

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098769.D
 Acq On : 24 Sep 2017 6:27
 Operator : SJ/JU
 Sample : I5298-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 05:07:26 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	130633	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	456409	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	161622	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	267501	20.00	ng	0.00
75) Chrysene-d12	14.09	240	264173	20.00	ng	0.00
86) Perylene-d12	15.57	264	206729	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	273418	33.32	ng	0.00
7) Phenol-d6	6.53	99	240470	23.75	ng	-0.01
23) Nitrobenzene-d5	7.49	82	763036	107.21	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	102279	77.34	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	1189865	122.90	ng	0.00
78) Terphenyl-d14	13.03	244	924342	79.57	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	106	0.03	ng	# 64
4) n-Nitrosodimethylamine	3.50	42	110	0.02	ng	# 1
6) Aniline	6.69	93	684	0.05	ng	# 1
9) Benzaldehyde	6.53	77	437	0.07	ng	# 1
10) Phenol	6.55	94	8435	0.75	ng	94
11) bis(2-Chloroethyl)ether	6.69	93	684	0.08	ng	# 1
12) 1,3-Dichlorobenzene	6.94	146	164	0.02	ng	# 60
13) 1,4-Dichlorobenzene	6.94	146	164	0.02	ng	# 52
14) 1,2-Dichlorobenzene	7.09	146	776	0.08	ng	# 1
15) Benzyl Alcohol	7.08	79	13958	1.88	ng	# 32
17) 2-Methylphenol	7.08	107	123	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	7.49	70	101229	15.66	ng	# 77
20) 3+4-Methylphenols	7.08	107	123	0.01	ng	# 1
22) Acetophenone	7.08	105	113	0.01	ng	# 1
24) Nitrobenzene	7.49	77	2521	0.31	ng	# 35
25) Isophorone	7.49	82	762093	51.79	ng	# 65
30) 1,2,4-Trichlorobenzene	8.14	180	139	0.02	ng	# 12
45) 1,1'-Biphenyl	9.37	154	1996	0.14	ng	89
47) 2-Nitroaniline	9.28	65	1870	0.59	ng	# 1
49) Dimethylphthalate	9.67	163	14866	1.22	ng	98
50) 2,6-Dinitrotoluene	9.96	165	20040	7.55	ng	# 26
51) Acenaphthene	9.96	154	603	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.96	165	20040	5.81	ng	# 24
57) Fluorene	10.75	166	5767	0.53	ng	# 85
59) Diethylphthalate	10.37	149	1537	0.13	ng	# 83
62) Azobenzene	10.75	77	553	0.05	ng	# 5
64) 4,6-Dinitro-2-methylphenol	10.75	198	124	0.08	ng	# 1
65) n-Nitrosodiphenylamine	10.75	169	4032	0.44	ng	# 45
66) 4-Bromophenyl-phenylether	10.75	248	7121	2.72	ng	# 1
70) Phenanthrene	11.47	178	230	0.02	ng	# 59
71) Anthracene	11.47	178	230	0.02	ng	# 60
73) Di-n-butylphthalate	12.00	149	5139	0.30	ng	# 94
74) Fluoranthene	12.66	202	114	0.01	ng	62
76) Benzidine	13.03	184	13475	1.38	ng	# 94

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QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

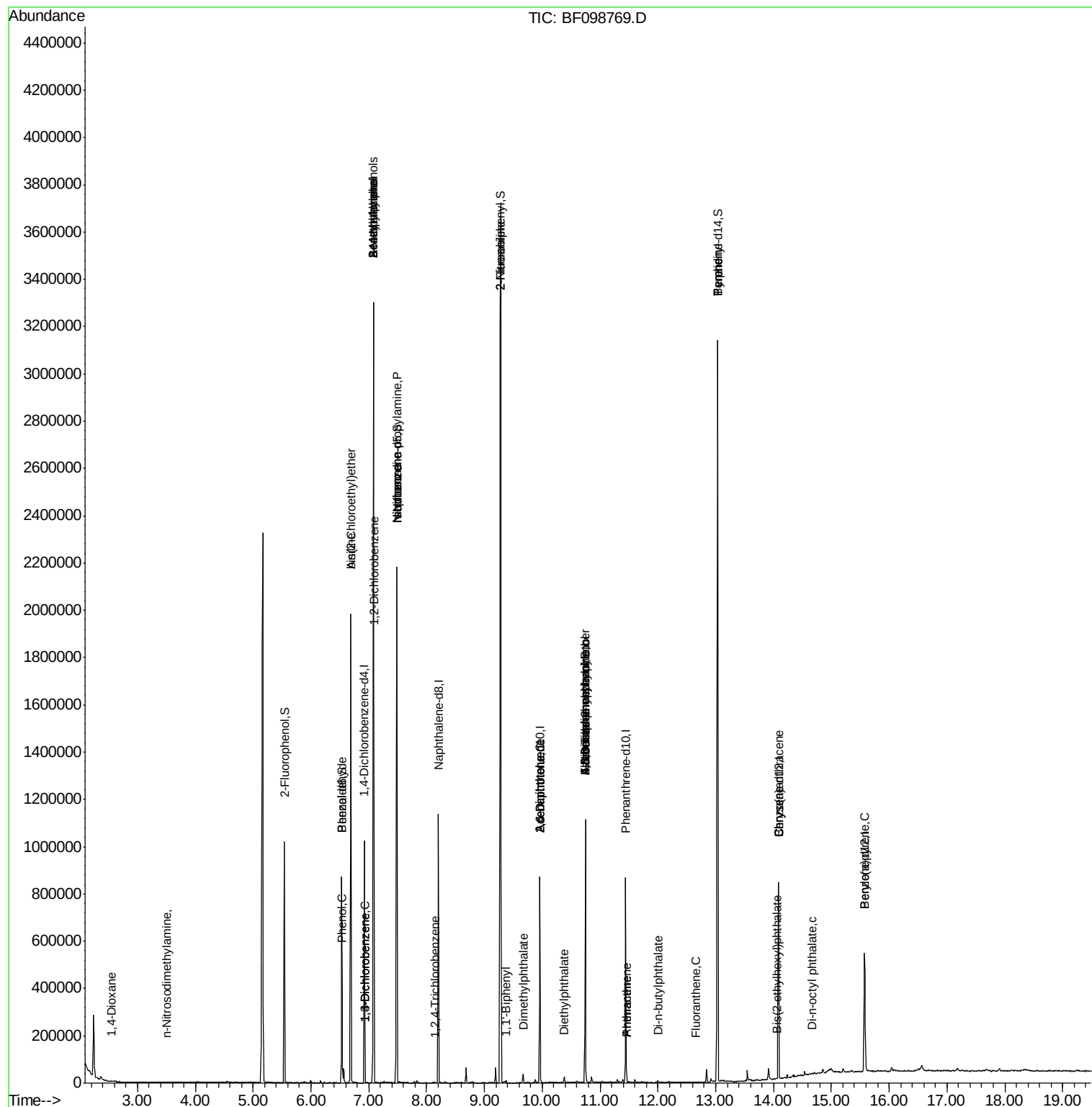
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Pyrene	13.03	202	3252	0.16	ng	# 57
80) Benzo(a)anthracene	14.09	228	752	0.05	ng	# 37
82) Chrysene	14.09	228	752	0.05	ng	# 36
83) Bis(2-ethylhexyl)phthalate	14.06	149	1436	0.11	ng	# 82
84) Di-n-octyl phthalate	14.67	149	593	0.03	ng	# 1
89) Benzo(a)pyrene	15.57	252	752	0.06	ng	# 15

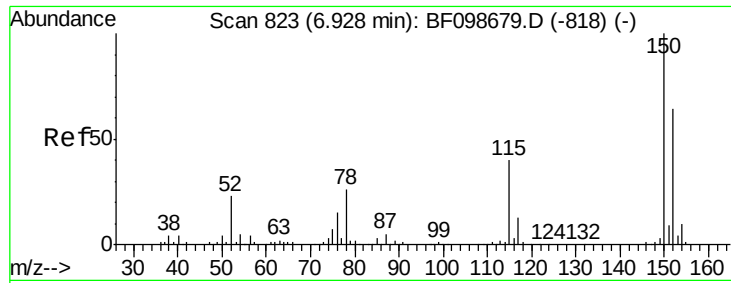
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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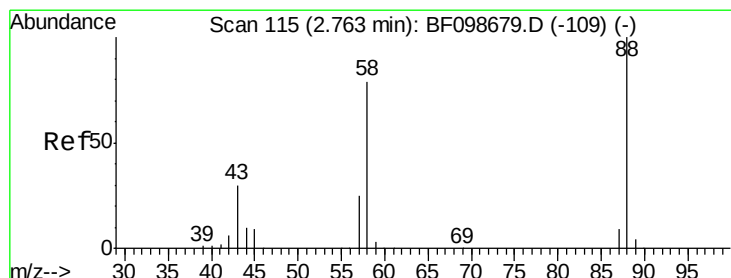
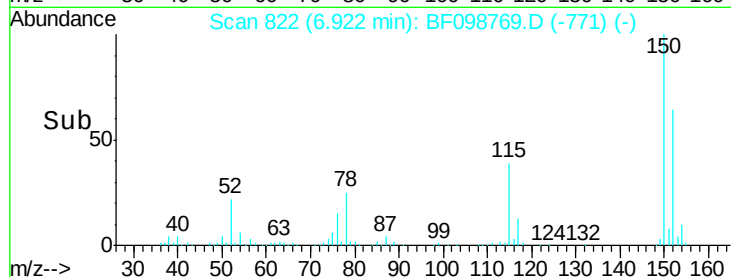
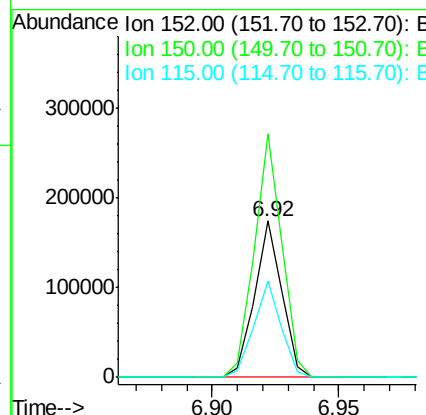
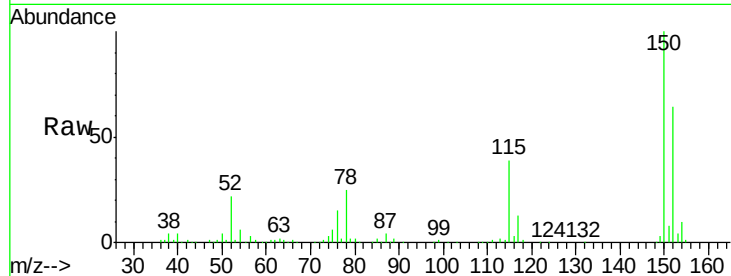




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.92 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

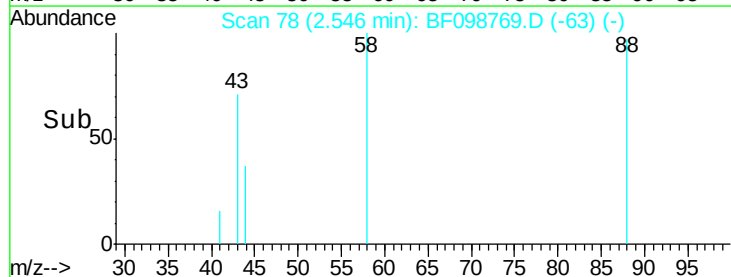
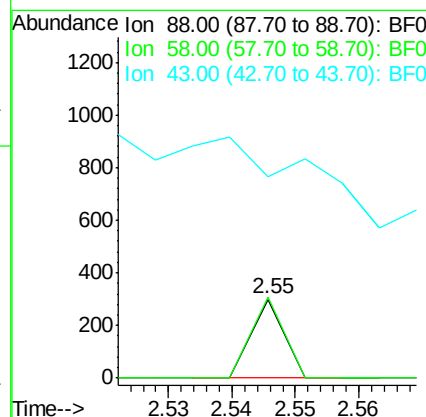
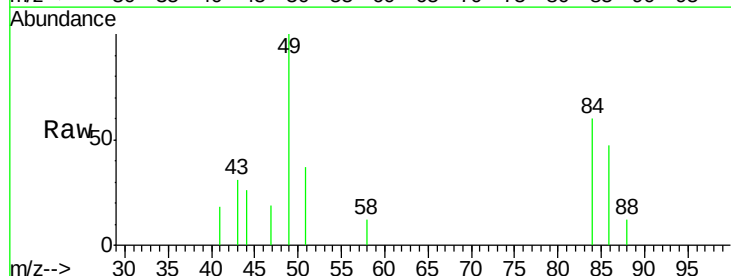
Instrument :
 BNA_F
 ClientSampleId :

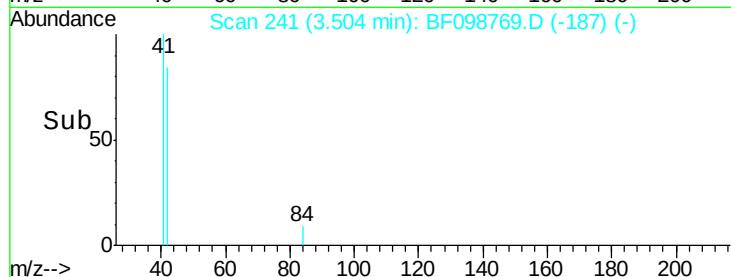
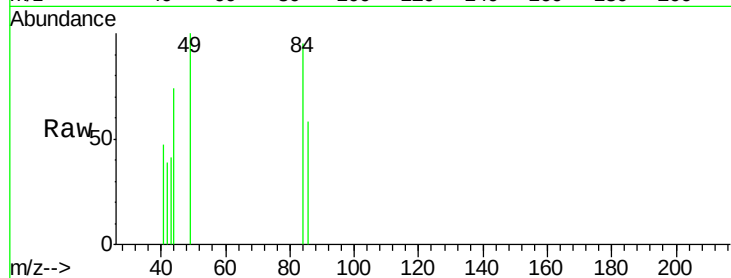
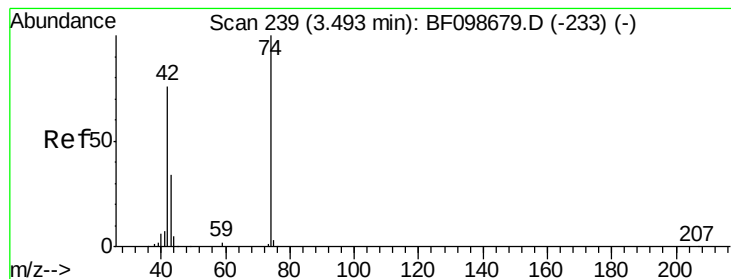
Tot Ion:152 Resp: 130633
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.6 186.8
 115 61.4 50.1 75.1



#2
 1,4-Dioxane
 Concen: 0.03 ng
 RT: 2.55 min Scan# 78
 Delta R.T. -0.21 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Tgt Ion: 88 Resp: 106
 Ion Ratio Lower Upper
 88 100
 58 102.8 62.6 93.8#
 43 0.0 24.6 37.0#





#4

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.02 min

Lab File: BF098769.D

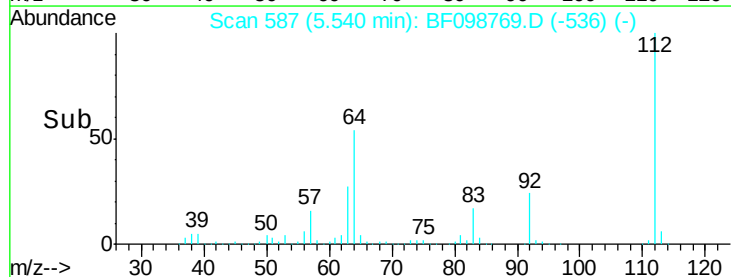
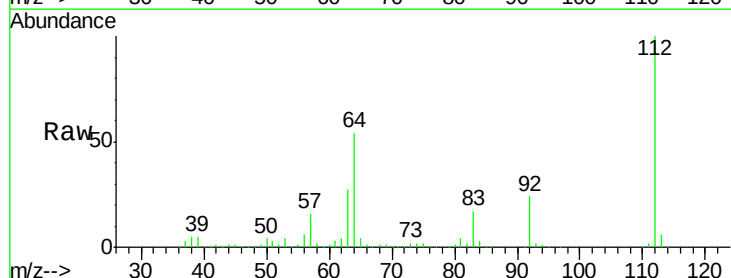
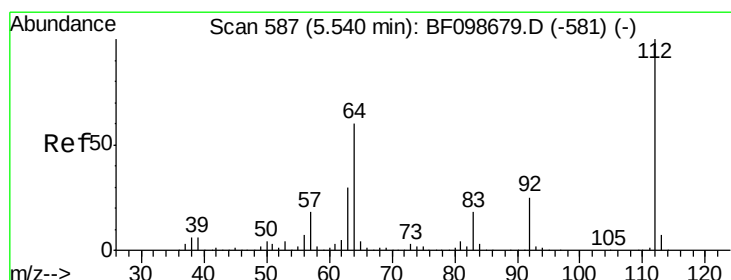
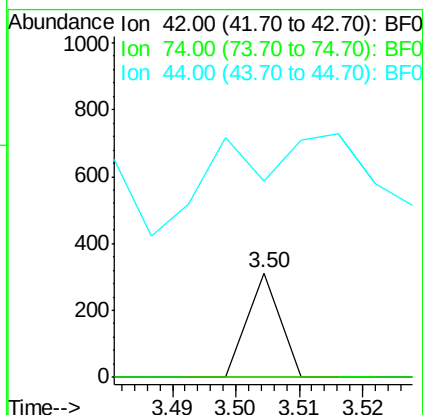
Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:	42	Resp:	110
Ion	Ratio	Lower	Upper
42	100		
74	0.0	104.9	157.3#
44	188.1	6.9	10.3#



#5

2-Fluorophenol

Concen: 33.32 ng

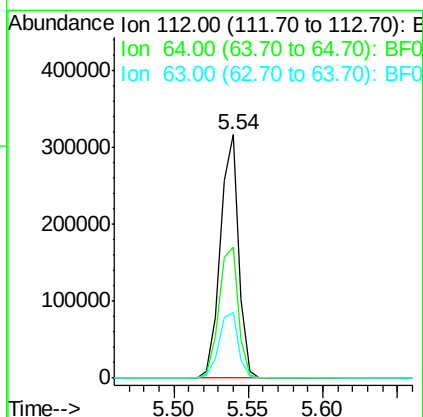
RT: 5.54 min Scan# 587

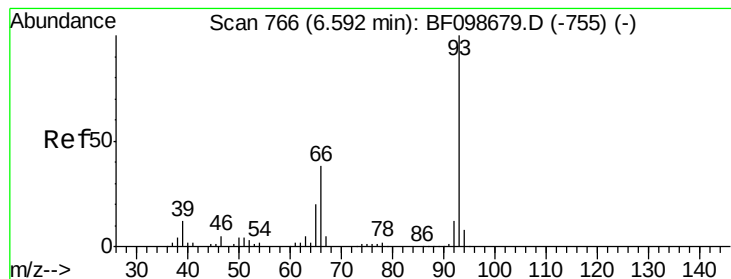
Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Tgt Ion:	112	Resp:	273418
Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	27.1	23.7	35.5





#6

Aniline

Concen: 0.05 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.10 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

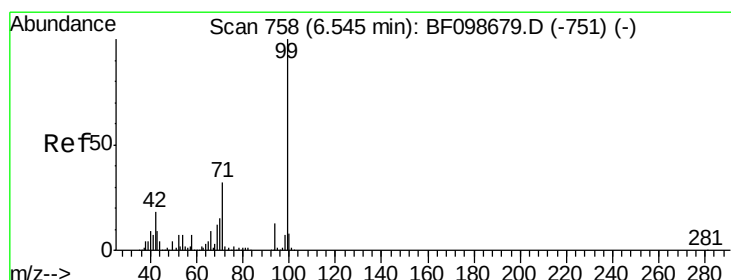
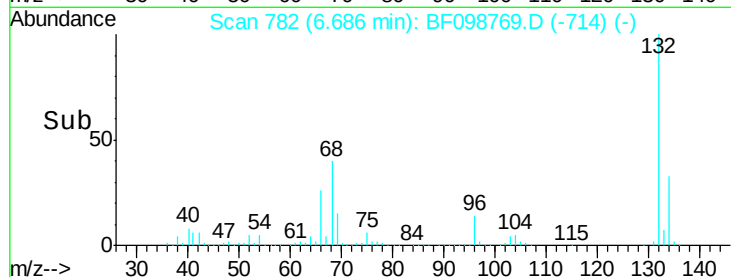
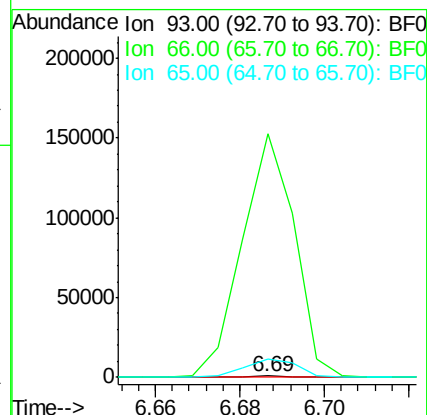
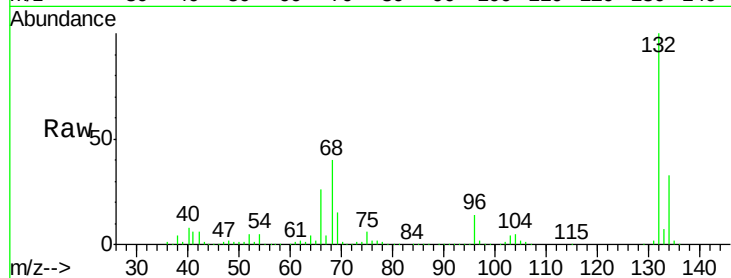
Tot Ion: 93 Resp: 684

Ion Ratio Lower Upper

93 100

66 16519.5 32.2 48.2#

65 1227.8 16.4 24.6#



#7

Phenol-d6

Concen: 23.75 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

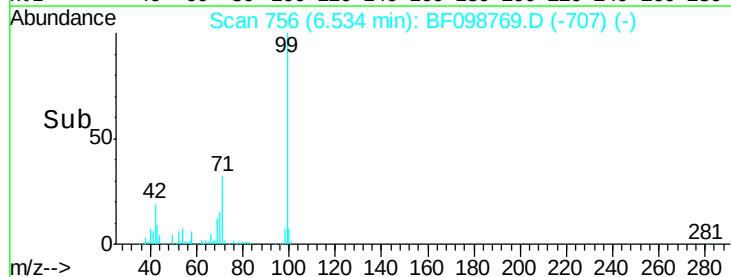
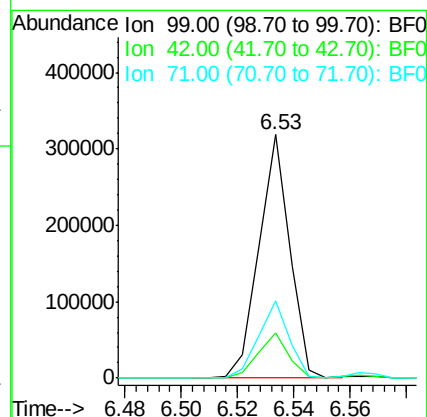
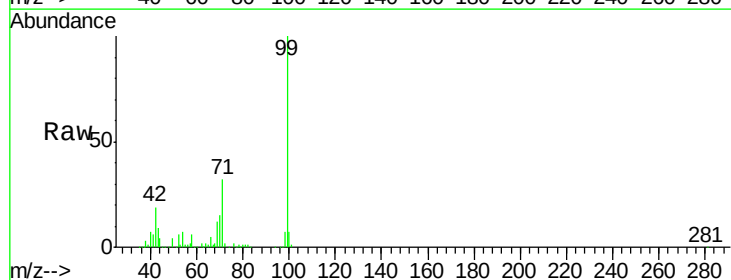
Tgt Ion: 99 Resp: 240470

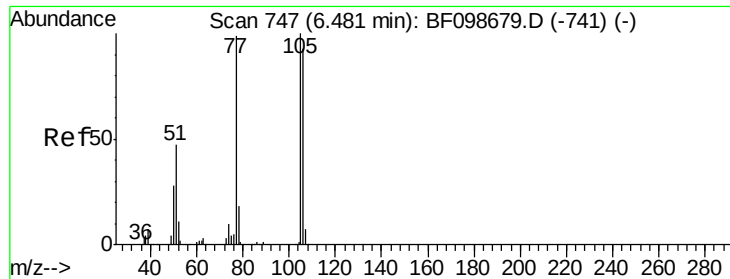
Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 31.6 25.4 38.0





#9

Benzaldehyde

Concen: 0.07 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.06 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampled :

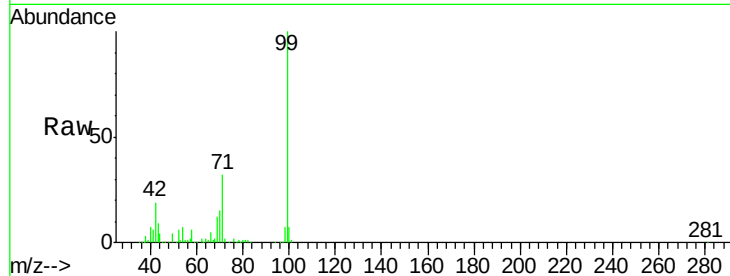
Tot Ion: 77 Resp: 437

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

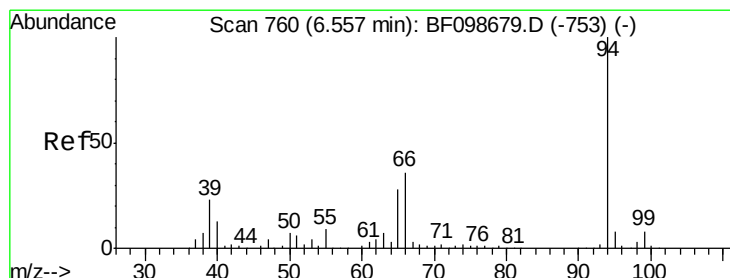
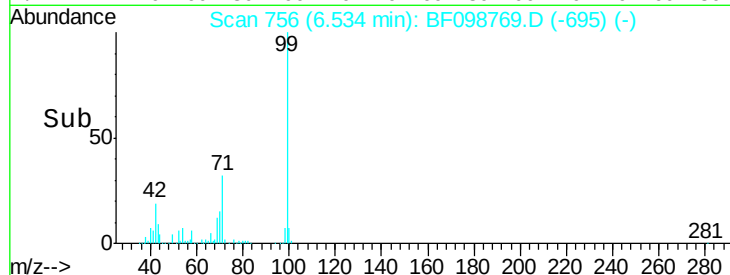
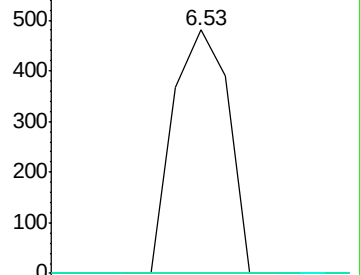
106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 0.75 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

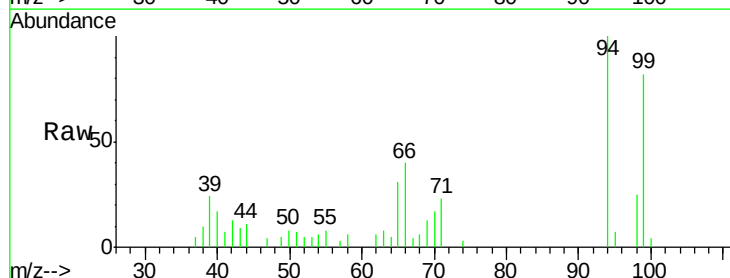
Tgt Ion: 94 Resp: 8435

Ion Ratio Lower Upper

94 100

65 30.7 7.9 47.9

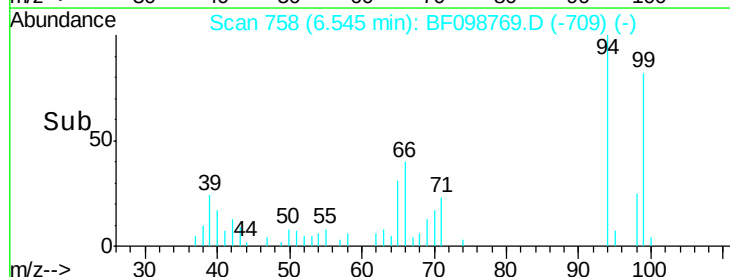
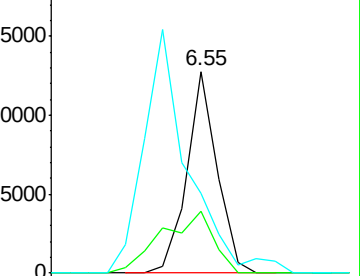
66 39.7 16.2 56.2

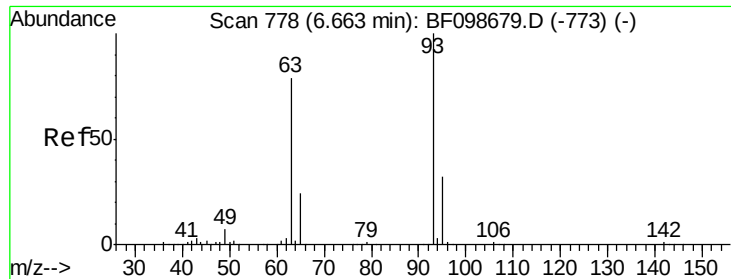


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

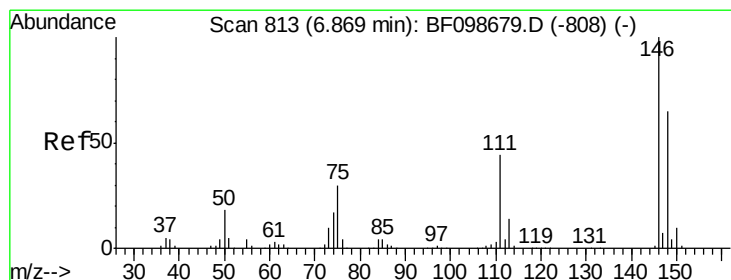
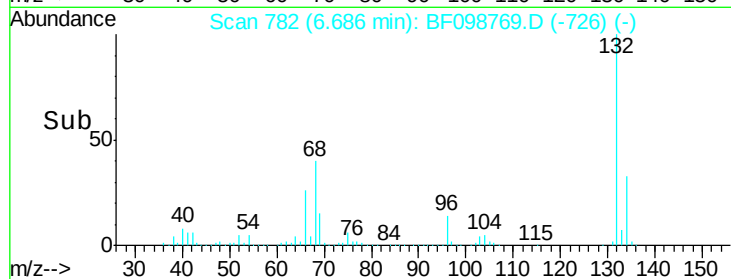
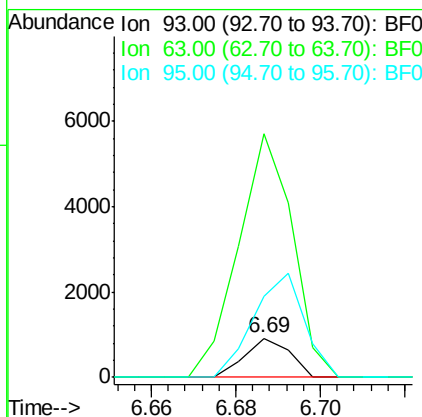
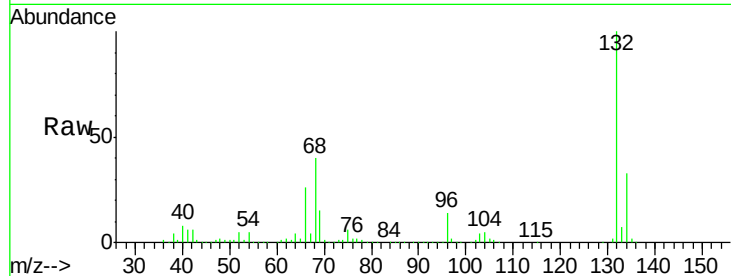




#11
bis(2-Chloroethyl)ether
Concen: 0.08 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.03 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

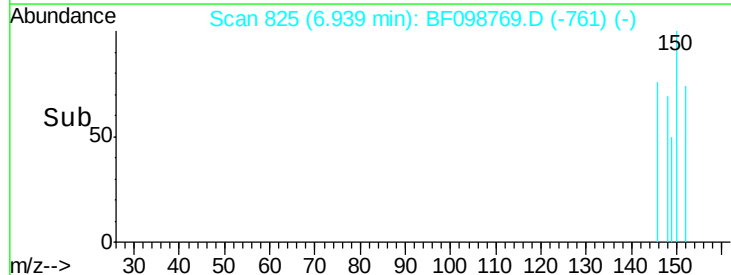
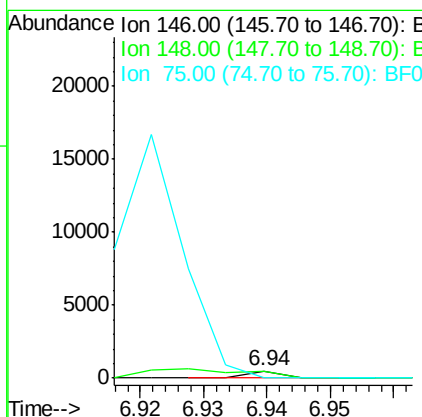
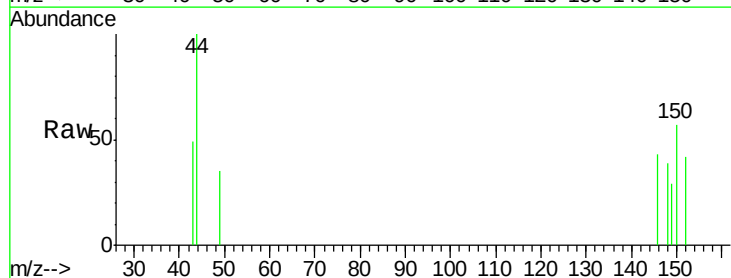
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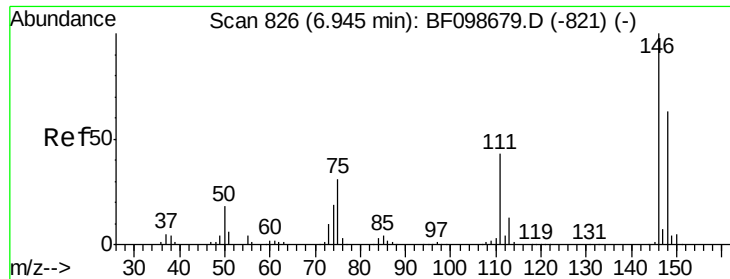
Tot Ion: 93 Resp: 684
Ion Ratio Lower Upper
93 100
63 617.2 58.6 98.6#
95 206.1 11.8 51.8#



#12
1,3-Dichlorobenzene
Concen: 0.02 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.08 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion: 146 Resp: 164
Ion Ratio Lower Upper
146 100
148 90.8 51.8 77.8#
75 0.0 24.2 36.4#

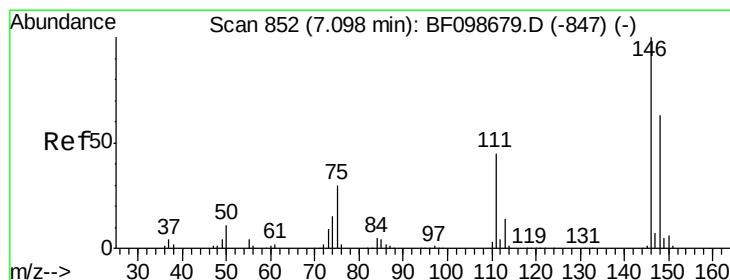
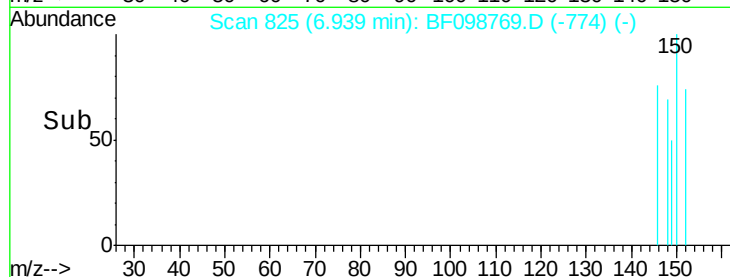
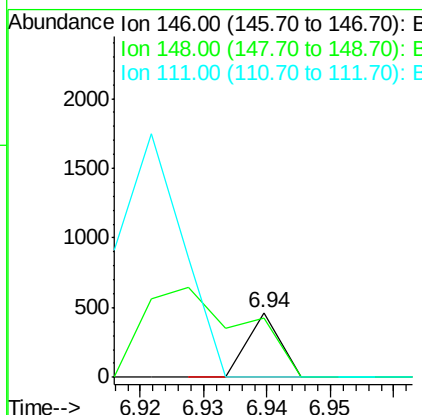
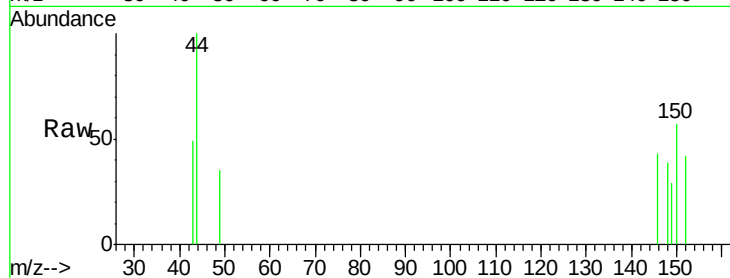




#13
 1,4-Dichlorobenzene
 Concen: 0.02 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

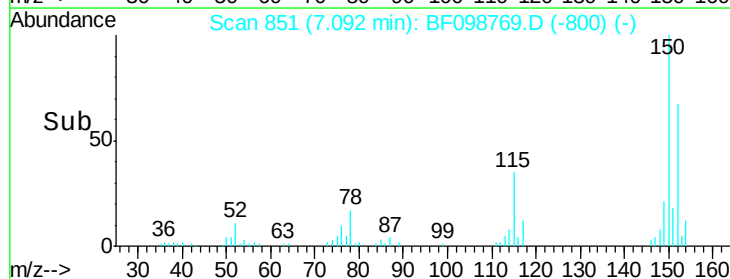
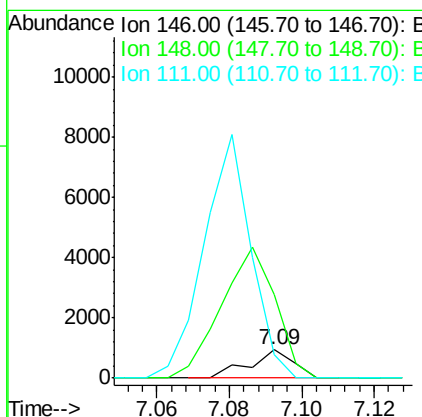
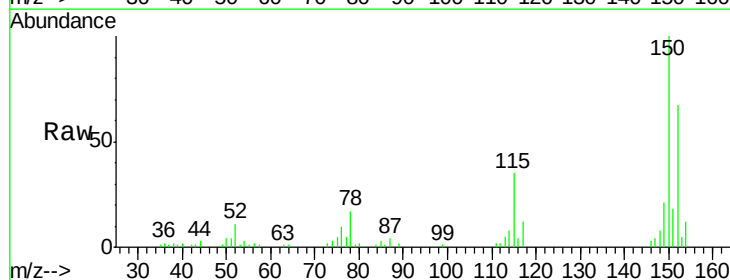
Instrument :
 BNA_F
 ClientSampled :

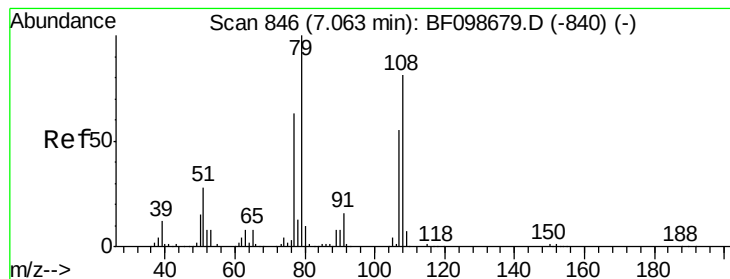
Tot Ion:146 Resp: 164
 Ion Ratio Lower Upper
 146 100
 148 90.8 50.8 76.2#
 111 0.0 34.2 51.2#



#14
 1,2-Dichlorobenzene
 Concen: 0.08 ng
 RT: 7.09 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Tgt Ion:146 Resp: 776
 Ion Ratio Lower Upper
 146 100
 148 297.1 50.6 75.8#
 111 82.5 36.0 54.0#





#15

Benzyl Alcohol

Concen: 1.88 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.02 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampled :

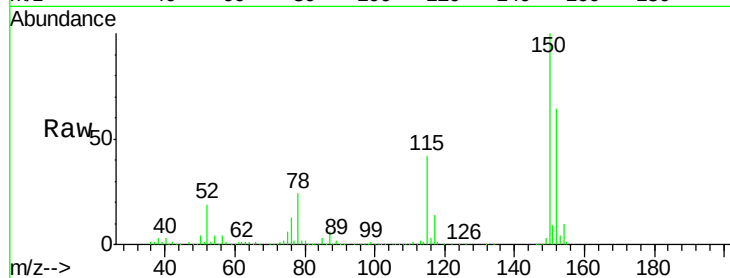
Tot Ion: 79 Resp: 13958

Ion Ratio Lower Upper

79 100

108 28.5 65.1 97.7#

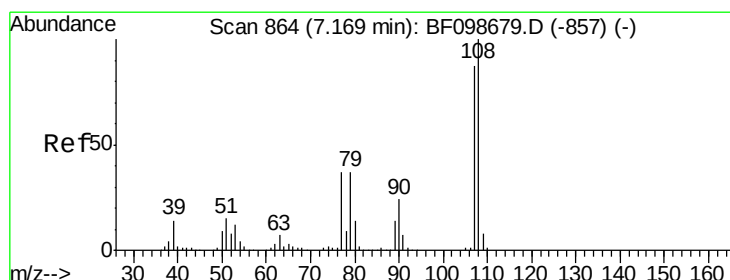
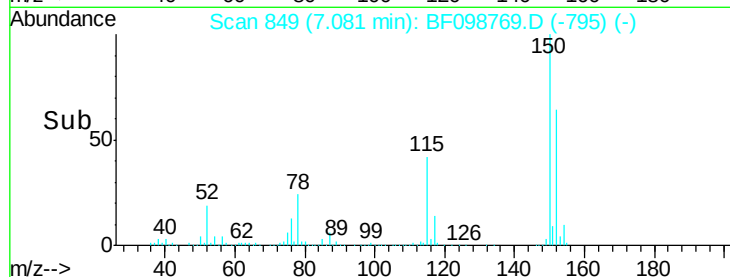
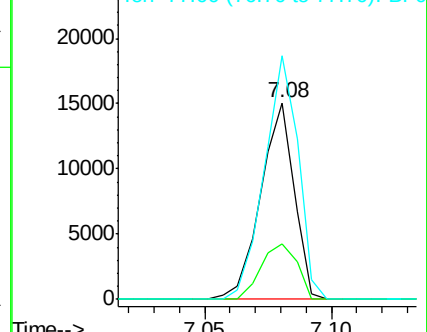
77 123.8 50.6 75.8#



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



#17

2-Methylphenol

Concen: 0.02 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.08 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Tgt Ion: 107 Resp: 123

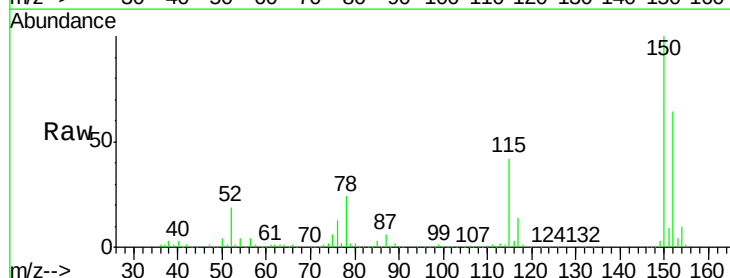
Ion Ratio Lower Upper

107 100

108 1230.7 91.7 137.5#

77 5347.9 33.8 50.8#

79 4319.5 33.8 50.8#

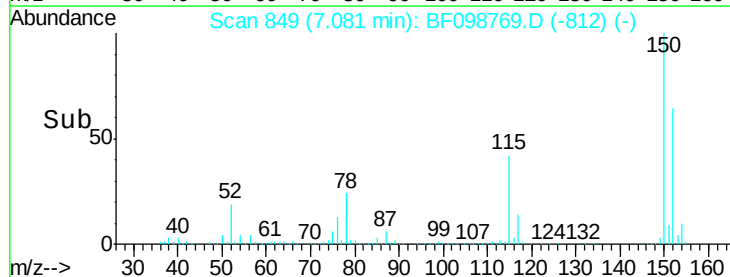
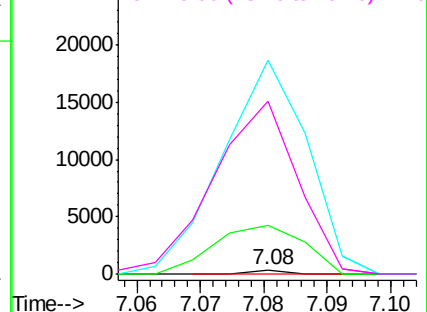


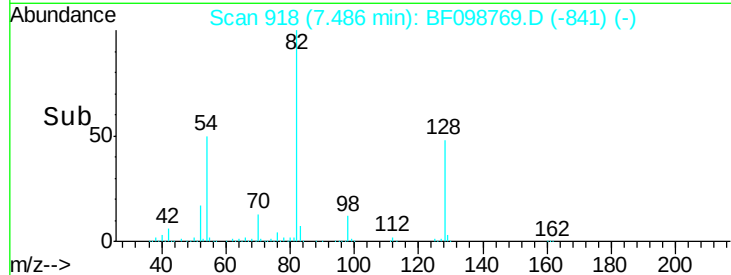
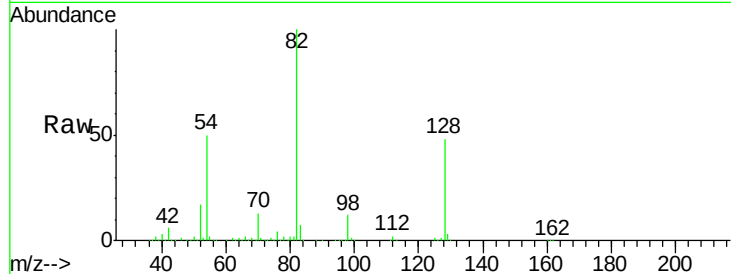
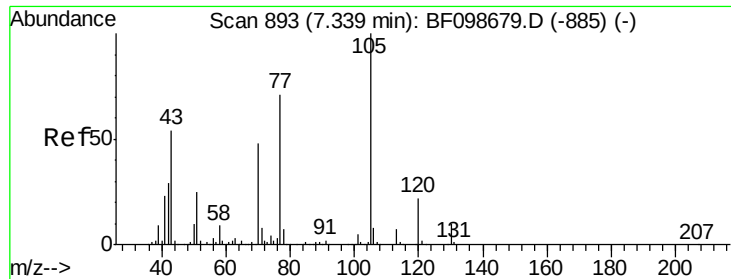
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

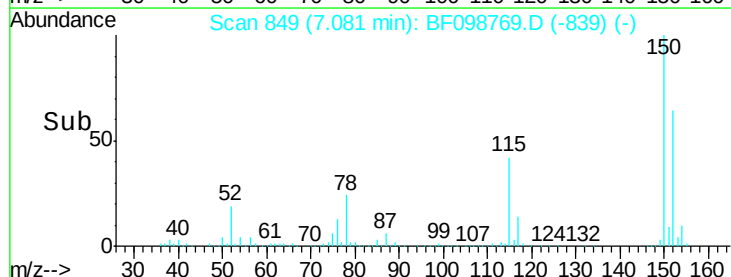
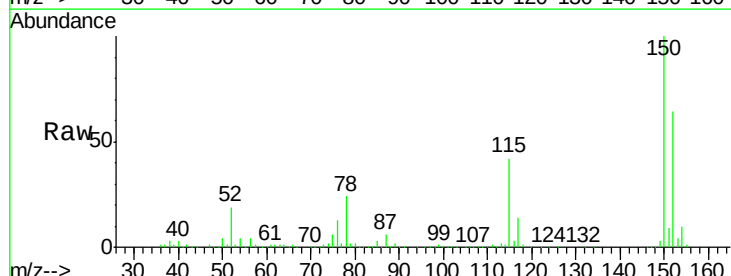
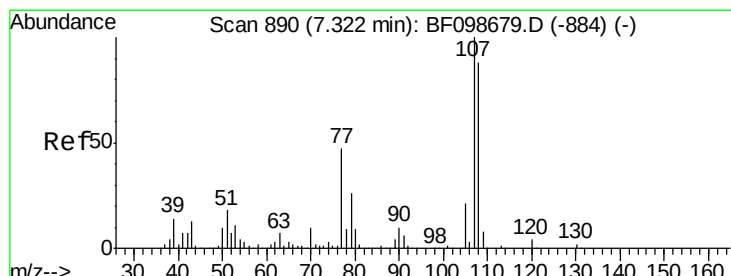
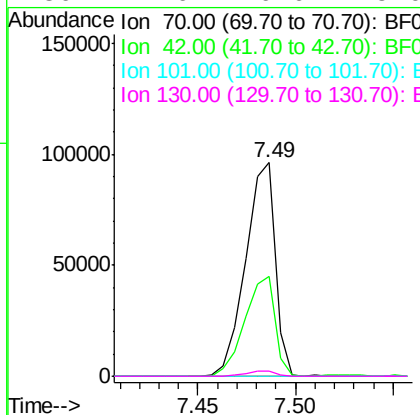




#19
n-Nitroso-di-n-propylamine
Concen: 15.66 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

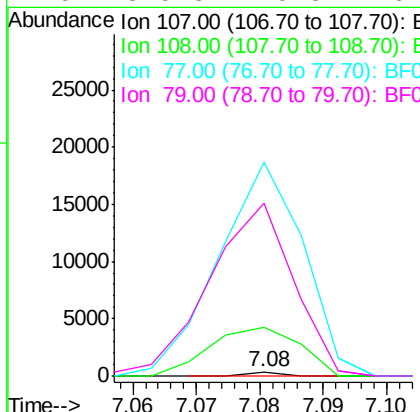
Instrument :
BNA_F
ClientSampled :

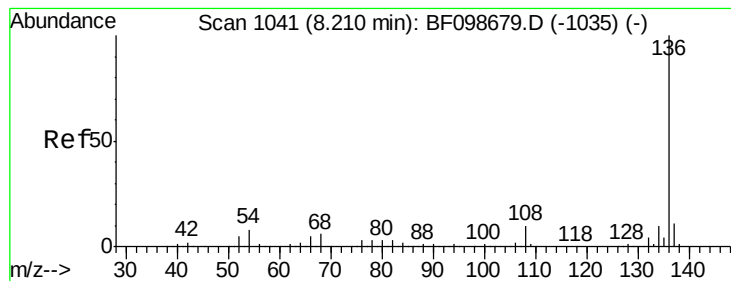
Tot Ion:	70	Resp:	101229
Ion	Ratio	Lower	Upper
70	100		
42	46.8	47.5	71.3#
101	0.0	7.4	11.2#
130	2.6	16.6	25.0#



#20
3+4-Methylphenols
Concen: 0.01 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.24 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion:	107	Resp:	123
Ion	Ratio	Lower	Upper
107	100		
108	1230.7	68.2	108.2#
77	5347.9	26.7	66.7#
79	4319.5	6.3	46.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 456409

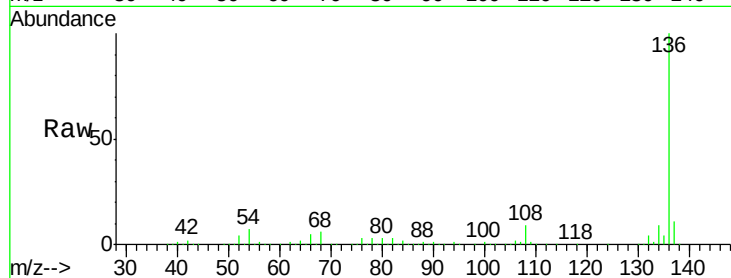
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.3 6.6 9.8

68 5.9 5.0 7.4

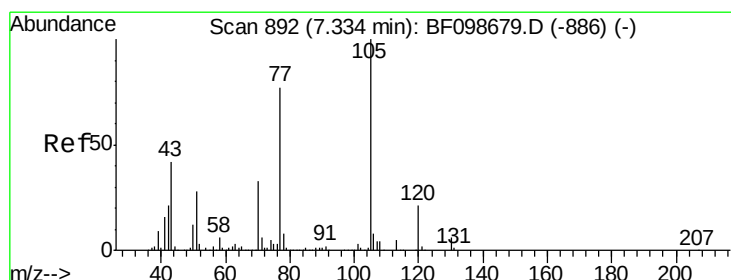
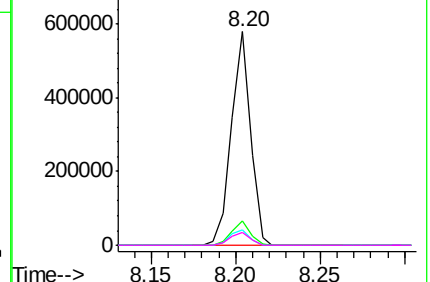
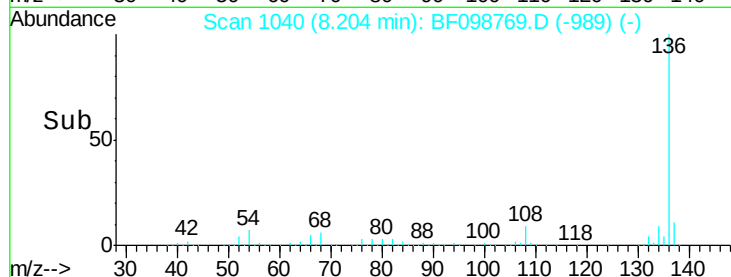


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.08 min Scan# 849

Delta R.T. -0.25 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Tgt Ion:105 Resp: 113

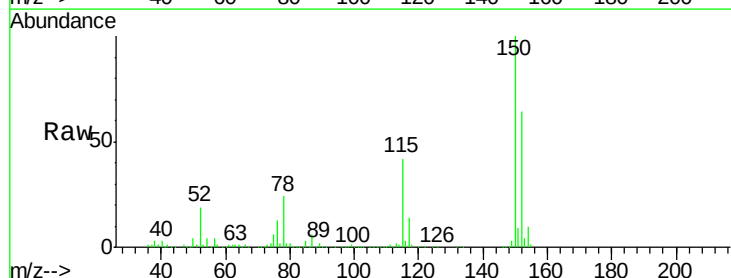
Ion Ratio Lower Upper

105 100

71 473.8 4.4 6.6#

51 2271.9 22.3 33.5#

120 282.2 16.9 25.3#

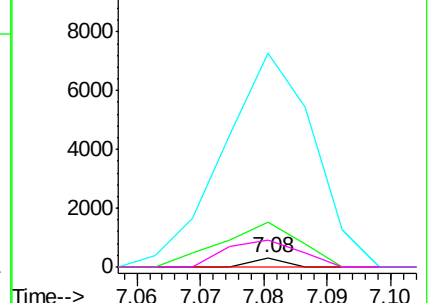
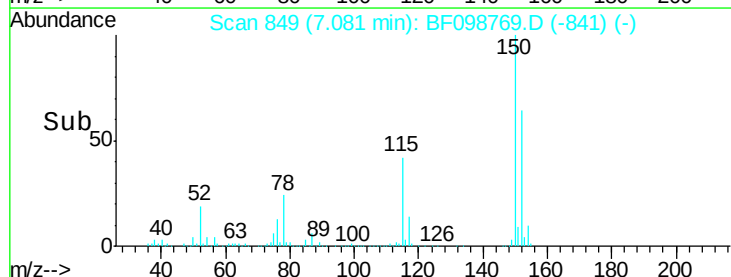


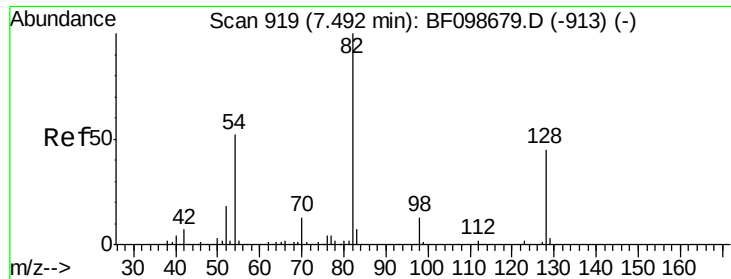
Abundance Ion 105.00 (104.70 to 105.70): E

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

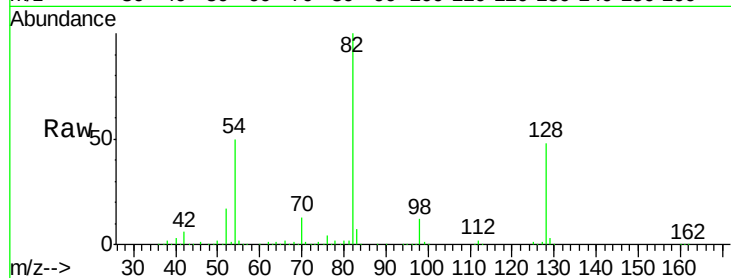




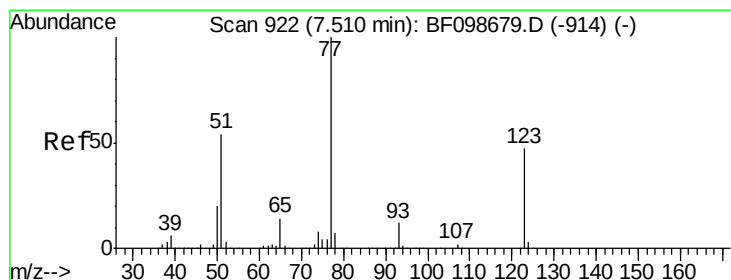
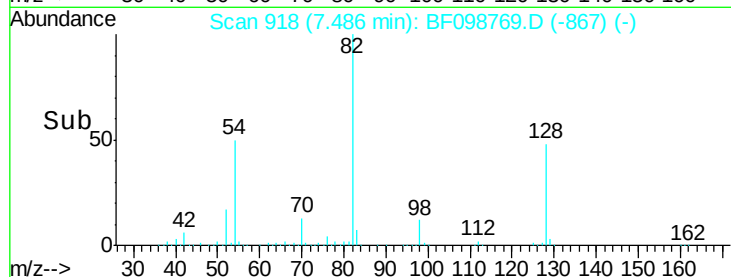
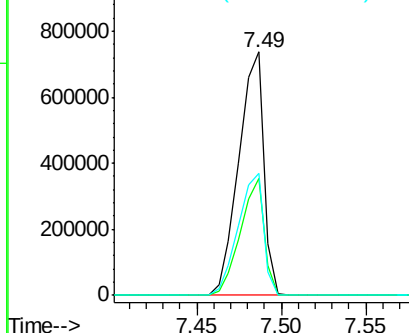
#23
 Nitrobenzene-d5
 Concen: 107.21 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	763036
Ion Ratio	Lower	Upper	
82	100		
128	48.2	36.1	54.1
54	49.9	41.4	62.2

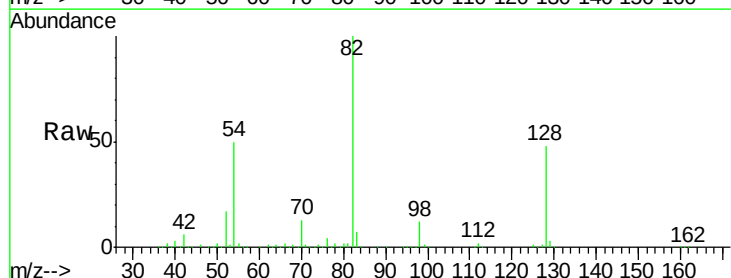


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

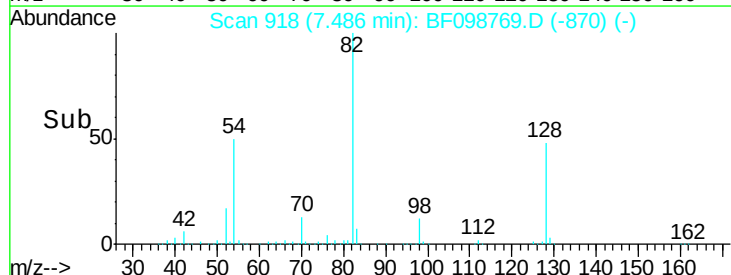
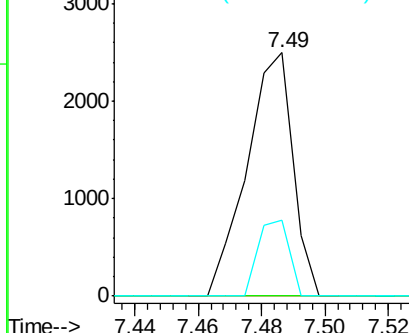


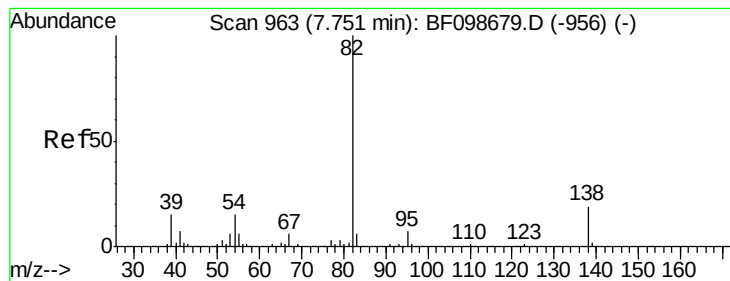
#24
 Nitrobenzene
 Concen: 0.31 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.02 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Tgt Ion	77	Resp	2521
Ion Ratio	Lower	Upper	
77	100		
123	0.0	37.9	56.9#
65	31.4	11.0	16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 51.79 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.26 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

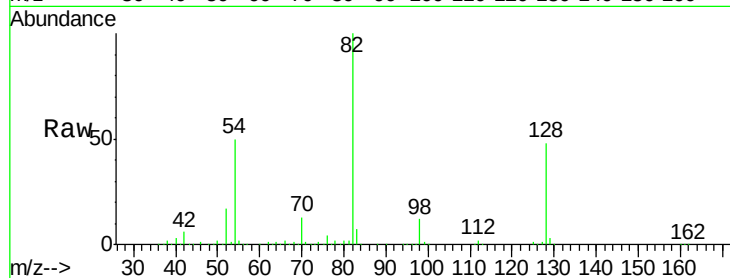
Tot Ion: 82 Resp: 762093

Ion Ratio Lower Upper

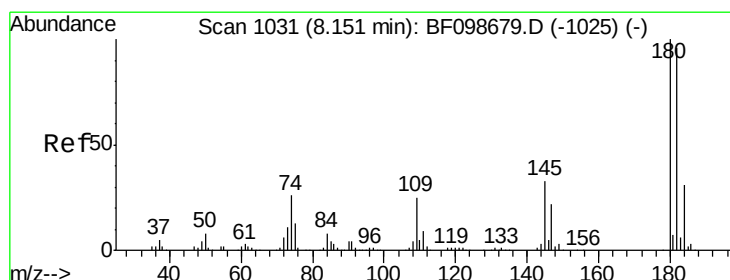
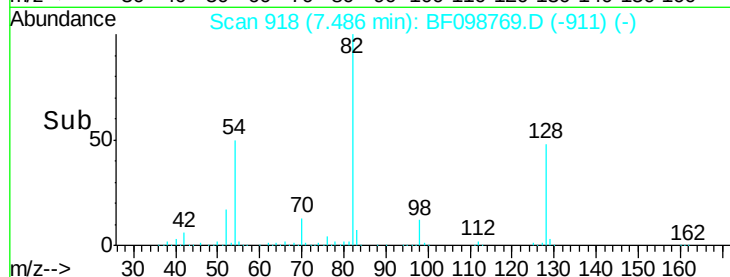
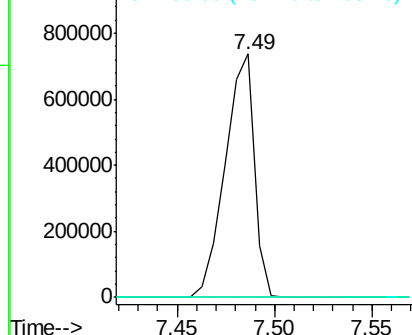
82 100

95 0.4 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: 0.02 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

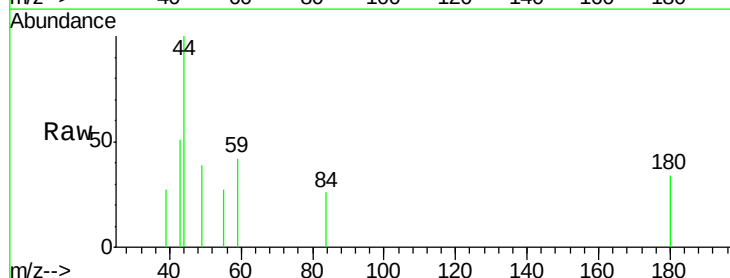
Tgt Ion: 180 Resp: 139

Ion Ratio Lower Upper

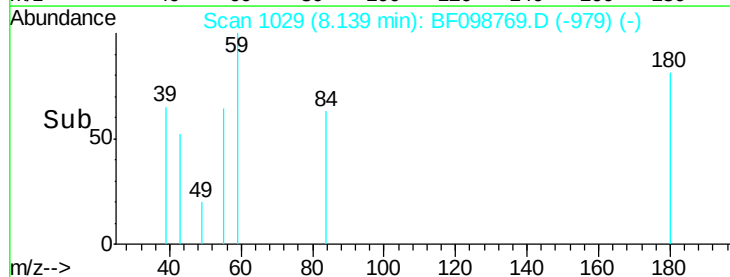
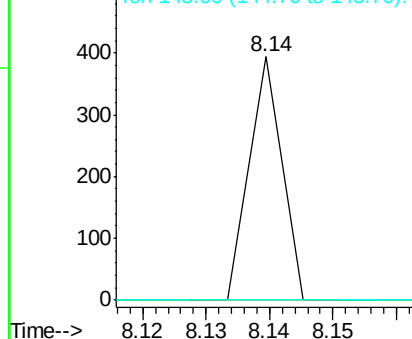
180 100

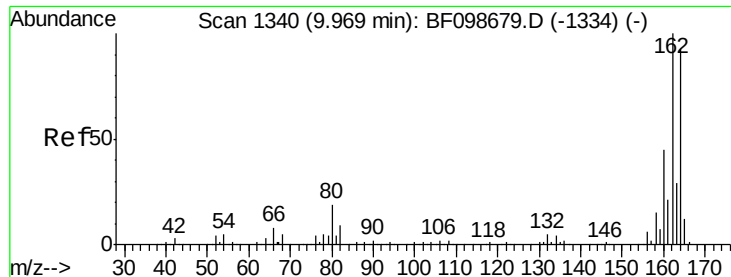
182 0.0 76.8 115.2#

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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

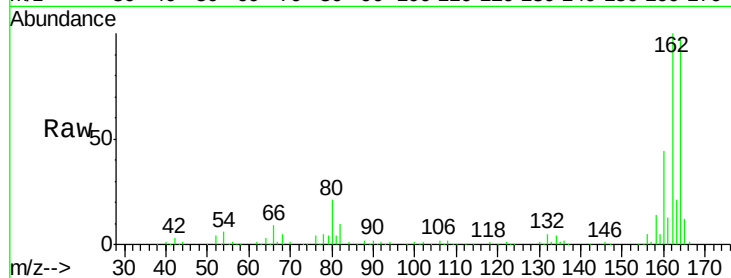
Tot Ion:164 Resp: 161622

Ion Ratio Lower Upper

164 100

162 101.6 86.1 129.1

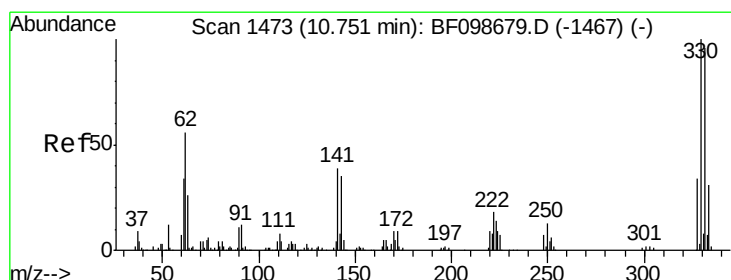
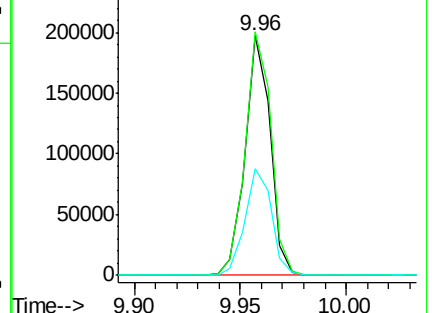
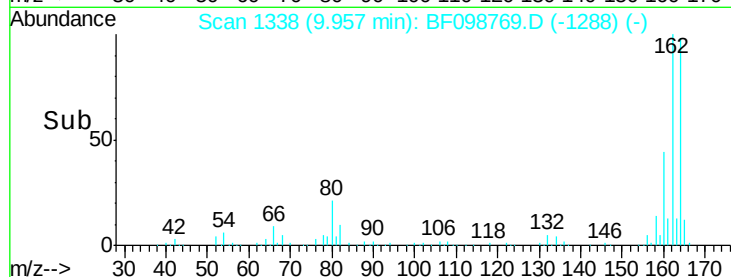
160 44.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 77.34 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

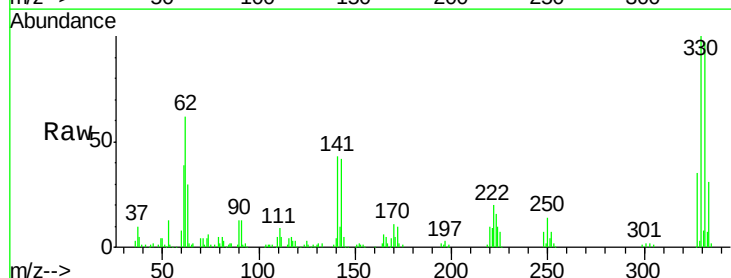
Tgt Ion:330 Resp: 102279

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

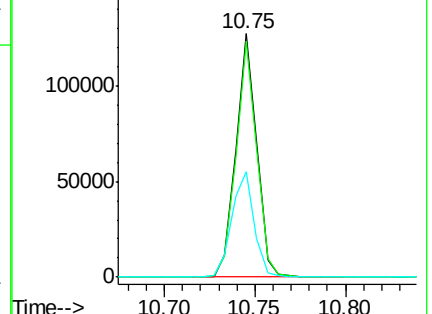
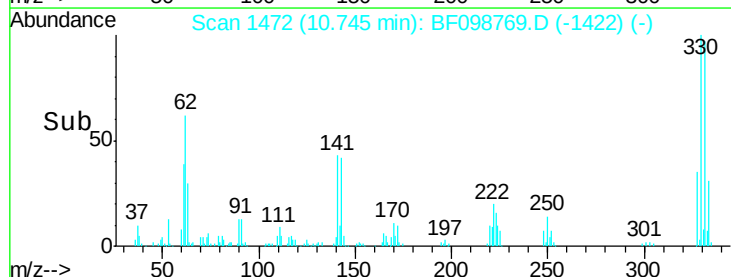
141 46.1 29.9 44.9#

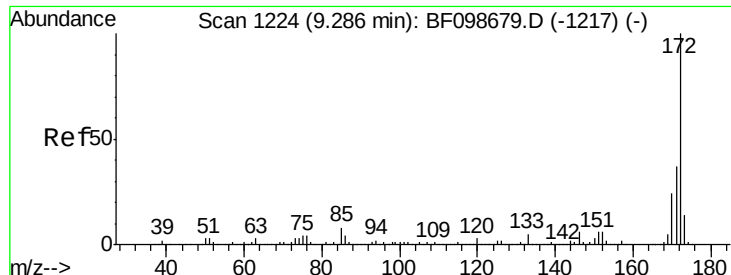


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

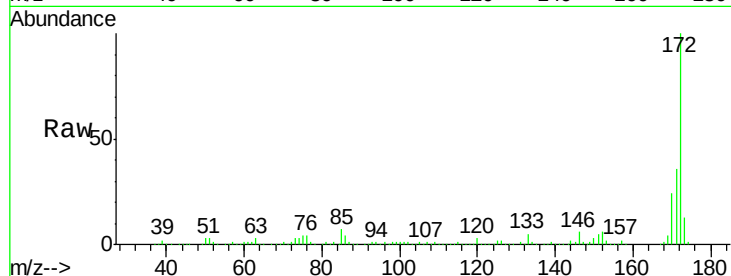




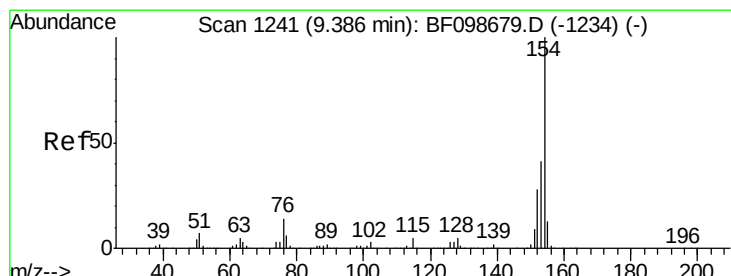
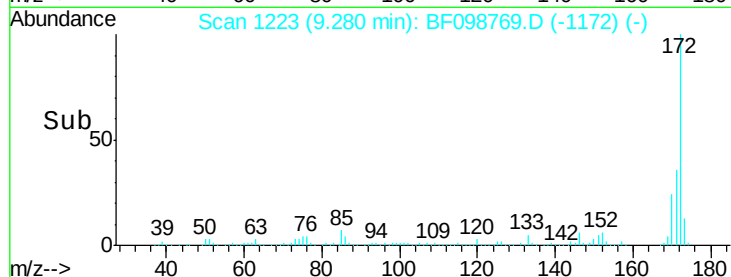
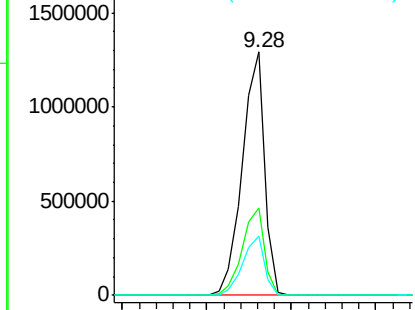
#44
2-Fluorobiphenyl
Concen: 122.90 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.00 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1189865
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.3 19.6 29.4

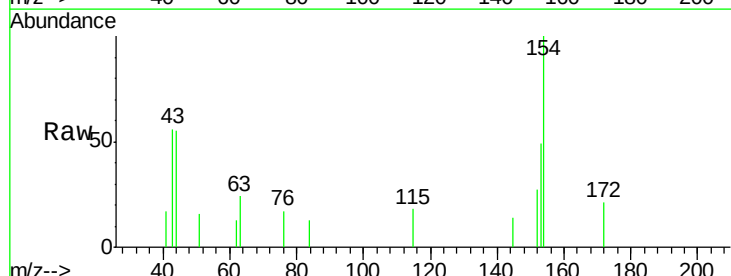


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

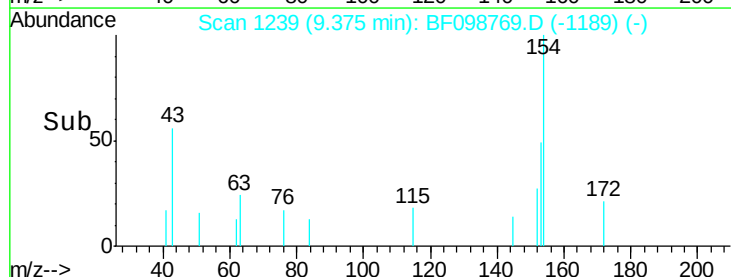
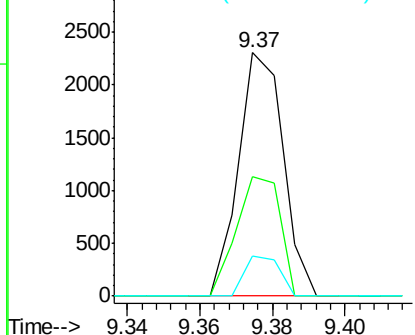


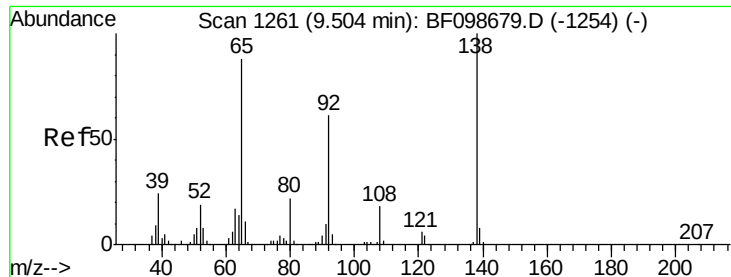
#45
1,1'-Biphenyl
Concen: 0.14 ng
RT: 9.37 min Scan# 1239
Delta R.T. -0.01 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion:154 Resp: 1996
Ion Ratio Lower Upper
154 100
153 49.2 21.3 61.3
76 16.7 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

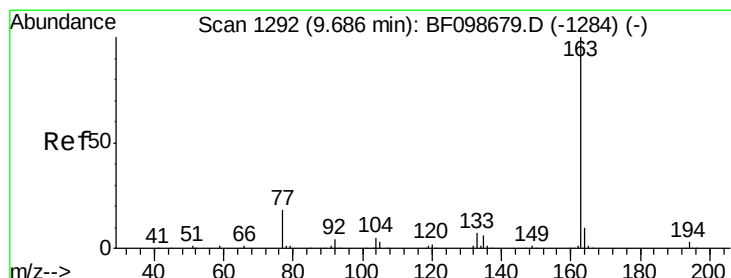
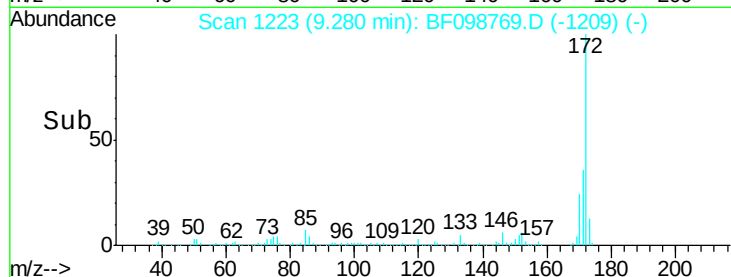
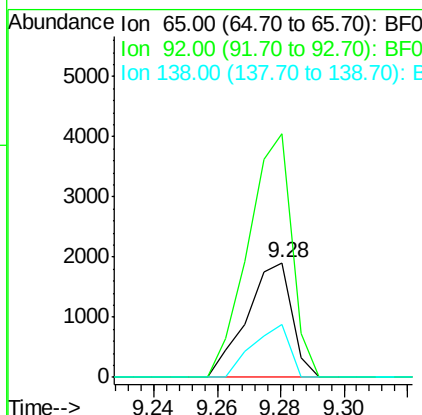
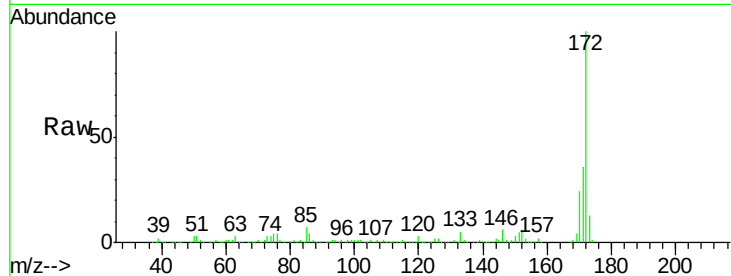




#47
2-Nitroaniline
Concen: 0.59 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.22 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

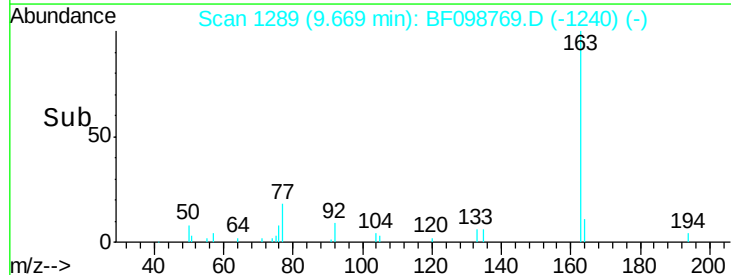
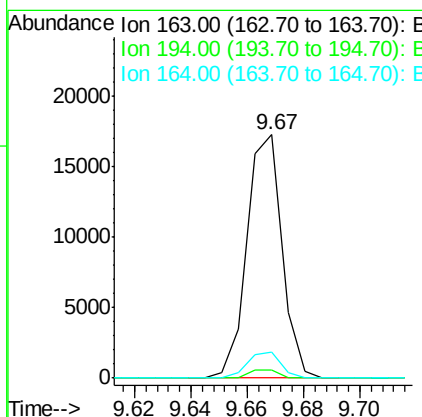
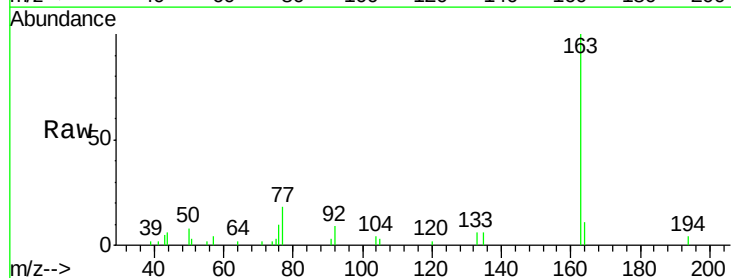
Instrument :
BNA_F
ClientSampled :

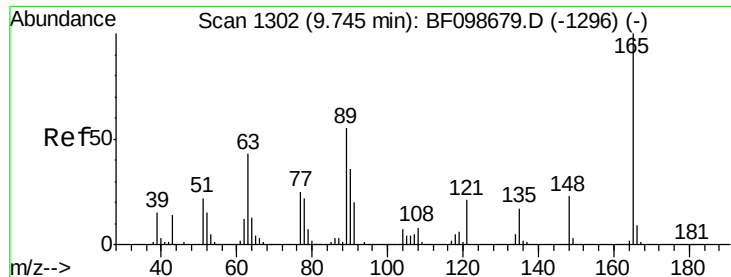
Tot Ion: 65 Resp: 1870
Ion Ratio Lower Upper
65 100
92 212.8 55.8 83.6#
138 45.9 91.2 136.8#



#49
Dimethylphthalate
Concen: 1.22 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion: 163 Resp: 14866
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.9 8.2 12.2

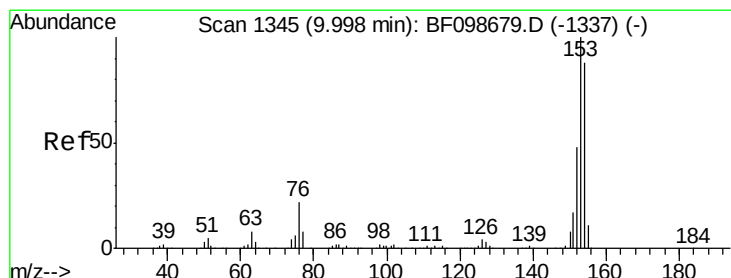
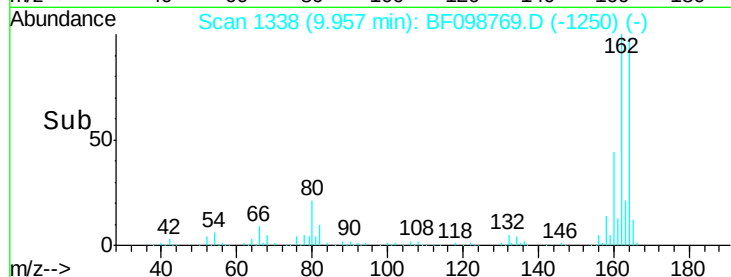
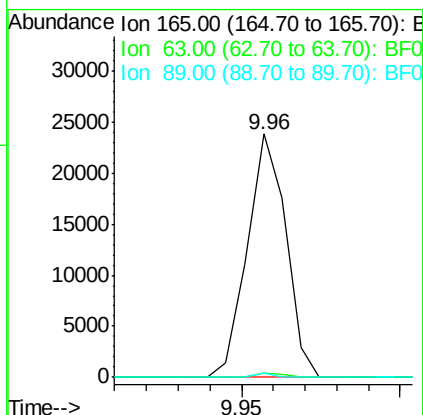
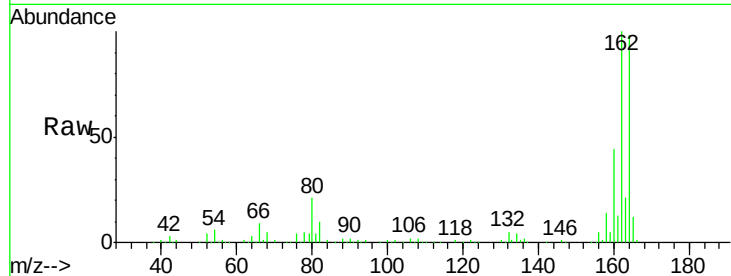




#50
2,6-Dinitrotoluene
Concen: 7.55 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.22 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

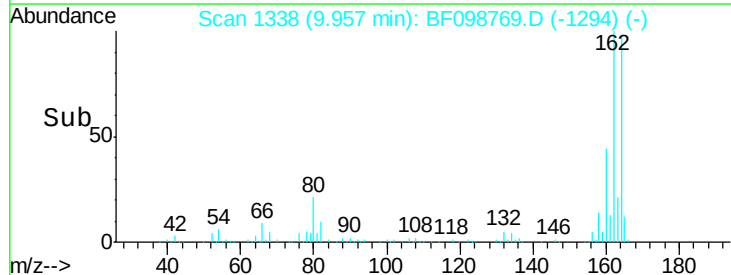
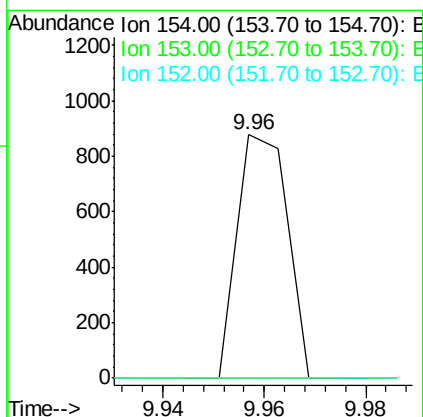
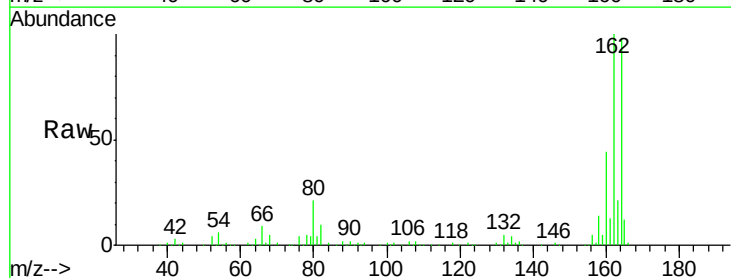
Instrument :
BNA_F
ClientSampleId :

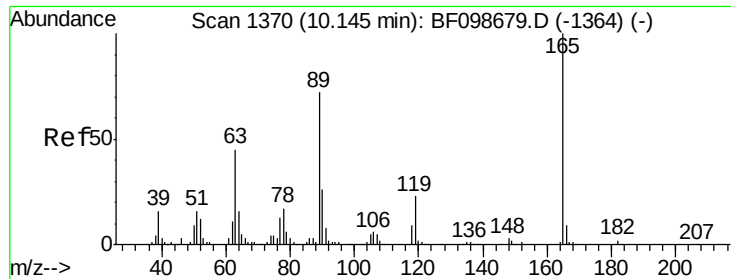
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.9	44.0	66.0#



#51
Acenaphthene
Concen: 0.06 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.04 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

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

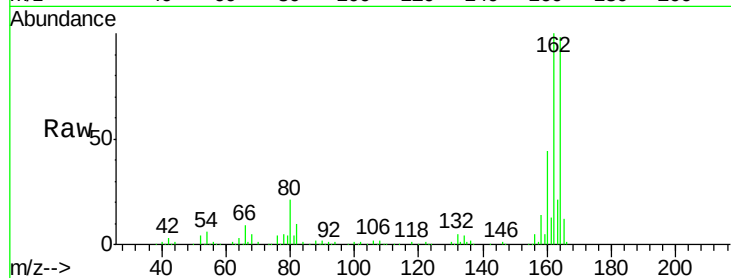




#56
 2,4-Dinitrotoluene
 Concen: 5.81 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.19 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

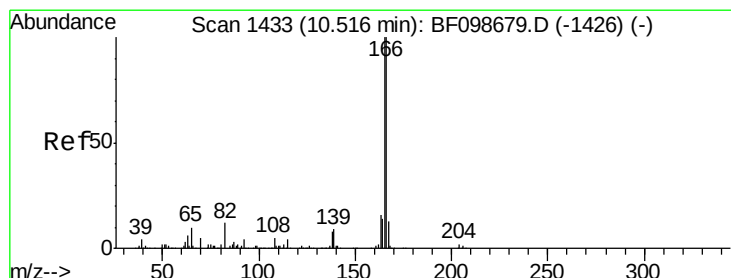
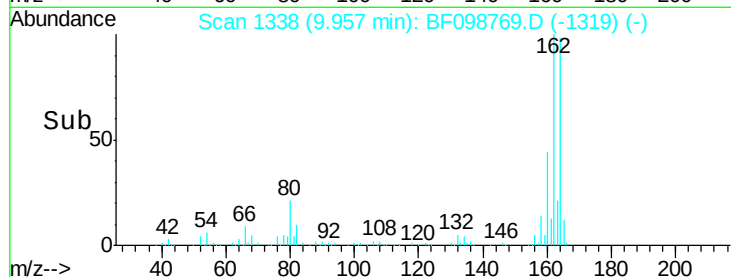
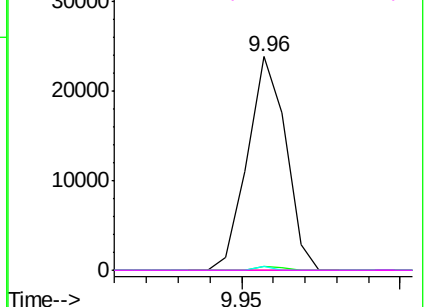


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

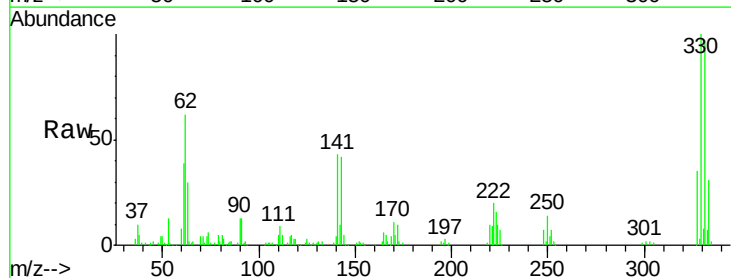
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
 Fluorene
 Concen: 0.53 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. 0.24 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

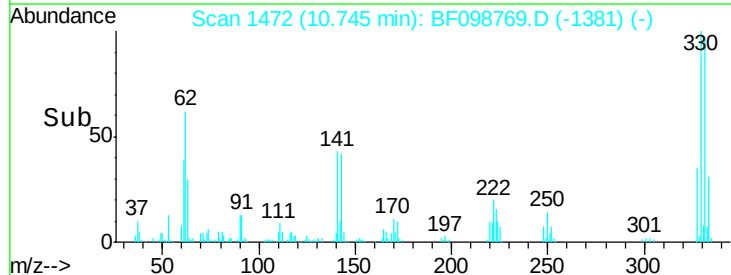
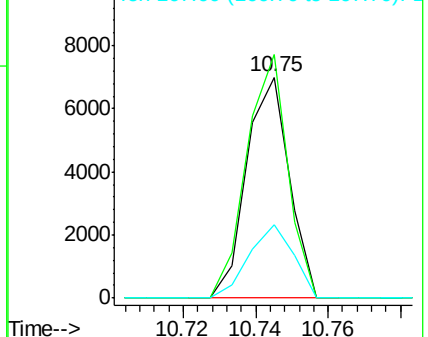
Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.3	79.8	119.8
167	33.4	10.6	16.0#

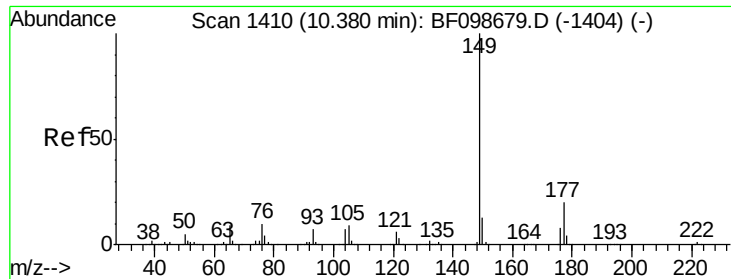


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

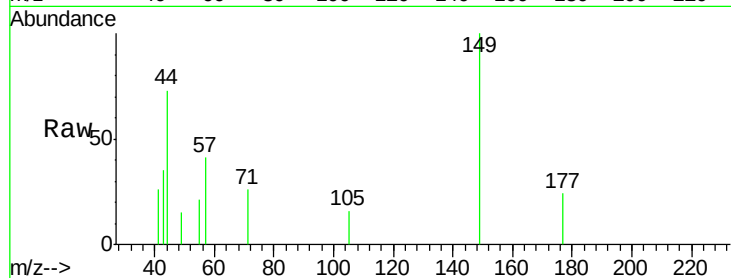




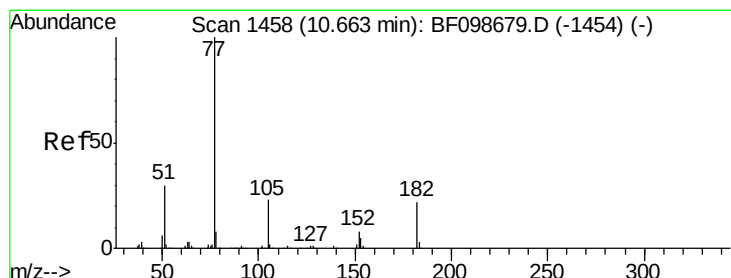
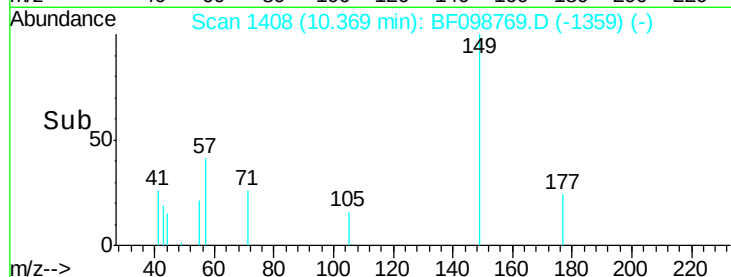
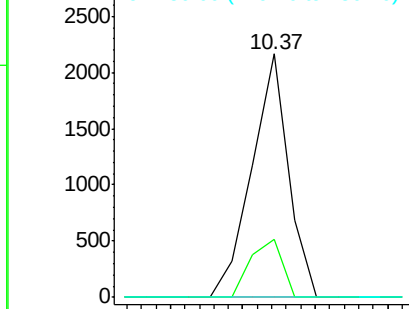
#59
Diethylphthalate
Concen: 0.13 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1537
Ion Ratio Lower Upper
149 100
177 23.9 16.1 24.1
150 0.0 10.1 15.1#

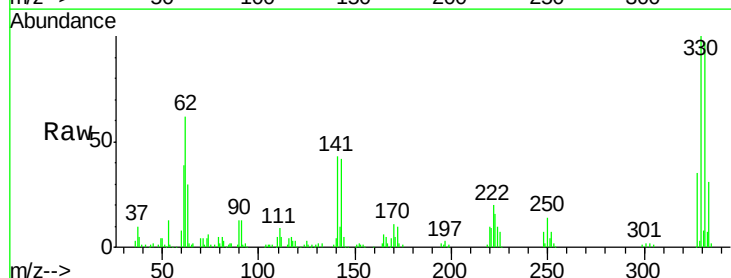


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

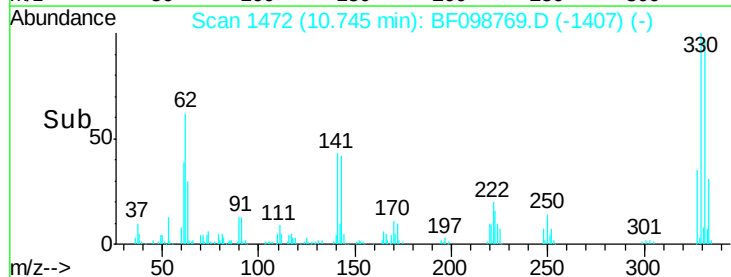
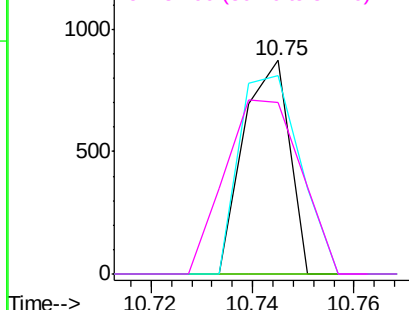


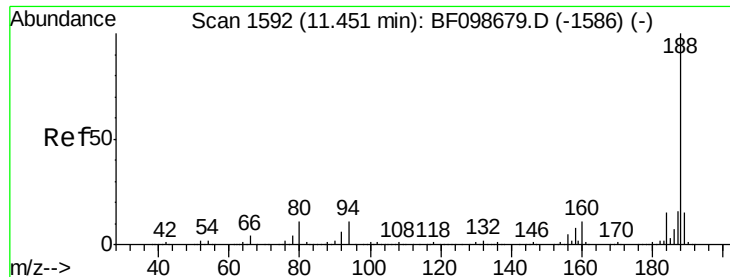
#62
Azobenzene
Concen: 0.05 ng
RT: 10.75 min Scan# 1472
Delta R.T. 0.08 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion: 77 Resp: 553
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 93.0 3.0 43.0#
51 80.5 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

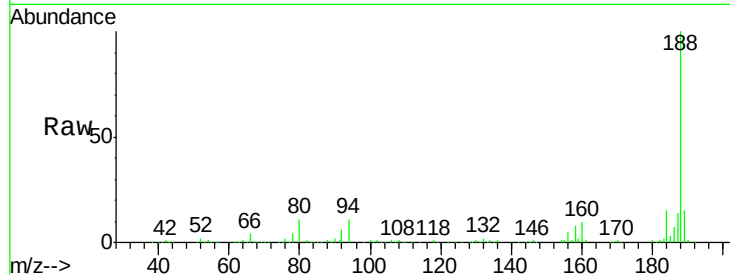




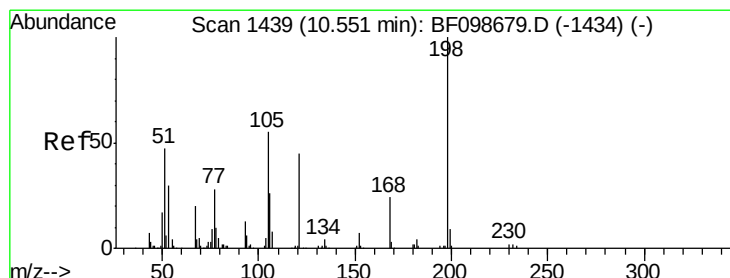
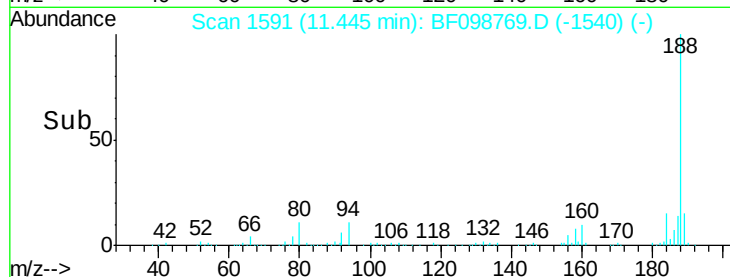
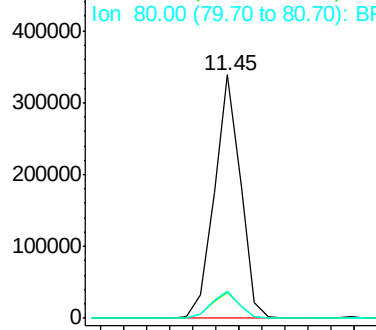
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 267501
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.4 9.2 13.8

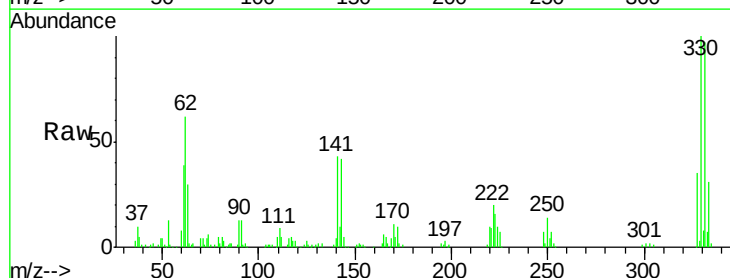


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

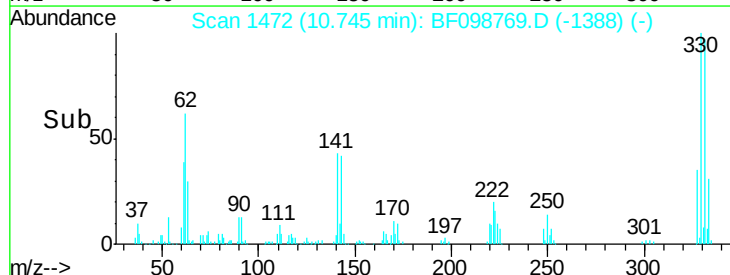
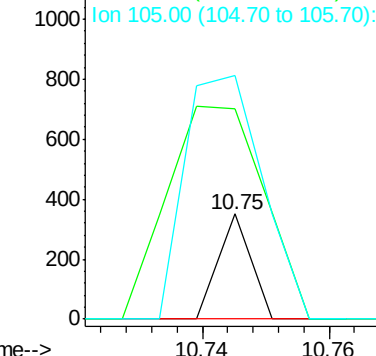


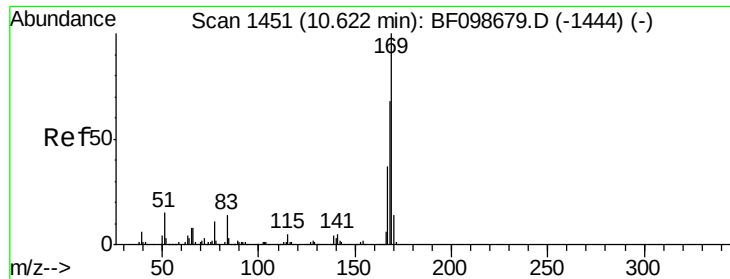
#64
4,6-Dinitro-2-methylphenol
Concen: 0.08 ng
RT: 10.75 min Scan# 1472
Delta R.T. 0.19 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion:198 Resp: 124
Ion Ratio Lower Upper
198 100
51 200.3 37.7 77.7#
105 231.3 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

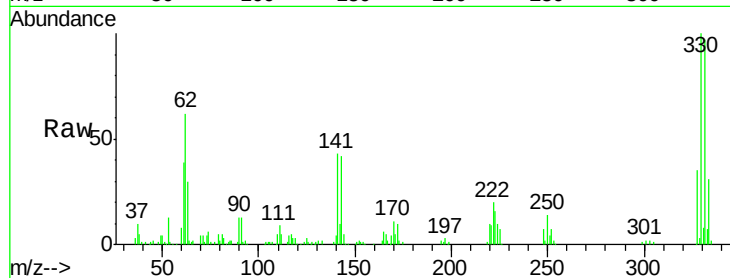




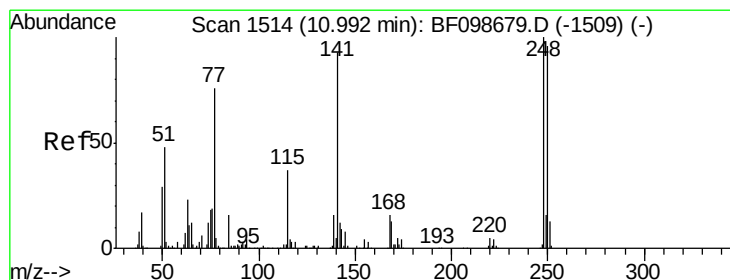
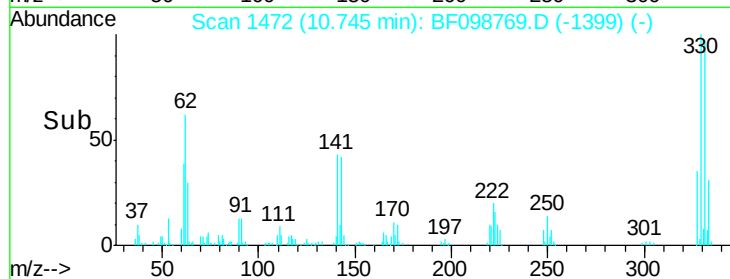
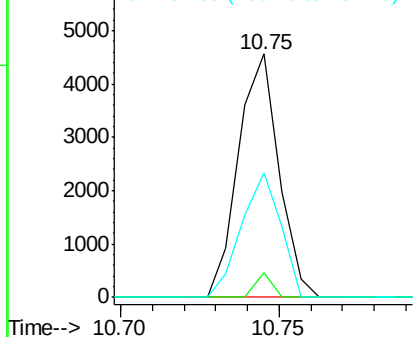
#65
 n-Nitrosodiphenylamine
 Concen: 0.44 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. 0.13 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:169 Resp: 4032
 Ion Ratio Lower Upper
 169 100
 168 10.0 54.4 81.6#
 167 51.2 29.8 44.6#

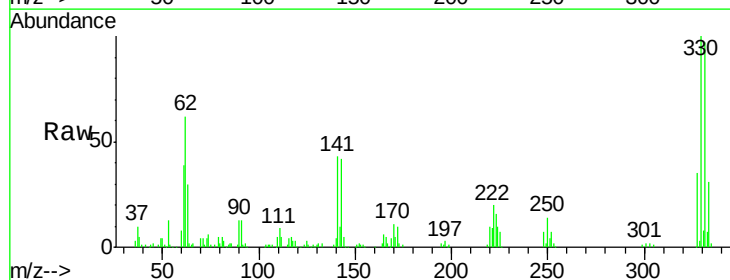


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

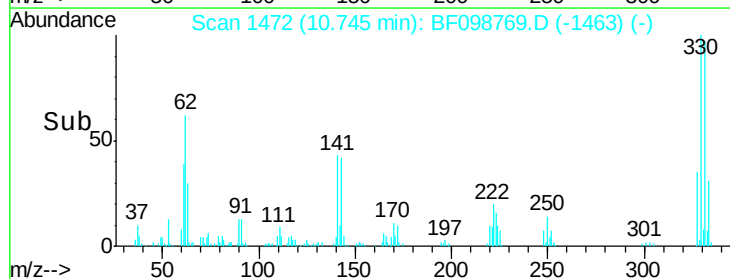
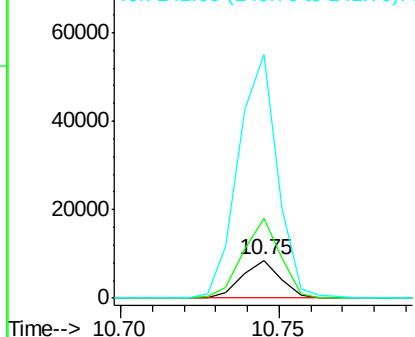


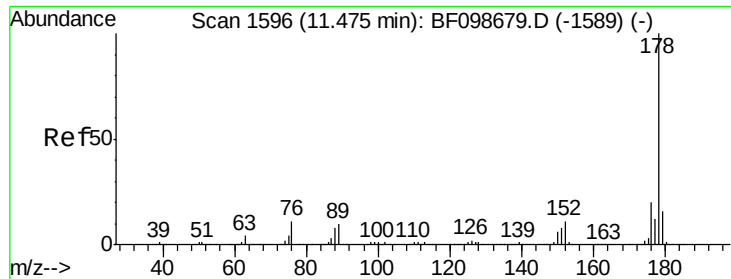
#66
 4-Bromophenyl-phenylether
 Concen: 2.72 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.25 min
 Lab File: BF098769.D
 Acq: 24 Sep 2017 6:27

Tgt Ion:248 Resp: 7121
 Ion Ratio Lower Upper
 248 100
 250 210.0 76.9 115.3#
 141 639.4 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: 0.02 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampled :

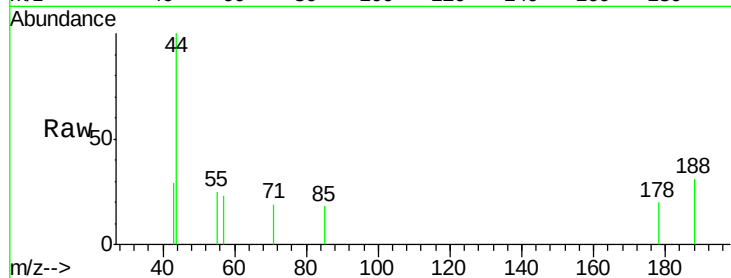
Tot Ion:178 Resp: 230

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

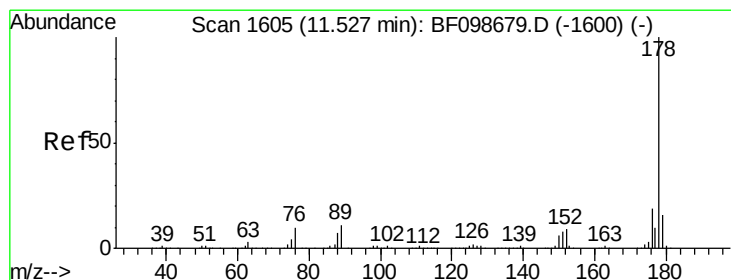
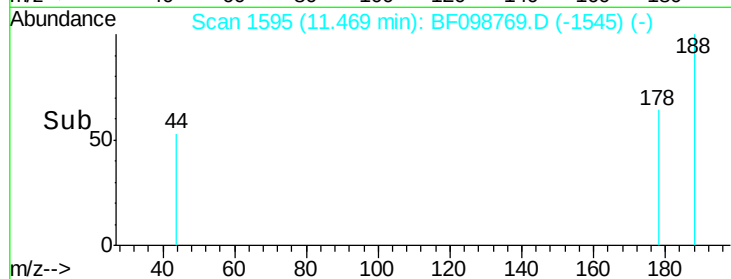
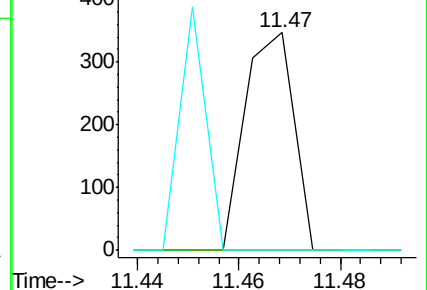
179 0.0 13.0 19.6#



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: 0.02 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.06 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

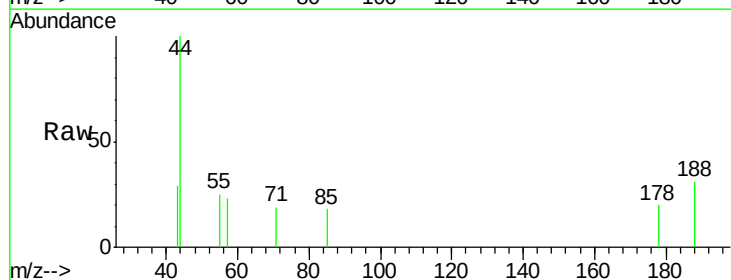
Tgt Ion:178 Resp: 230

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

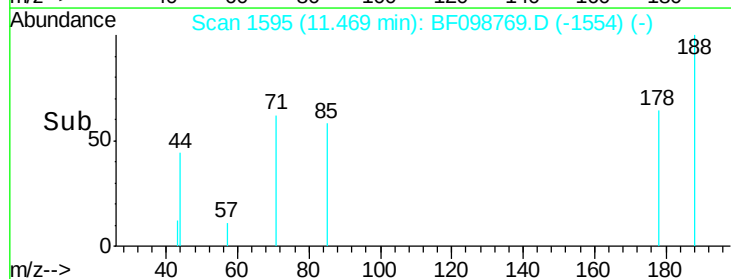
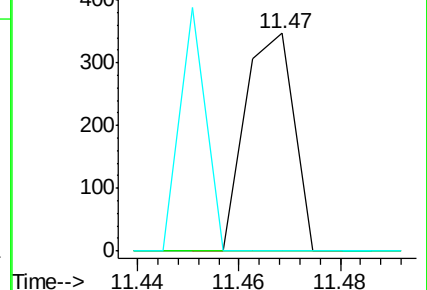
179 0.0 12.6 19.0#

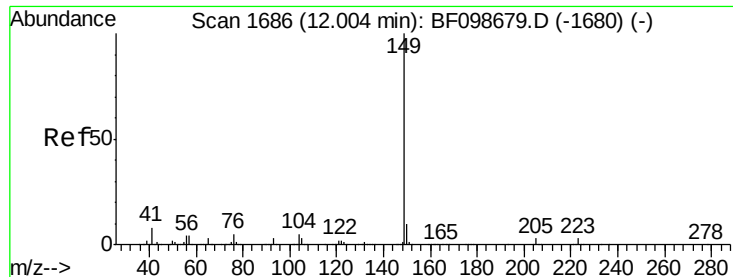


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 0.30 ng

RT: 12.00 min Scan# 1685

Delta R.T. -0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

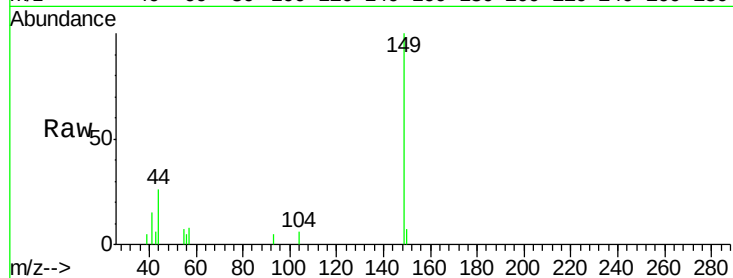
Tot Ion:149 Resp: 5139

Ion Ratio Lower Upper

149 100

150 7.0 7.8 11.6#

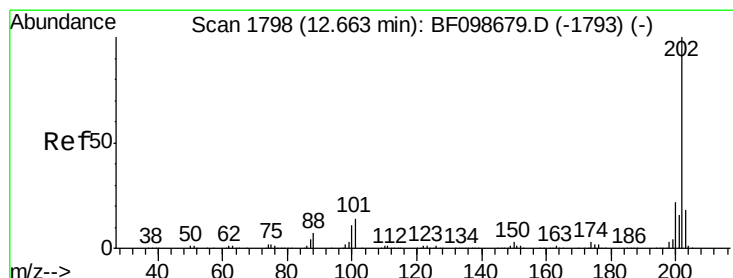
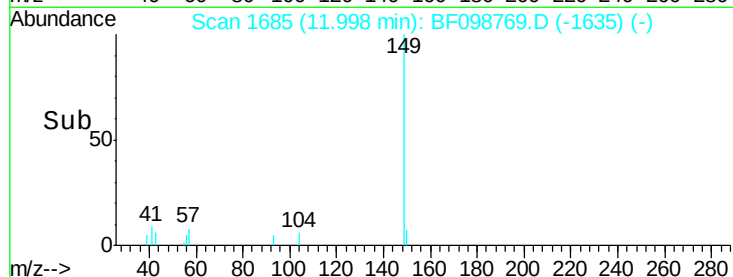
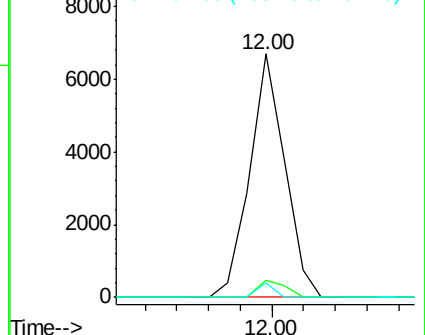
104 5.9 3.8 5.8#



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: BF098769.D

Acq: 24 Sep 2017 6:27

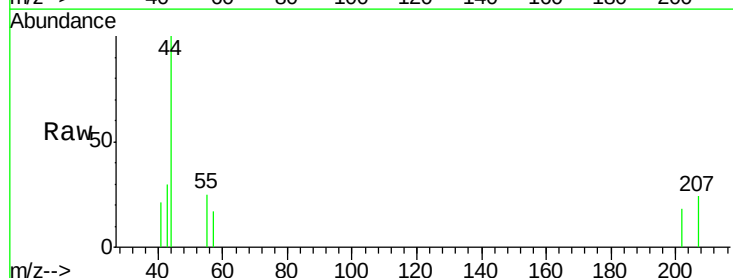
Tgt Ion:202 Resp: 114

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.1

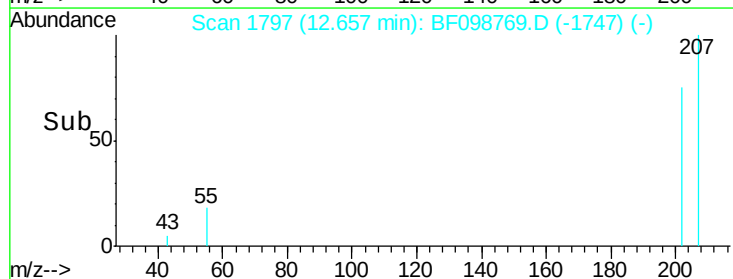
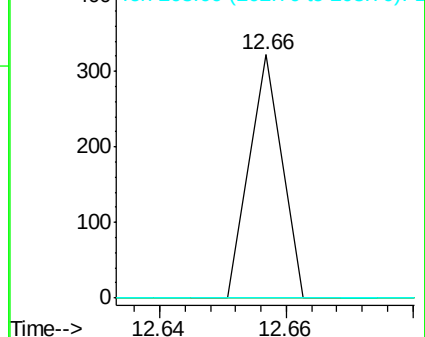
203 0.0 0.0 38.1

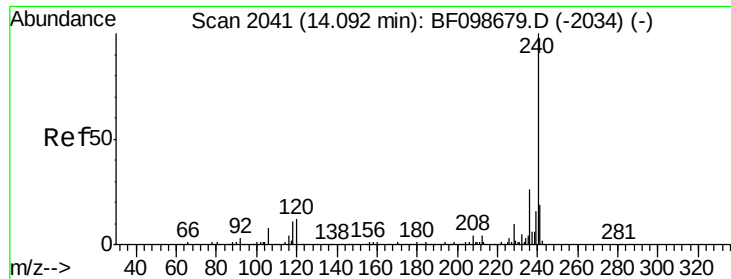


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

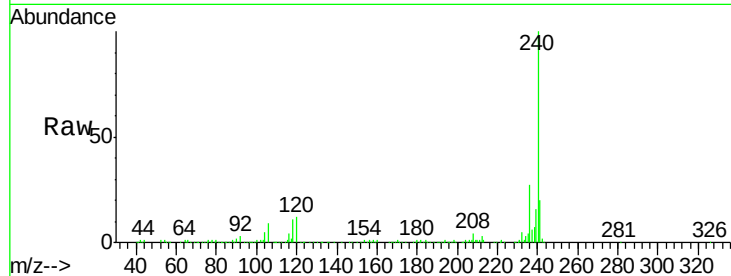
Tot Ion:240 Resp: 264173

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

236 26.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

300000

200000

100000

0

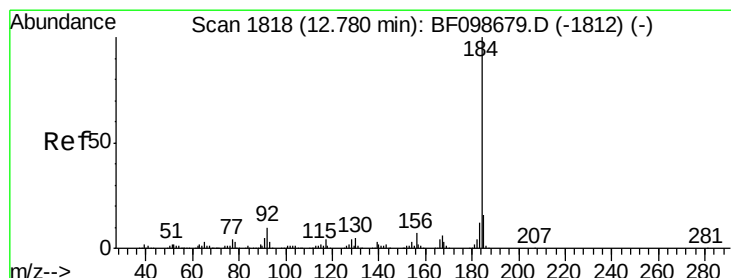
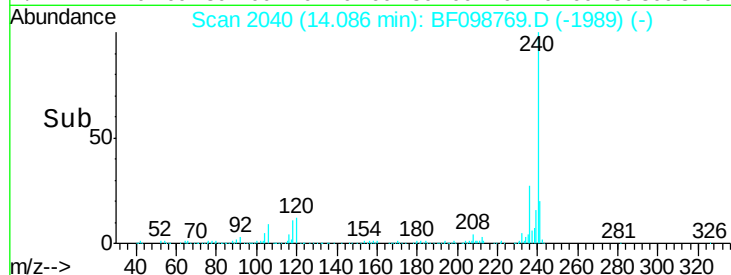
14.09

14.05

14.10

14.15

Time-->



#76

Benzidine

Concen: 1.38 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.25 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

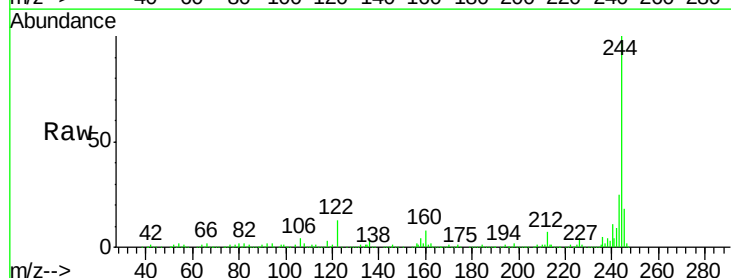
Tgt Ion:184 Resp: 13475

Ion Ratio Lower Upper

184 100

185 16.8 12.6 18.8

183 15.4 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

15000

10000

5000

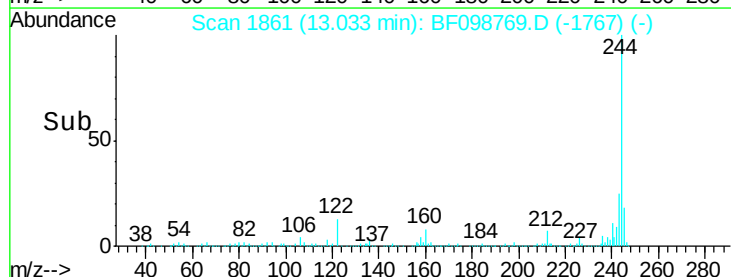
0

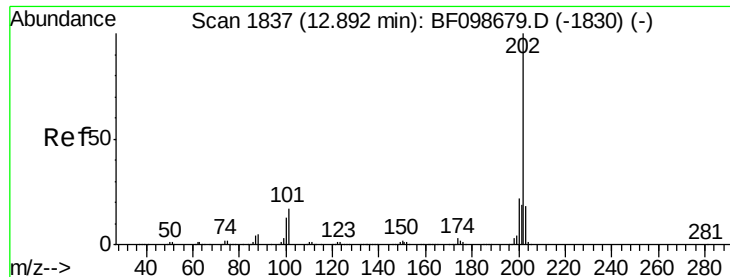
13.03

13.00

13.05

Time-->





#77

Pvrene

Concen: 0.16 ng

RT: 13.03 min Scan# 1861

Delta R.T. 0.14 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

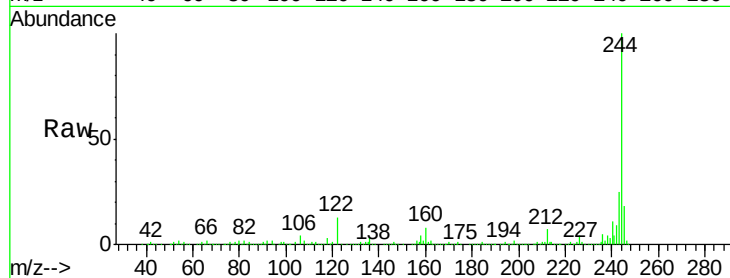
Tot Ion:202 Resp: 3252

Ion Ratio Lower Upper

202 100

200 54.1 17.4 26.2#

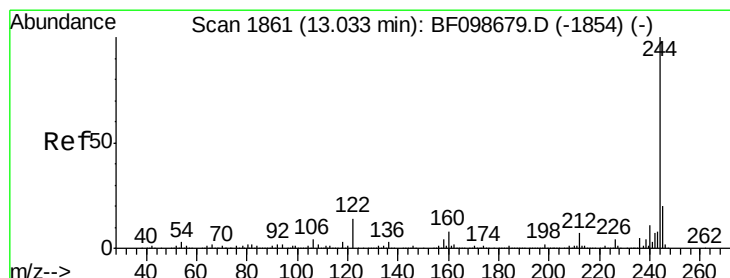
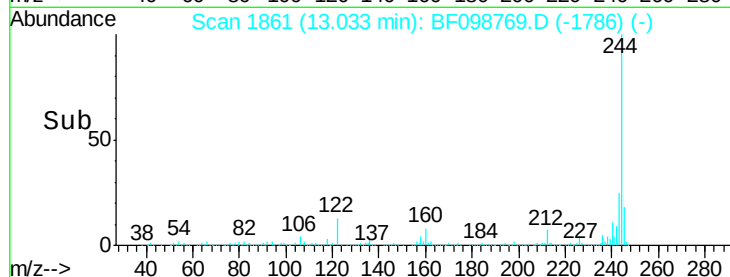
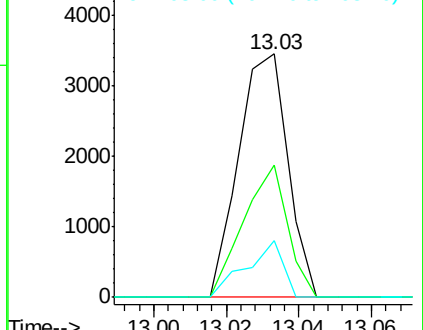
203 23.2 14.3 21.5#



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: 79.57 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

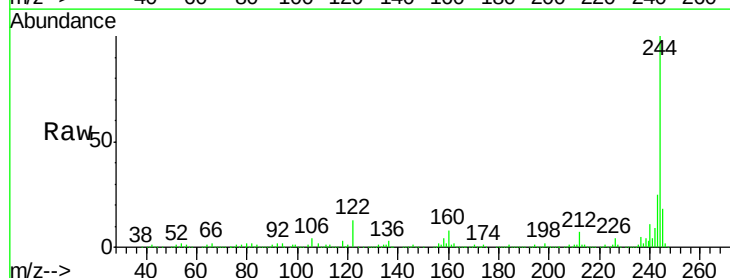
Tgt Ion:244 Resp: 924342

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

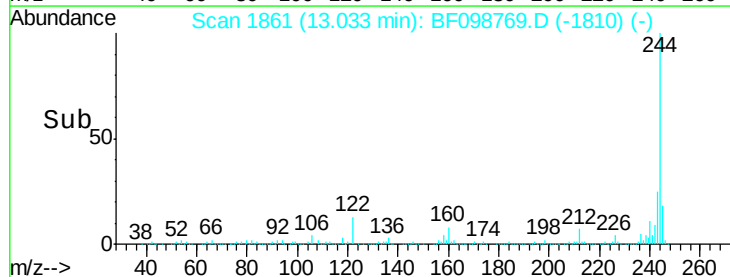
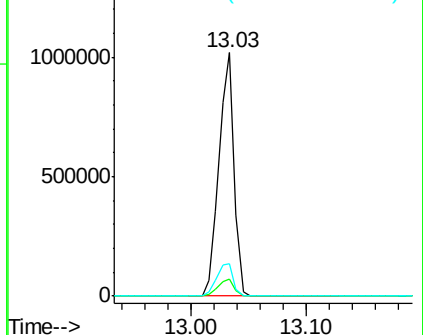
122 13.1 11.0 16.4

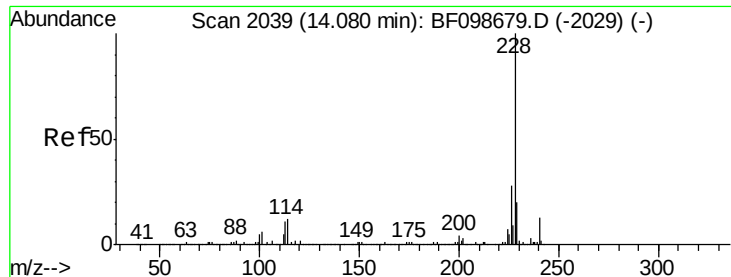


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

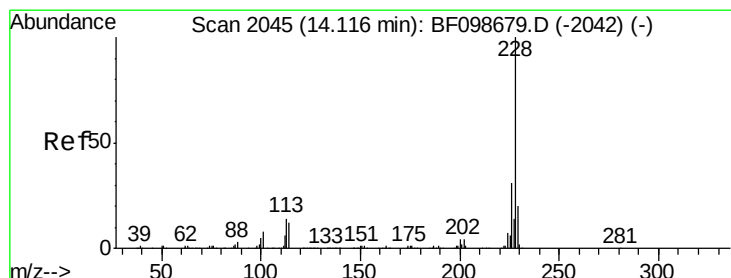
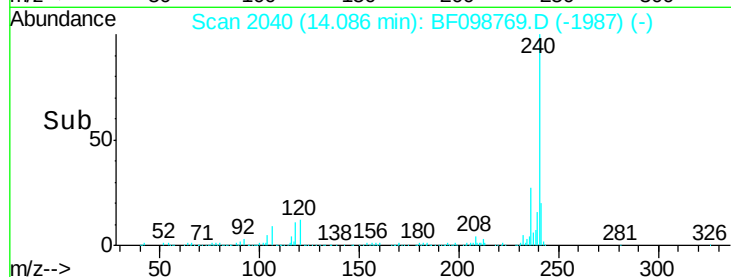
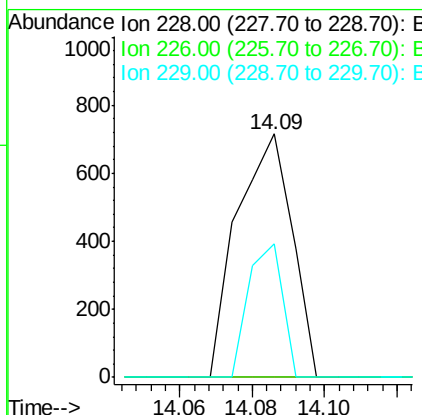
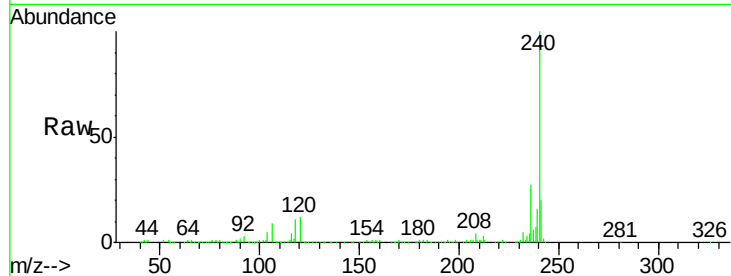




#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

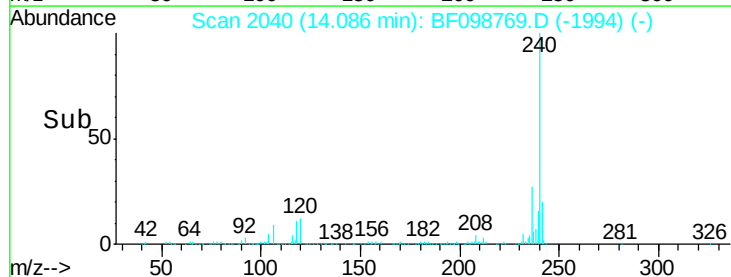
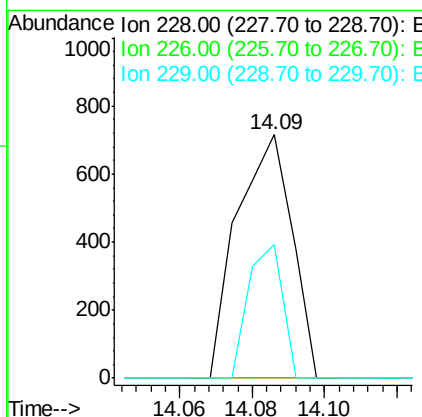
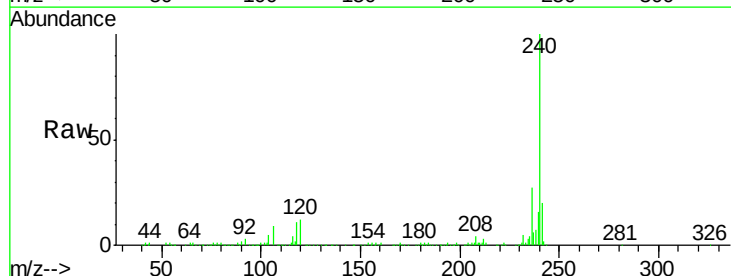
Instrument :
BNA_F
ClientSampleId :

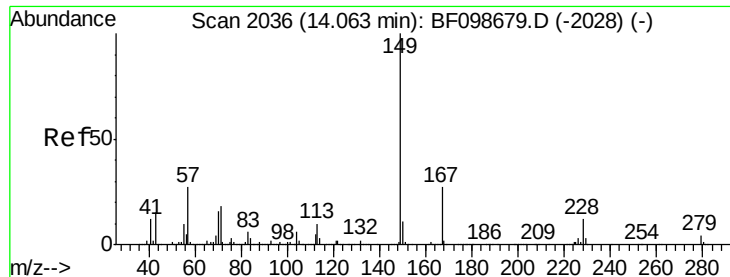
Tot Ion:228 Resp: 752
Ion Ratio Lower Upper
228 100
226 0.0 22.6 33.8#
229 54.9 15.8 23.6#



#82
Chrysene
Concen: 0.05 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.03 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion:228 Resp: 752
Ion Ratio Lower Upper
228 100
226 0.0 25.0 37.6#
229 54.9 16.2 24.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.11 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

Instrument :

BNA_F

ClientSampleId :

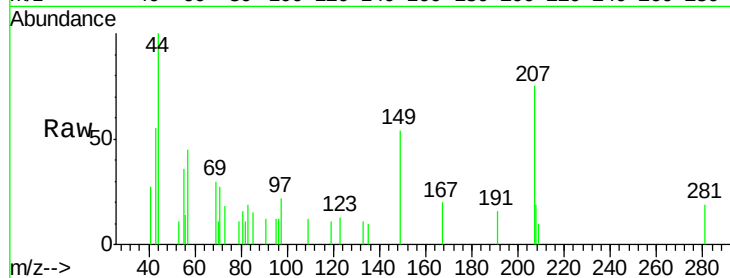
Tot Ion:149 Resp: 1436

Ion Ratio Lower Upper

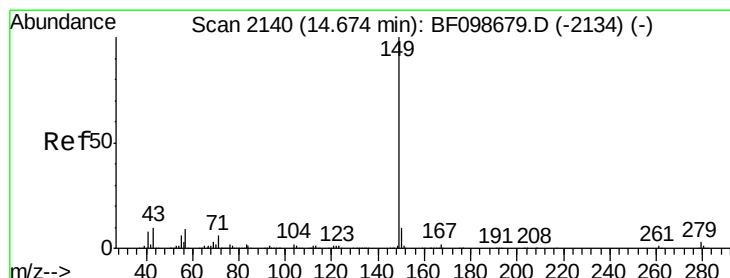
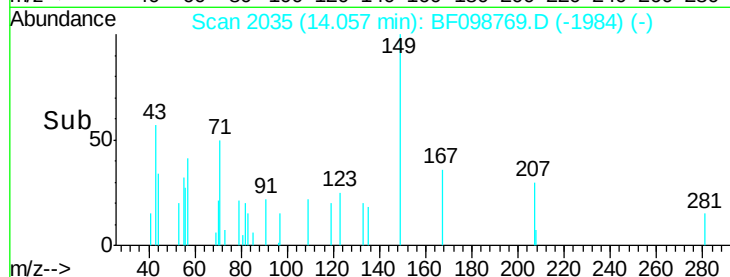
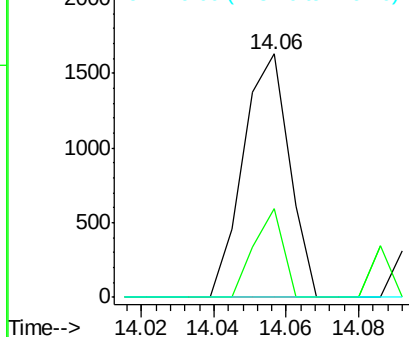
149 100

167 36.4 21.3 31.9#

279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 14.67 min Scan# 2140

Delta R.T. 0.01 min

Lab File: BF098769.D

Acq: 24 Sep 2017 6:27

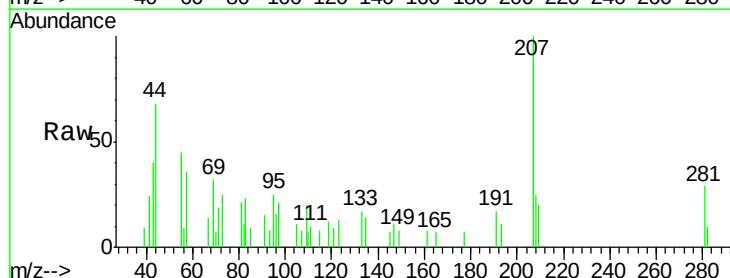
Tgt Ion:149 Resp: 593

Ion Ratio Lower Upper

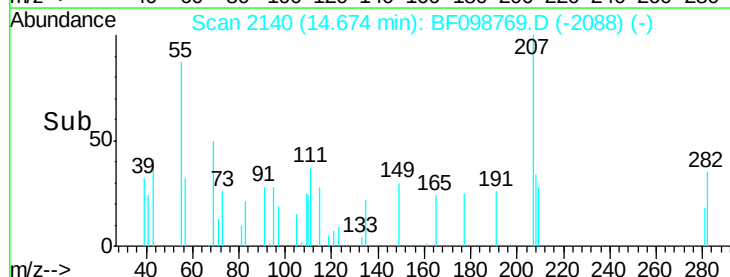
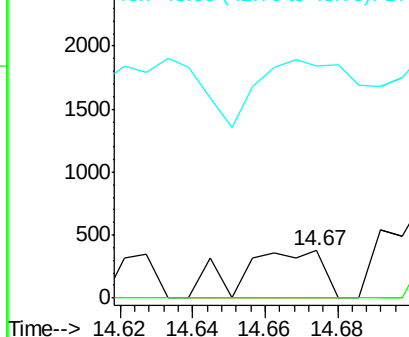
149 100

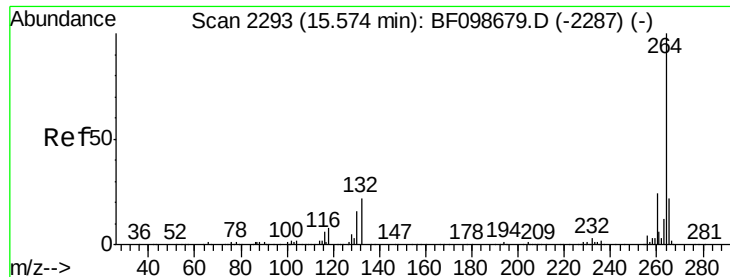
167 0.0 1.2 1.8#

43 177.9 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

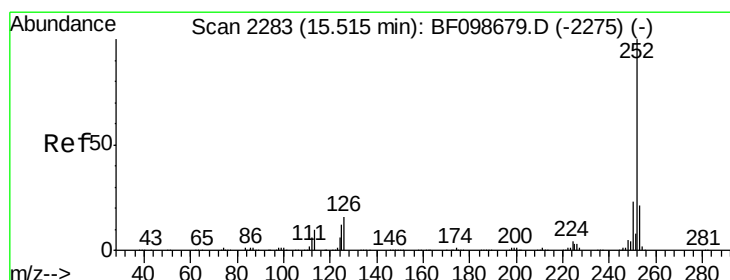
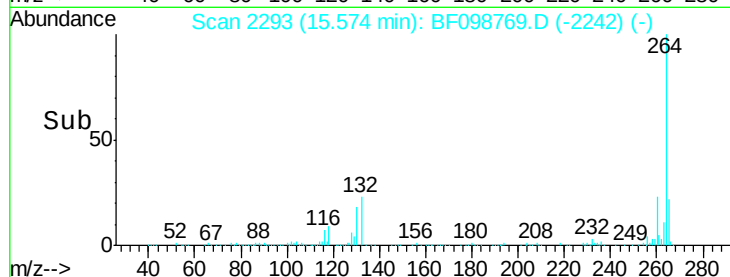
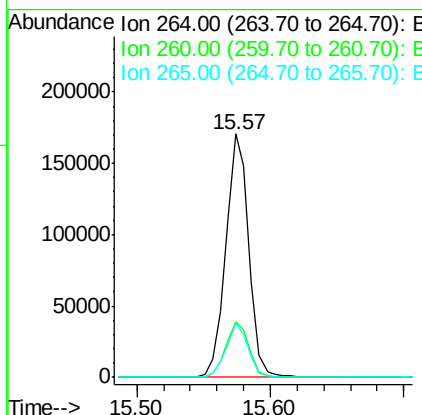
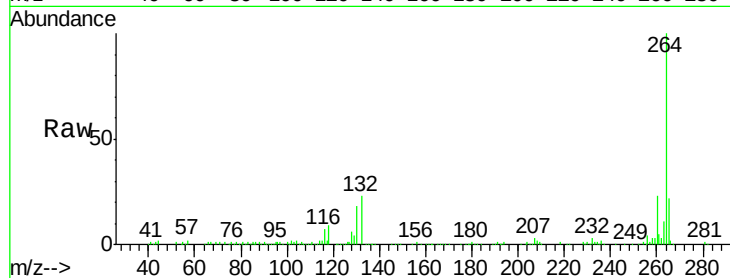




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 206729
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 22.1 17.5 26.3



#89
Benzo(a)pyrene
Concen: 0.06 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.06 min
Lab File: BF098769.D
Acq: 24 Sep 2017 6:27

Tgt Ion:252 Resp: 752
Ion Ratio Lower Upper
252 100
253 0.0 17.1 25.7#
125 72.9 9.8 14.6#

