

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098770.D
 Acq On : 24 Sep 2017 6:55
 Operator : SJ/JU
 Sample : I5298-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 05:07:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	138244	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	482016	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	175418	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	300912	20.00	ng	0.00
75) Chrysene-d12	14.09	240	299677	20.00	ng	0.00
86) Perylene-d12	15.57	264	226363	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	326339	37.58	ng	0.00
7) Phenol-d6	6.53	99	228862	21.36	ng	-0.01
23) Nitrobenzene-d5	7.48	82	640320	85.19	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	102606	71.48	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	995480	94.74	ng	0.00
78) Terphenyl-d14	13.03	244	827826	62.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.84	88	107	0.03	ng	# 1
6) Aniline	6.69	93	682	0.05	ng	# 1
9) Benzaldehyde	6.69	77	11592	1.87	ng	86
10) Phenol	6.55	94	8265	0.69	ng	91
11) bis(2-Chloroethyl)ether	6.69	93	682	0.07	ng	# 1
12) 1,3-Dichlorobenzene	6.94	146	850	0.08	ng	# 78
13) 1,4-Dichlorobenzene	6.94	146	850	0.08	ng	# 81
14) 1,2-Dichlorobenzene	7.09	146	1084	0.11	ng	# 13
15) Benzyl Alcohol	7.08	79	11891	1.51	ng	# 31
19) n-Nitroso-di-n-propylamine	7.48	70	82890	12.12	ng	# 77
24) Nitrobenzene	7.49	77	1798	0.21	ng	# 31
25) Isophorone	7.48	82	639509	41.15	ng	# 64
30) 1,2,4-Trichlorobenzene	8.15	180	259	0.04	ng	# 75
36) 4-Chloro-3-methylphenol	8.48	107	114	0.02	ng	# 20
45) 1,1'-Biphenyl	9.37	154	1636	0.11	ng	97
47) 2-Nitroaniline	9.27	65	1667	0.48	ng	# 1
49) Dimethylphthalate	9.66	163	6251	0.47	ng	# 97
50) 2,6-Dinitrotoluene	9.96	165	22440	7.79	ng	# 26
51) Acenaphthene	9.96	154	623	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.96	165	22440	6.00	ng	# 23
57) Fluorene	10.75	166	6061	0.52	ng	# 91
59) Diethylphthalate	10.37	149	2757	0.21	ng	# 91
62) Azobenzene	10.67	77	110	0.01	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.75	198	342	0.19	ng	# 13
65) n-Nitrosodiphenylamine	10.75	169	4285	0.41	ng	# 47
66) 4-Bromophenyl-phenylether	10.75	248	7107	2.41	ng	# 1
70) Phenanthrene	11.47	178	141	0.01	ng	# 59
71) Anthracene	11.47	178	141	0.01	ng	# 60
73) Di-n-butylphthalate	12.00	149	1458	0.08	ng	# 78
74) Fluoranthene	12.66	202	240	0.01	ng	62
76) Benzidine	13.03	184	11890	1.07	ng	95
77) Pyrene	13.03	202	2985	0.13	ng	# 52
79) Butylbenzylphthalate	13.55	149	526	0.05	ng	# 78
80) Benzo(a)anthracene	14.08	228	625	0.03	ng	# 51

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QLast Update : Sat Sep 23 13:50:58 2017
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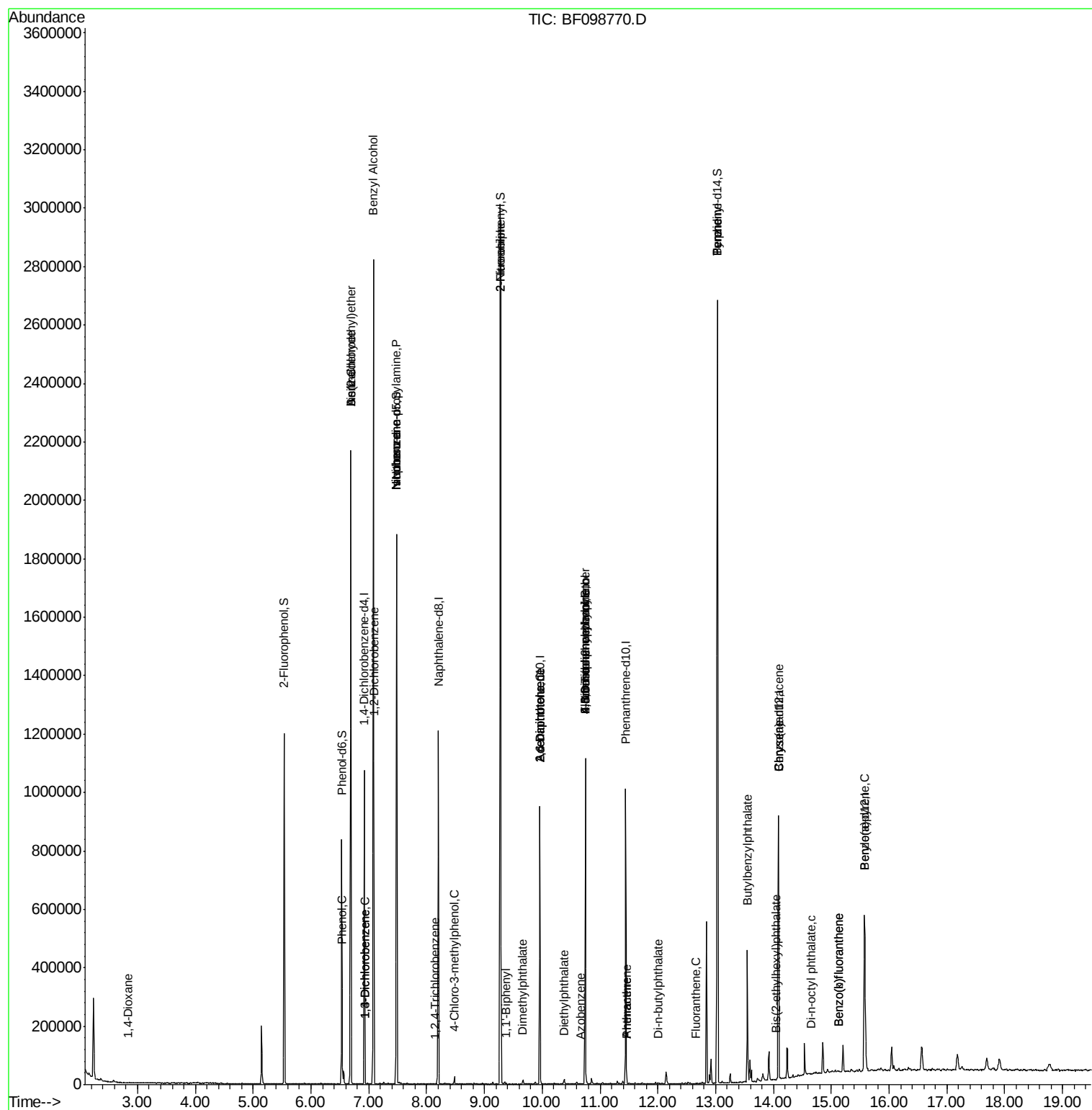
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	14.08	228	625	0.04	nq	# 48
83) Bis(2-ethylhexyl)phthalate	14.05	149	1448	0.10	nq	# 92
84) Di-n-octyl phthalate	14.66	149	421	0.02	nq	# 75
87) Benzo(b)fluoranthene	15.13	252	111	0.01	nq	# 1
88) Benzo(k)fluoranthene	15.13	252	111	0.01	nq	# 1
89) Benzo(a)pyrene	15.57	252	705	0.06	nq	# 11

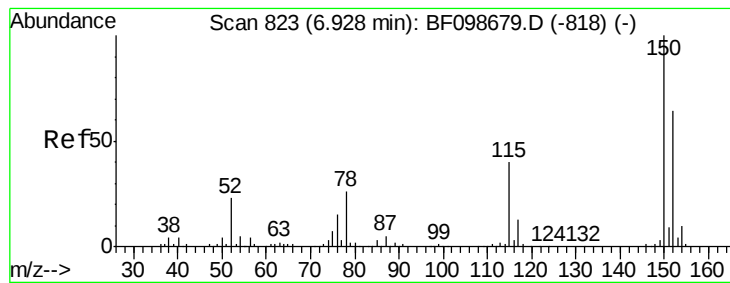
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

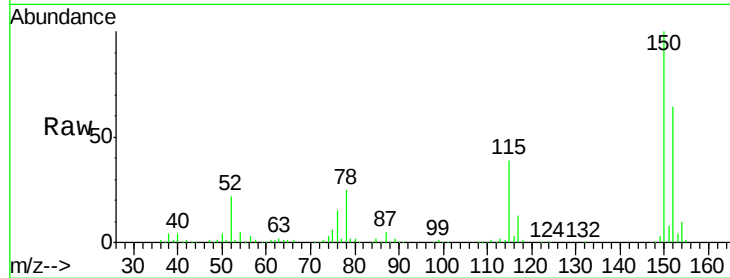
Tot Ion:152 Resp: 138244

Ion Ratio Lower Upper

152 100

150 156.8 124.6 186.8

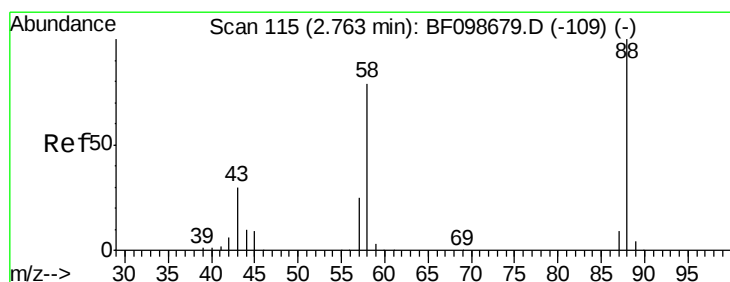
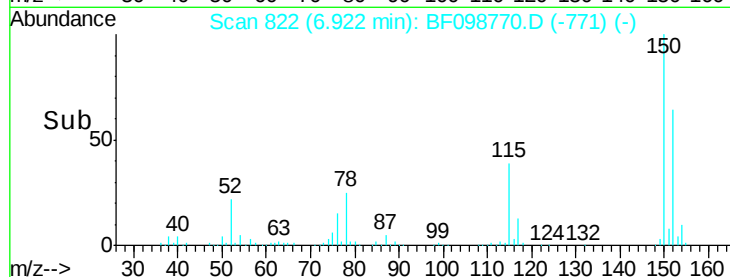
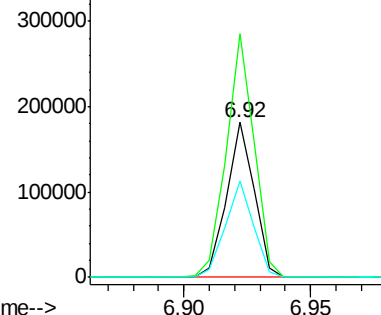
115 61.9 50.1 75.1



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: 2.84 min Scan# 128

Delta R.T. 0.08 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

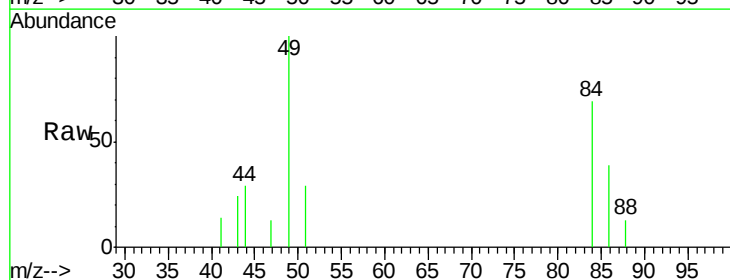
Tgt Ion: 88 Resp: 107

Ion Ratio Lower Upper

88 100

58 0.0 62.6 93.8#

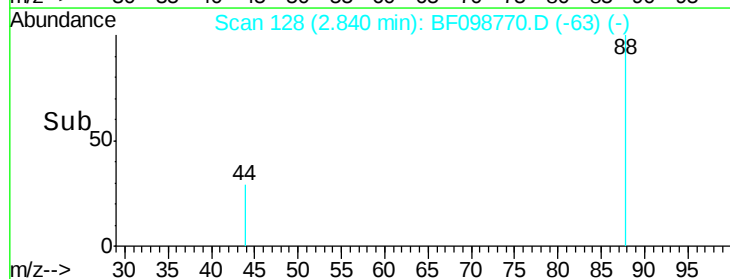
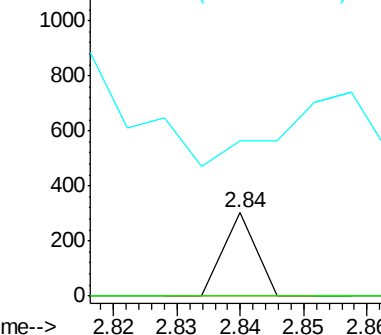
43 272.0 24.6 37.0#

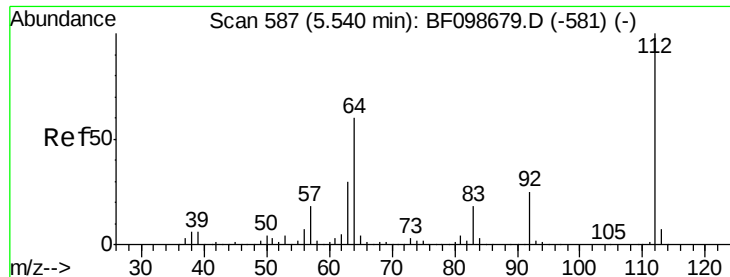


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 37.58 ng

RT: 5.53 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampled :

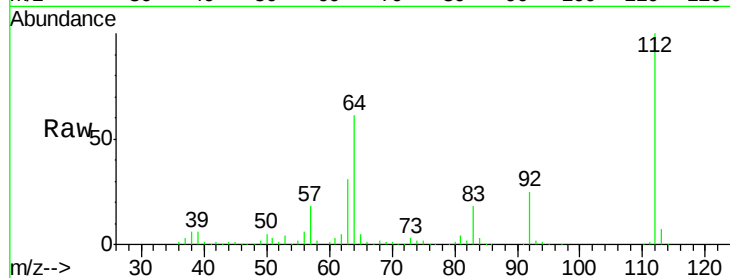
Tot Ion:112 Resp: 326339

Ion Ratio Lower Upper

112 100

64 60.8 47.9 71.9

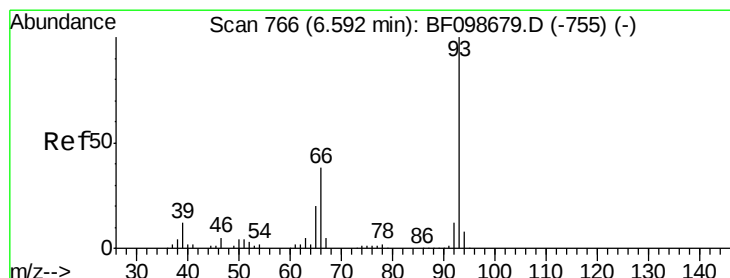
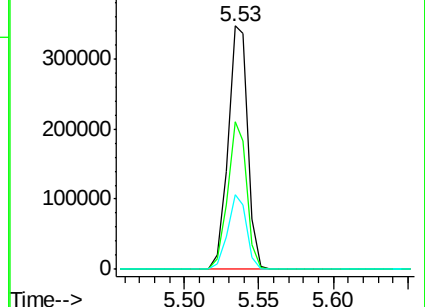
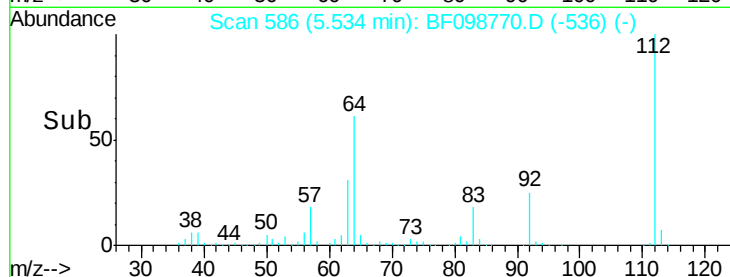
63 30.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.05 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.10 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

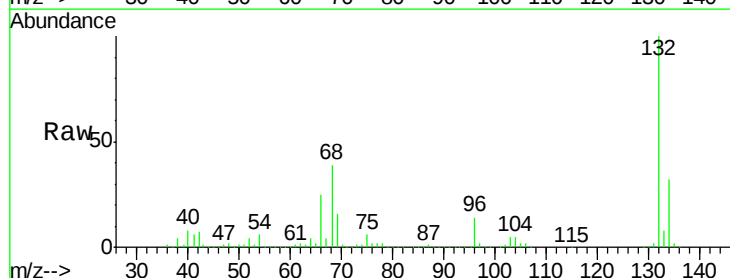
Tgt Ion: 93 Resp: 682

Ion Ratio Lower Upper

93 100

66 21593.7 32.2 48.2#

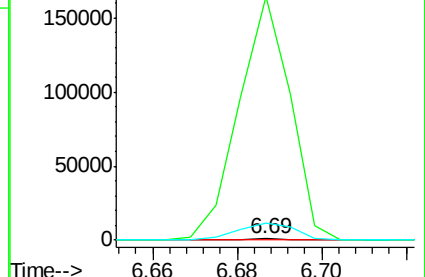
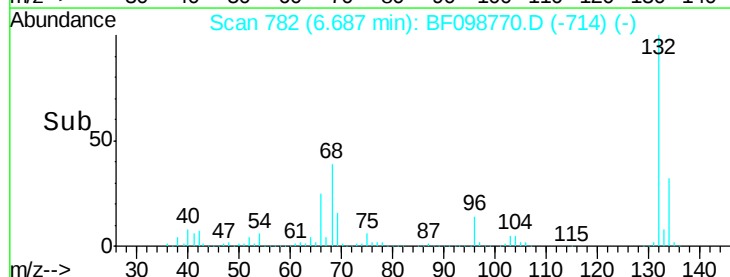
65 1535.3 16.4 24.6#

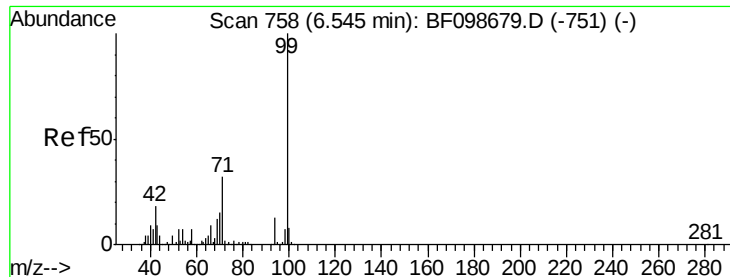


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 21.36 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

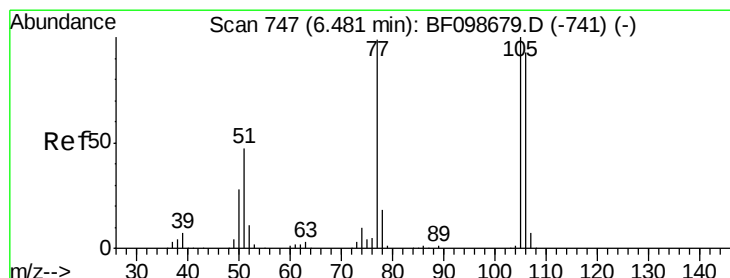
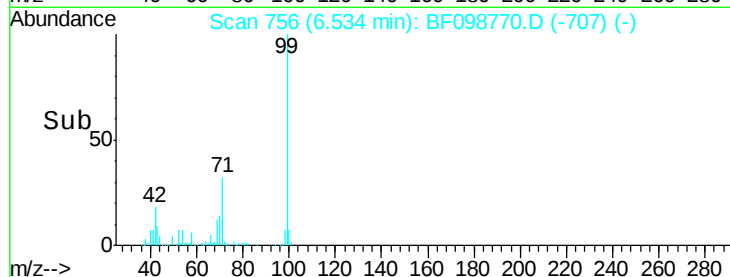
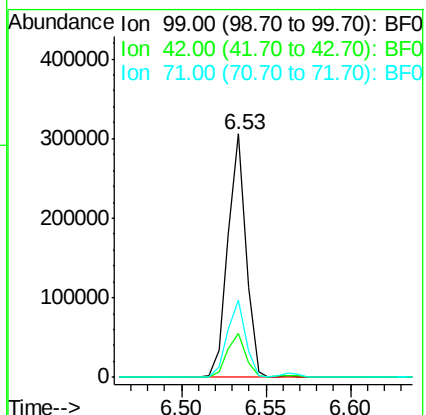
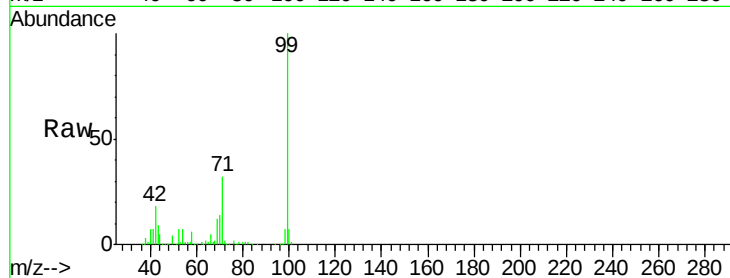
Tot Ion: 99 Resp: 228862

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 32.0 25.4 38.0



#9

Benzaldehyde

Concen: 1.87 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

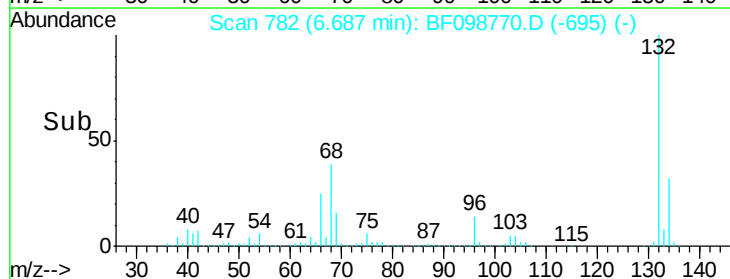
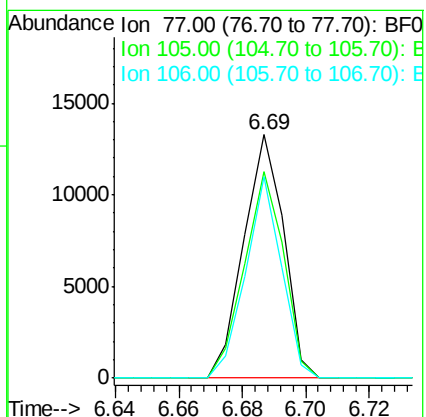
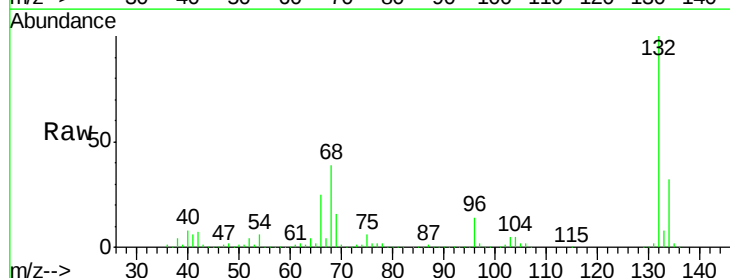
Tgt Ion: 77 Resp: 11592

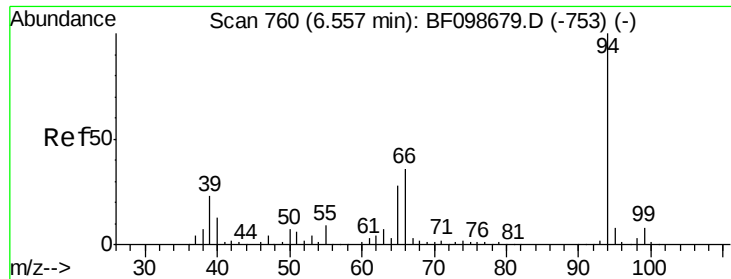
Ion Ratio Lower Upper

77 100

105 84.7 81.1 121.1

106 82.5 74.5 114.5





#10

Phenol

Concen: 0.69 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

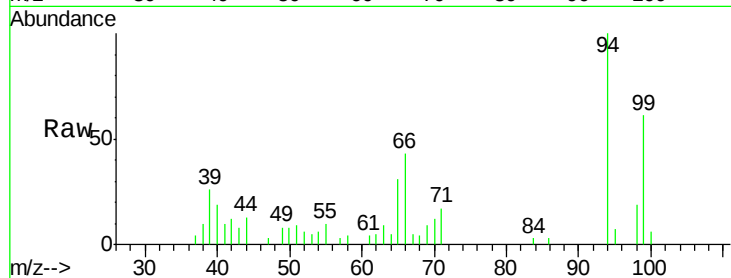
Tot Ion: 94 Resp: 8265

Ion Ratio Lower Upper

94 100

65 31.4 7.9 47.9

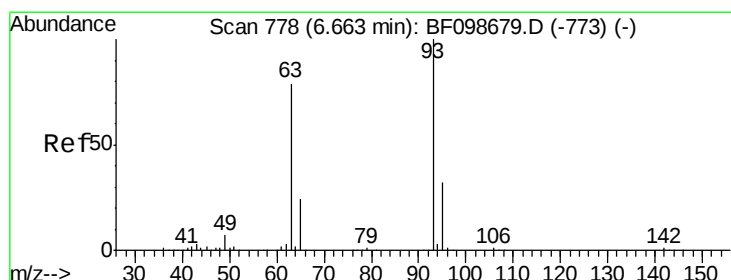
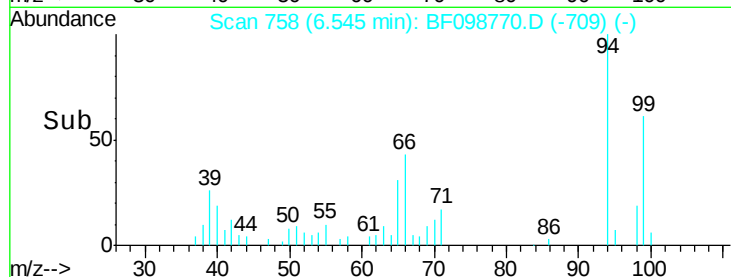
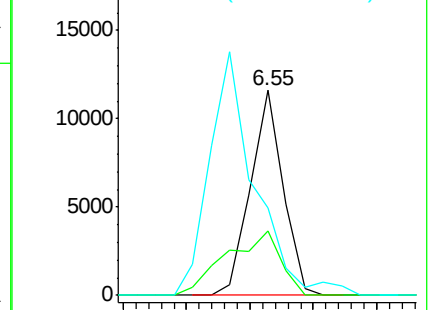
66 42.6 16.2 56.2



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: 0.07 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.03 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

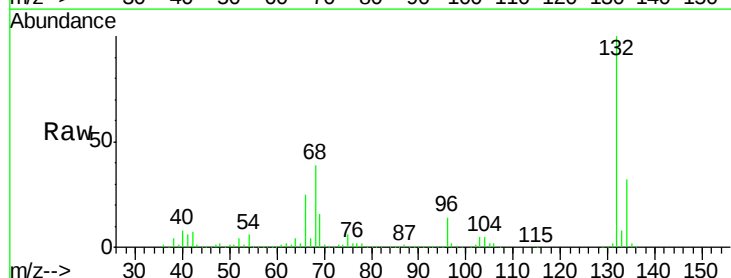
Tgt Ion: 93 Resp: 682

Ion Ratio Lower Upper

93 100

63 816.7 58.6 98.6#

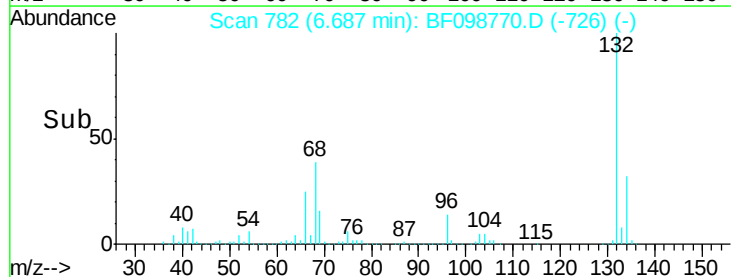
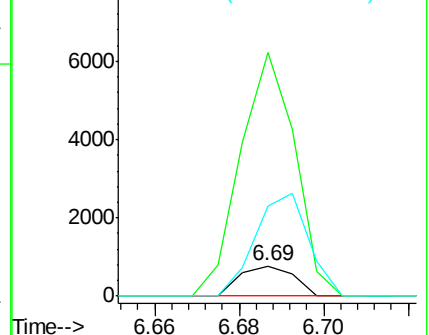
95 302.1 11.8 51.8#

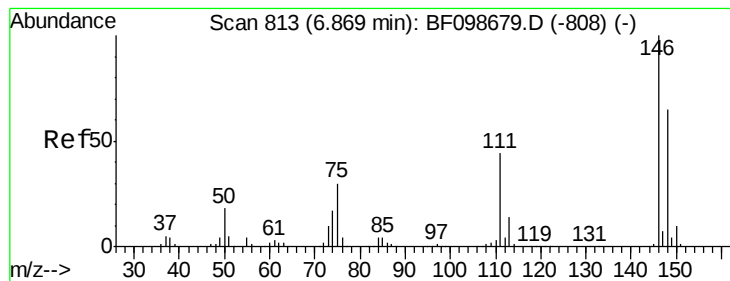


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 0.08 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.08 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

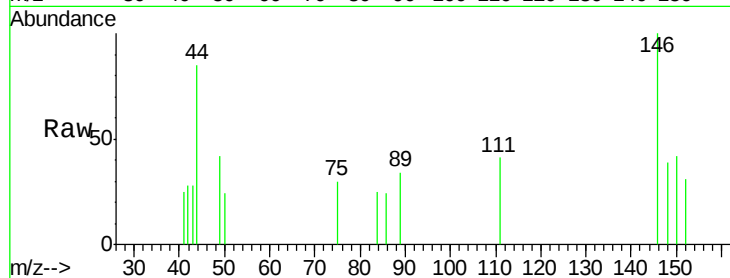
Tot Ion:146 Resp: 850

Ion Ratio Lower Upper

146 100

148 39.4 51.8 77.8#

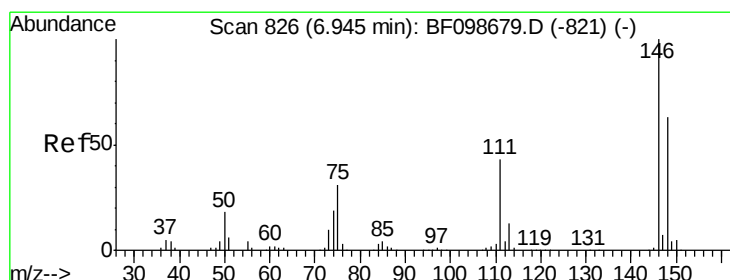
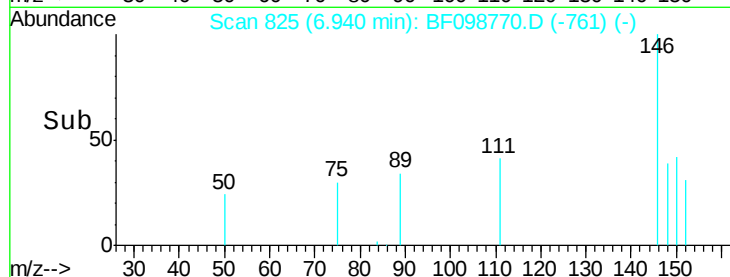
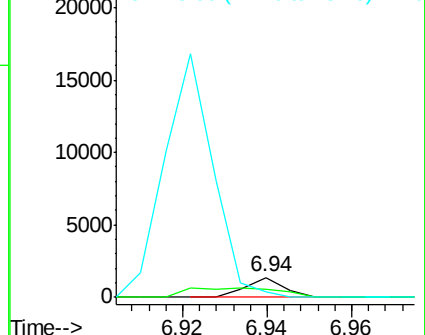
75 29.9 24.2 36.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BFO



#13

1,4-Dichlorobenzene

Concen: 0.08 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.00 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

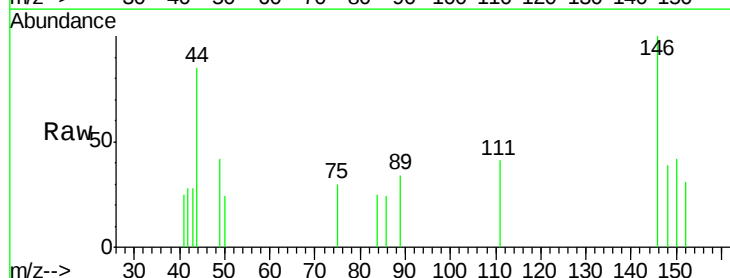
Tgt Ion:146 Resp: 850

Ion Ratio Lower Upper

146 100

148 39.4 50.8 76.2#

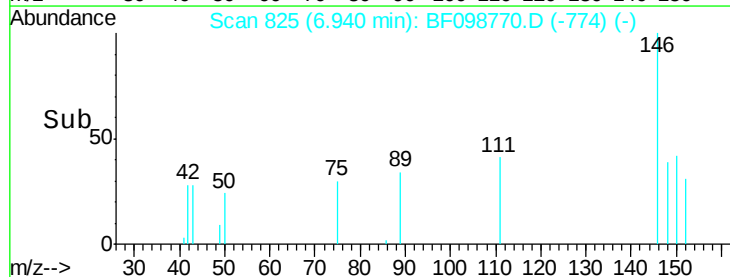
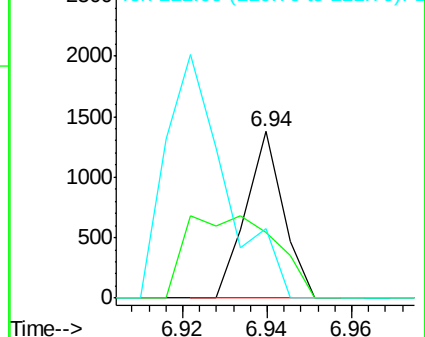
111 41.5 34.2 51.2

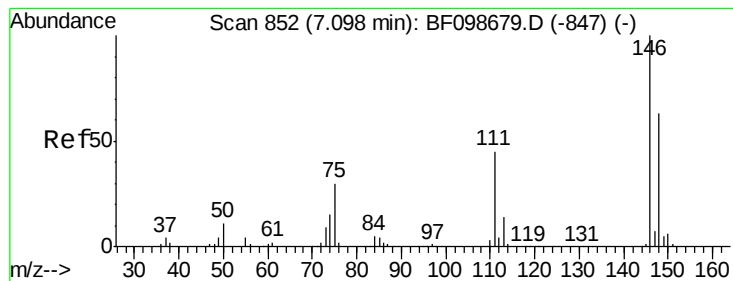


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

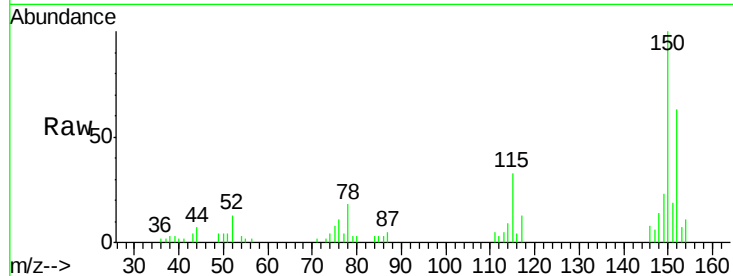




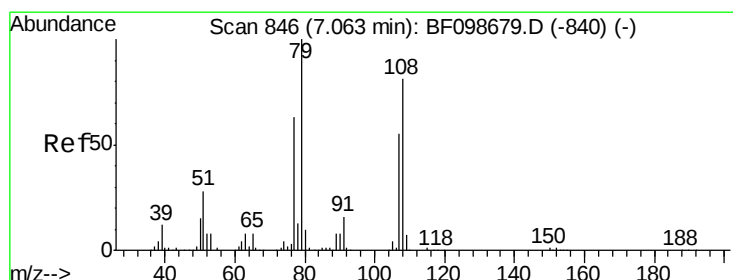
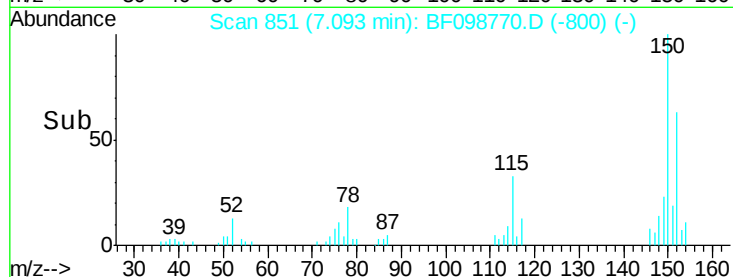
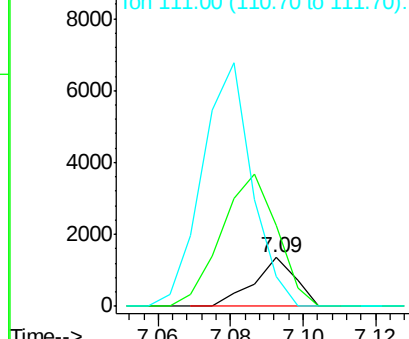
#14
 1,2-Dichlorobenzene
 Concen: 0.11 ng
 RT: 7.09 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 1084
 Ion Ratio Lower Upper
 146 100
 148 165.0 50.6 75.8#
 111 62.2 36.0 54.0#

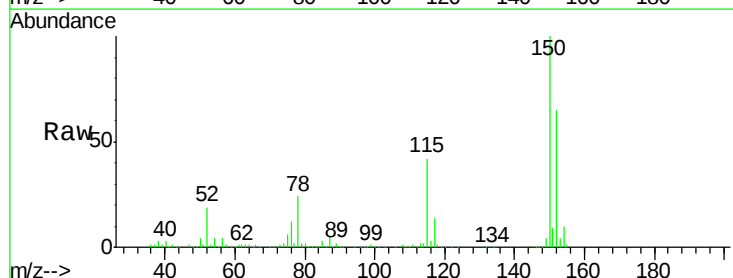


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

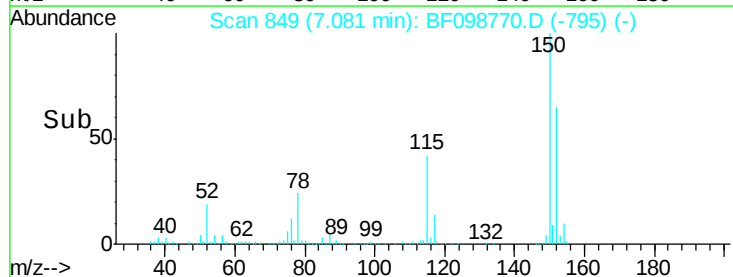
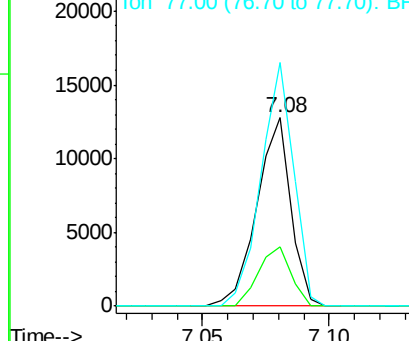


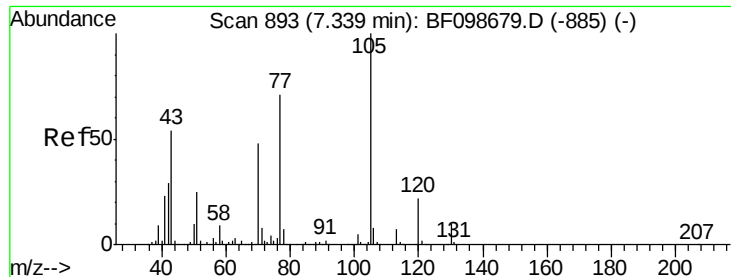
#15
 Benzyl Alcohol
 Concen: 1.51 ng
 RT: 7.08 min Scan# 849
 Delta R.T. 0.02 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Tgt Ion: 79 Resp: 11891
 Ion Ratio Lower Upper
 79 100
 108 31.2 65.1 97.7#
 77 129.2 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

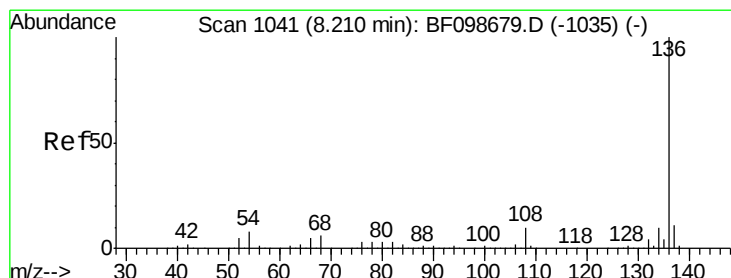
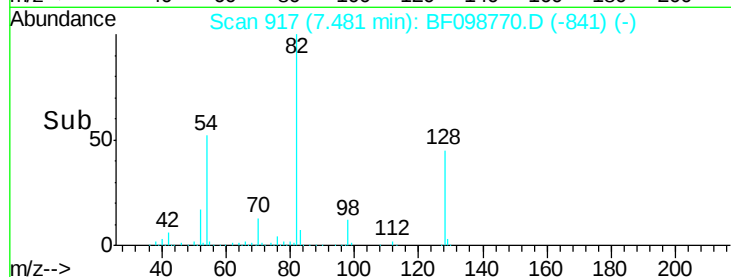
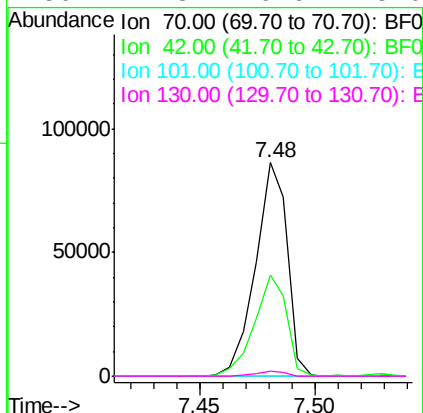
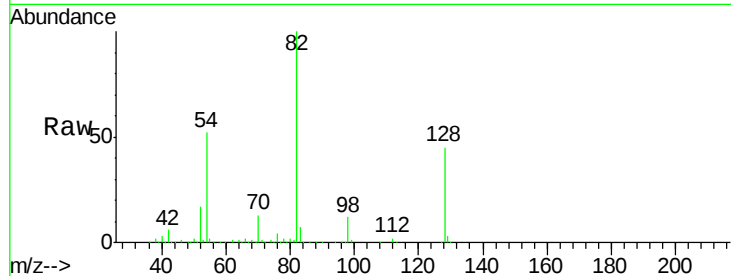




#19
n-Nitroso-di-n-propylamine
Concen: 12.12 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.15 min
Lab File: BF098770.D
Acq: 24 Sep 2017 6:55

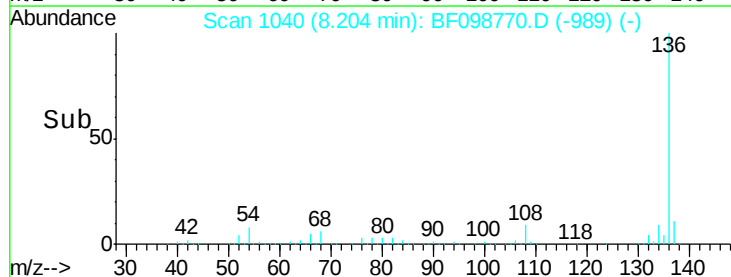
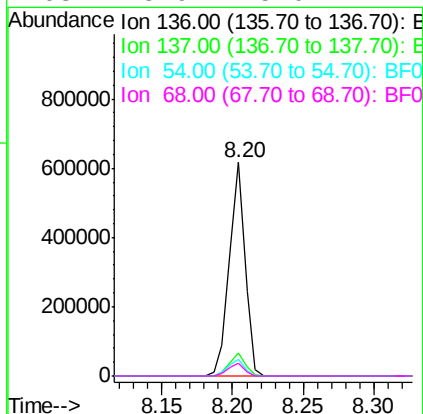
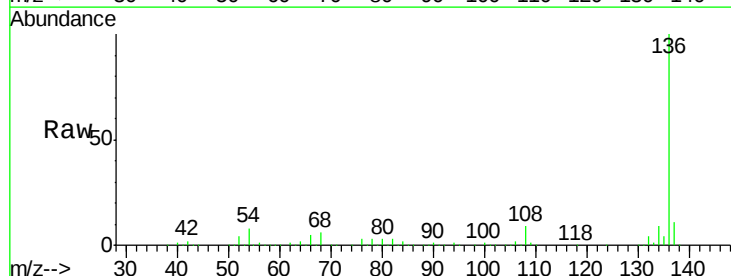
Instrument :
BNA_F
ClientSampleId :

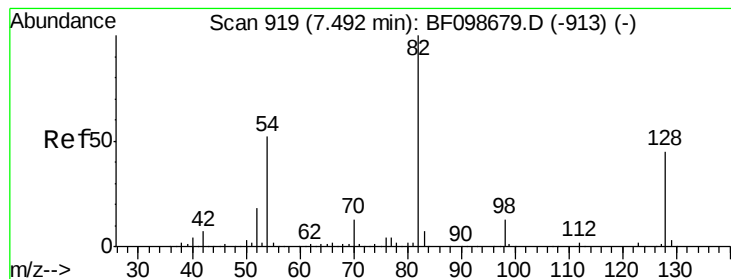
Tot Ion: 70 Resp: 82890
Ion Ratio Lower Upper
70 100
42 47.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF098770.D
Acq: 24 Sep 2017 6:55

Tgt Ion: 136 Resp: 482016
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.7 6.6 9.8
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 85.19 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampled :

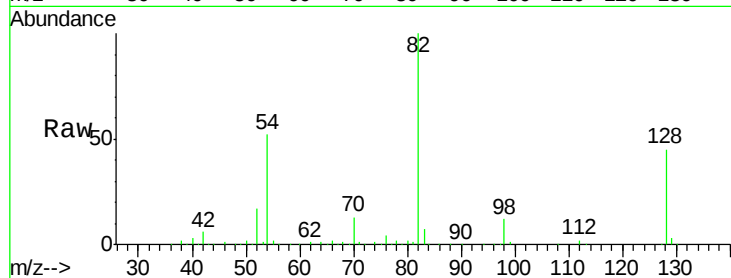
Tot Ion: 82 Resp: 640320

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

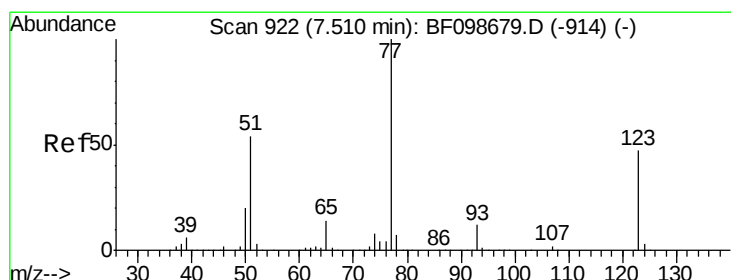
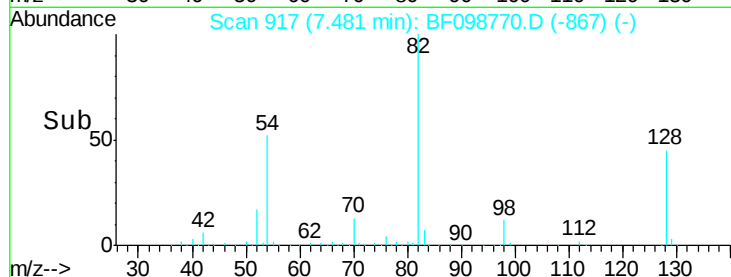
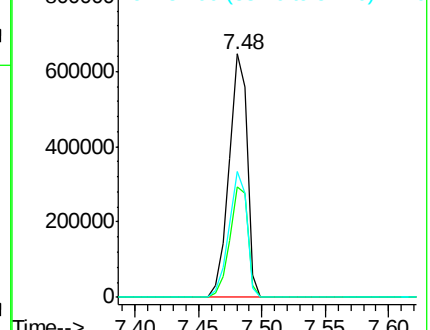
54 51.8 41.4 62.2



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: 0.21 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

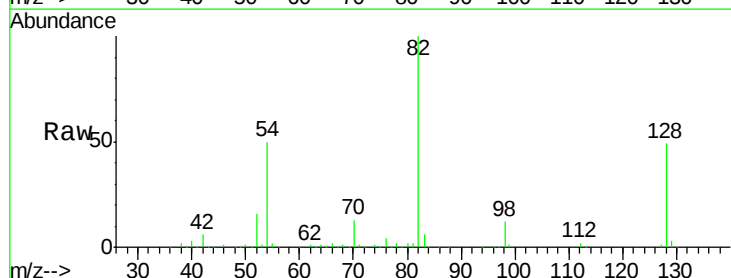
Tgt Ion: 77 Resp: 1798

Ion Ratio Lower Upper

77 100

123 0.0 37.9 56.9#

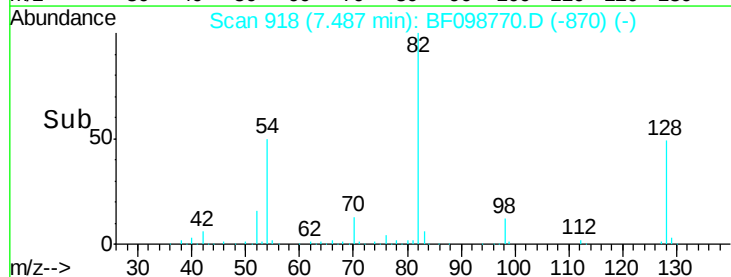
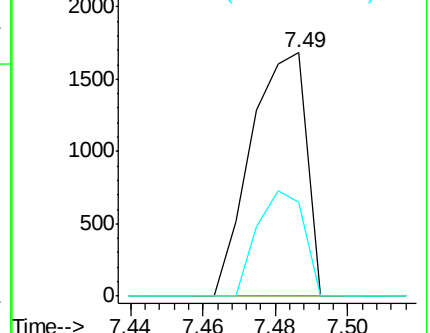
65 38.7 11.0 16.4#

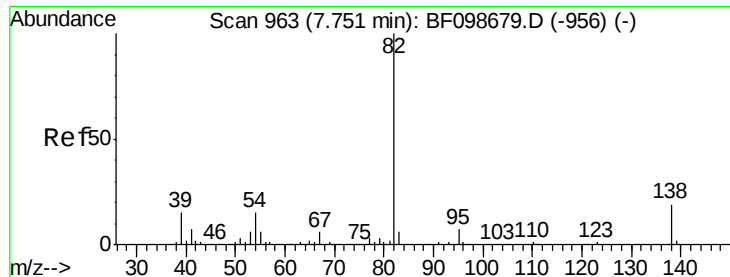


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 41.15 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.26 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

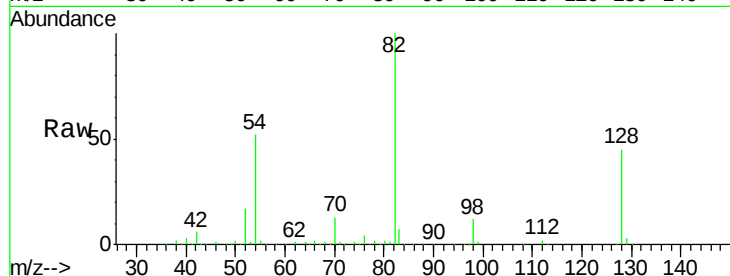
Tot Ion: 82 Resp: 639509

Ion Ratio Lower Upper

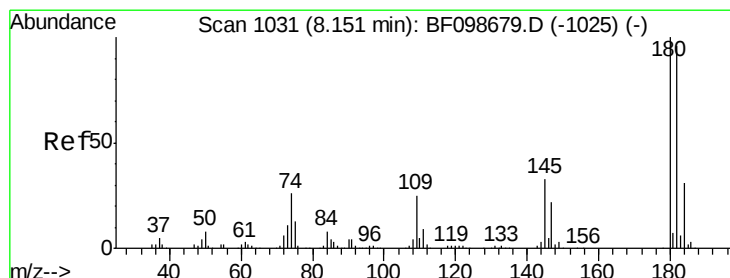
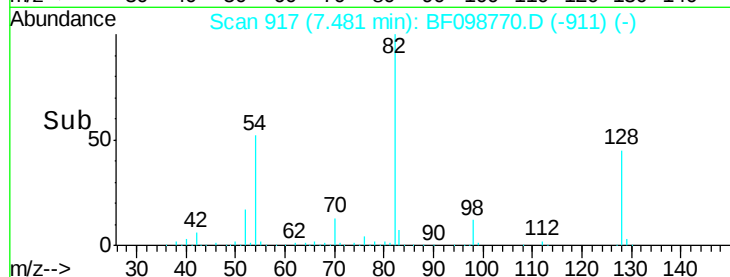
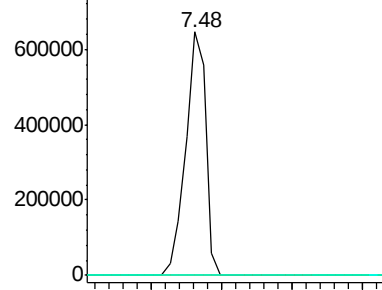
82 100

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



#30

1,2,4-Trichlorobenzene

Concen: 0.04 ng

RT: 8.15 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

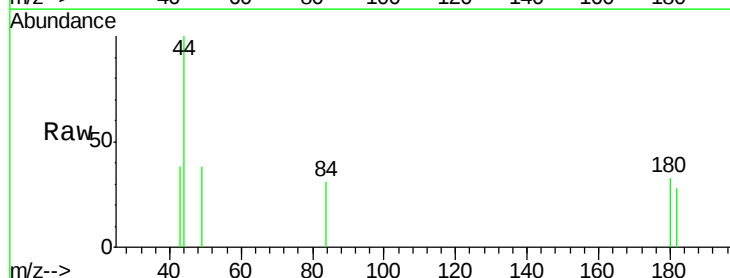
Tgt Ion: 180 Resp: 259

Ion Ratio Lower Upper

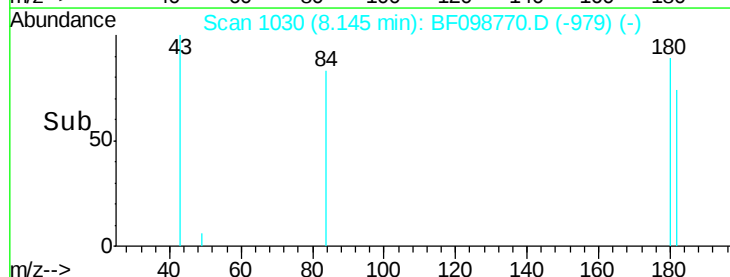
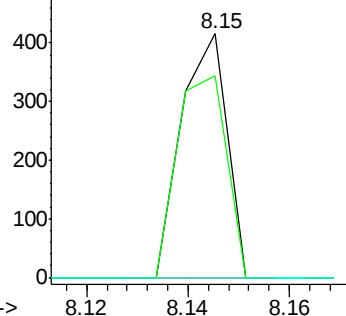
180 100

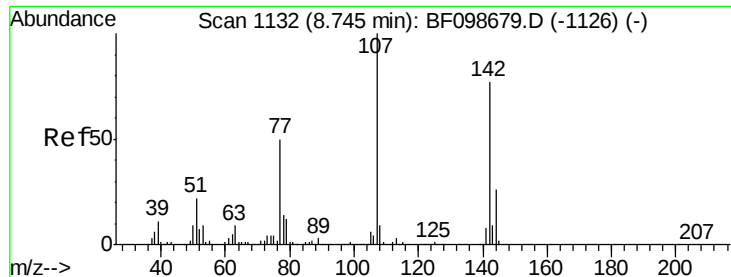
182 82.7 76.8 115.2

145 0.0 26.5 39.7#



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

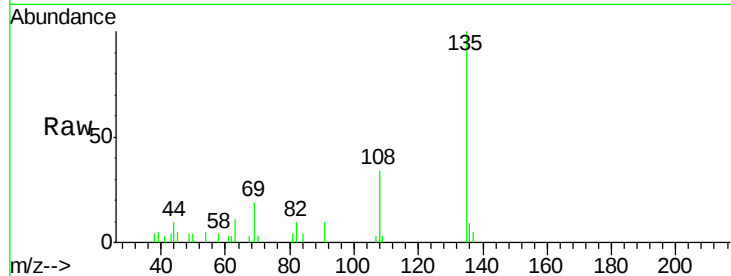




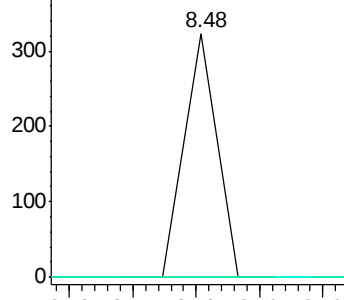
#36
 4-Chloro-3-methylphenol
 Concen: 0.02 ng
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.26 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Instrument :
 BNA_F
 ClientSampleId :

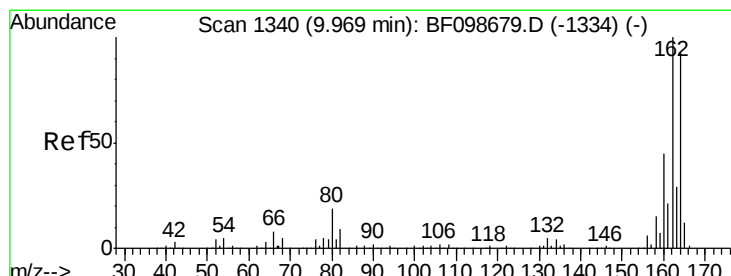
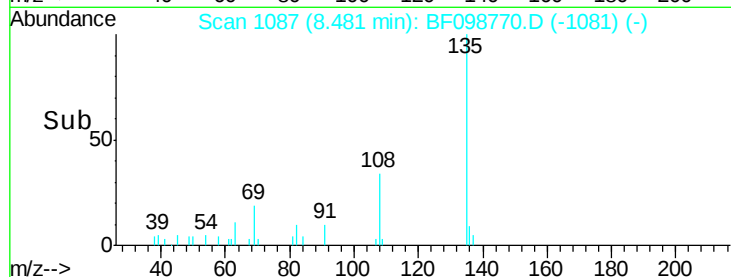
Tot Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.5	30.7#
142	0.0	62.0	93.0#



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

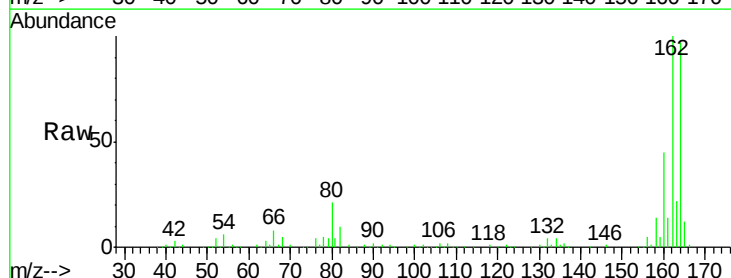


Time--> 8.46 8.47 8.48 8.49 8.50

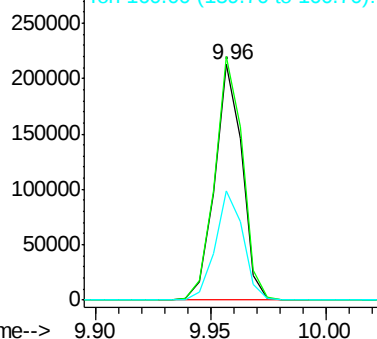


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

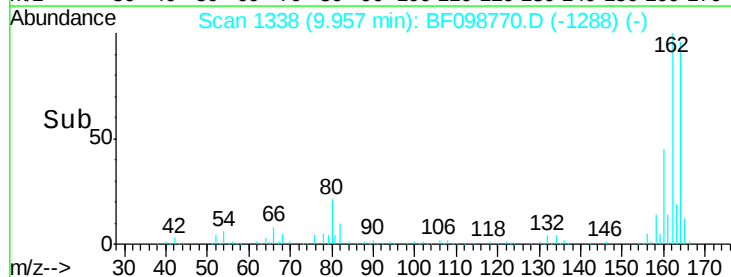
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	86.1	129.1
160	46.1	38.3	57.5

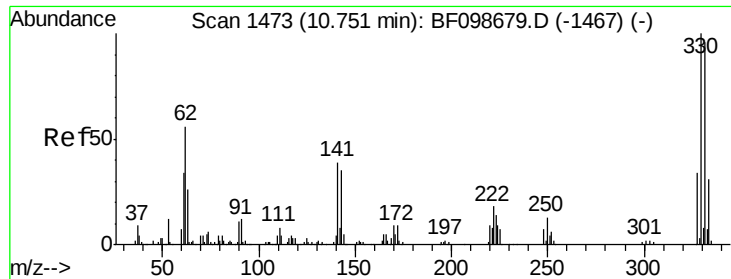


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



Time--> 9.90 9.95 10.00

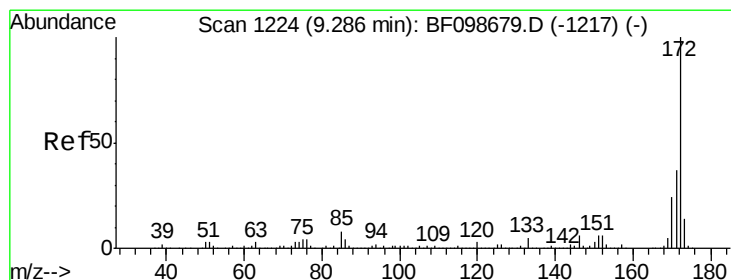
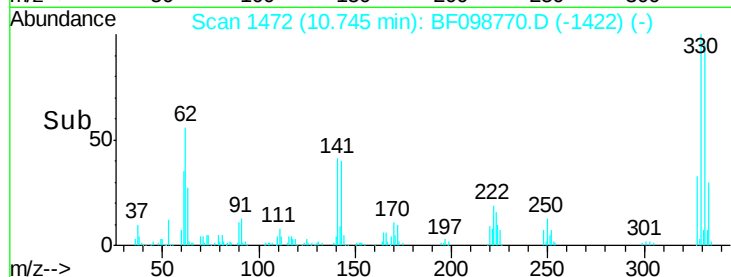
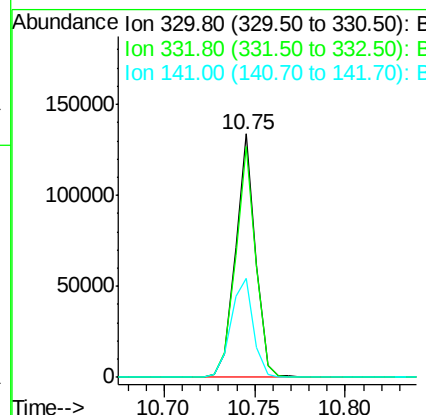
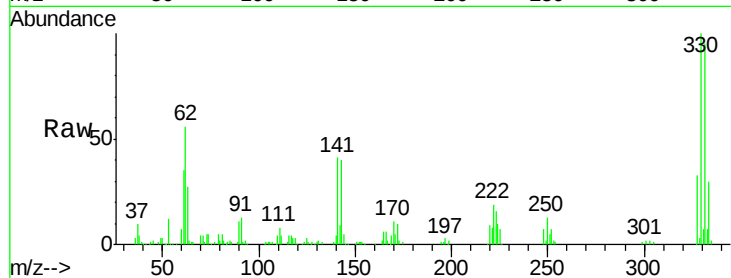




#41
 2,4,6-Tribromophenol
 Concen: 71.48 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

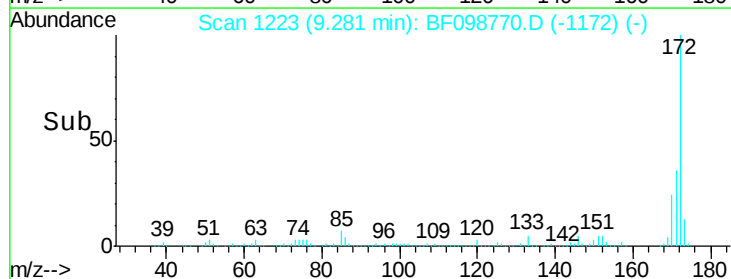
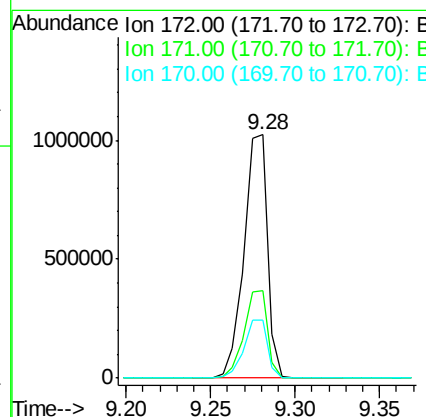
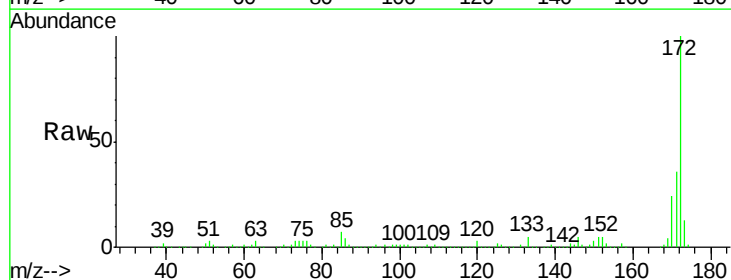
Instrument :
 BNA_F
 ClientSampleId :

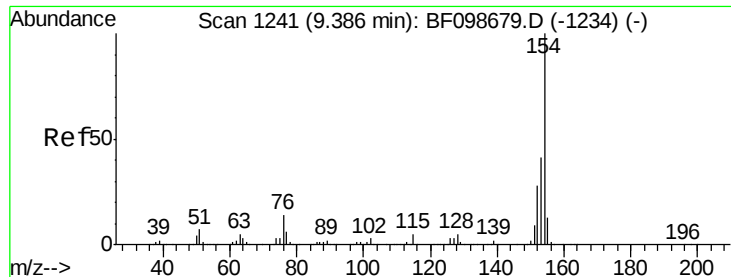
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	45.4	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 94.74 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.8	19.6	29.4

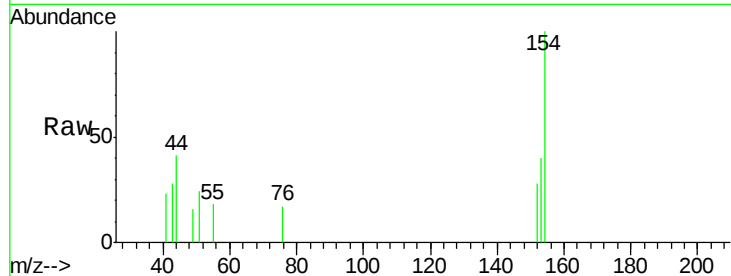




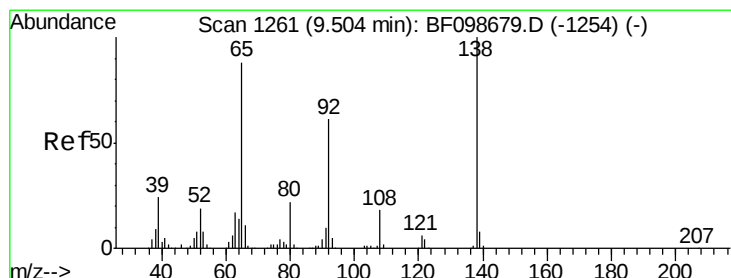
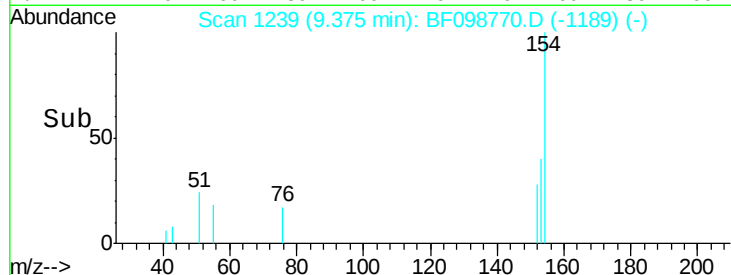
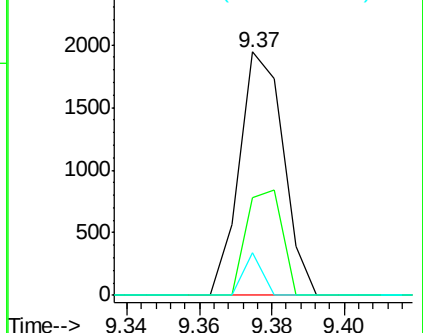
#45
 1,1'-Biphenyl
 Concen: 0.11 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.3	61.3
76	17.3	0.0	34.0

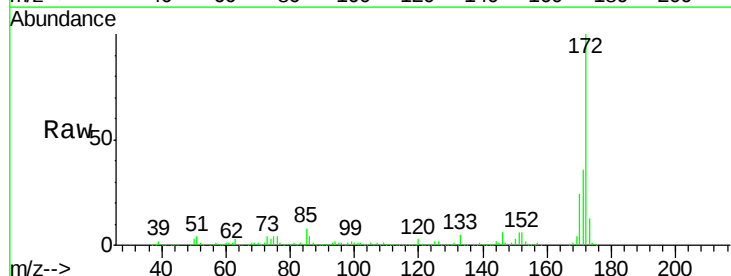


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): E

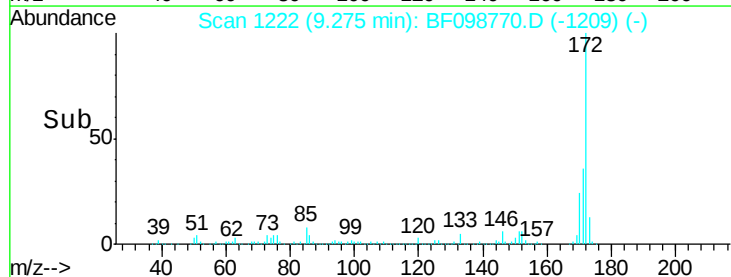
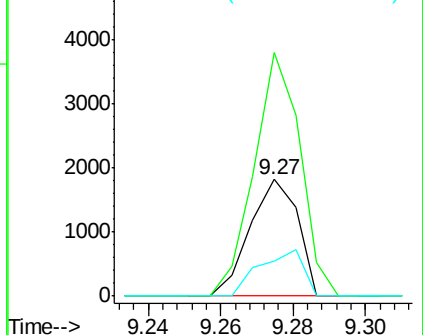


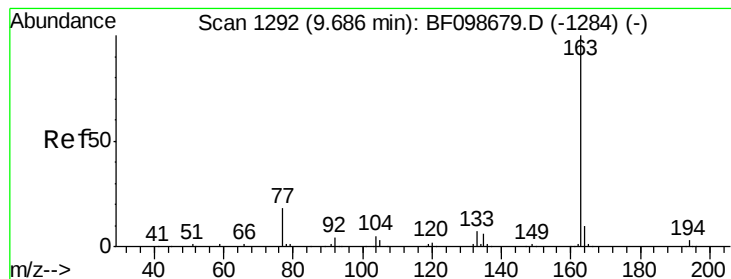
#47
 2-Nitroaniline
 Concen: 0.48 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.22 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	208.4	55.8	83.6#
138	30.4	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





#49

Dimethylphthalate

Concen: 0.47 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampled :

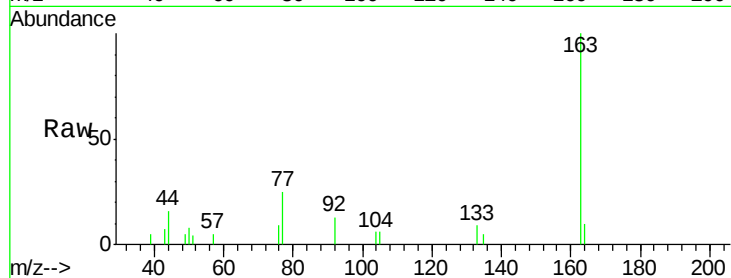
Tot Ion:163 Resp: 6251

Ion Ratio Lower Upper

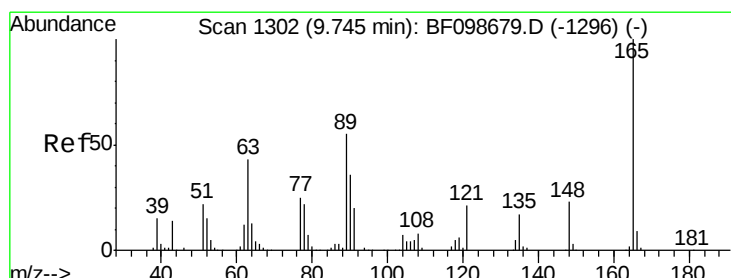
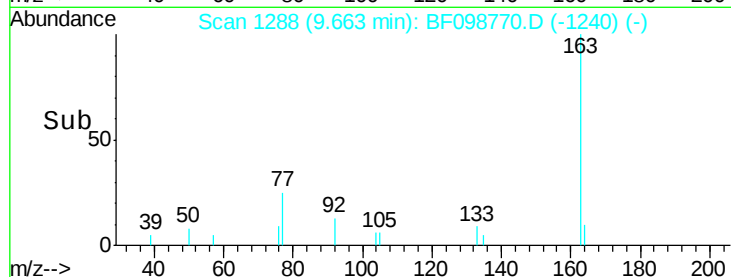
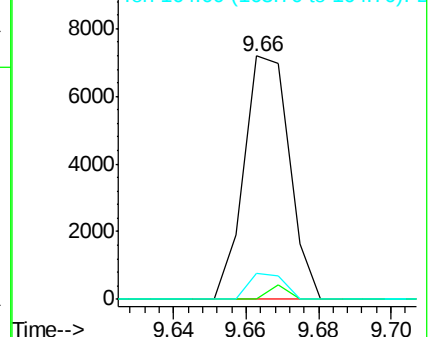
163 100

194 0.0 2.7 4.1#

164 10.4 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: 7.79 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.22 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

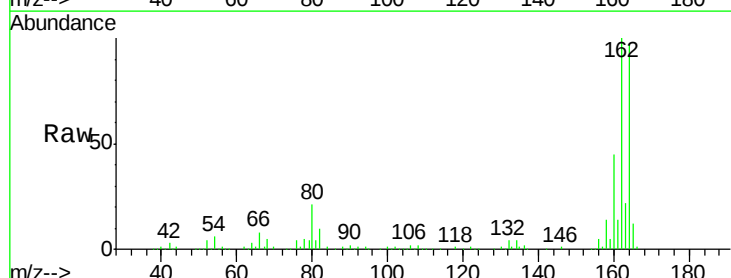
Tgt Ion:165 Resp: 22440

Ion Ratio Lower Upper

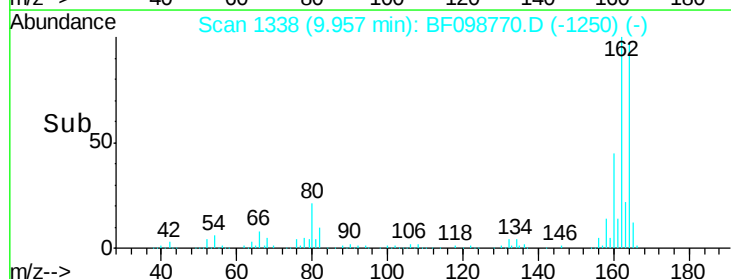
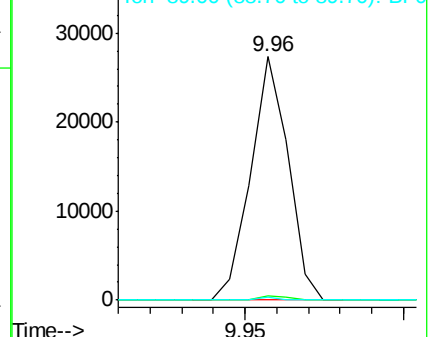
165 100

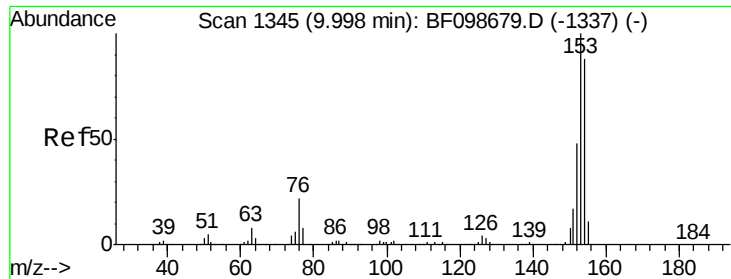
63 1.7 44.7 67.1#

89 1.1 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: 0.06 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.04 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampled :

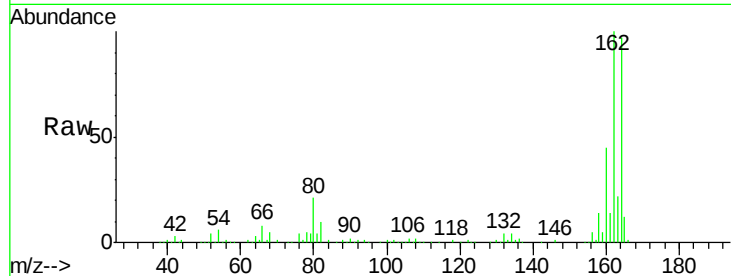
Tot Ion:154 Resp: 623

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

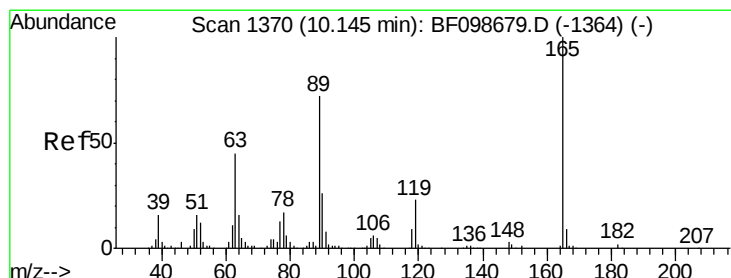
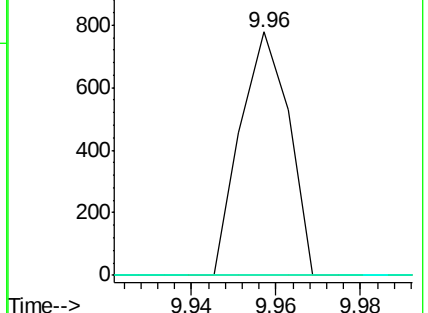
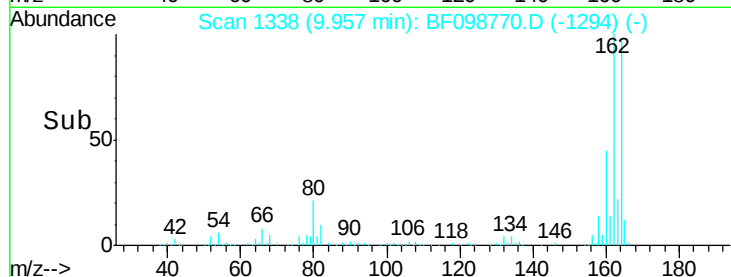
152 0.0 43.8 65.8#



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



#56

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.19 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Tgt Ion:165 Resp: 22440

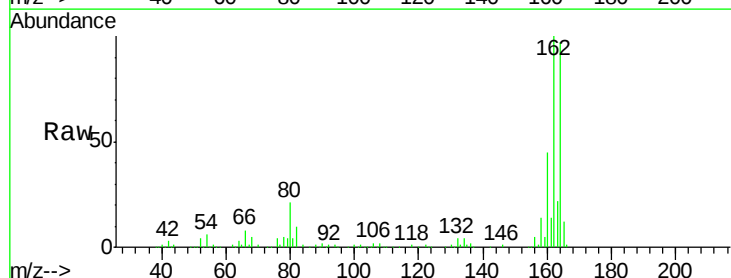
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.1 57.8 86.6#

182 0.0 1.6 2.4#

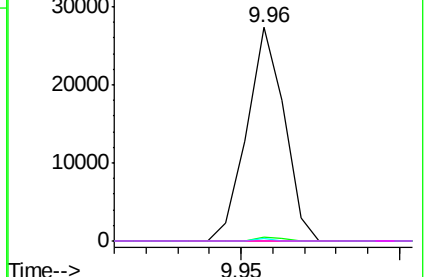
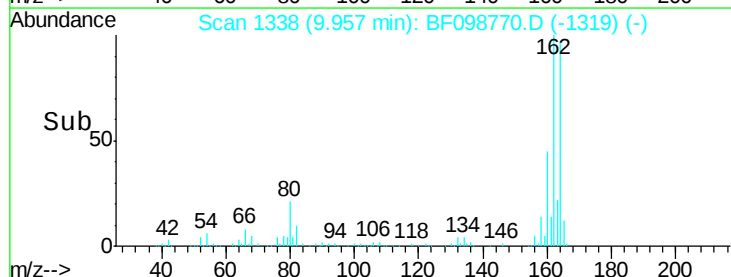


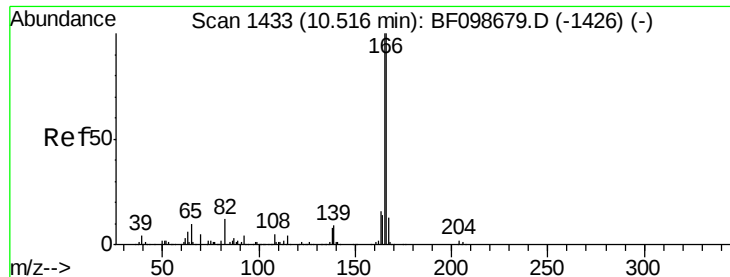
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.52 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.24 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

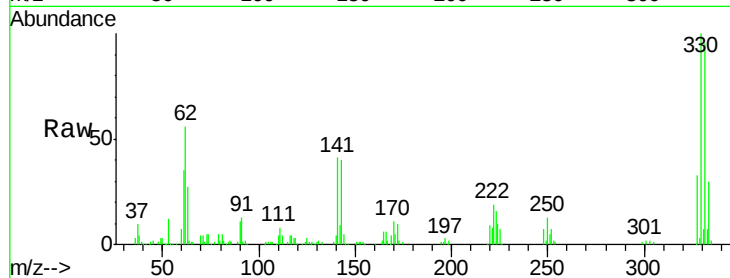
Tot Ion:166 Resp: 6061

Ion Ratio Lower Upper

166 100

165 104.6 79.8 119.8

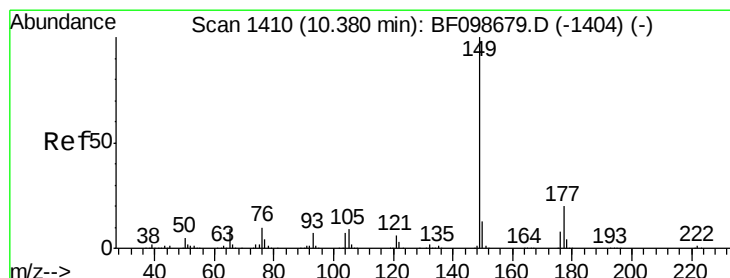
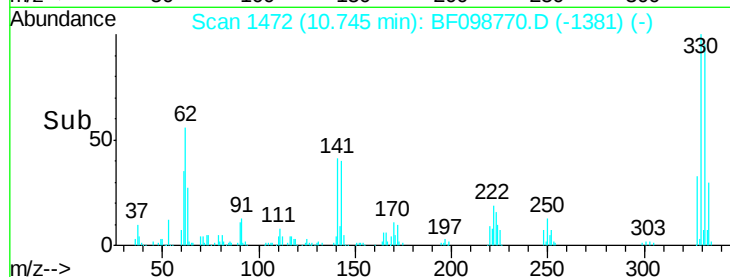
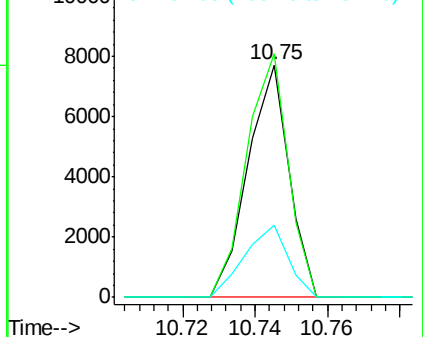
167 31.0 10.6 16.0#



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: 0.21 ng

RT: 10.37 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

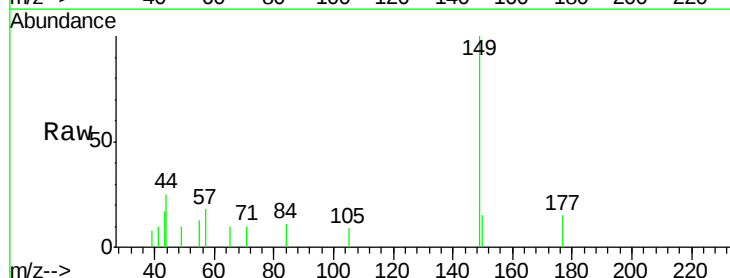
Tgt Ion:149 Resp: 2757

Ion Ratio Lower Upper

149 100

177 15.4 16.1 24.1#

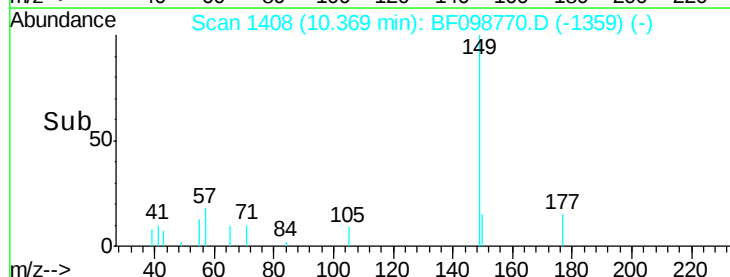
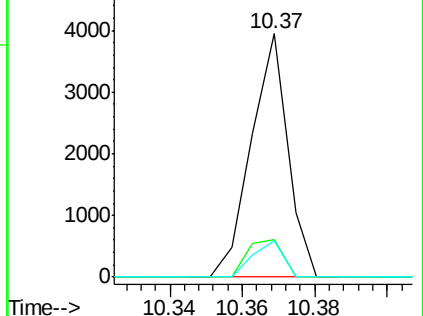
150 15.0 10.1 15.1

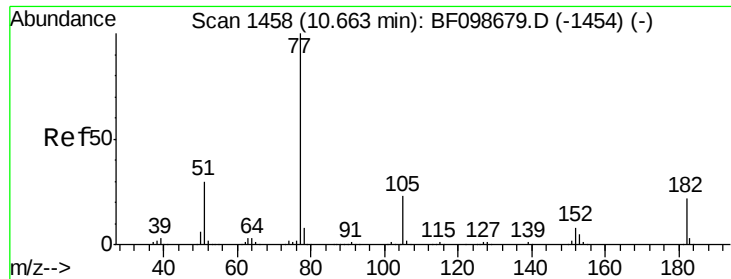


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.01 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 110

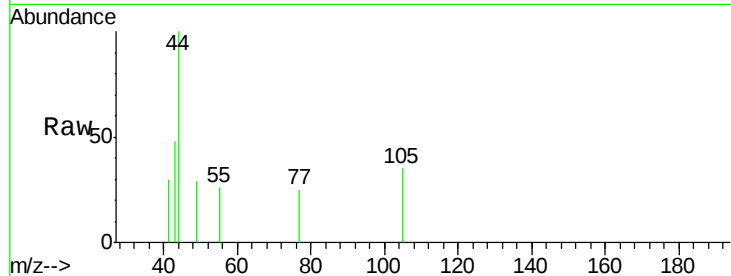
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 143.4 3.0 43.0#

51 0.0 9.9 49.9#

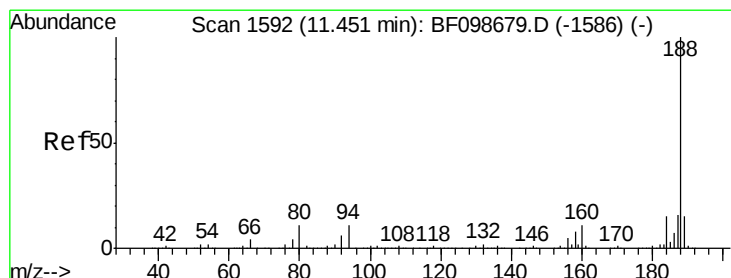
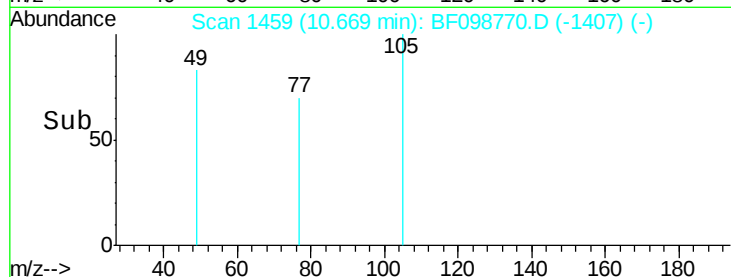
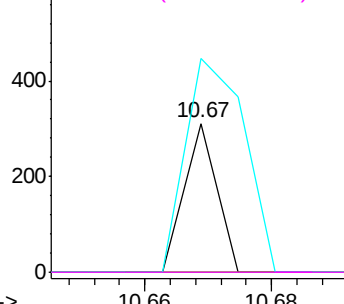


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

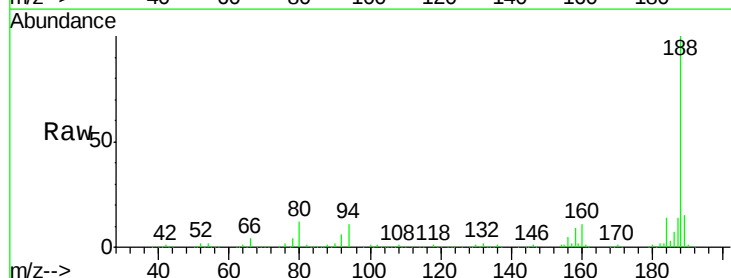
Tgt Ion: 188 Resp: 300912

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

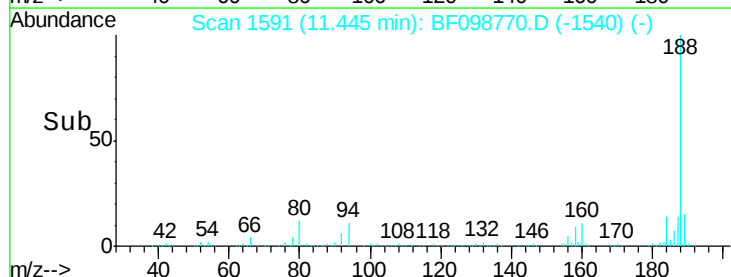
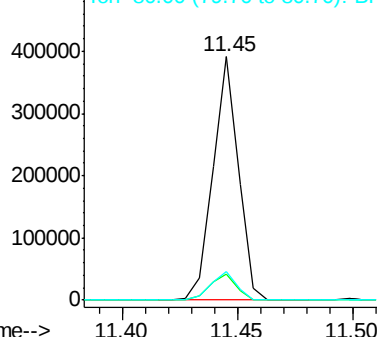
80 11.6 9.2 13.8

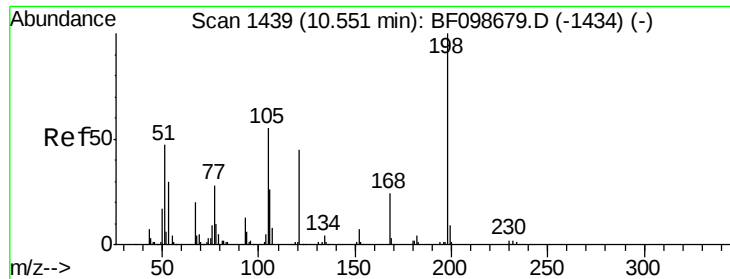


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 0.19 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.19 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

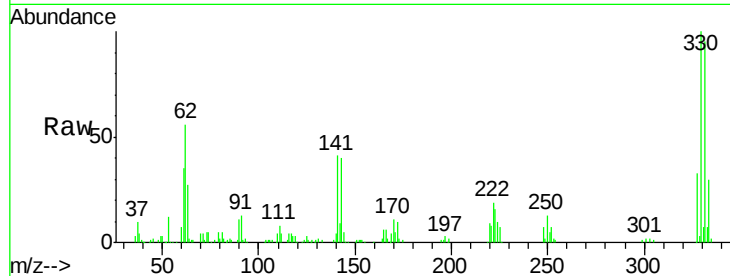
Tot Ion:198 Resp: 342

Ion Ratio Lower Upper

198 100

51 106.7 37.7 77.7#

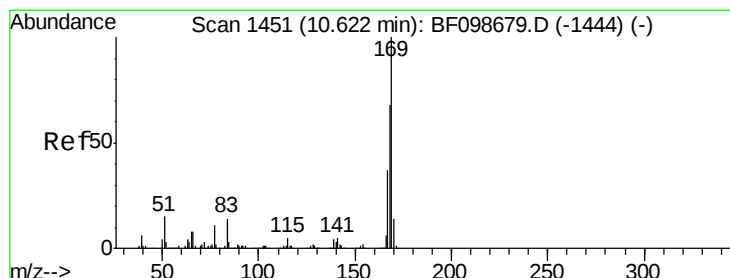
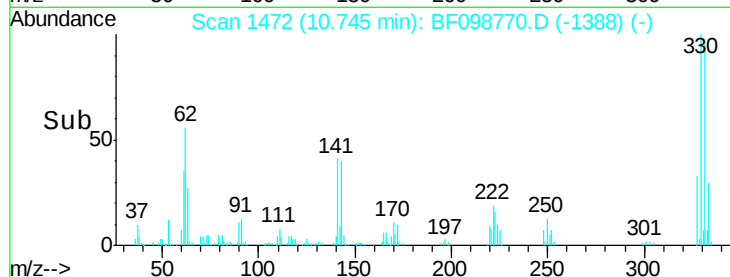
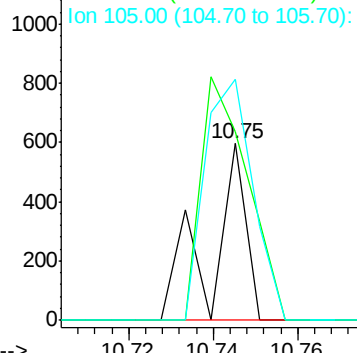
105 136.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.41 ng

RT: 10.75 min Scan# 1472

Delta R.T. 0.13 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

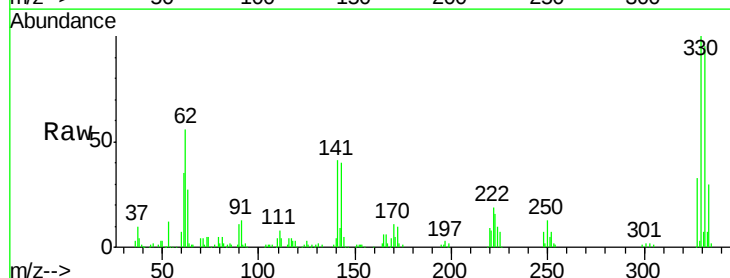
Tgt Ion:169 Resp: 4285

Ion Ratio Lower Upper

169 100

168 6.4 54.4 81.6#

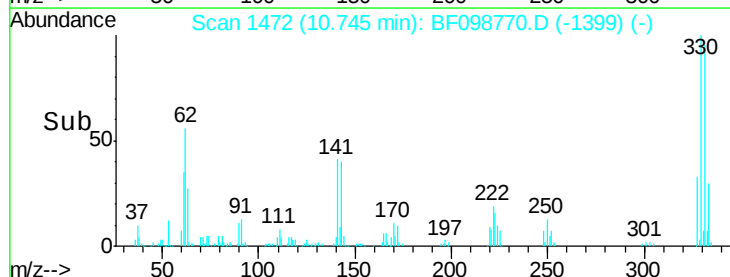
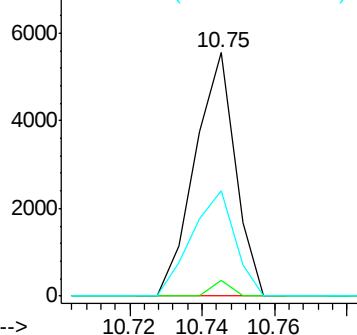
167 43.1 29.8 44.6

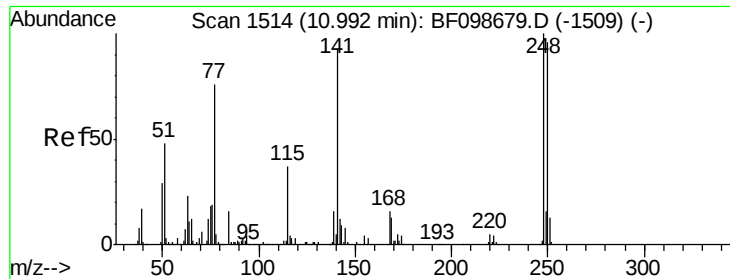


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

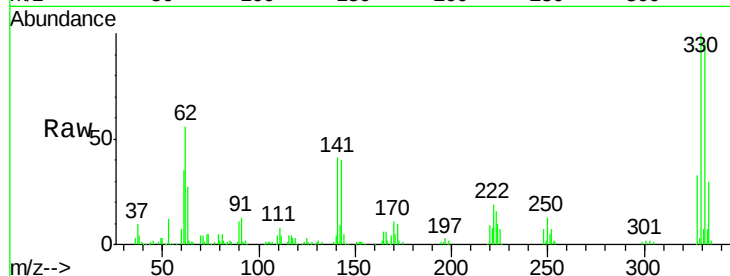




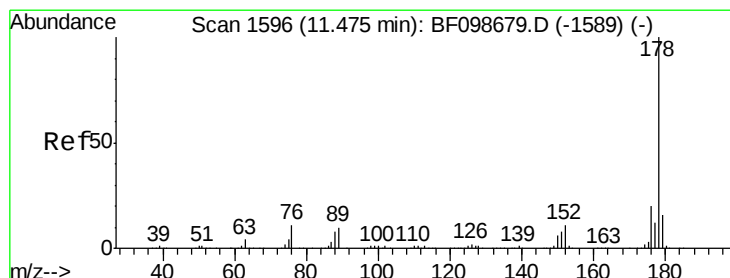
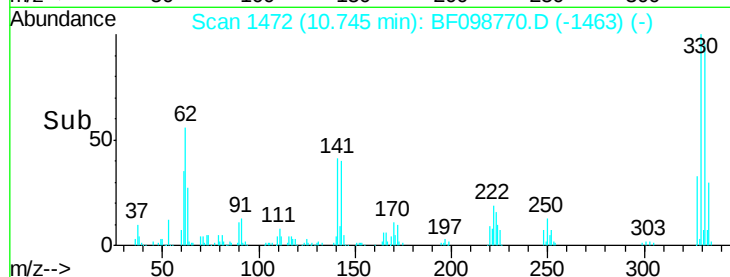
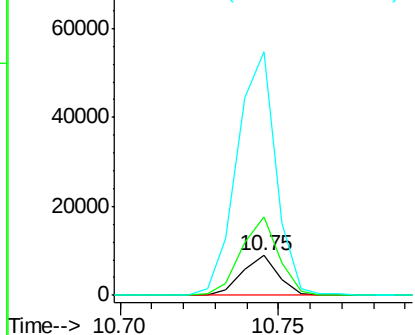
#66
 4-Bromophenyl-phenylether
 Concen: 2.41 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.25 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 7107
 Ion Ratio Lower Upper
 248 100
 250 198.7 76.9 115.3#
 141 611.6 74.4 111.6#

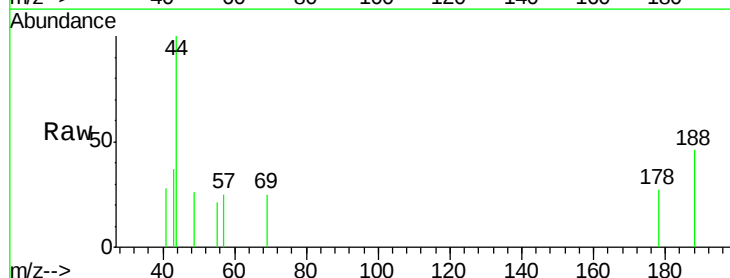


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

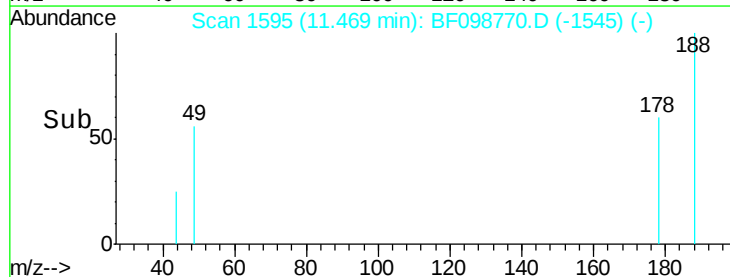
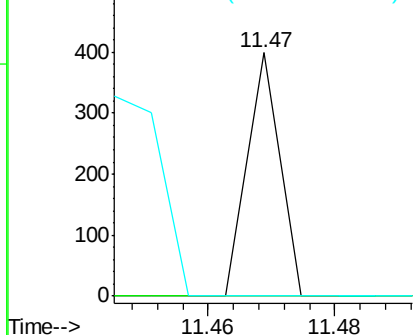


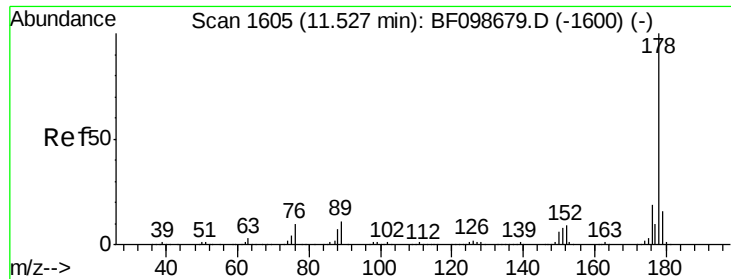
#70
 Phenanthrene
 Concen: 0.01 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Tgt Ion:178 Resp: 141
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.8 23.8#
 179 0.0 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: 0.01 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.06 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

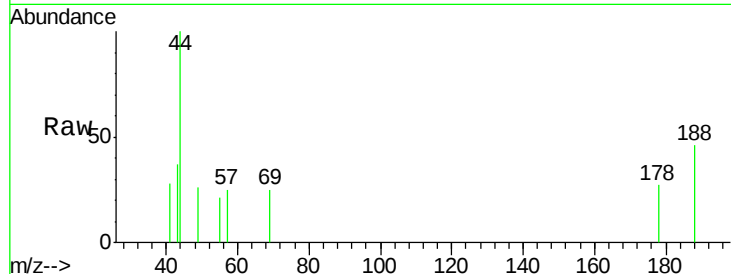
Tot Ion:178 Resp: 141

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

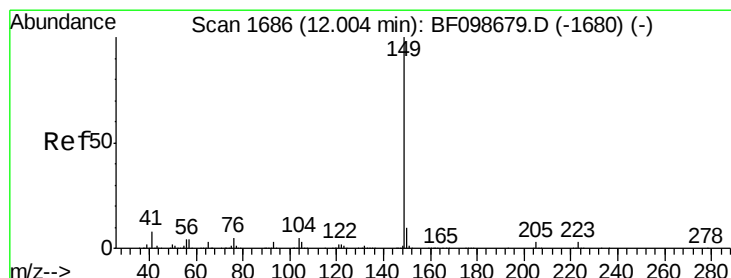
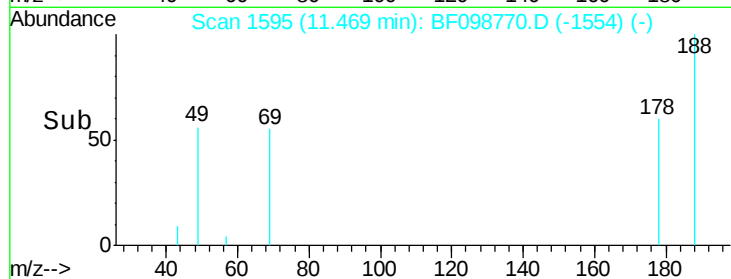
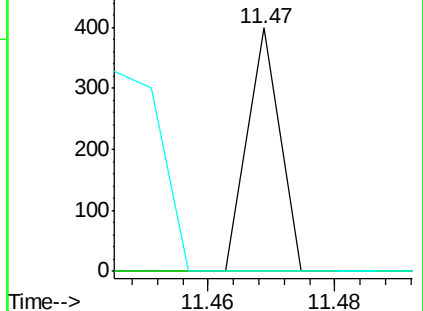
179 0.0 12.6 19.0#



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



#73

Di-n-butylphthalate

Concen: 0.08 ng

RT: 12.00 min Scan# 1685

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

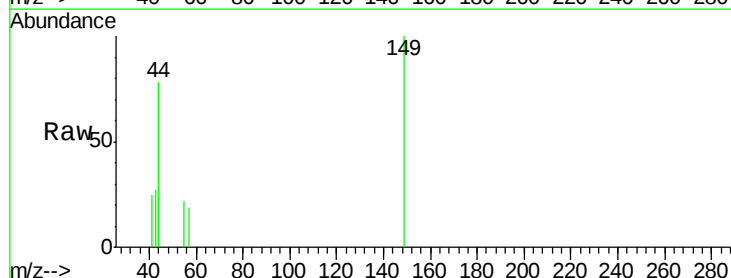
Tgt Ion:149 Resp: 1458

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

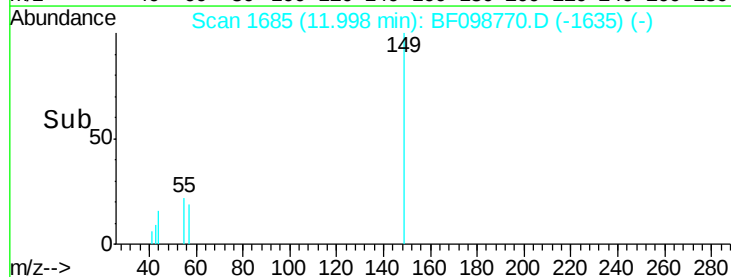
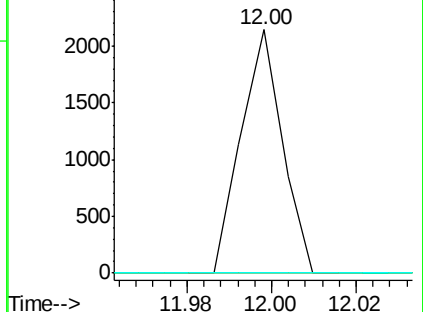
104 0.0 3.8 5.8#

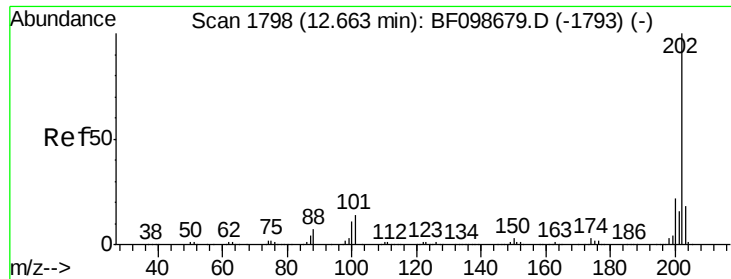


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

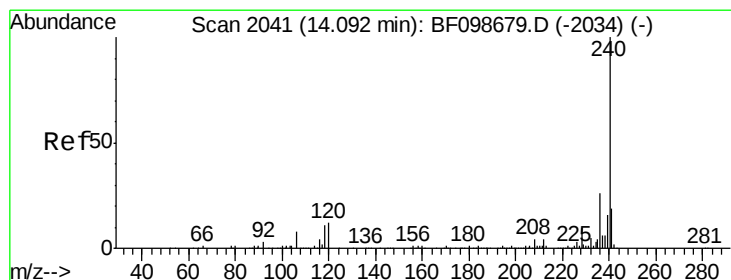
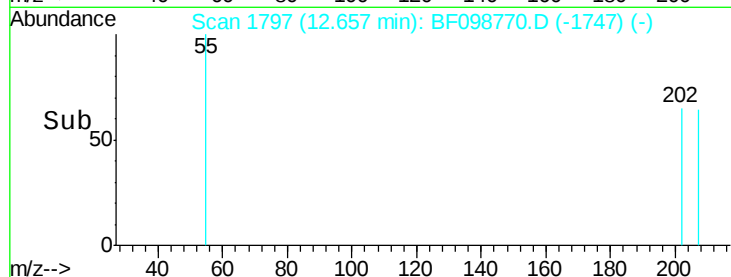
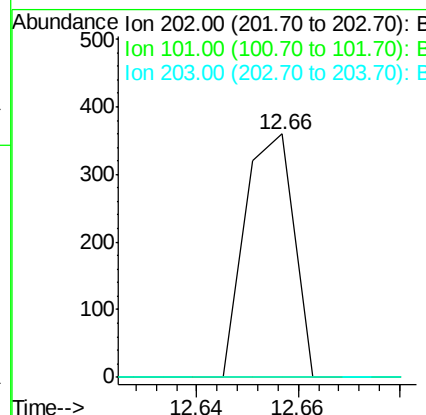
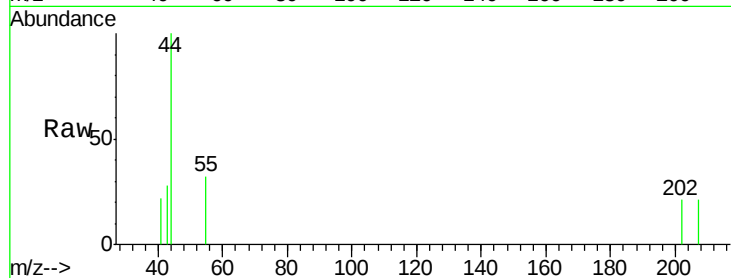




#74
Fluoranthene
Concen: 0.01 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098770.D
Acq: 24 Sep 2017 6:55

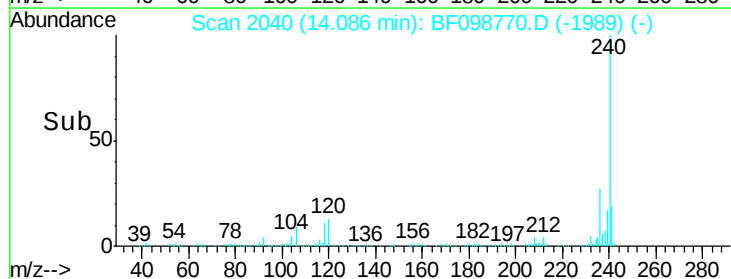
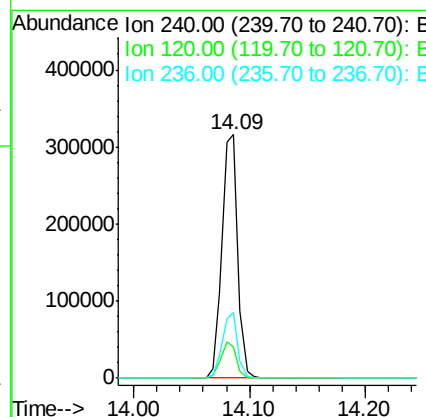
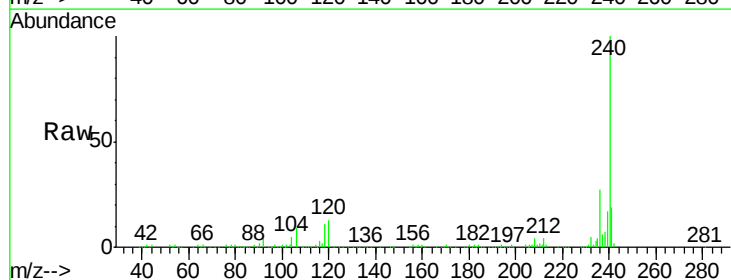
Instrument :
BNA_F
ClientSampleId :

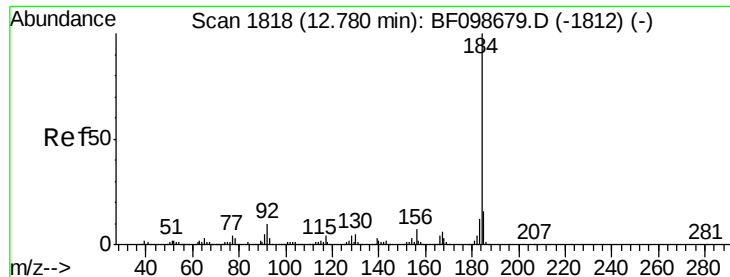
Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.1
203	0.0	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF098770.D
Acq: 24 Sep 2017 6:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.8	20.7	31.1





#76

Benzidine

Concen: 1.07 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.25 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampleId :

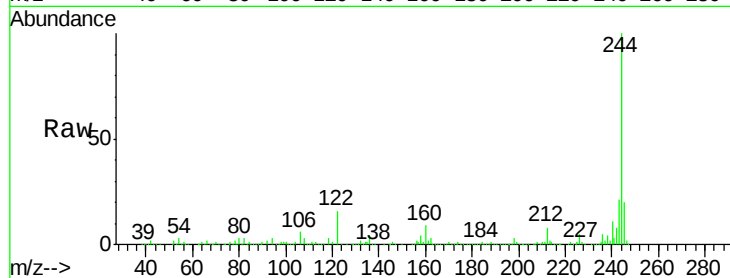
Tot Ion:184 Resp: 11890

Ion Ratio Lower Upper

184 100

185 17.8 12.6 18.8

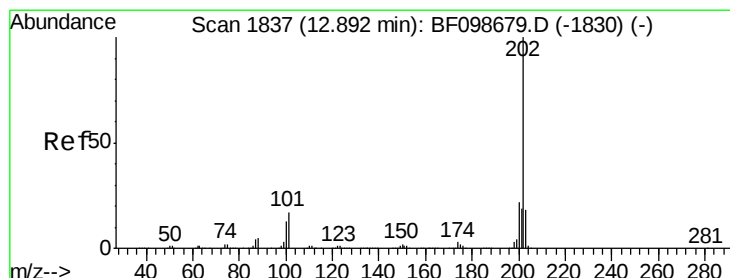
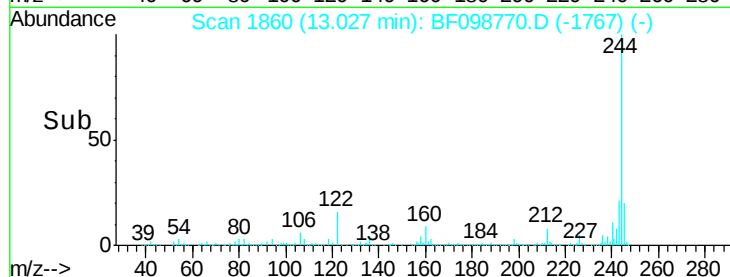
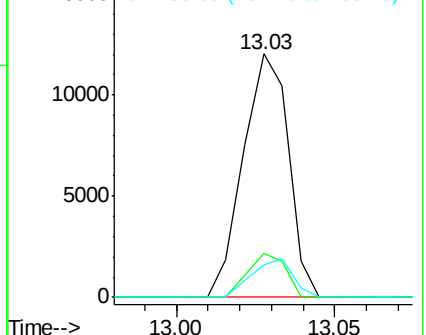
183 13.3 9.3 13.9



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: 0.13 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.14 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

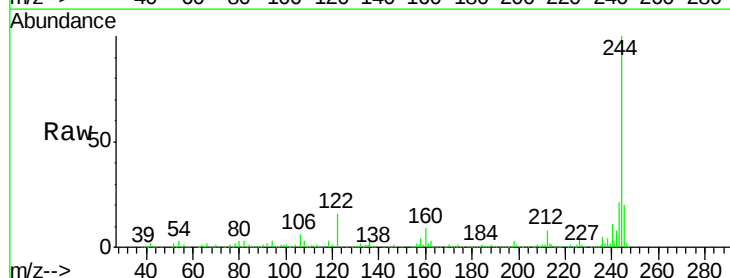
Tgt Ion:202 Resp: 2985

Ion Ratio Lower Upper

202 100

200 61.6 17.4 26.2#

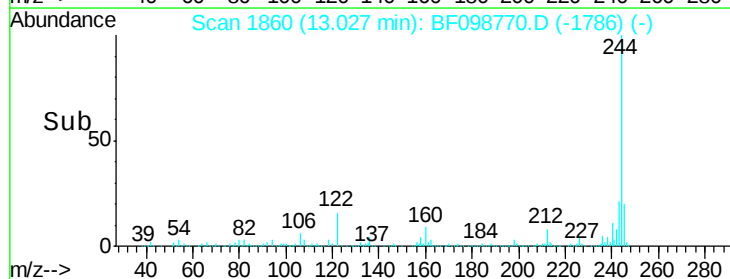
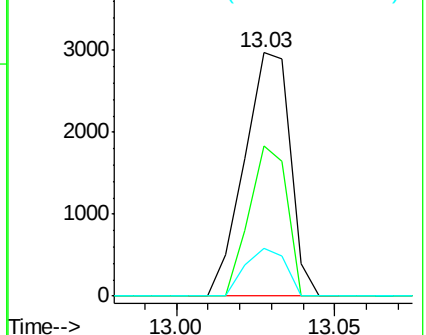
203 19.6 14.3 21.5

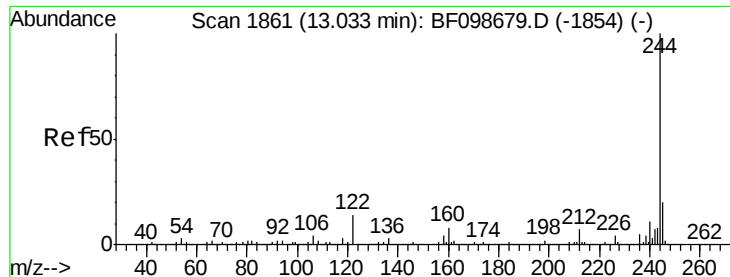


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

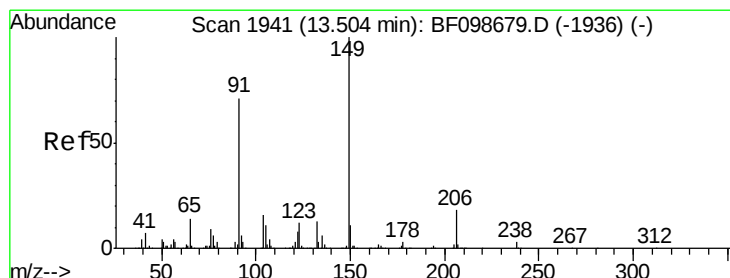
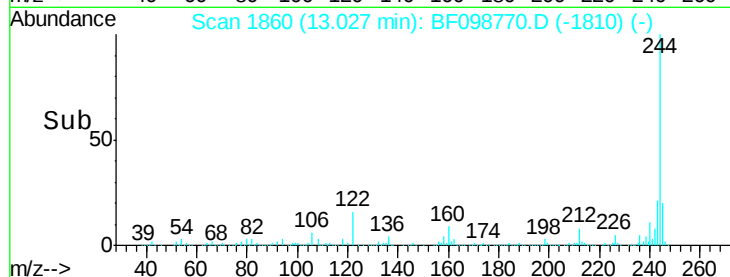
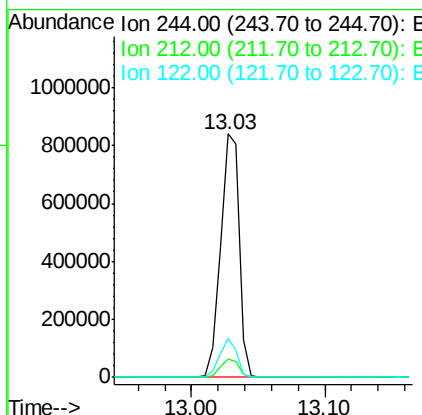
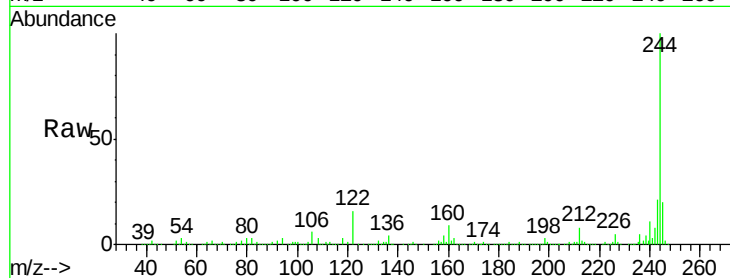




#78
 Terphenyl-d14
 Concen: 62.82 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

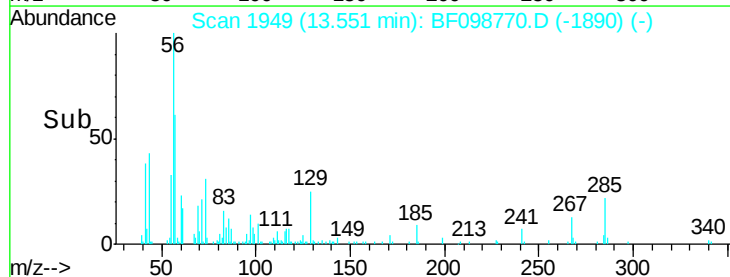
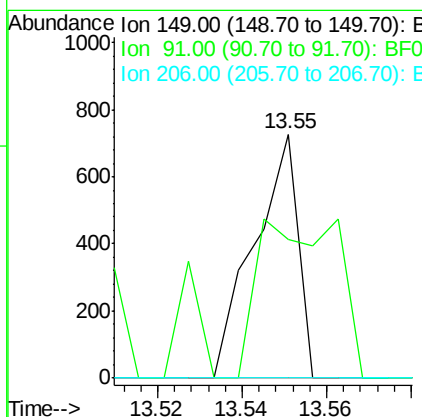
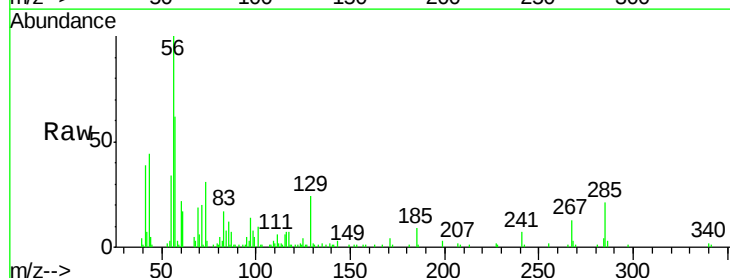
Instrument :
 BNA_F
 ClientSampleId :

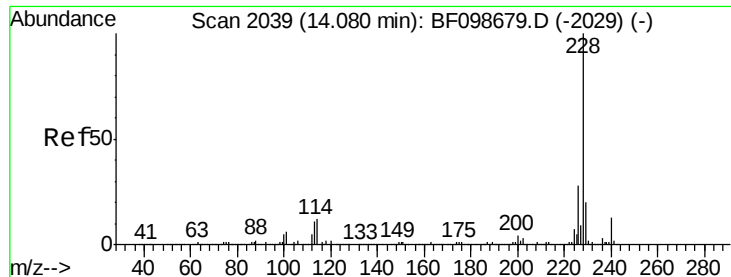
Tot Ion:244 Resp: 827826
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.0
 122 15.7 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 0.05 ng
 RT: 13.55 min Scan# 1949
 Delta R.T. 0.05 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Tgt Ion:149 Resp: 526
 Ion Ratio Lower Upper
 149 100
 91 56.7 56.8 85.2#
 206 0.0 14.1 21.1#





#80

Benzo(a)anthracene

Concen: 0.03 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampled :

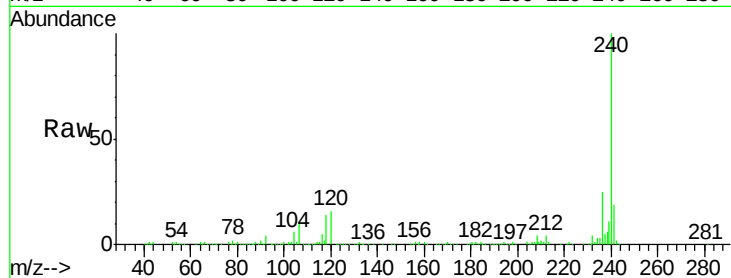
Tot Ion:228 Resp: 625

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

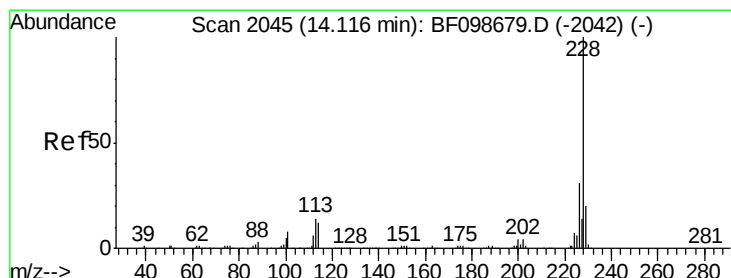
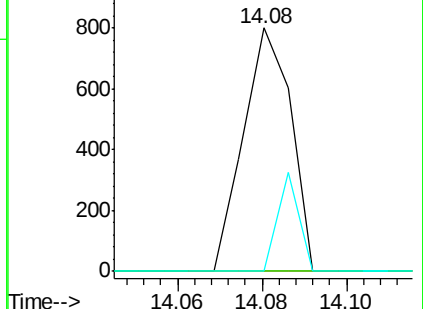
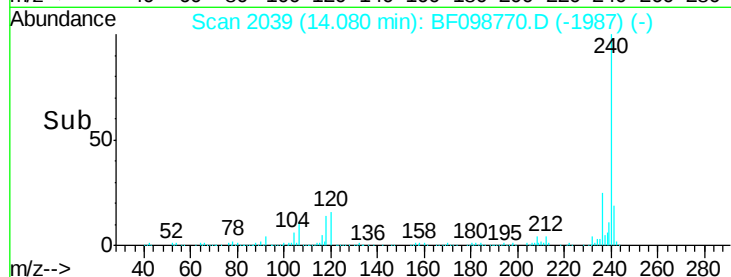
229 0.0 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.04 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.04 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

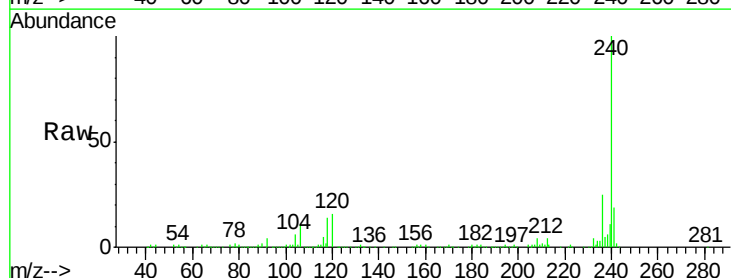
Tgt Ion:228 Resp: 625

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

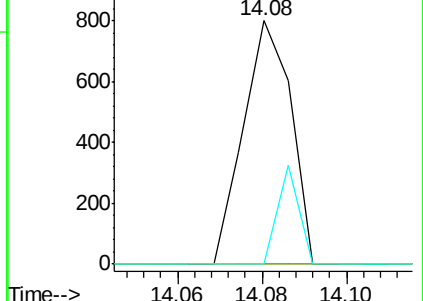
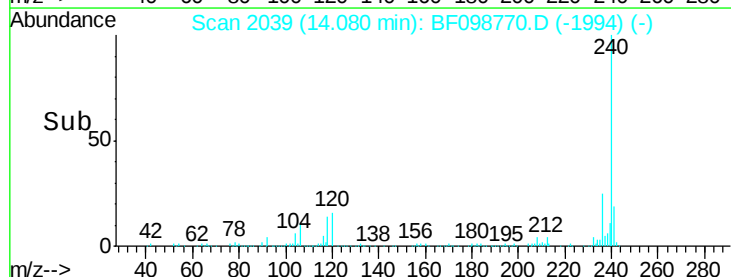
229 0.0 16.2 24.4#

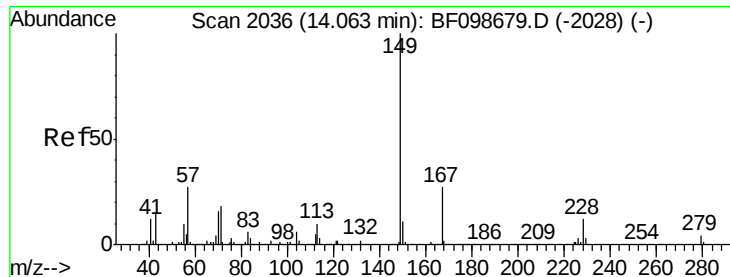


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

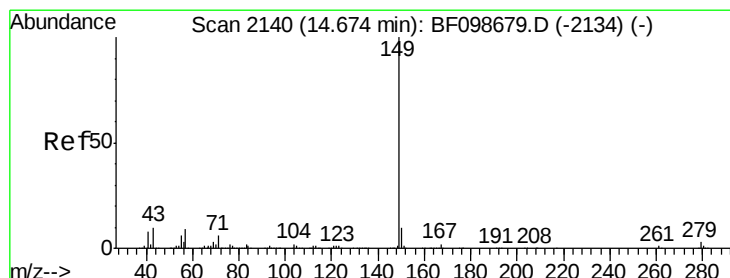
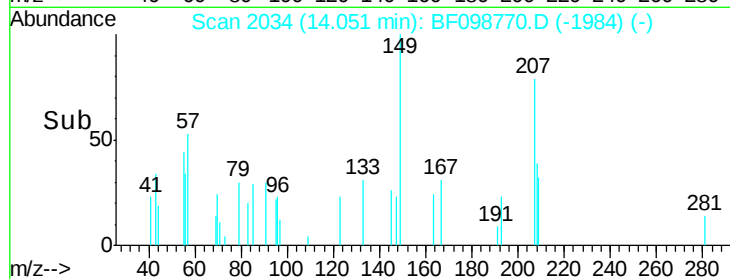
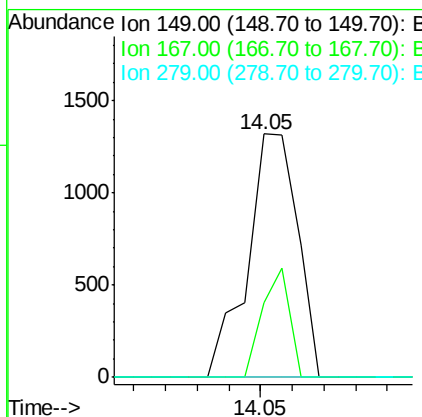
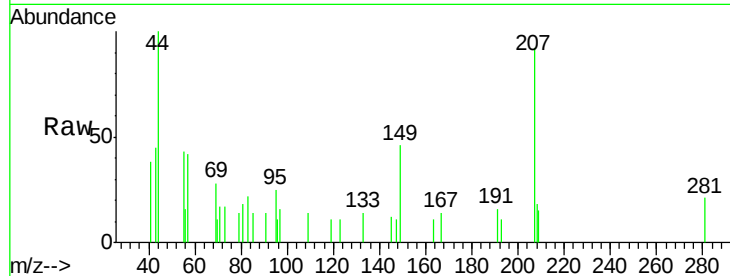




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.10 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

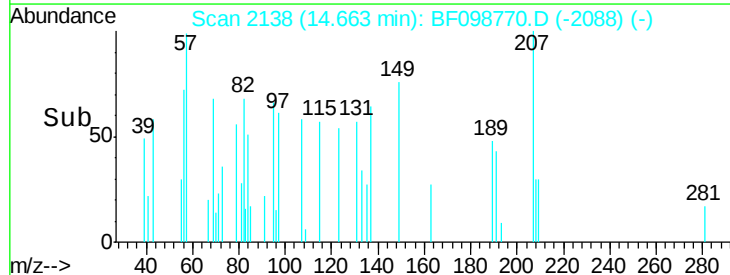
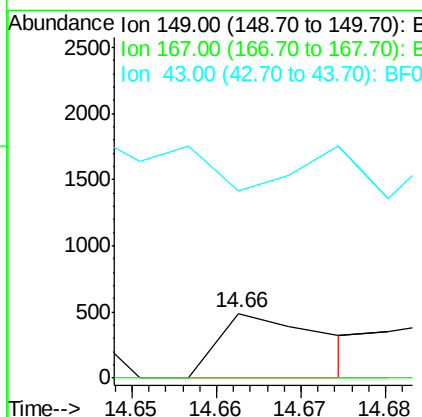
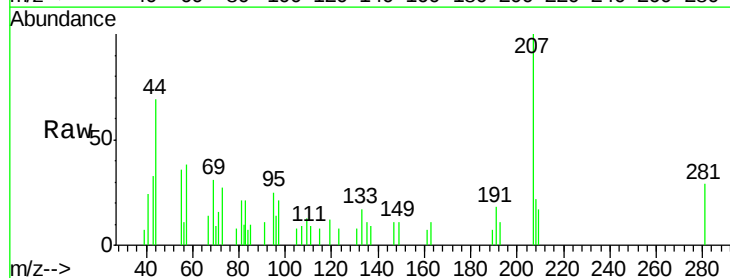
Instrument :
 BNA_F
 ClientSampleId :

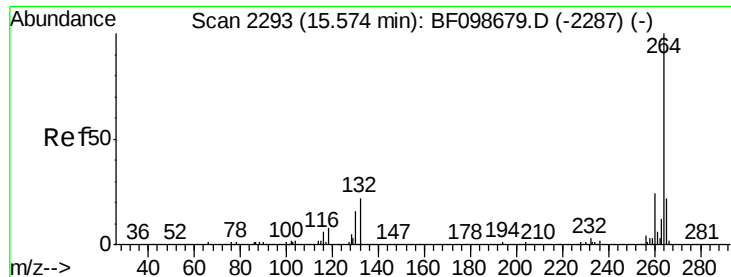
Tot Ion:149 Resp: 1448
 Ion Ratio Lower Upper
 149 100
 167 30.6 21.3 31.9
 279 0.0 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 0.02 ng
 RT: 14.66 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BF098770.D
 Acq: 24 Sep 2017 6:55

Tgt Ion:149 Resp: 421
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 8.4 12.6#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

Instrument :

BNA_F

ClientSampled :

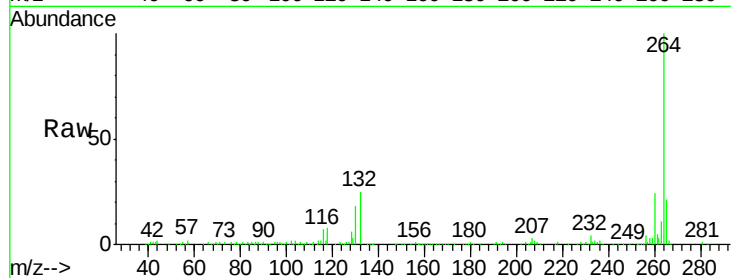
Tot Ion:264 Resp: 226363

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

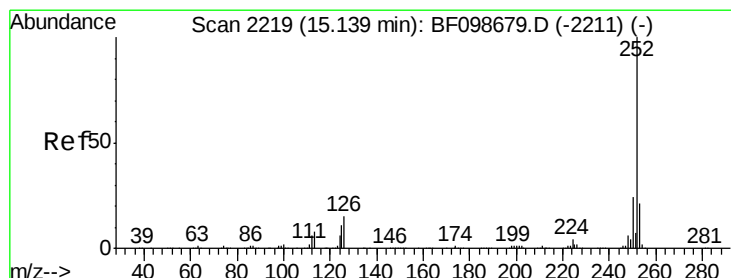
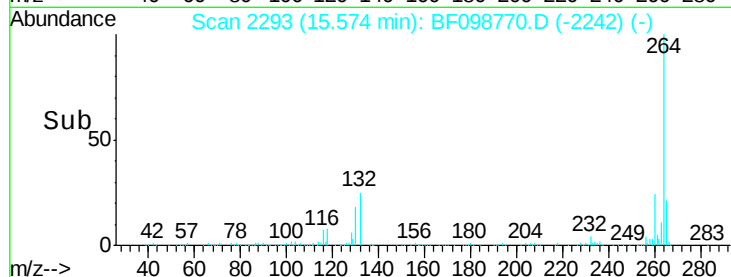
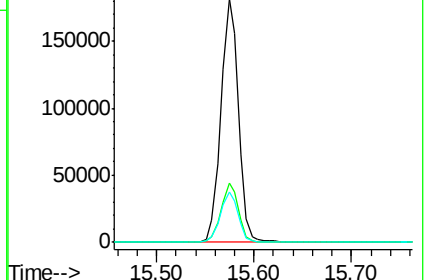
265 20.6 17.5 26.3



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: 0.01 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF098770.D

Acq: 24 Sep 2017 6:55

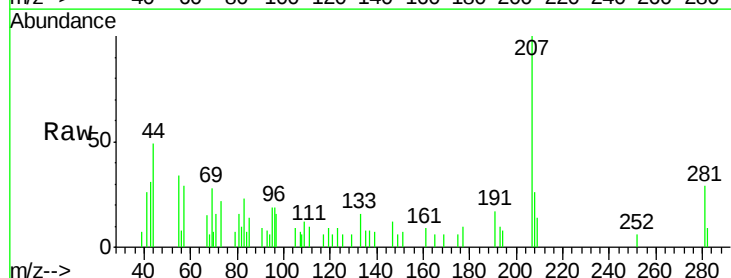
Tgt Ion:252 Resp: 111

Ion Ratio Lower Upper

252 100

253 0.0 17.0 25.6#

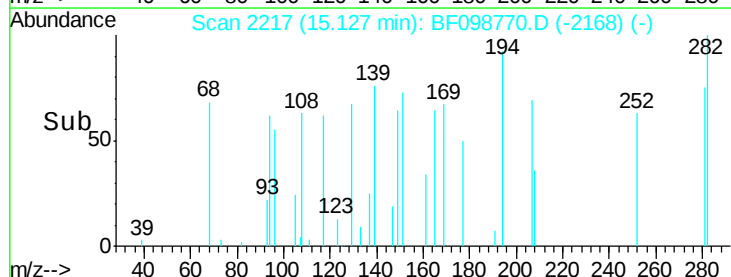
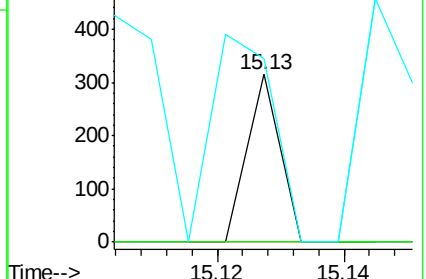
125 109.8 9.0 13.6#

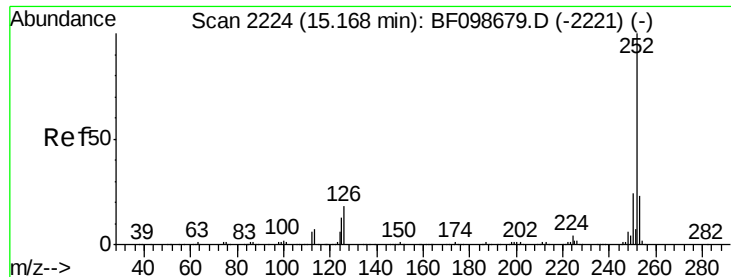


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

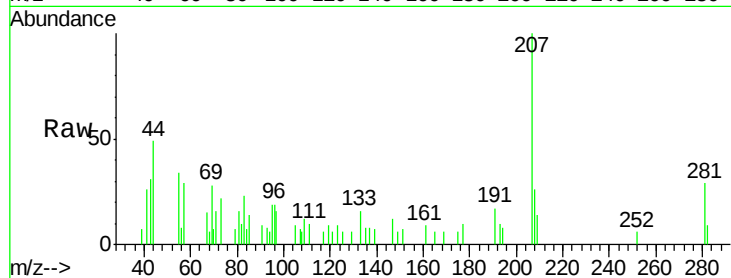




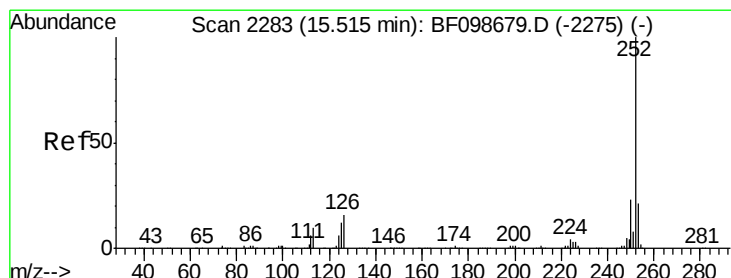
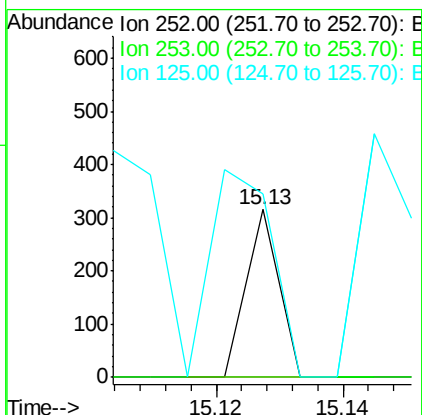
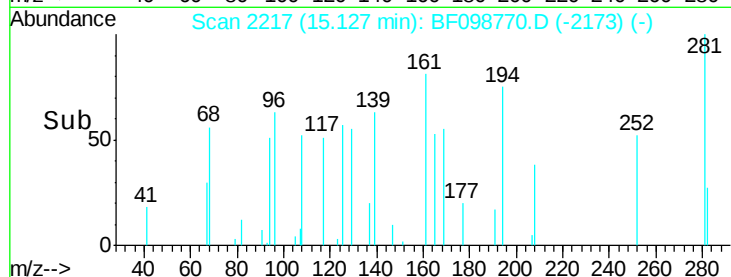
#88
Benzo(k)fluoranthene
Concen: 0.01 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF098770.D
Acq: 24 Sep 2017 6:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 111
Ion Ratio Lower Upper
252 100
253 0.0 17.9 26.9#
125 109.8 10.2 15.2#

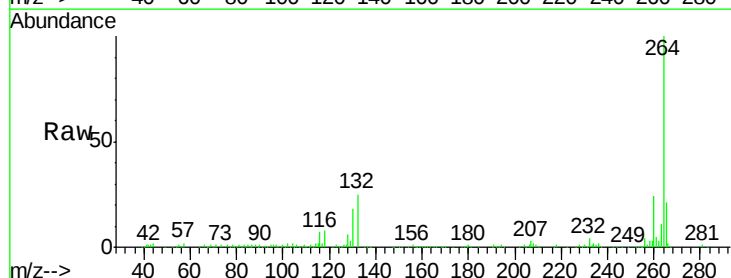


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 0.06 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.06 min
Lab File: BF098770.D
Acq: 24 Sep 2017 6:55

Tgt Ion:252 Resp: 705
Ion Ratio Lower Upper
252 100
253 43.9 17.1 25.7#
125 75.5 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

