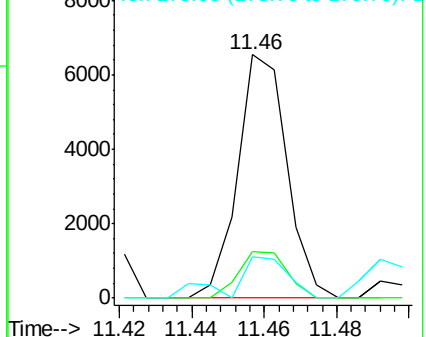
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.9	12.6	19.0

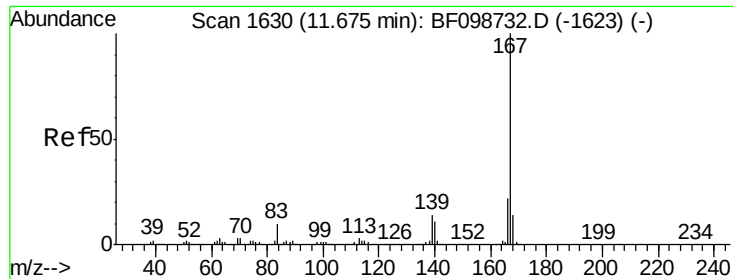


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.16 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampled :

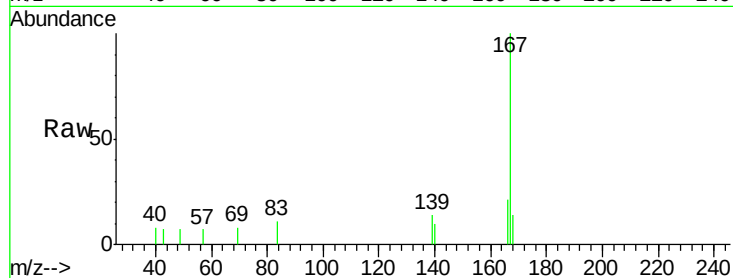
Tot Ion:167 Resp: 3219

Ion Ratio Lower Upper

167 100

166 21.1 17.6 26.4

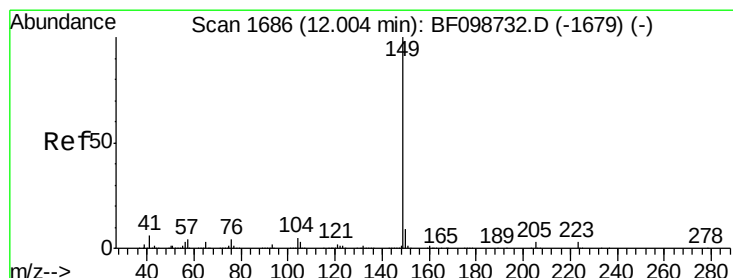
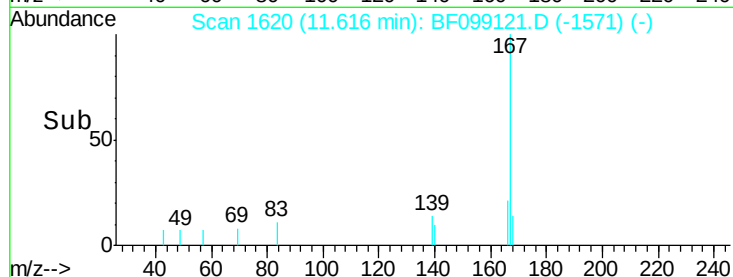
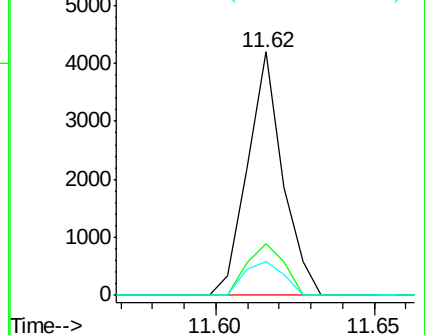
139 13.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.09 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

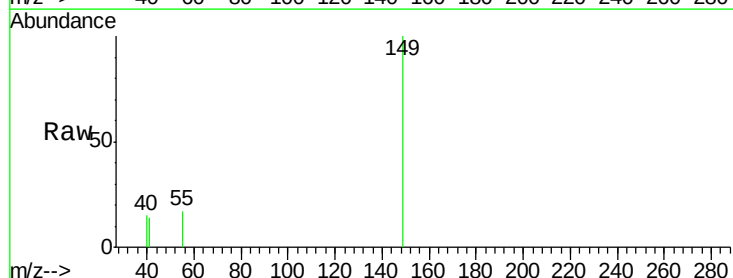
Tgt Ion:149 Resp: 2150

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

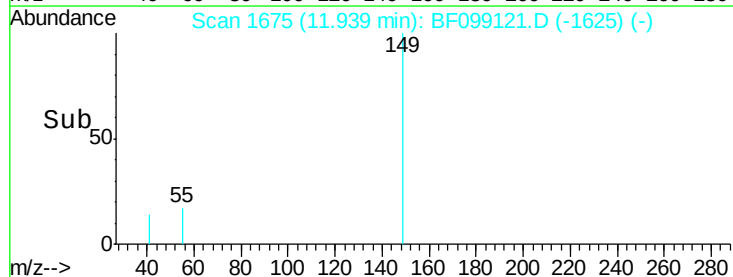
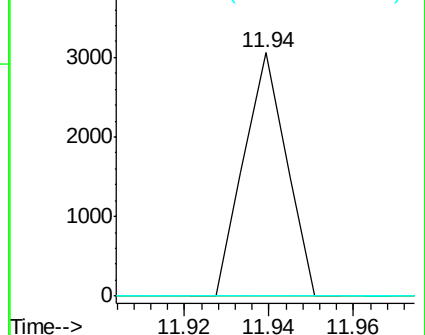
104 0.0 3.8 5.8#

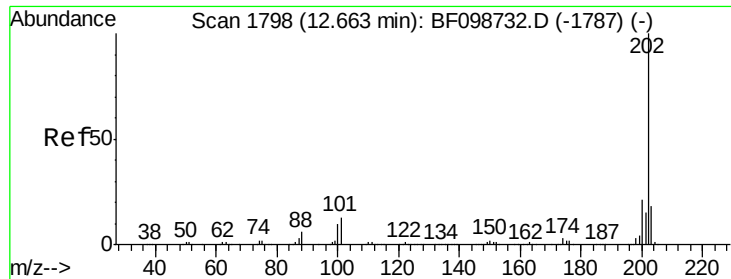


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 5.00 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF099121.D

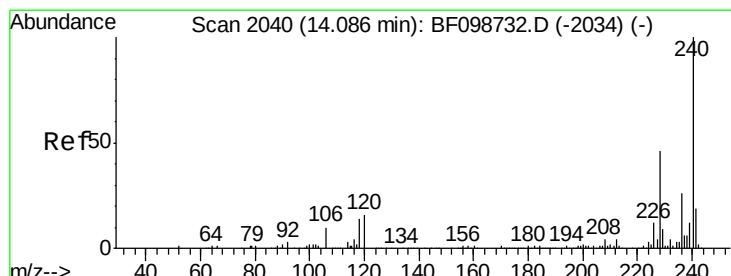
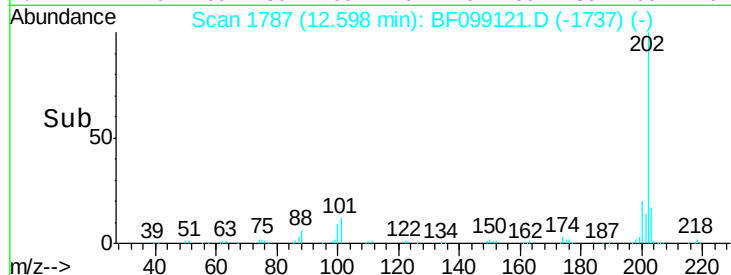
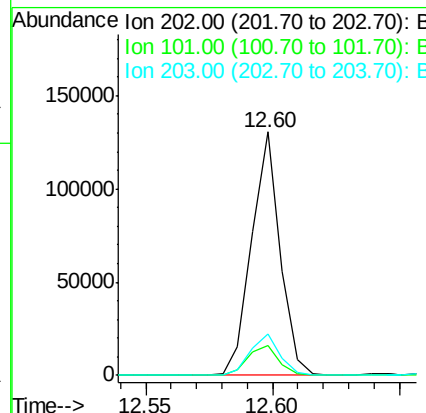
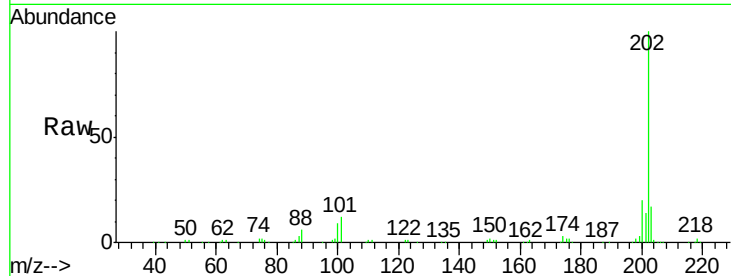
Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	102387
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.1	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

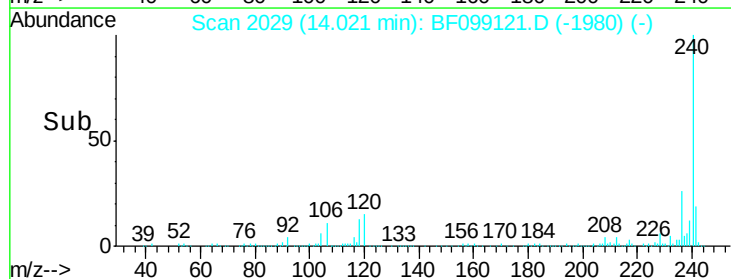
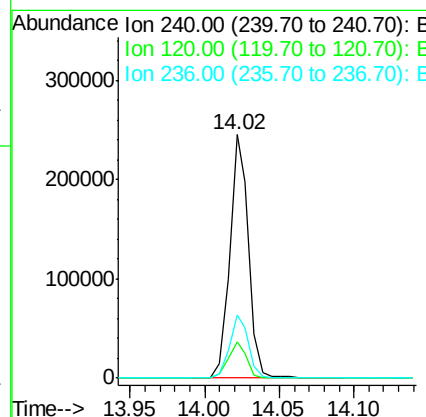
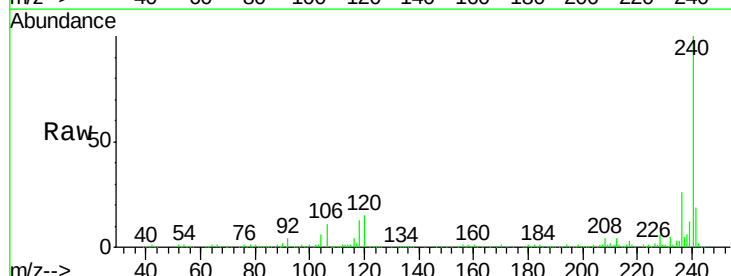
RT: 14.02 min Scan# 2029

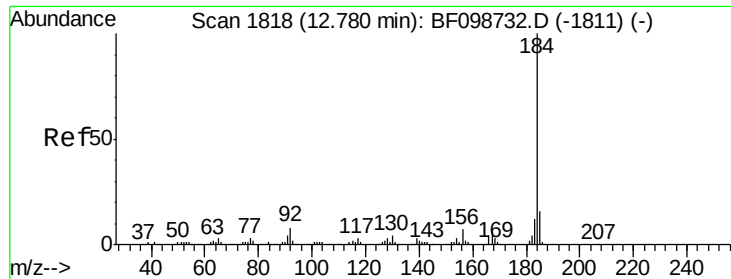
Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Tgt Ion:	240	Resp:	216422
Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	25.8	20.7	31.1





#76

Benzidine

Concen: 0.29 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.24 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

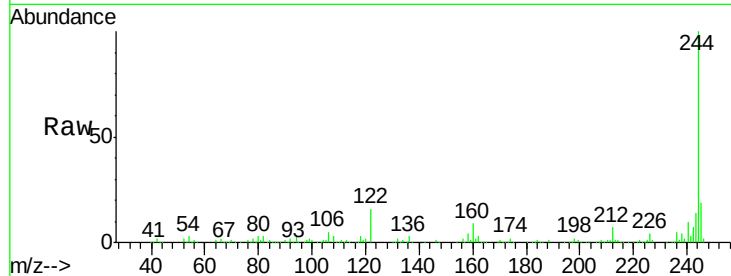
Tot Ion:184 Resp: 2341

Ion Ratio Lower Upper

184 100

185 21.7 12.6 18.8#

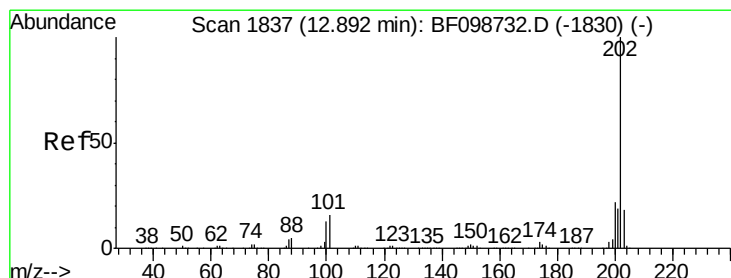
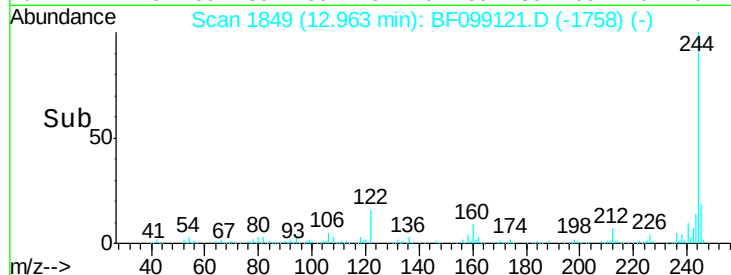
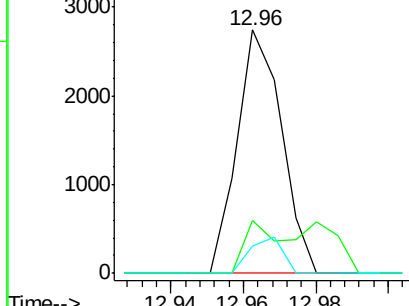
183 11.0 9.3 13.9



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

Pyrene

Concen: 4.71 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

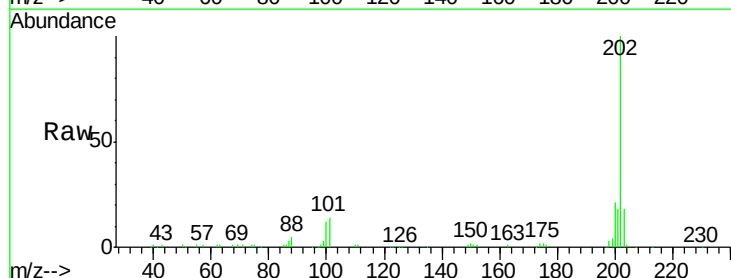
Tgt Ion:202 Resp: 77666

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

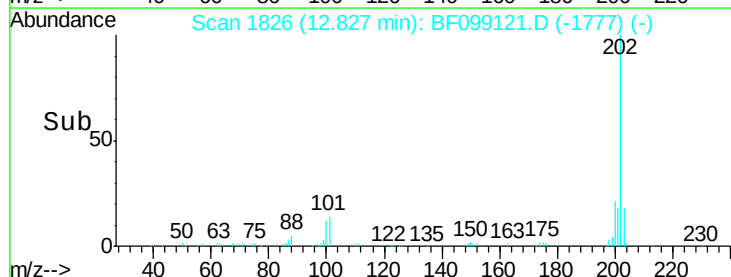
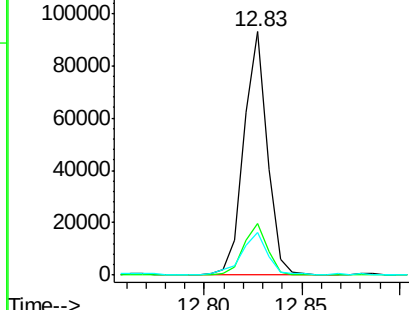
203 17.6 14.3 21.5

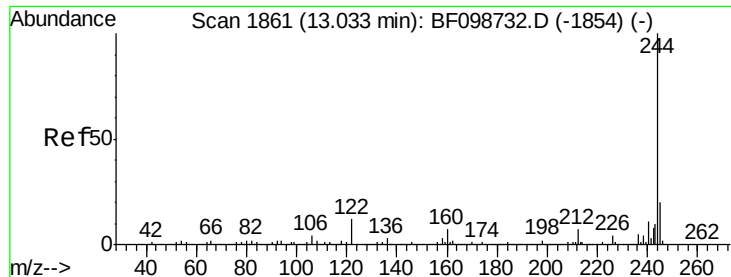


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.74 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

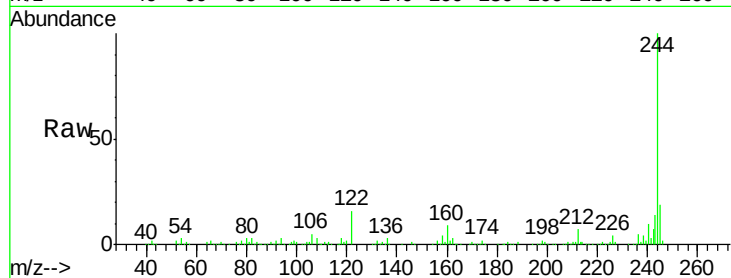
Tot Ion:244 Resp: 168840

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

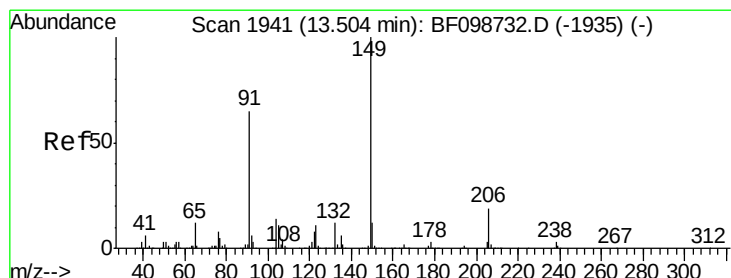
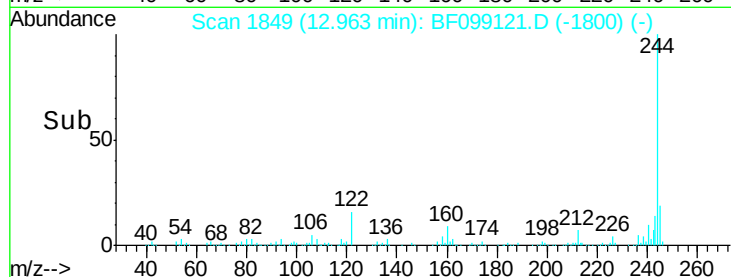
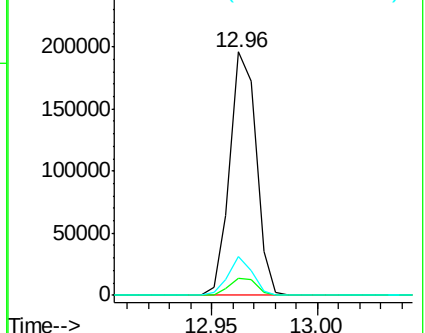
122 16.1 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 13.49 min Scan# 1938

Delta R.T. 0.04 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

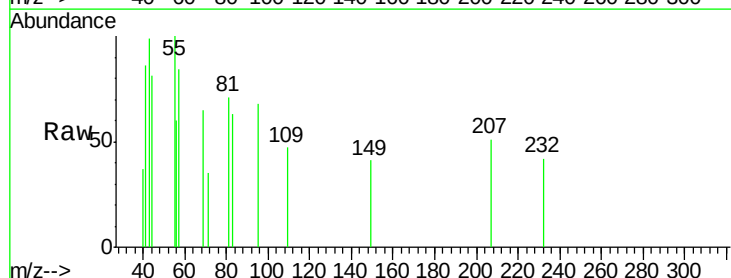
Tgt Ion:149 Resp: 123

Ion Ratio Lower Upper

149 100

91 0.0 56.8 85.2#

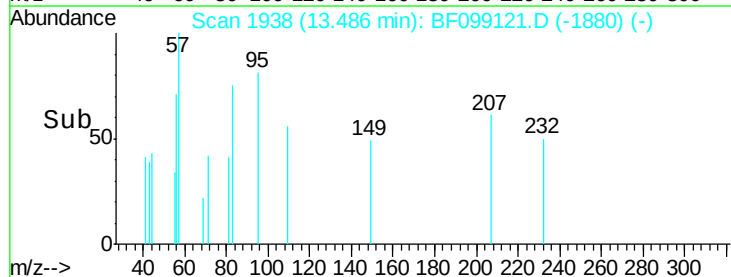
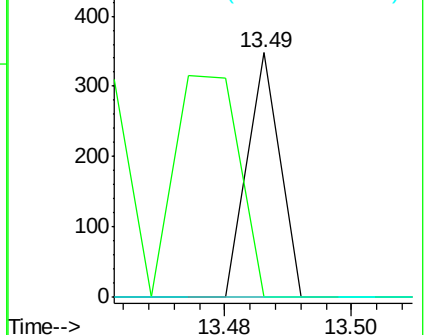
206 0.0 14.1 21.1#

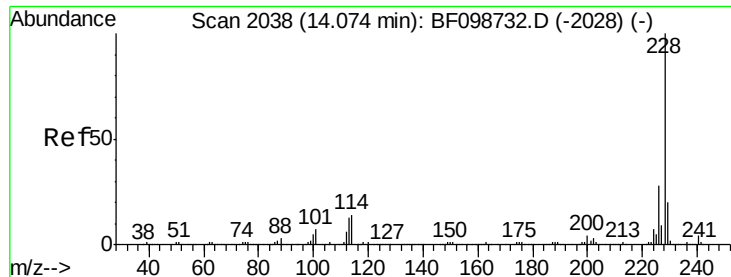


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

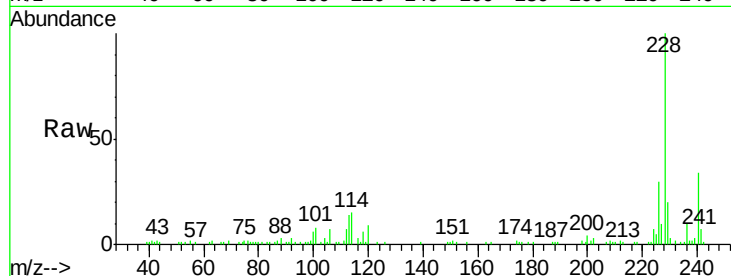




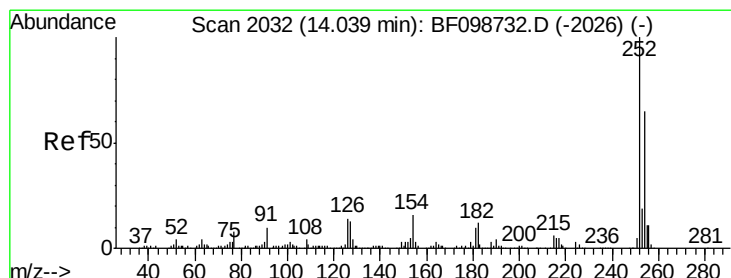
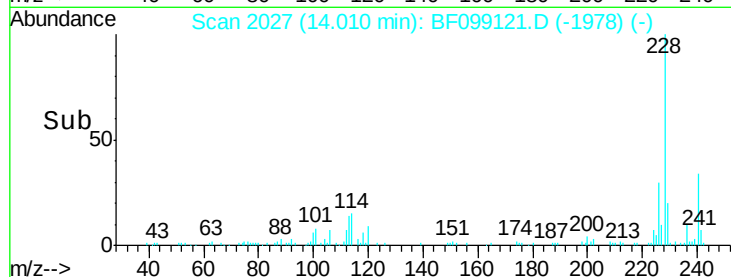
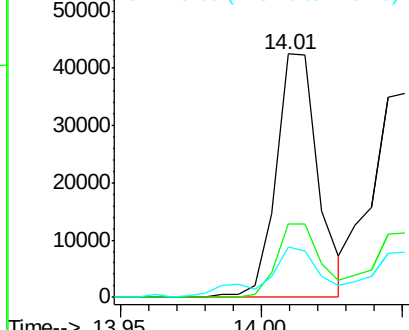
#80
Benzo(a)anthracene
Concen: 3.37 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 44117
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 20.5 15.8 23.6

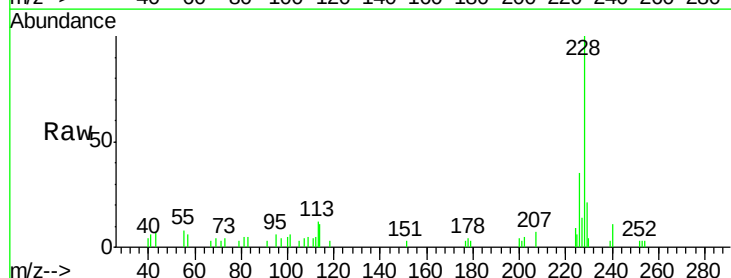


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

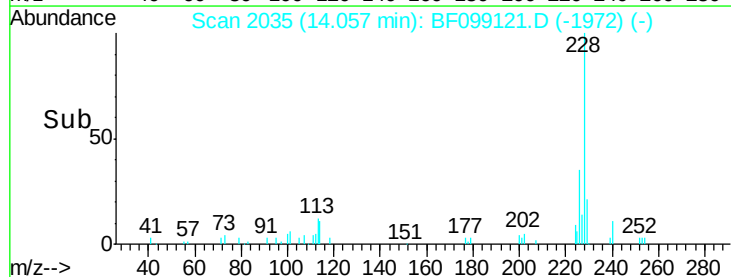
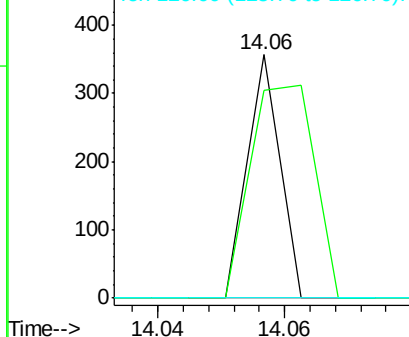


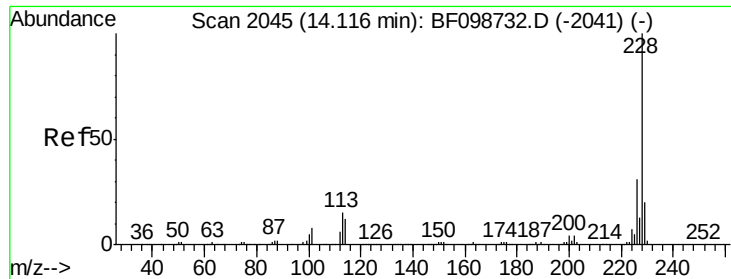
#81
3,3'-Dichlorobenzidine
Concen: 0.03 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.07 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:252 Resp: 126
Ion Ratio Lower Upper
252 100
254 85.2 50.4 75.6#
126 0.0 11.3 16.9#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

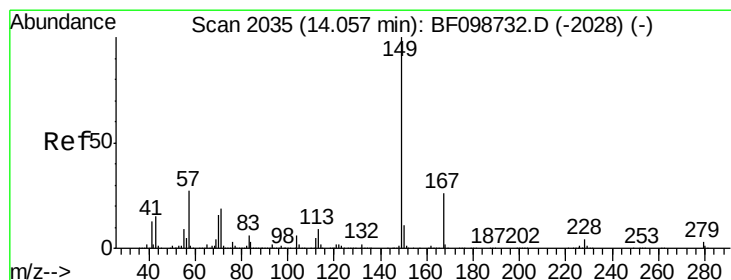
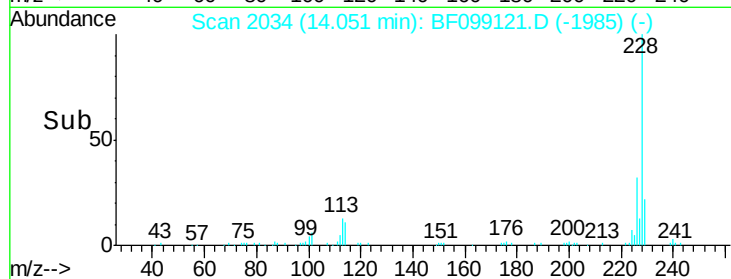
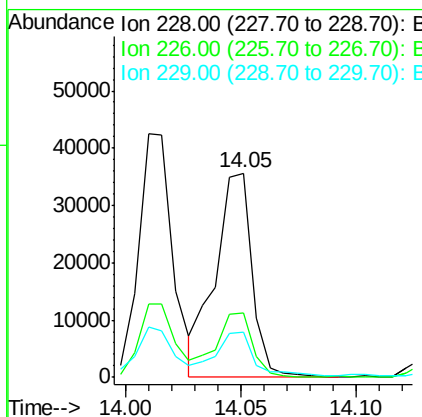
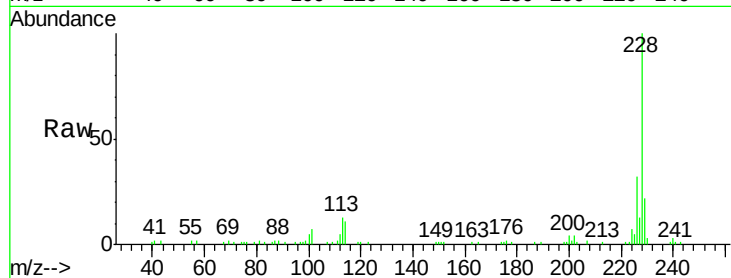




#82
Chrysene
Concen: 3.19 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

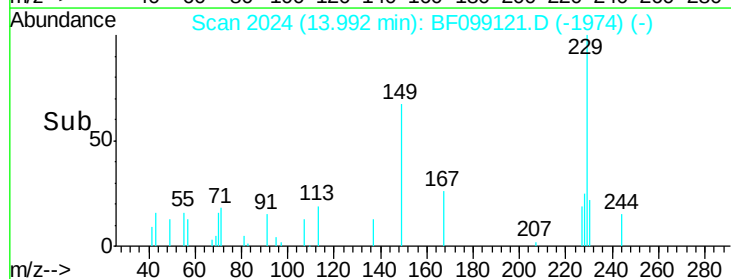
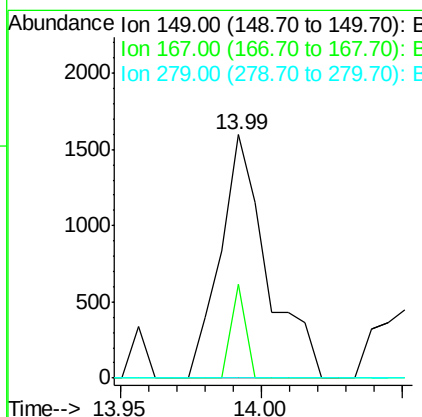
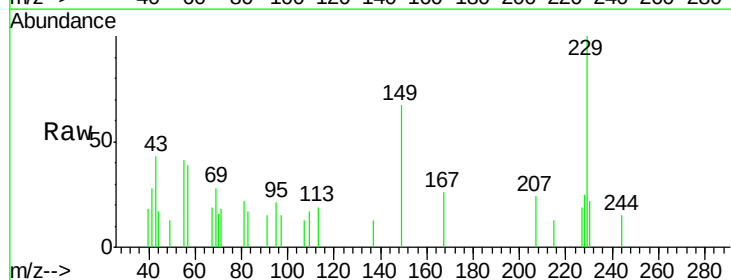
Instrument :
BNA_F
ClientSampled :

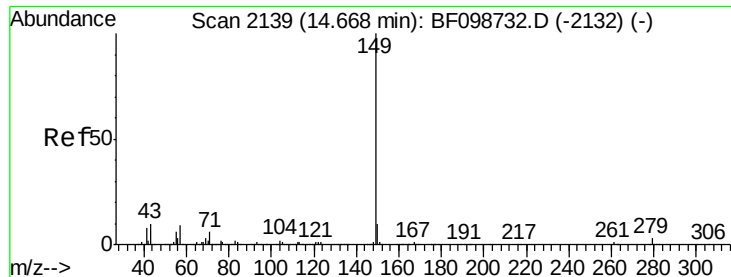
Tot Ion:228 Resp: 39748
Ion Ratio Lower Upper
228 100
226 31.7 25.0 37.6
229 22.4 16.2 24.4



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.17 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:149 Resp: 1838
Ion Ratio Lower Upper
149 100
167 38.5 21.3 31.9#
279 0.0 3.0 4.4#

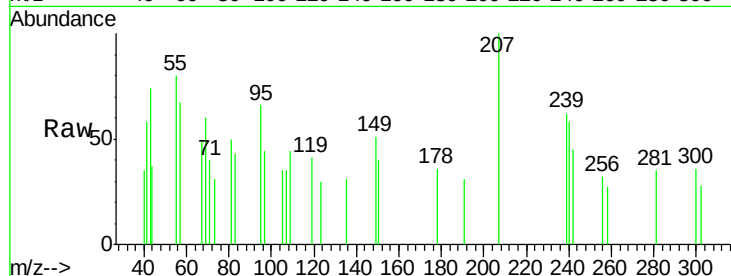




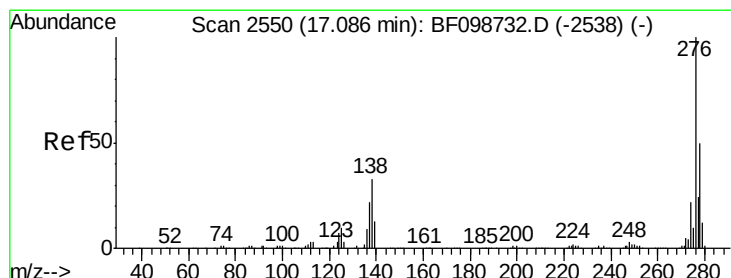
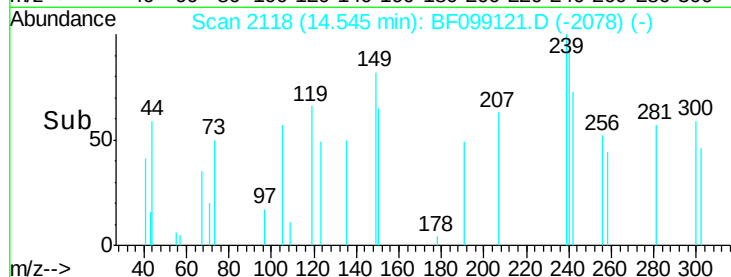
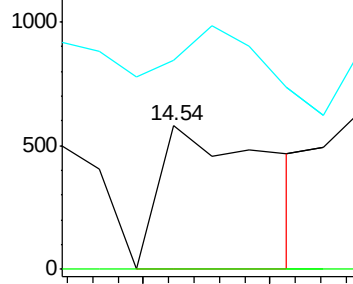
#84
Di-n-octyl phthalate
Concen: 0.04 ng
RT: 14.54 min Scan# 2118
Delta R.T. -0.06 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 701
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 49.1 8.4 12.6#

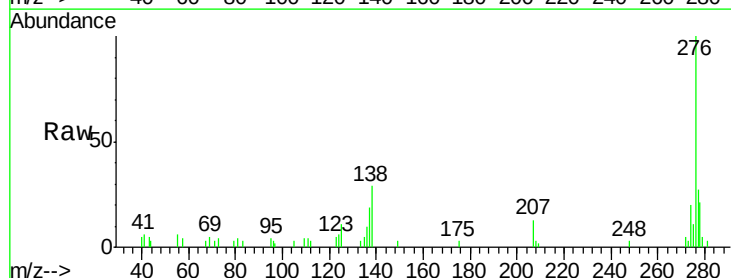


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

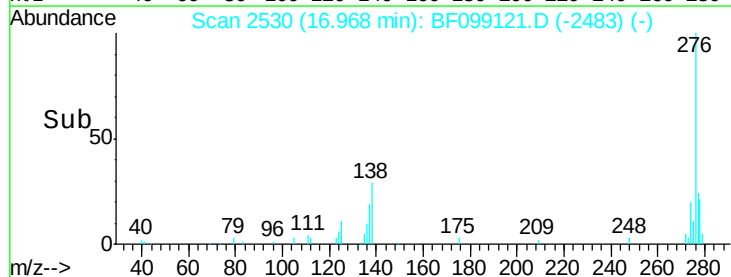
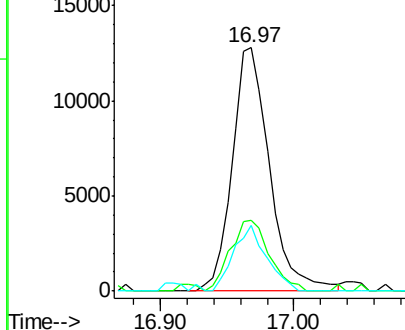


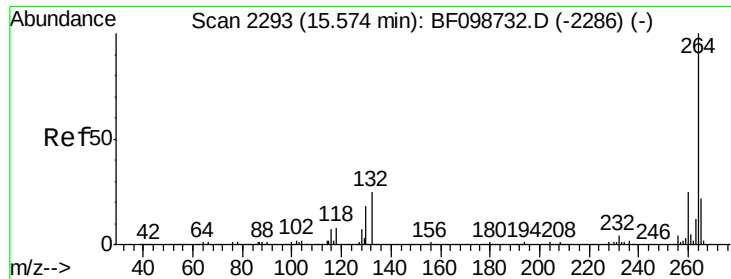
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.49 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:276 Resp: 24840
Ion Ratio Lower Upper
276 100
138 30.4 25.0 37.6
277 23.9 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



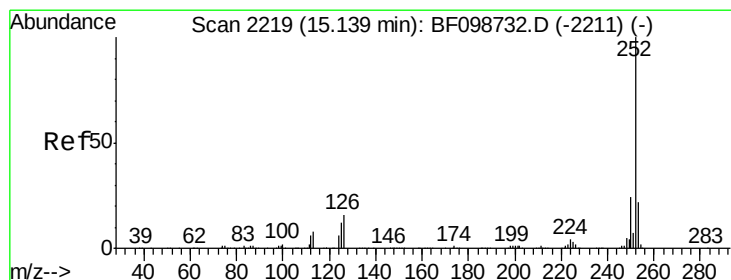
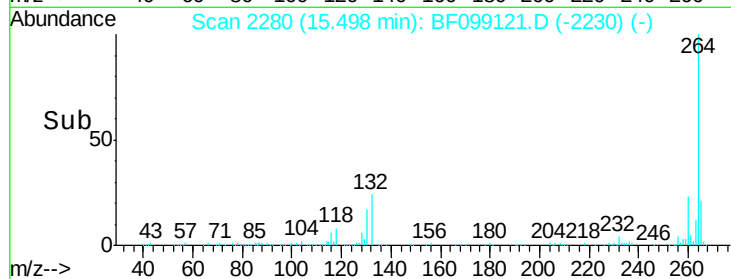
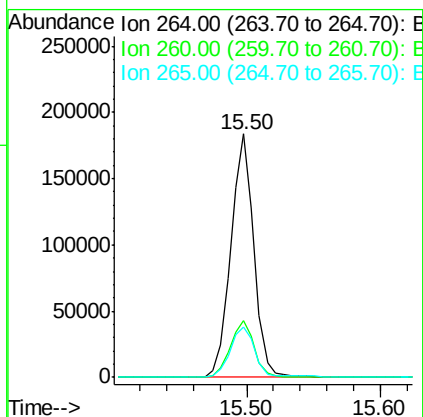
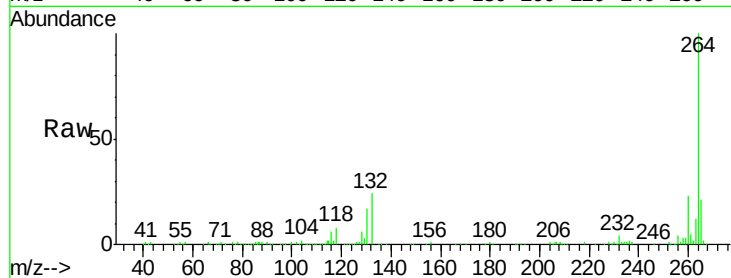


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 222365

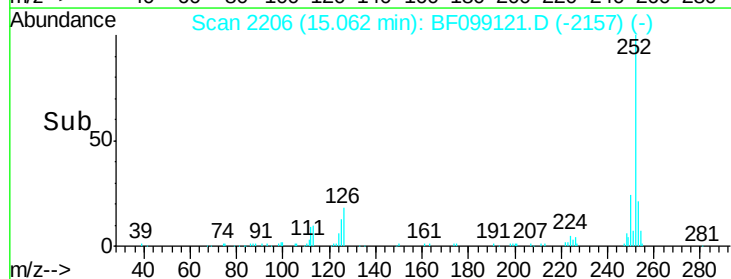
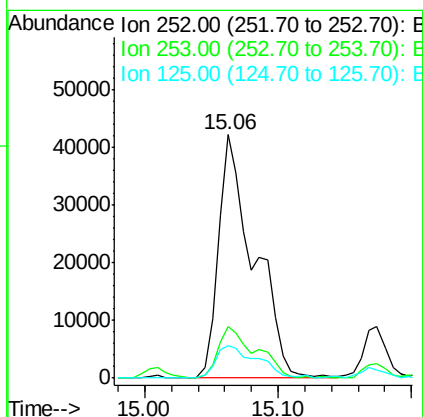
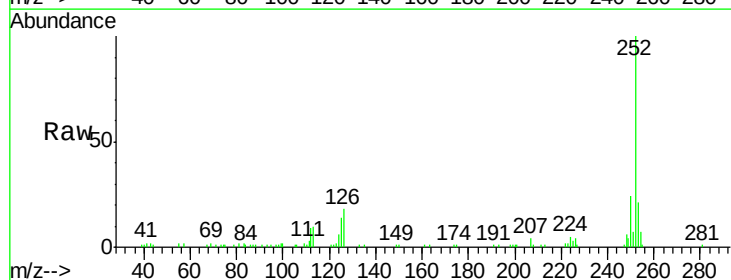
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.9	17.5	26.3

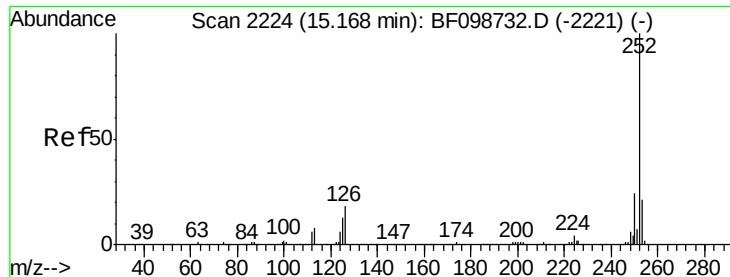


#87
Benzo(b)fluoranthene
Concen: 5.75 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:252 Resp: 78591

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	13.5	9.0	13.6

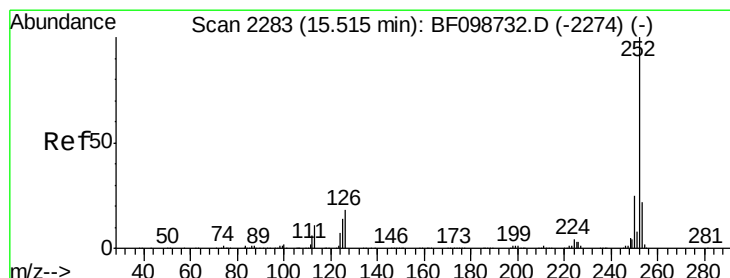
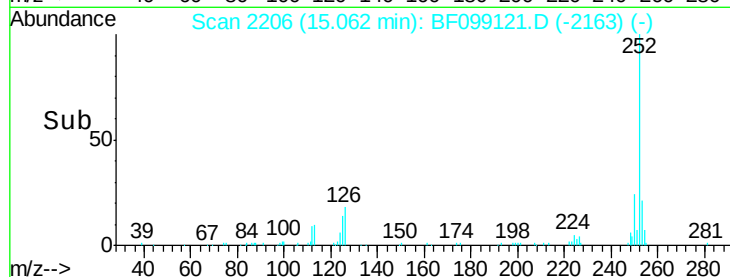
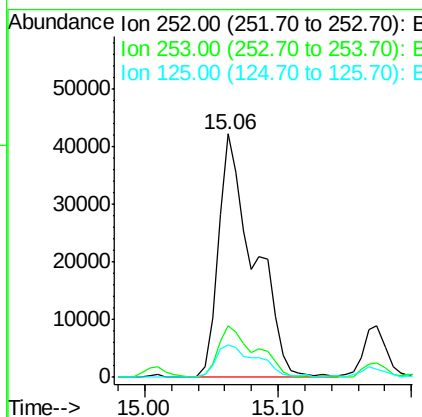
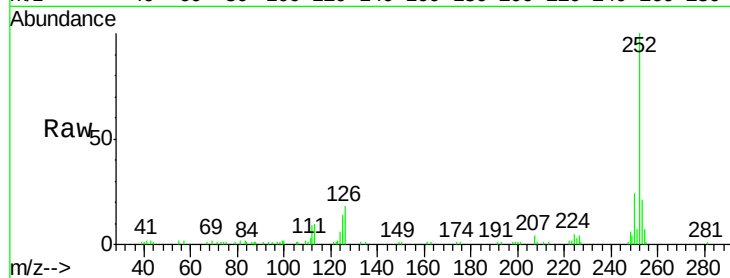




#88
Benzo(k)fluoranthene
Concen: 5.82 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

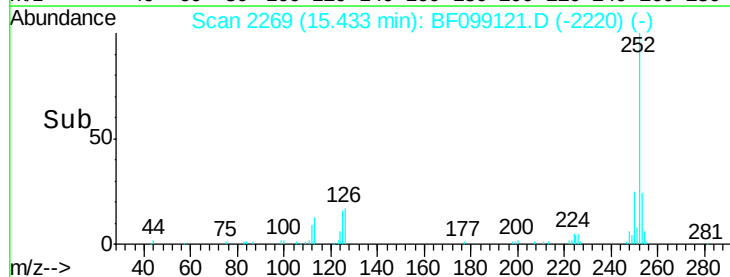
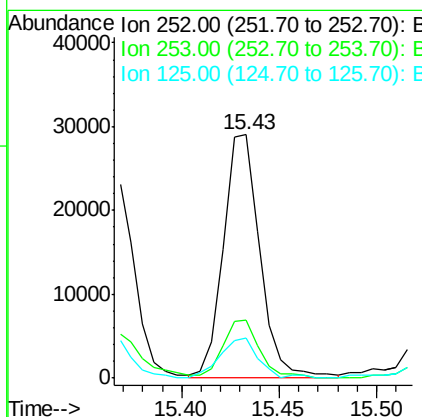
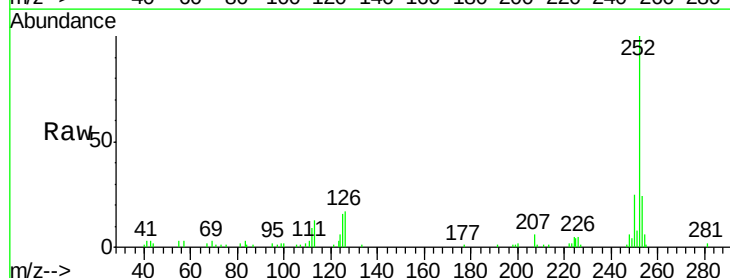
Instrument :
BNA_F
ClientSampled :

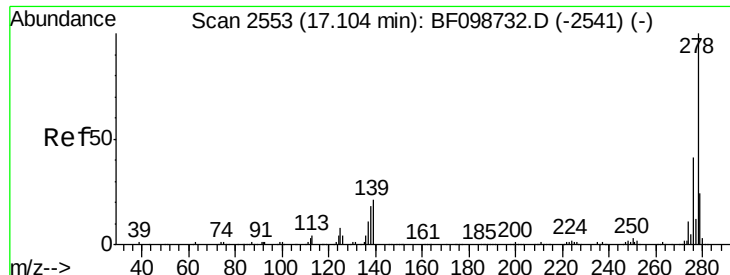
Tot Ion:252 Resp: 78591
Ion Ratio Lower Upper
252 100
253 21.0 17.9 26.9
125 13.5 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.03 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099121.D
Acq: 5 Oct 2017 23:34

Tgt Ion:252 Resp: 37965
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 16.4 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 0.53 ng

RT: 16.77 min Scan# 2497

Delta R.T. -0.24 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

Instrument :

BNA_F

ClientSampleId :

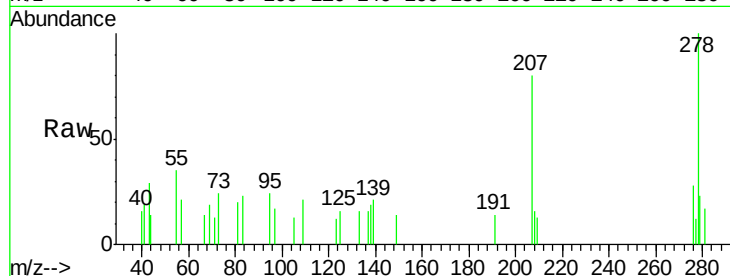
Tot Ion:278 Resp: 5322

Ion Ratio Lower Upper

278 100

139 20.8 15.9 23.9

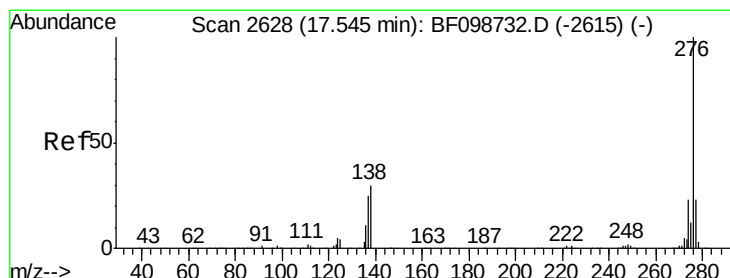
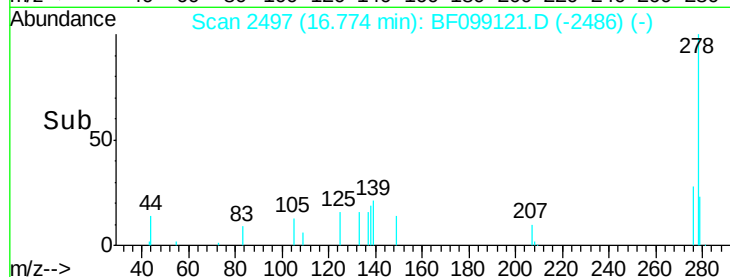
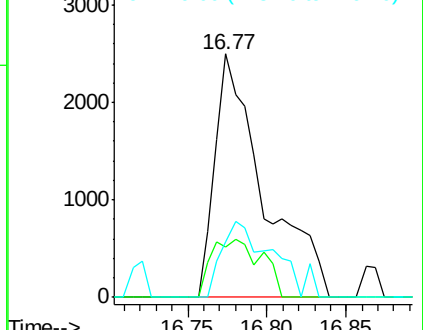
279 23.0 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.04 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.03 min

Lab File: BF099121.D

Acq: 5 Oct 2017 23:34

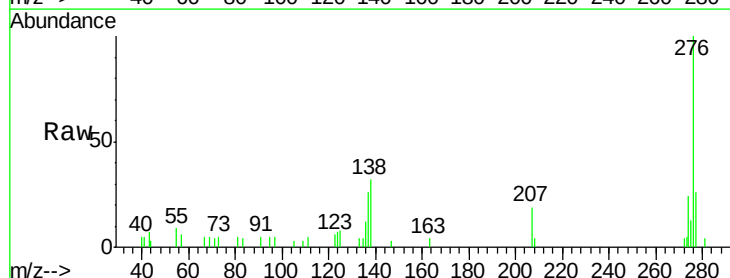
Tgt Ion:276 Resp: 20254

Ion Ratio Lower Upper

276 100

277 25.6 17.9 26.9

138 31.8 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

