

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099058.D
 Acq On : 4 Oct 2017 4:11
 Operator : SJ/JU
 Sample : I5588-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 08:25:00 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	6.87	152	124230	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	431399	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	144443	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	220088	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	247849	20.00	ng	-0.05
86) Perylene-d12	15.51	264	243229	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	972866	124.66	ng	-0.04
7) Phenol-d6	6.50	99	1144340	118.87	ng	-0.04
23) Nitrobenzene-d5	7.44	82	651799	96.89	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	136467	115.46	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	968969	111.99	ng	-0.05
78) Terphenyl-d14	12.98	244	745727	68.43	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.52	93	528	0.04	ng	# 1
8) 2-Chlorophenol	6.66	128	139	0.02	ng	# 1
9) Benzaldehyde	6.65	77	19486	3.49	ng	84
10) Phenol	6.52	94	29180	2.71	ng	92
11) bis(2-Chloroethyl)ether	6.65	93	1275	0.15	ng	# 1
15) Benzyl Alcohol	7.03	79	11013	1.56	ng	# 29
16) 2,2'-oxybis(1-Chloropropan	7.25	45	2033	0.16	ng	70
17) 2-Methylphenol	7.01	107	121	0.02	ng	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	82953	13.50	ng	# 75
20) 3+4-Methylphenols	7.01	107	121	0.01	ng	# 1
24) Nitrobenzene	7.44	77	1831	0.24	ng	# 31
25) Isophorone	7.44	82	645130	46.39	ng	# 64
35) Caprolactam	8.71	113	1225	0.64	ng	# 1
45) 1,1'-Biphenyl	9.33	154	1684	0.14	ng	89
46) 2-Chloronaphthalene	9.62	162	1515	0.16	ng	# 1
47) 2-Nitroaniline	9.62	65	1267	0.44	ng	# 1
49) Dimethylphthalate	9.62	163	160479	14.72	ng	98
50) 2,6-Dinitrotoluene	9.62	165	1638	0.69	ng	# 15
51) Acenaphthene	9.91	154	623	0.07	ng	# 4
56) 2,4-Dinitrotoluene	9.91	165	18538	6.02	ng	# 22
57) Fluorene	10.70	166	8084	0.84	ng	# 93
59) Diethylphthalate	10.32	149	409	0.04	ng	# 61
62) Azobenzene	10.70	77	947	0.10	ng	# 42
64) 4,6-Dinitro-2-methylphenol	10.70	198	246	0.18	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	5309	0.70	ng	# 45
66) 4-Bromophenyl-phenylether	10.70	248	9896	4.59	ng	# 1
70) Phenanthrene	11.42	178	217	0.02	ng	# 59
71) Anthracene	11.42	178	217	0.02	ng	# 60
73) Di-n-butylphthalate	11.94	149	1492	0.11	ng	# 78
74) Fluoranthene	12.61	202	268	0.02	ng	62
76) Benzdine	12.98	184	10221	1.11	ng	# 94
77) Pvrene	12.83	202	248	0.01	ng	# 57
79) Butylbenzylphthalate	13.42	149	258	0.03	ng	# 23
80) Benzo(a)anthracene	14.03	228	677	0.05	ng	# 51

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Response via : Initial Calibration

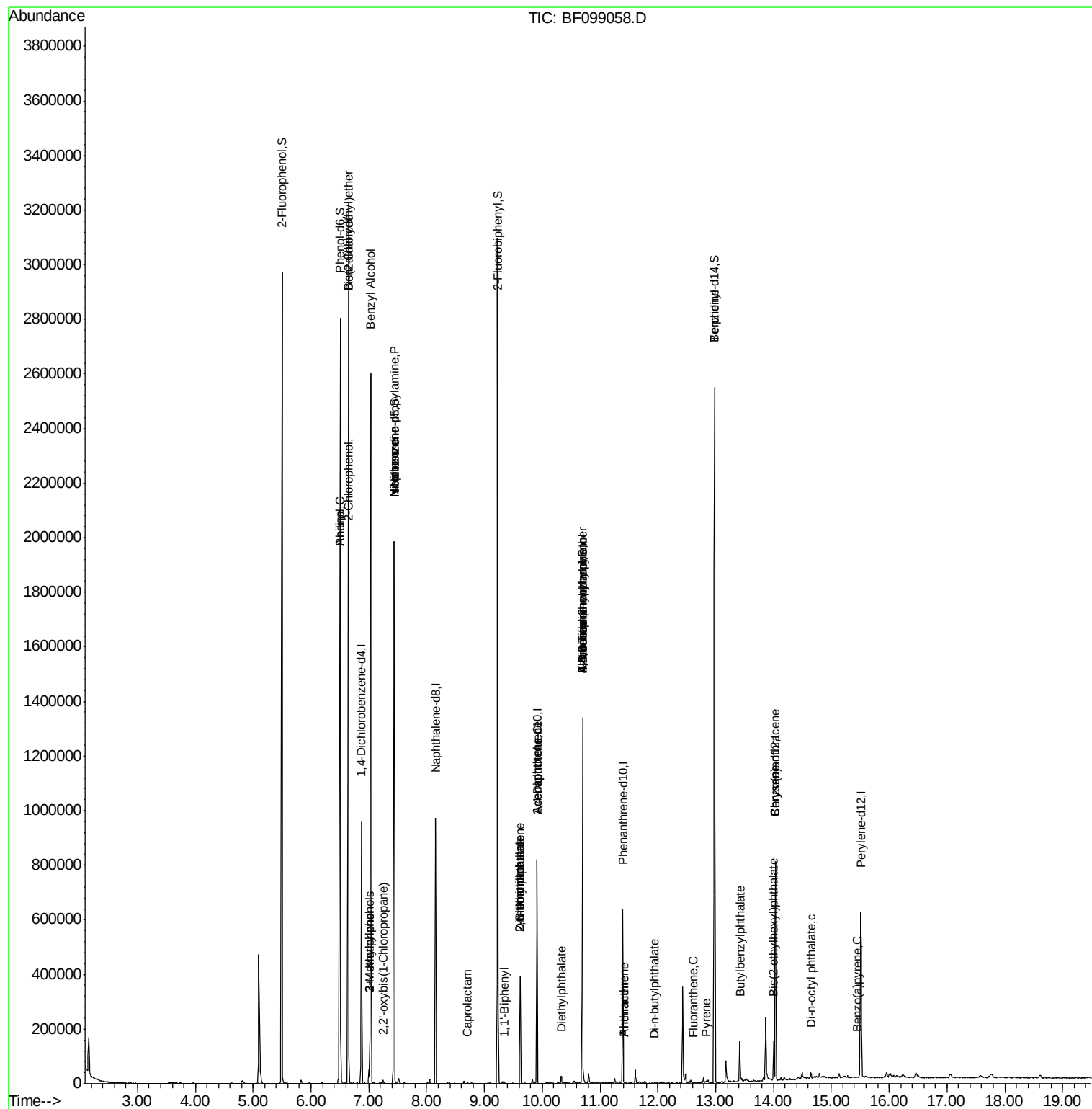
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	14.03	228	677	0.05	nq	# 50
83) Bis(2-ethylhexyl)phthalate	14.00	149	36253	2.96	nq	# 97
84) Di-n-octyl phthalate	14.65	149	2865	0.15	nq	# 84
89) Benzo(a)pyrene	15.44	252	108	0.01	nq	# 1

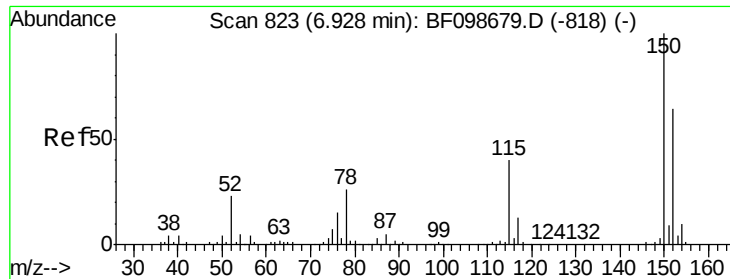
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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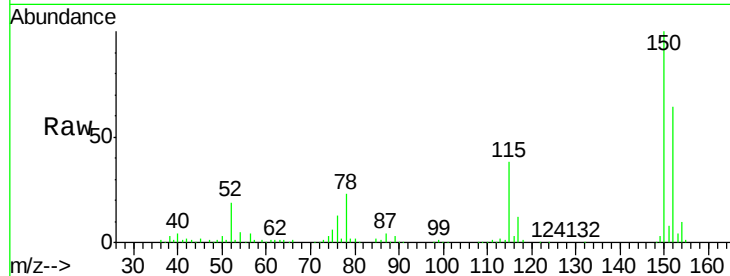


#1

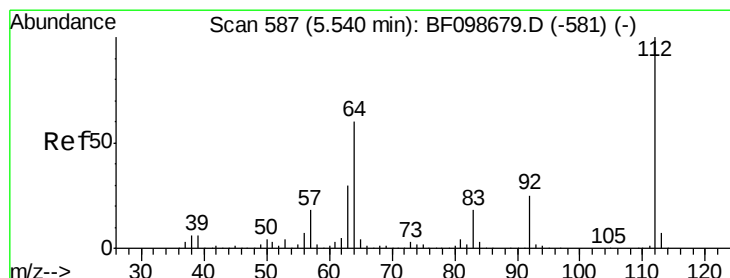
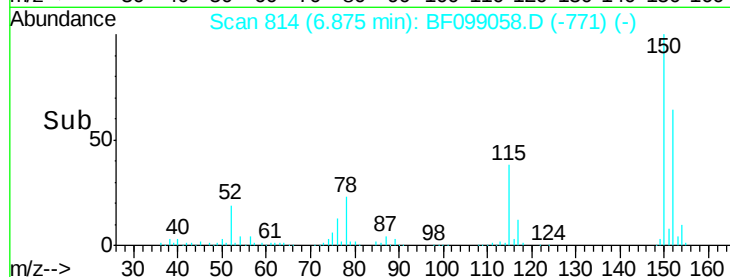
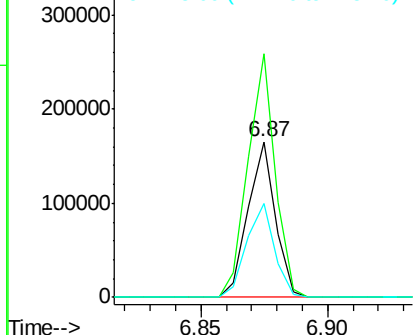
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124230
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 60.1 50.1 75.1



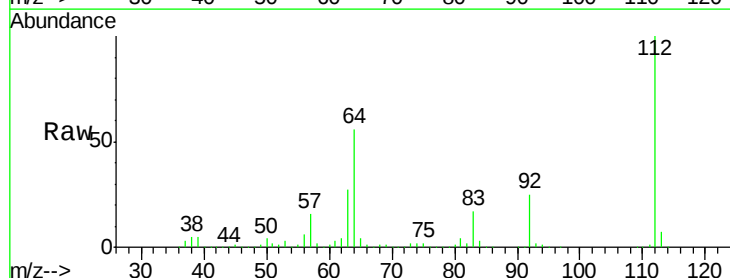
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



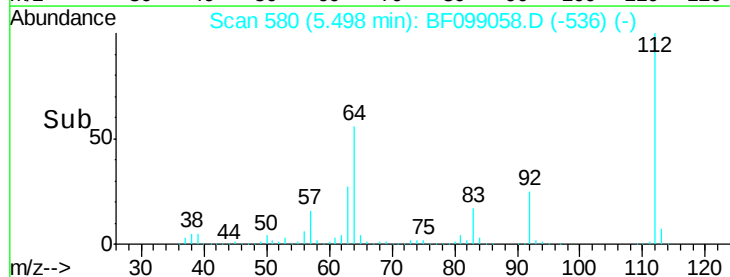
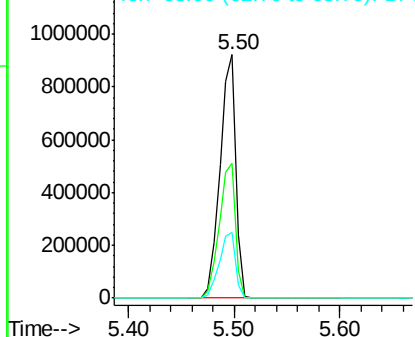
#5

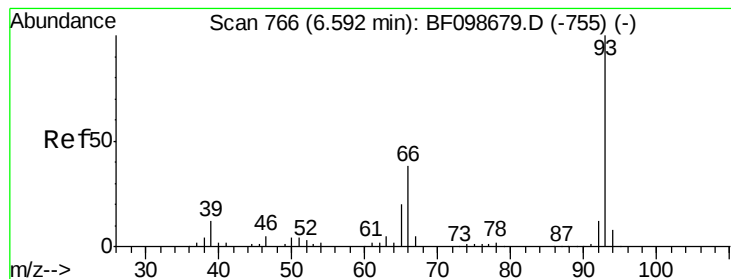
2-Fluorophenol
Concen: 124.66 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.04 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion:112 Resp: 972866
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 27.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.04 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.07 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampled :

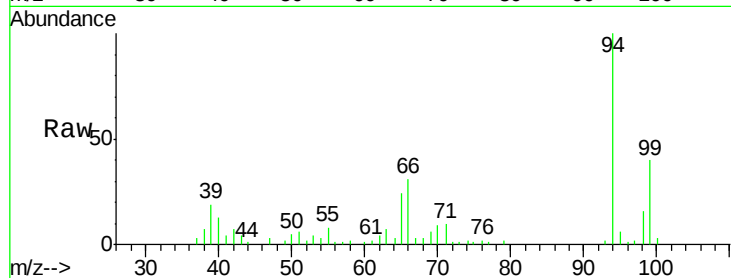
Tot Ion: 93 Resp: 528

Ion Ratio Lower Upper

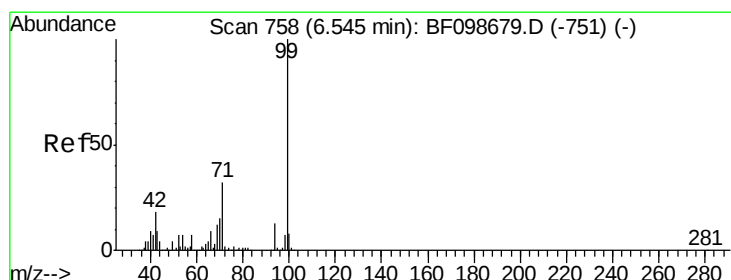
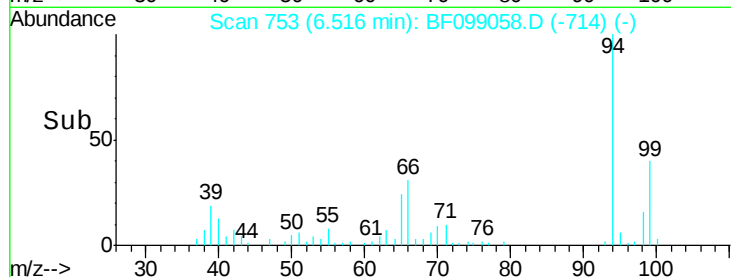
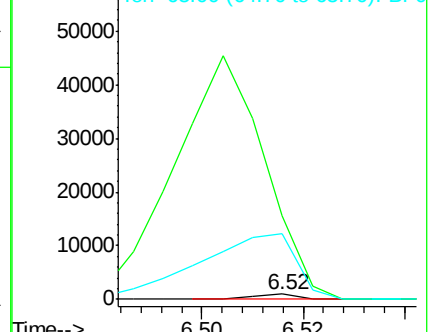
93 100

66 1674.1 32.2 48.2#

65 1311.8 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: 118.87 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

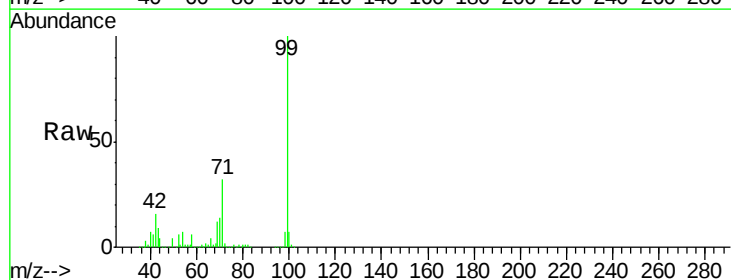
Tgt Ion: 99 Resp: 1144340

Ion Ratio Lower Upper

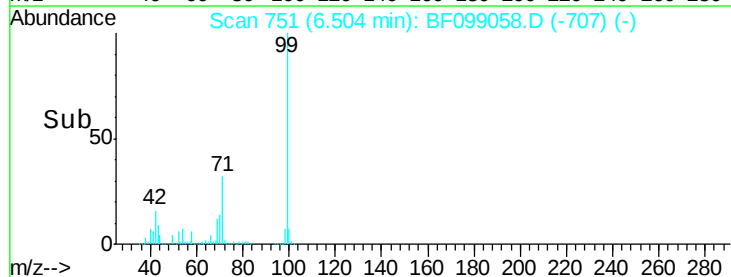
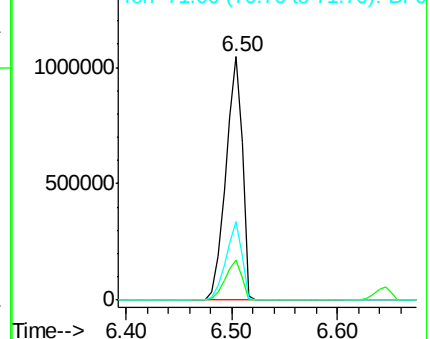
99 100

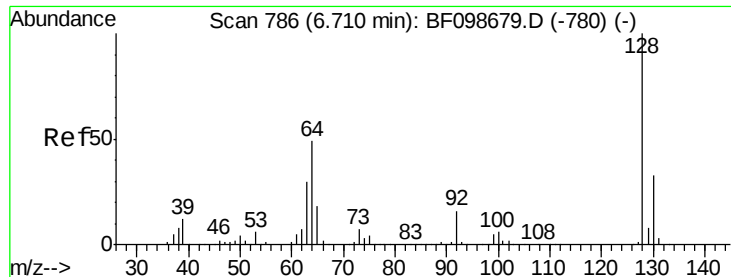
42 16.4 14.5 21.7

71 32.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

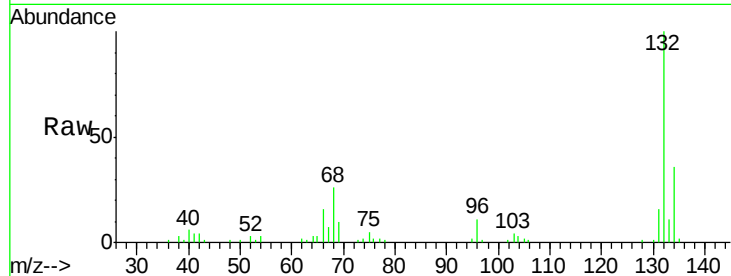




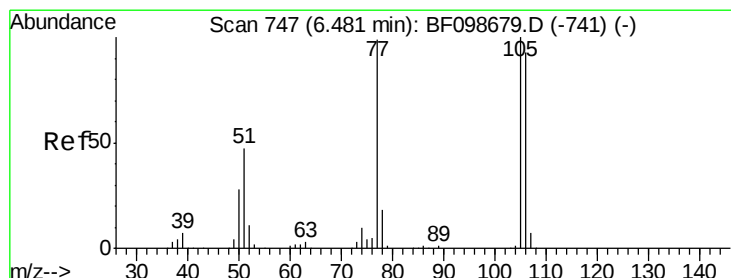
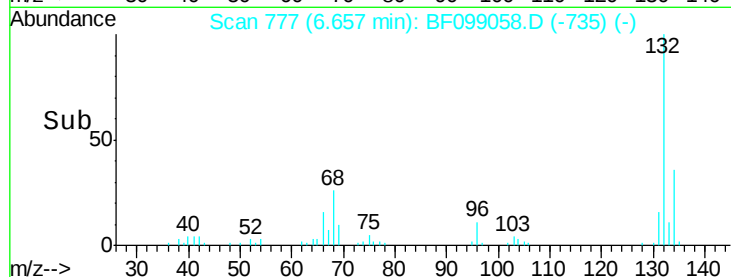
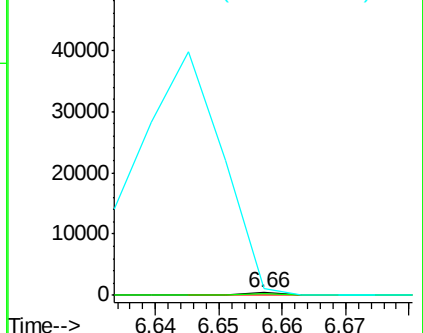
#8
2-Chlorophenol
Concen: 0.02 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.05 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:128 Resp: 139
Ion Ratio Lower Upper
128 100
130 95.9 13.0 53.0#
64 298.7 29.4 69.4#

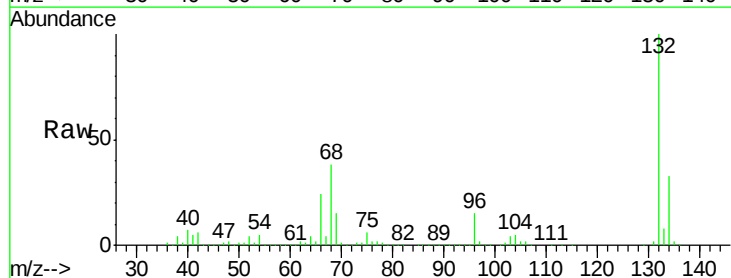


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

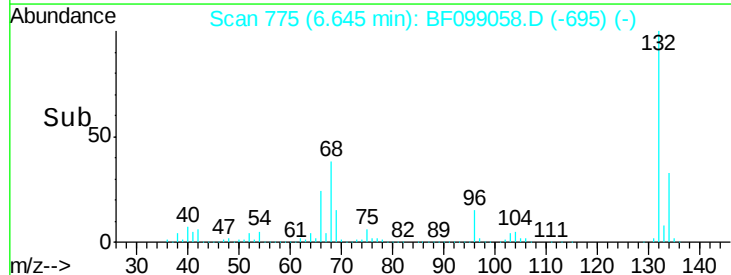
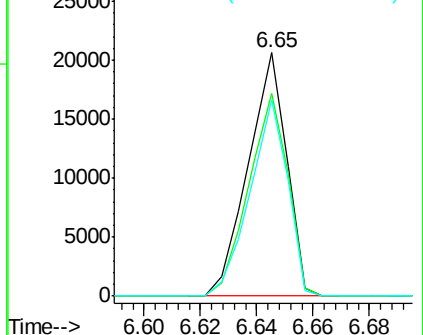


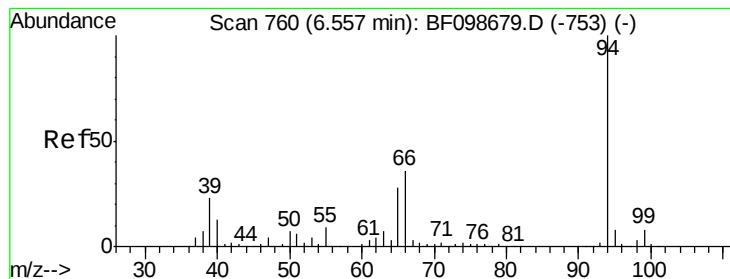
#9
Benzaldehyde
Concen: 3.49 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.17 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion: 77 Resp: 19486
Ion Ratio Lower Upper
77 100
105 83.3 81.1 121.1
106 80.4 74.5 114.5



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





#10

Phenol

Concen: 2.71 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.04 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

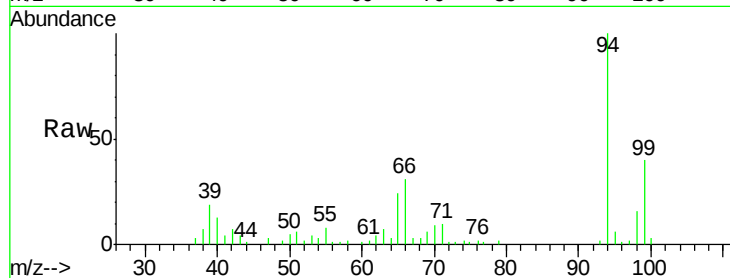
Tot Ion: 94 Resp: 29180

Ion Ratio Lower Upper

94 100

65 24.5 7.9 47.9

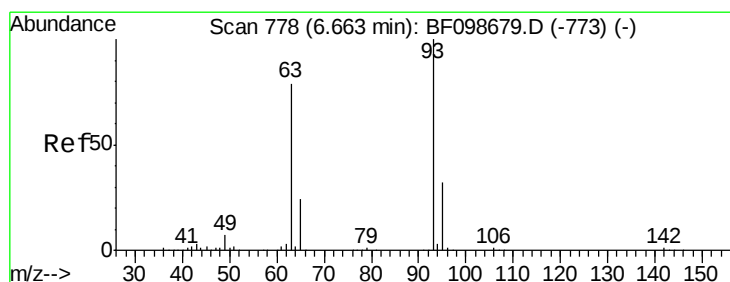
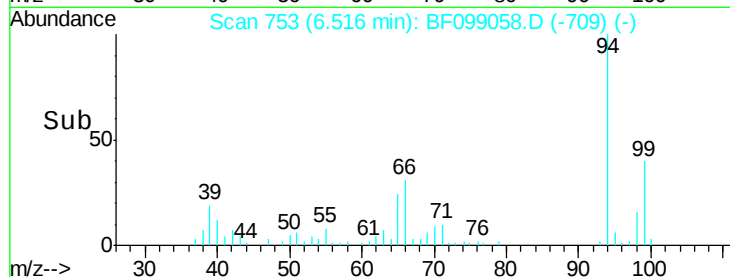
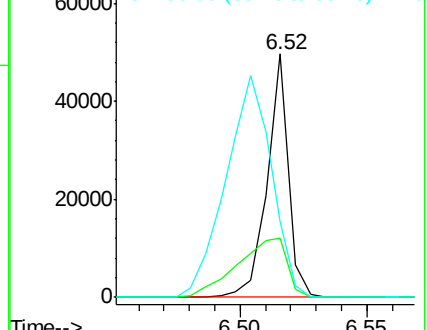
66 31.2 16.2 56.2



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: 0.15 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

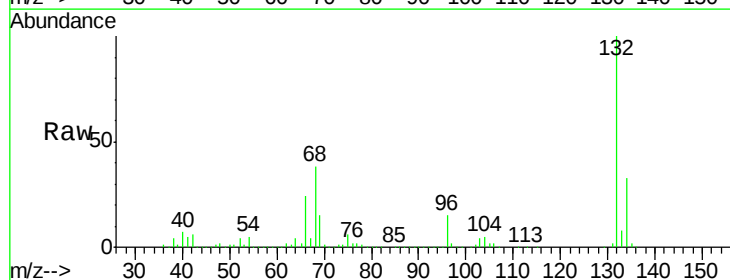
Tgt Ion: 93 Resp: 1275

Ion Ratio Lower Upper

93 100

63 586.9 58.6 98.6#

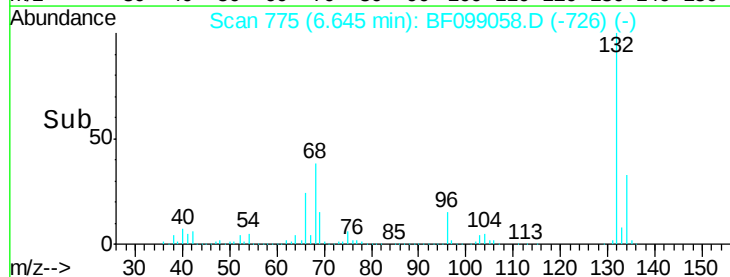
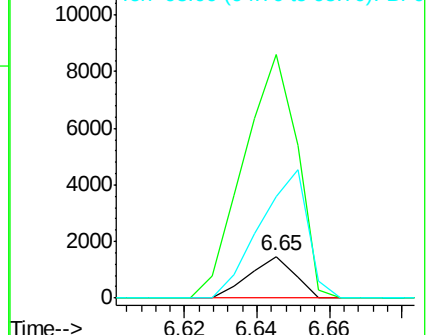
95 244.6 11.8 51.8#

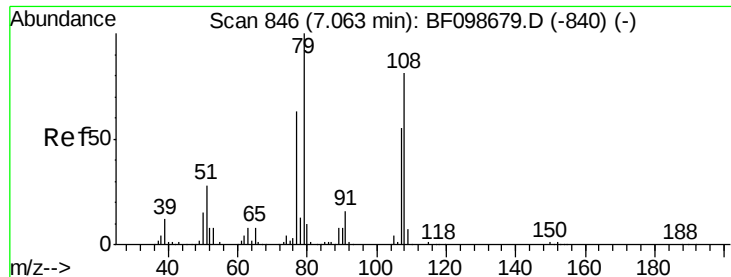


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 1.56 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.03 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

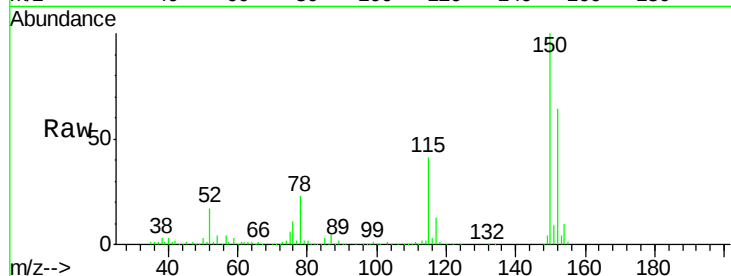
Tot Ion: 79 Resp: 11013

Ion Ratio Lower Upper

79 100

108 31.5 65.1 97.7#

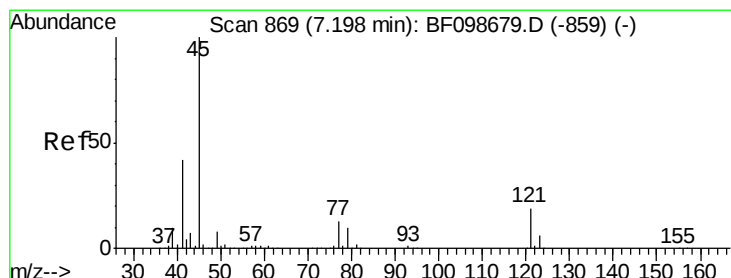
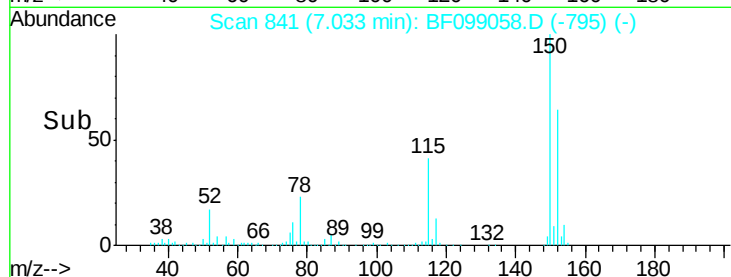
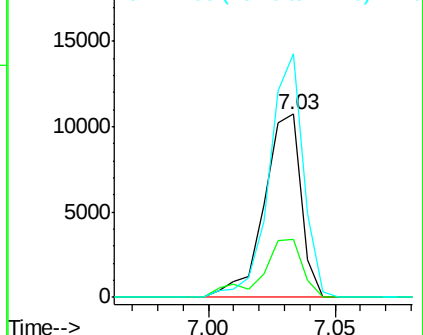
77 133.0 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.16 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.05 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

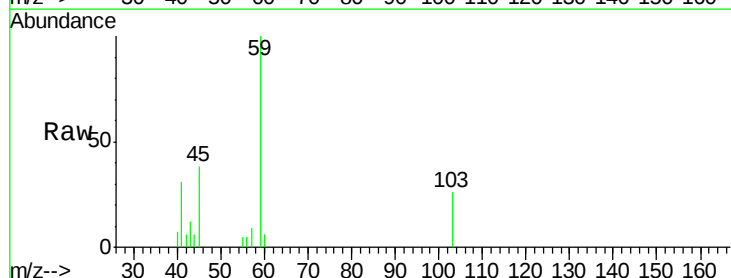
Tgt Ion: 45 Resp: 2033

Ion Ratio Lower Upper

45 100

77 0.0 0.0 32.9

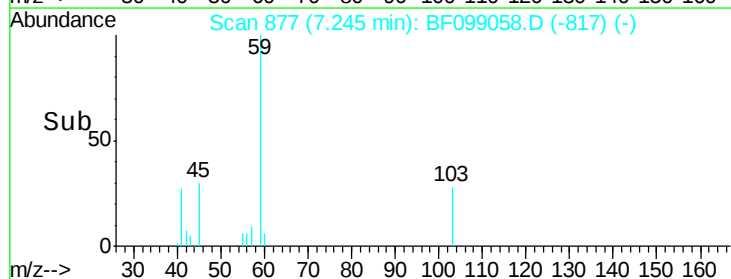
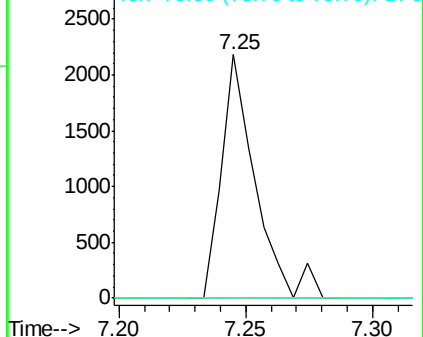
79 0.0 0.0 29.6

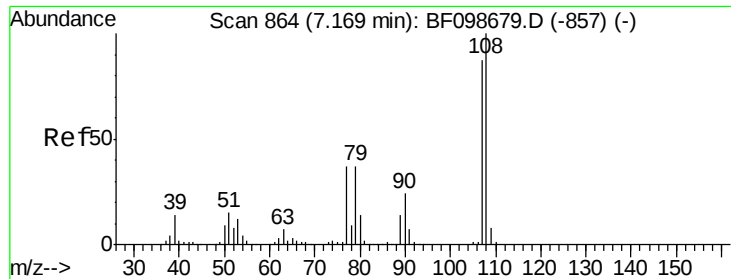


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

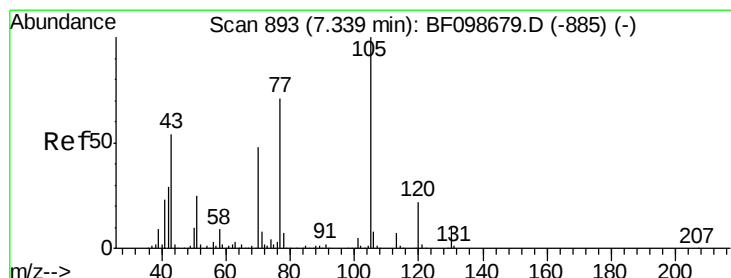
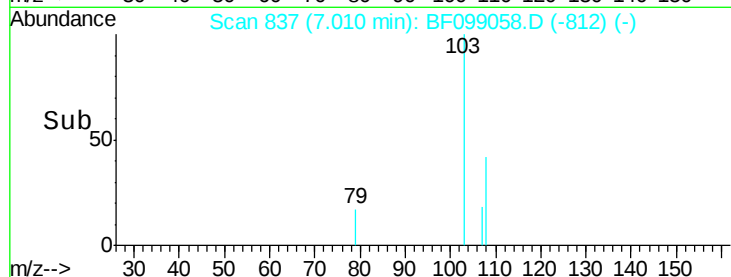
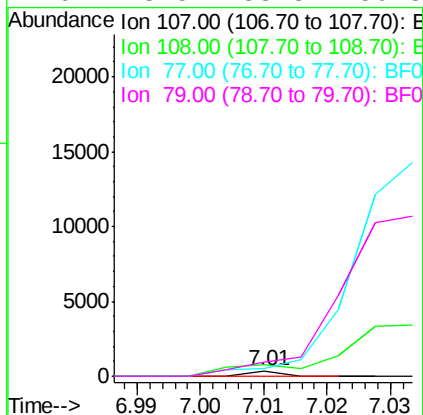
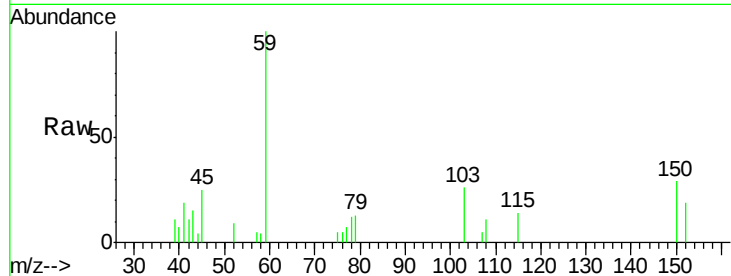




#17
2-Methylphenol
Concen: 0.02 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.15 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

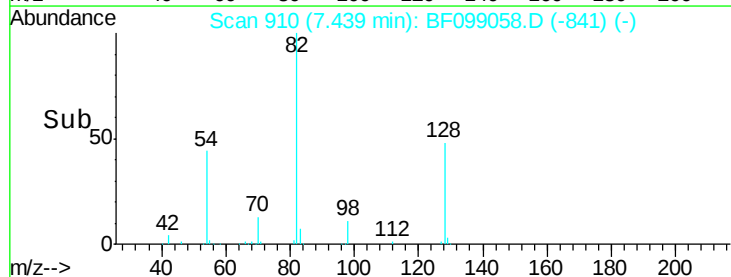
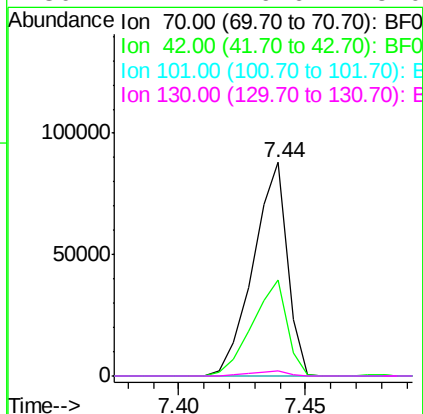
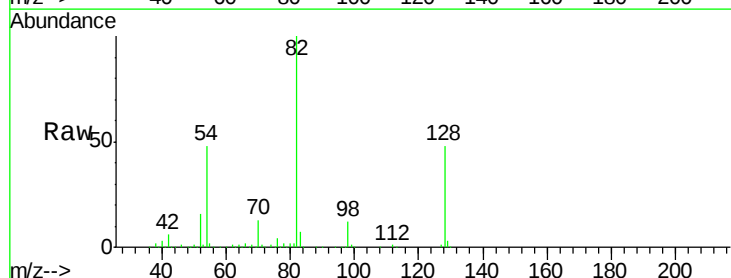
Instrument :
BNA_F
ClientSampled :

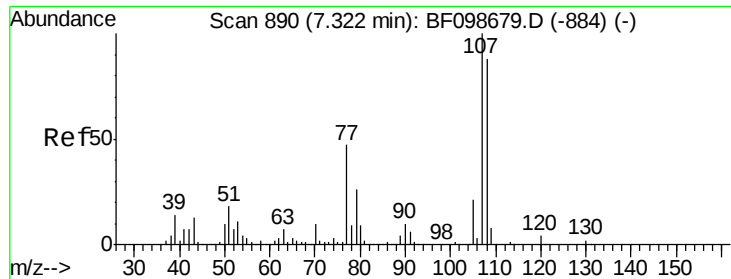
Tot Ion:107 Resp: 121
Ion Ratio Lower Upper
107 100
108 230.0 91.7 137.5#
77 149.3 33.8 50.8#
79 273.5 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.50 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.11 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion: 70 Resp: 82953
Ion Ratio Lower Upper
70 100
42 45.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#





#20

3+4-Methylphenols

Concen: 0.01 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.31 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 121

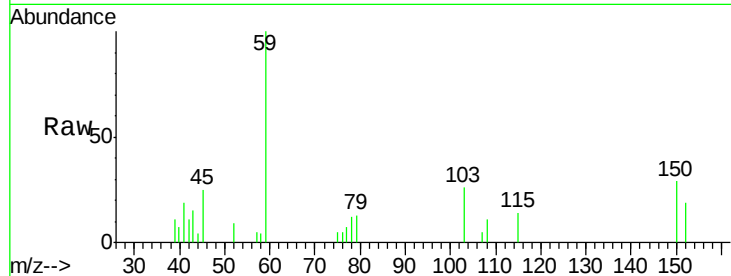
Ion Ratio Lower Upper

107 100

108 230.0 68.2 108.2#

77 149.3 26.7 66.7#

79 273.5 6.3 46.3#

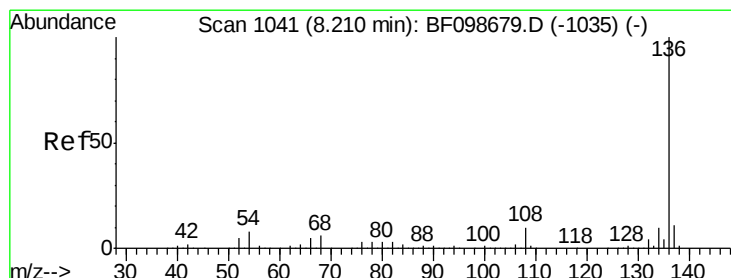
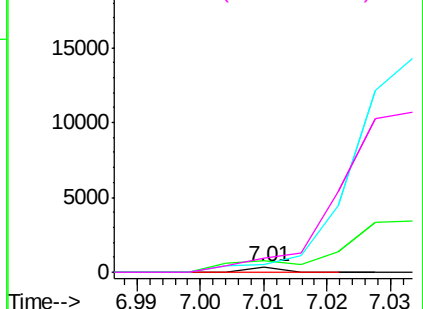
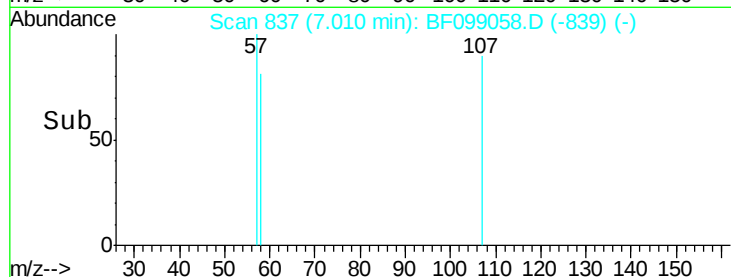


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Tgt Ion:136 Resp: 431399

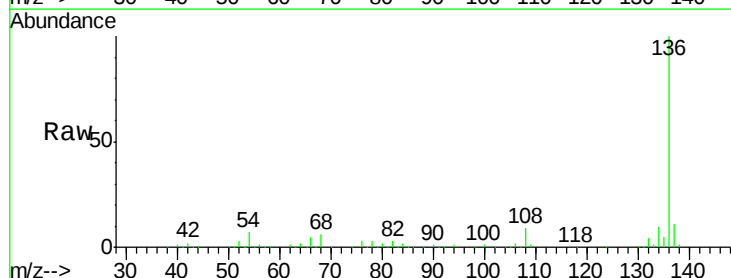
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.6 9.8

68 5.5 5.0 7.4

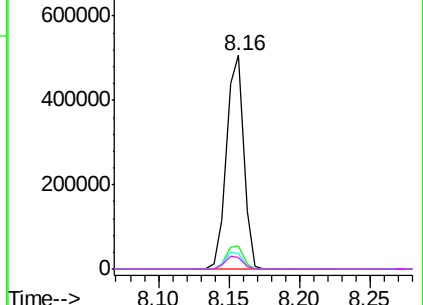
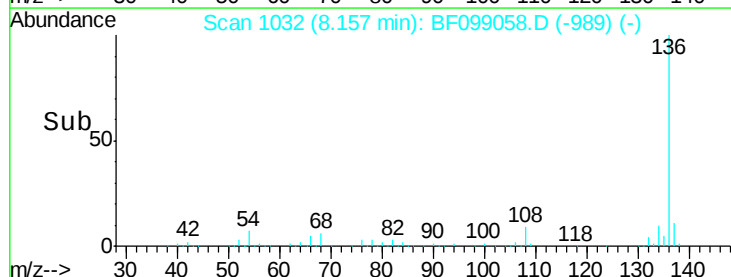


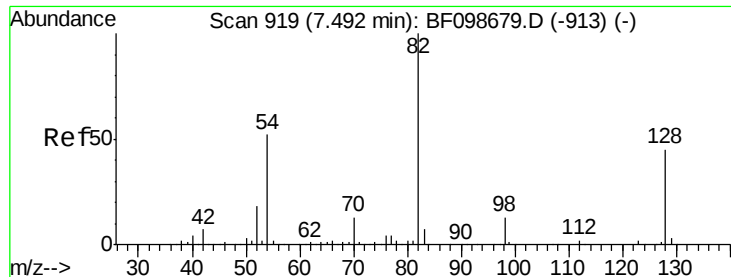
Abundance Ion 136.00 (135.70 to 136.70): E

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

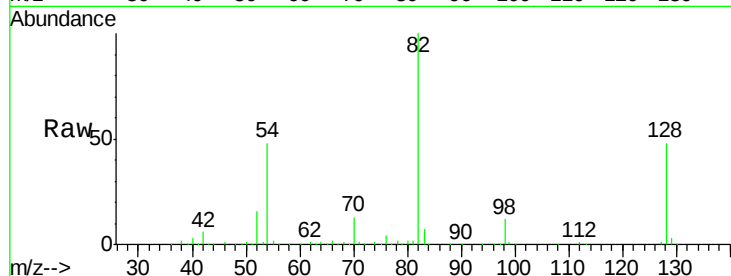




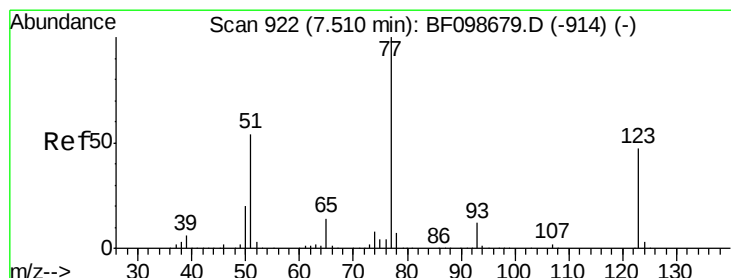
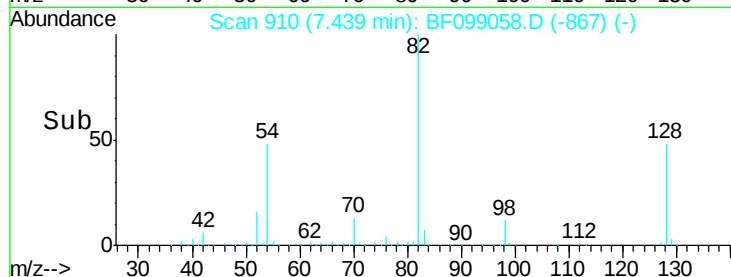
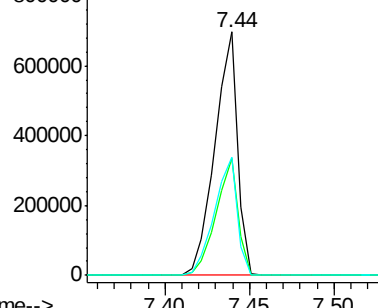
#23
Nitrobenzene-d5
Concen: 96.89 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.05 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 651799
Ion Ratio Lower Upper
82 100
128 47.9 36.1 54.1
54 48.5 41.4 62.2

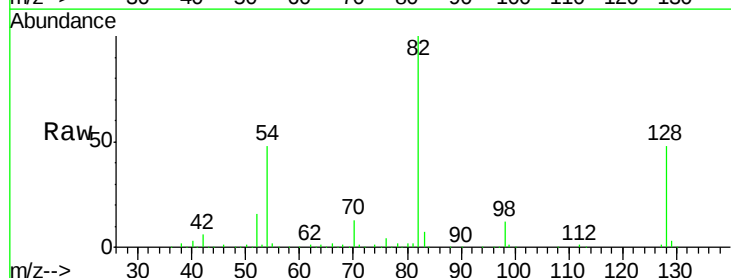


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

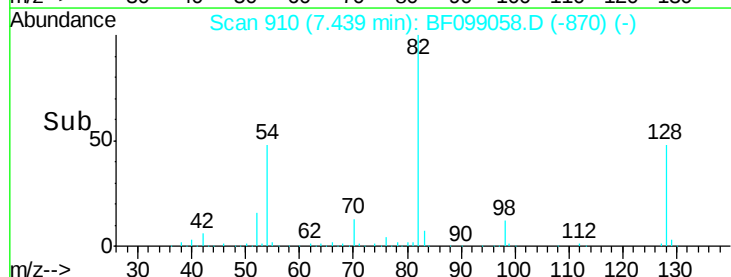
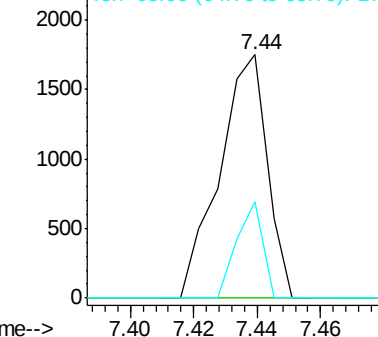


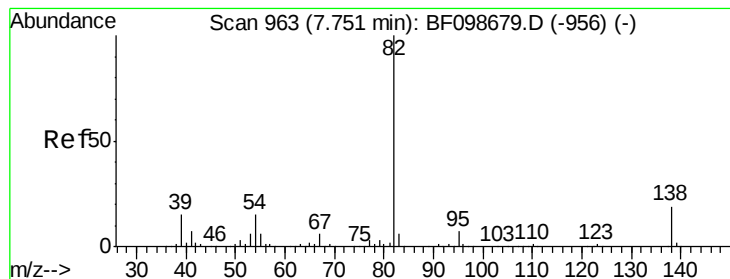
#24
Nitrobenzene
Concen: 0.24 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.06 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion: 77 Resp: 1831
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 39.6 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: 46.39 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.31 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

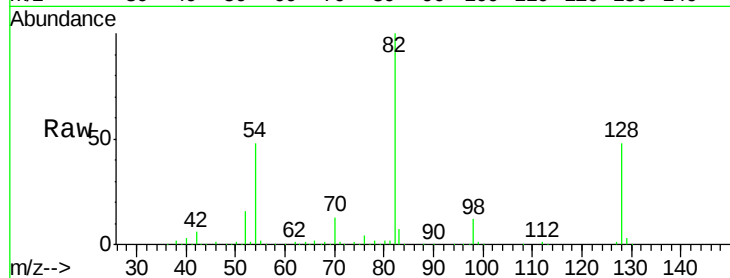
Tot Ion: 82 Resp: 645130

Ion Ratio Lower Upper

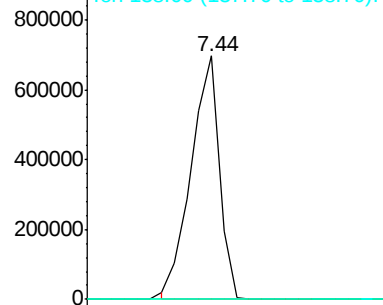
82 100

95 0.0 5.2 7.8#

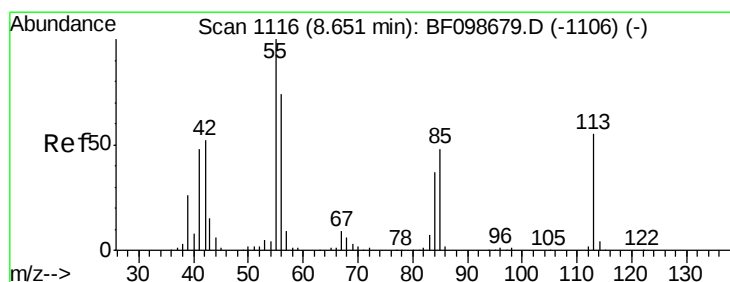
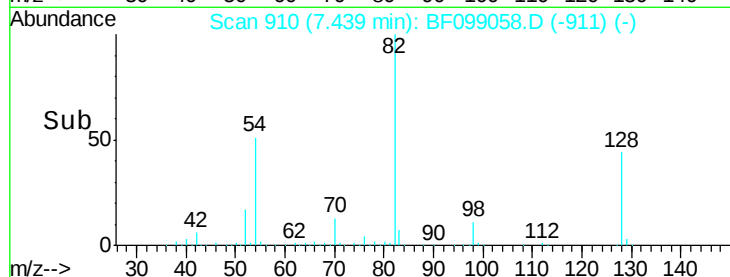
138 0.0 14.9 22.3#



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): BF0



Time-->



#35

Caprolactam

Concen: 0.64 ng

RT: 8.71 min Scan# 1126

Delta R.T. 0.06 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

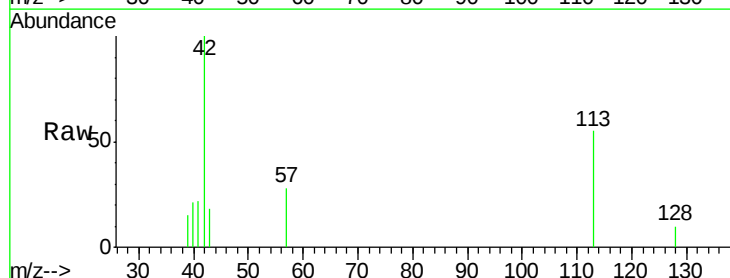
Tgt Ion: 113 Resp: 1225

Ion Ratio Lower Upper

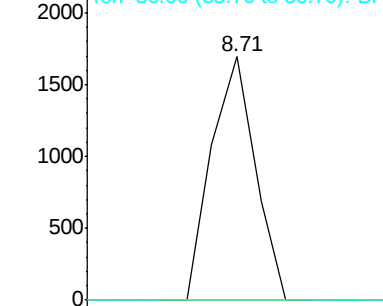
113 100

55 0.0 163.3 203.3#

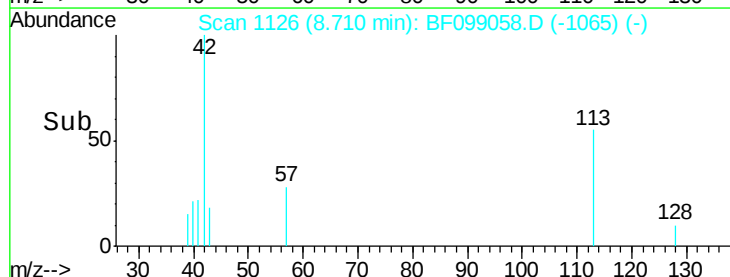
56 0.0 115.7 155.7#

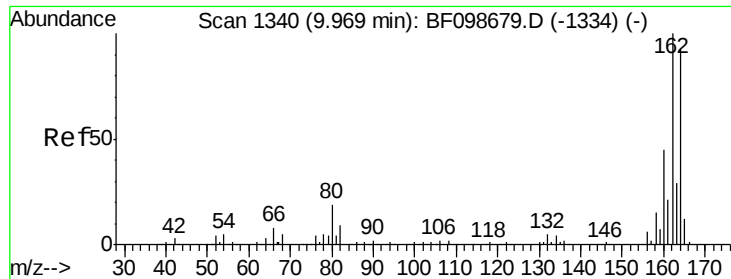


Abundance Ion 113.00 (112.70 to 113.70): BF0
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0



Time-->

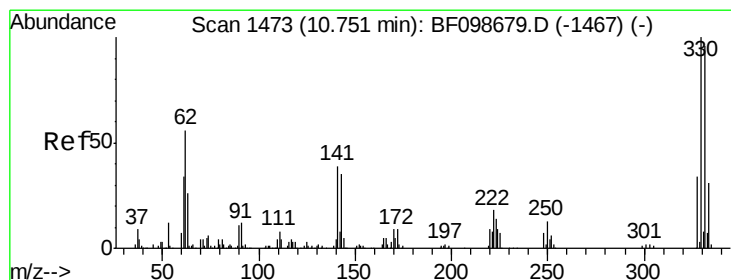
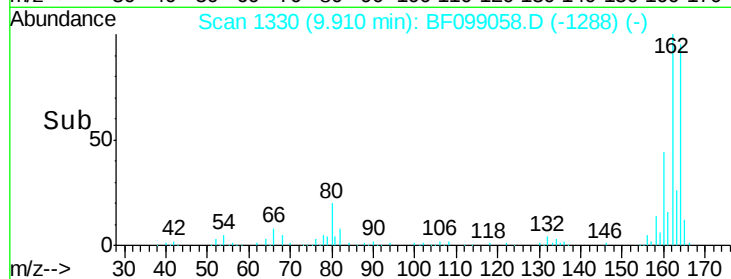
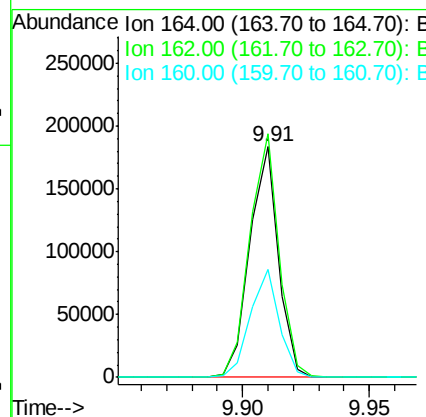
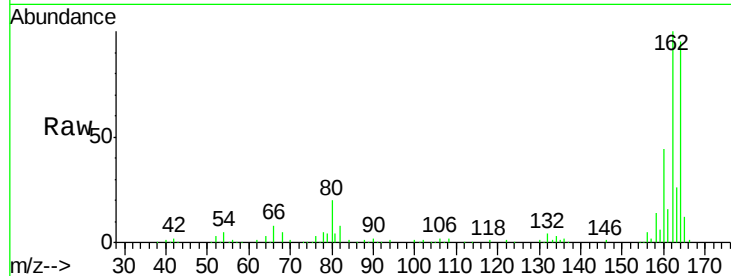




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

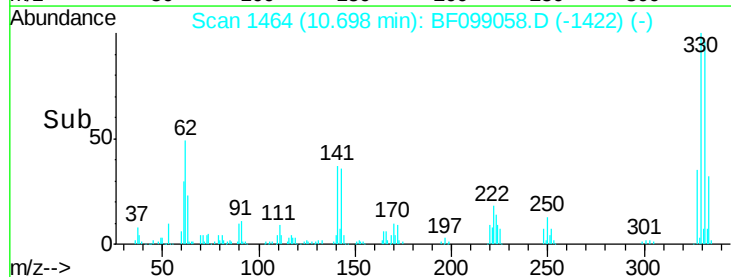
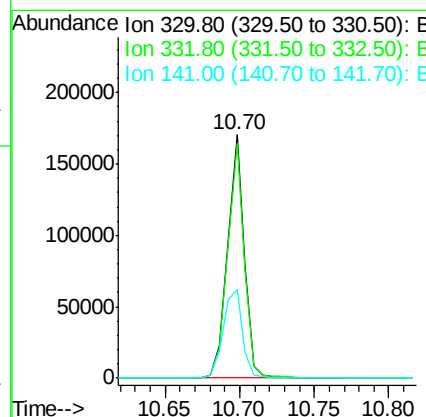
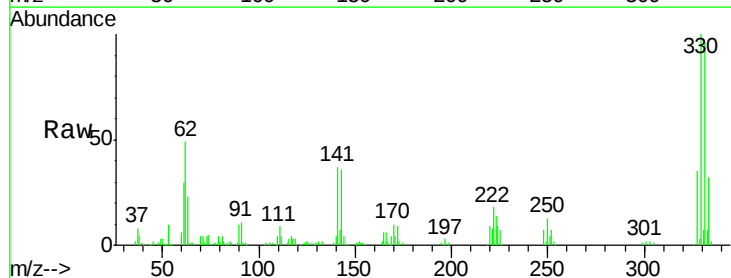
Instrument :
 BNA_F
 ClientSampleId :

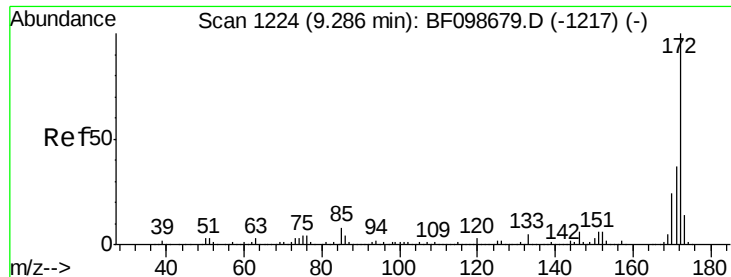
Tot Ion:164 Resp: 144443
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 115.46 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion:330 Resp: 136467
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 41.7 29.9 44.9

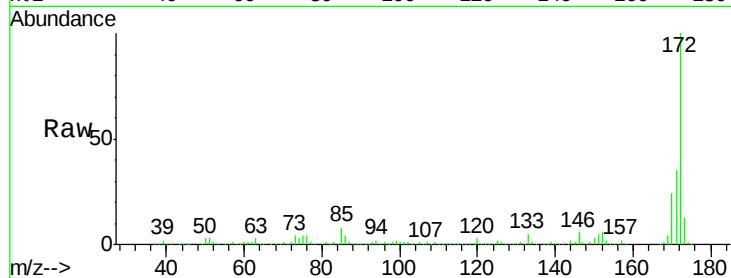




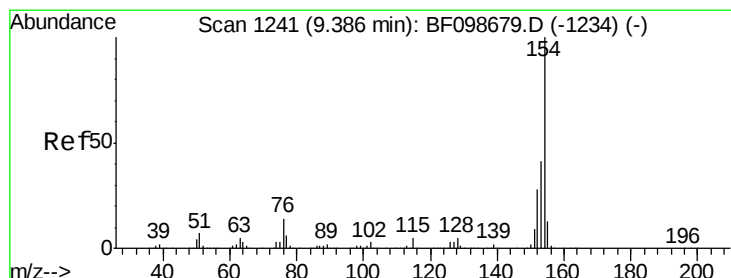
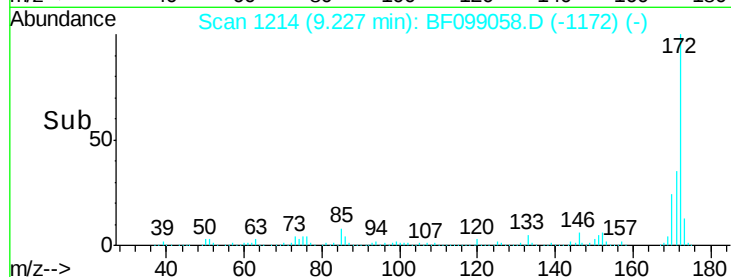
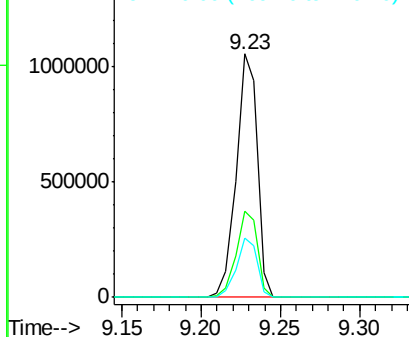
#44
 2-Fluorobiphenyl
 Concen: 111.99 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.2	19.6	29.4

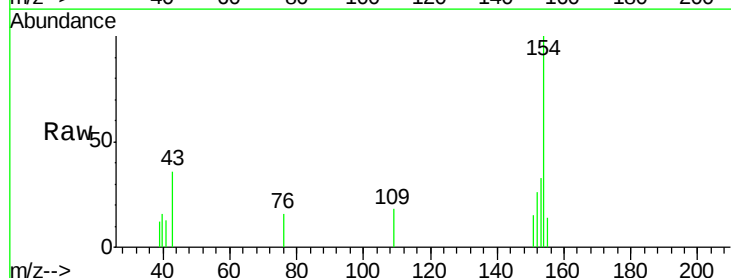


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

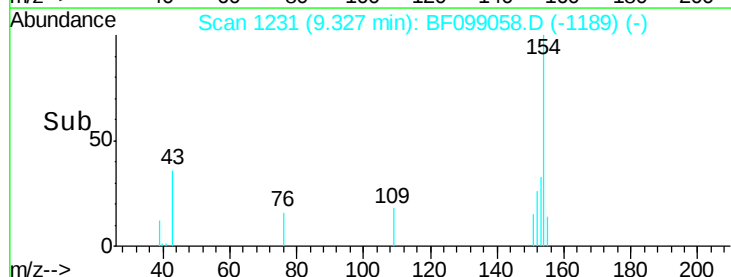
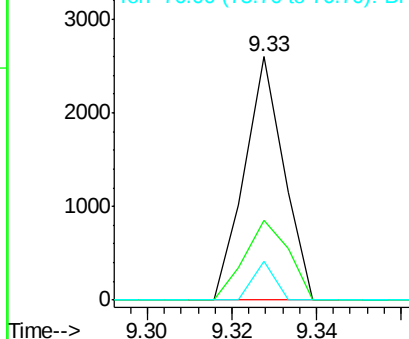


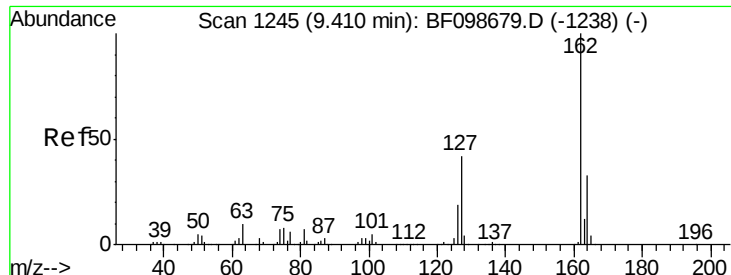
#45
 1,1'-Biphenyl
 Concen: 0.14 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	32.7	21.3	61.3
76	16.0	0.0	34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

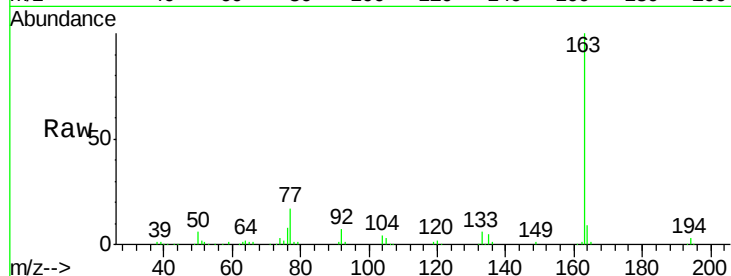




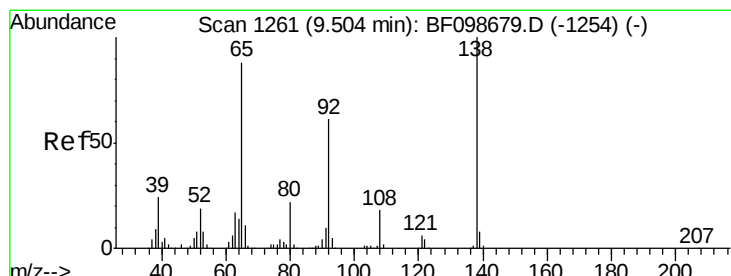
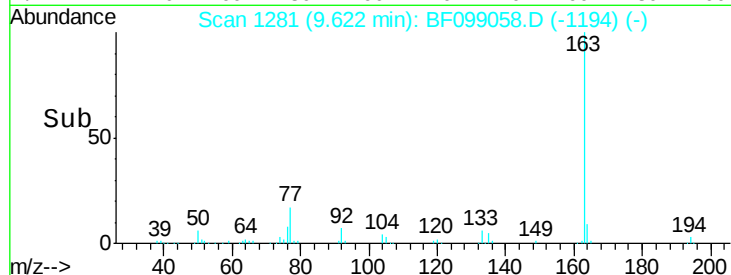
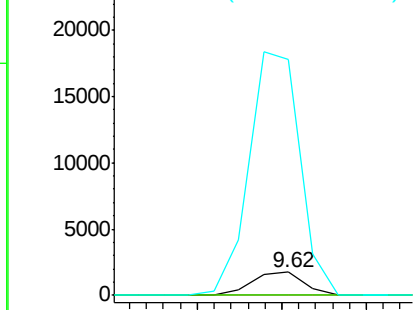
#46
2-Chloronaphthalene
Concen: 0.16 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.21 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 1515
Ion Ratio Lower Upper
162 100
127 0.0 33.9 50.9#
164 1009.7 26.5 39.7#

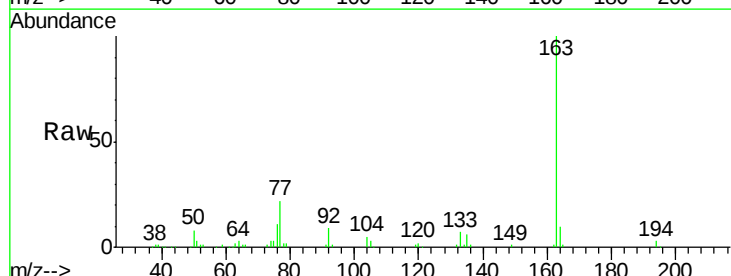


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

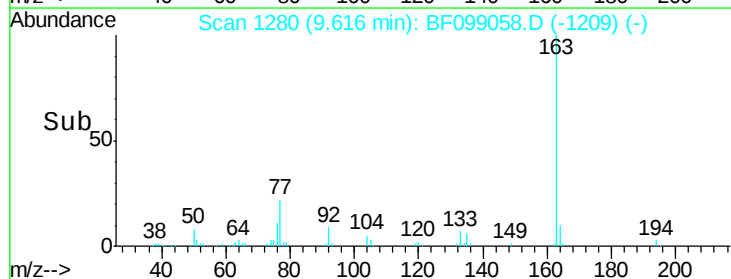
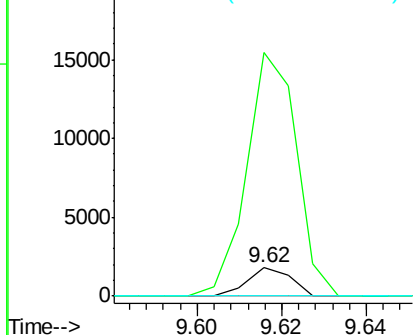


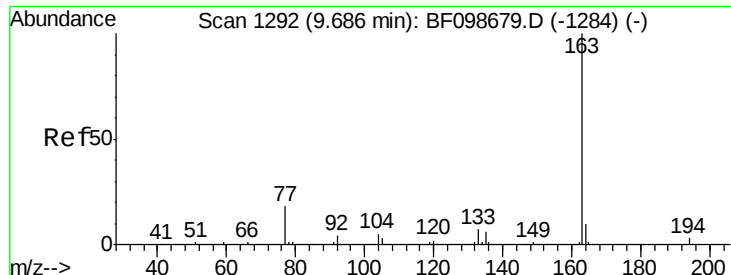
#47
2-Nitroaniline
Concen: 0.44 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.12 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion: 65 Resp: 1267
Ion Ratio Lower Upper
65 100
92 866.2 55.8 83.6#
138 0.0 91.2 136.8#



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

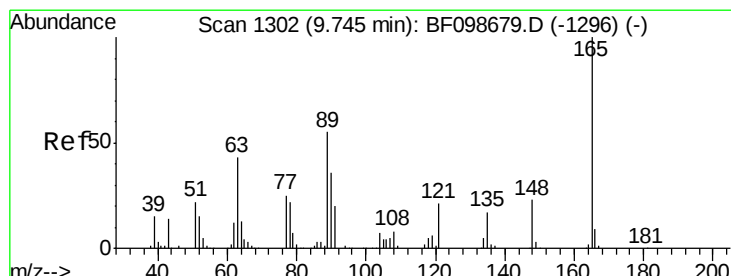
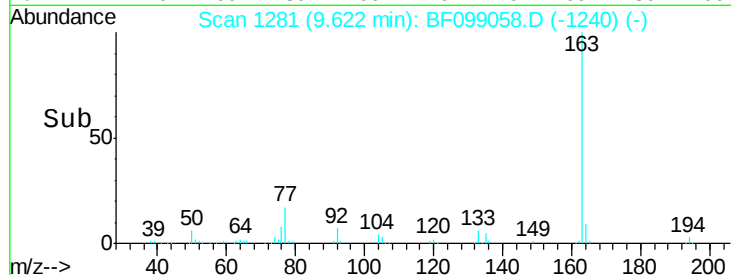
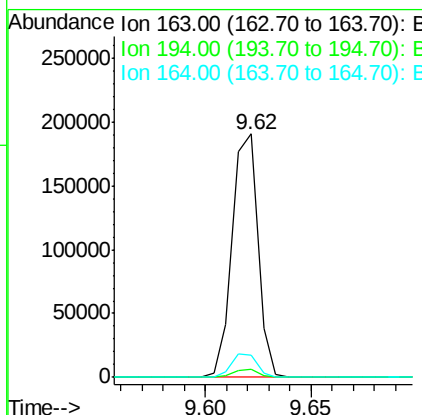
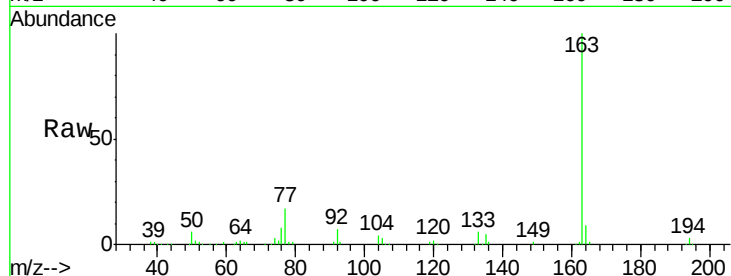




#49
Dimethylphthalate
Concen: 14.72 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

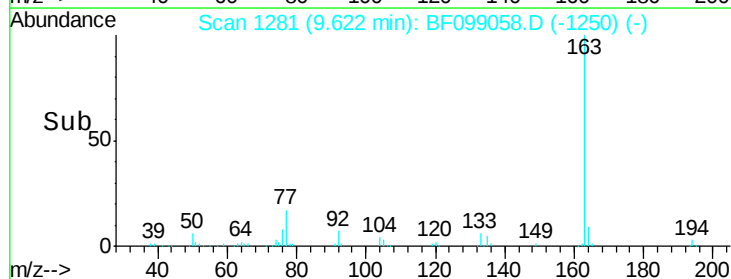
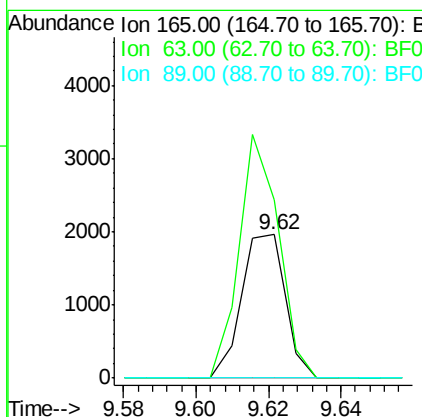
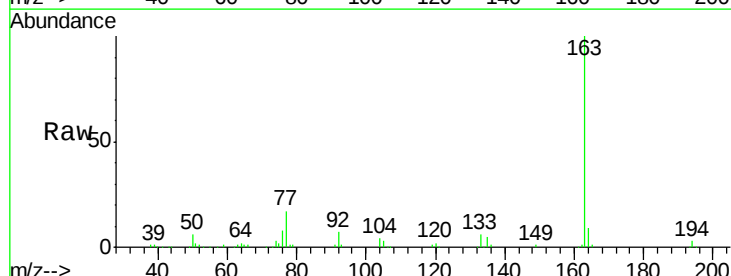
Instrument :
BNA_F
ClientSampled :

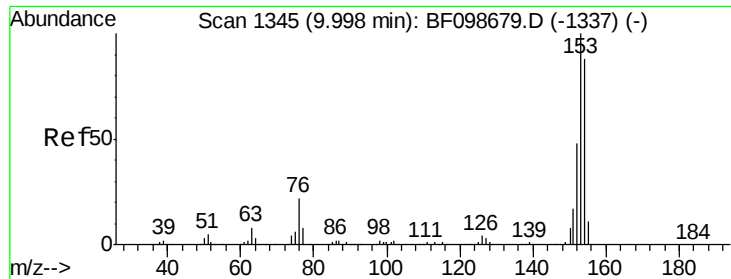
Tot Ion:163 Resp: 160479
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.3 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 0.69 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.12 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion:165 Resp: 1638
Ion Ratio Lower Upper
165 100
63 124.5 44.7 67.1#
89 0.0 44.0 66.0#





#51

Acenaphthene

Concen: 0.07 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.09 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampled :

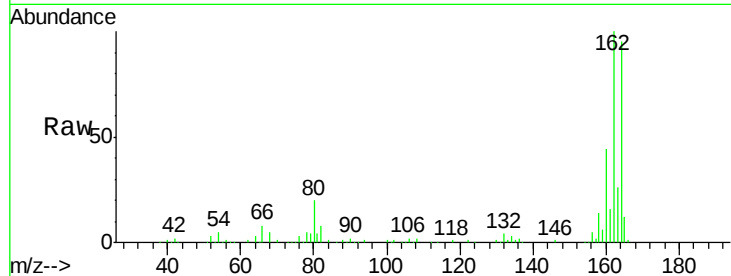
Tot Ion:154 Resp: 623

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

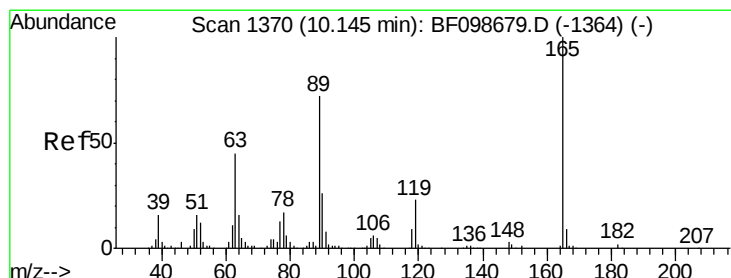
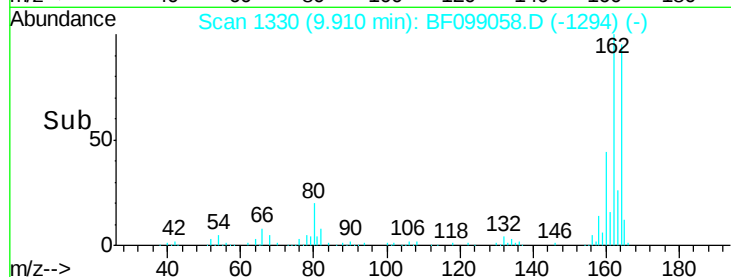
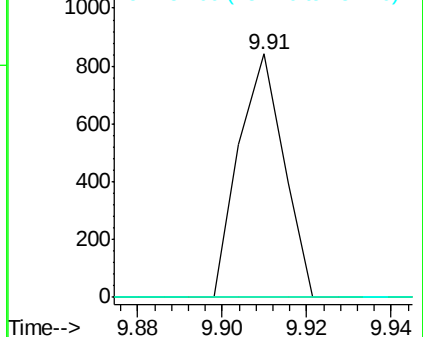
152 0.0 43.8 65.8#



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: 6.02 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.24 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Tgt Ion:165 Resp: 18538

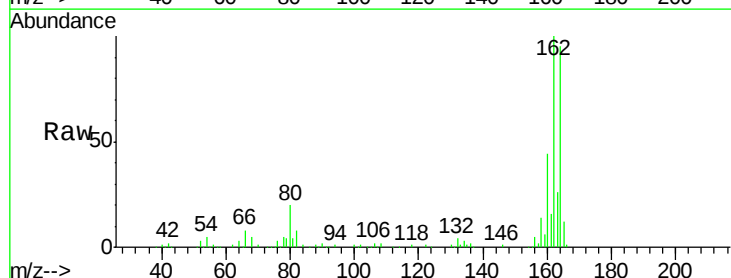
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

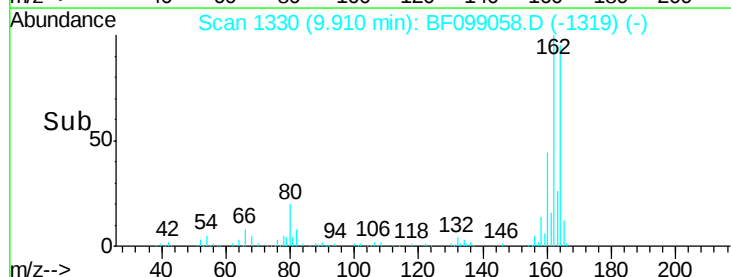
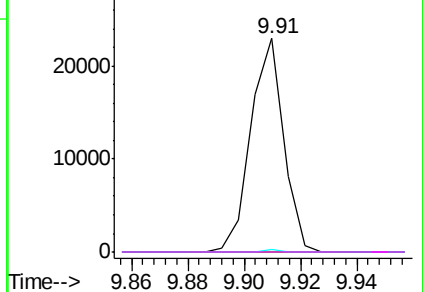


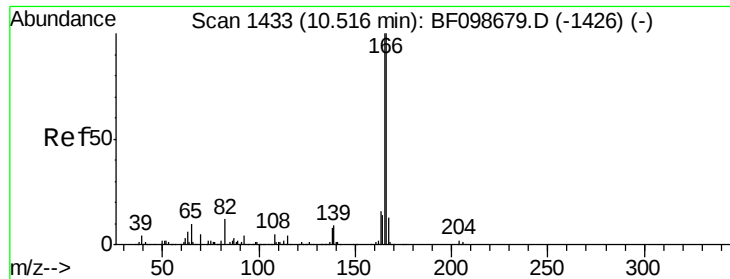
Abundance Ion 165.00 (164.70 to 165.70): E

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

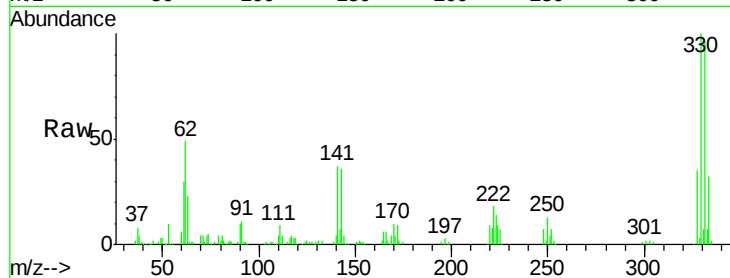




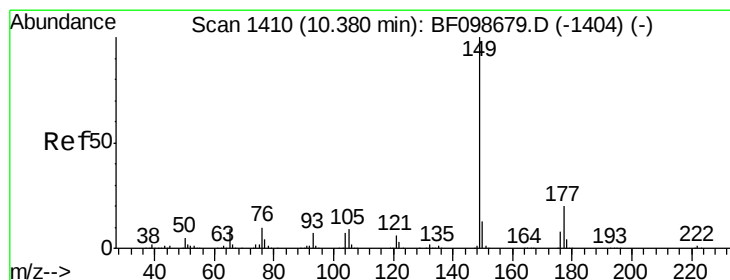
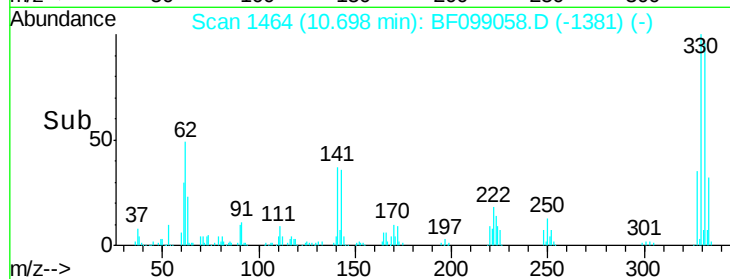
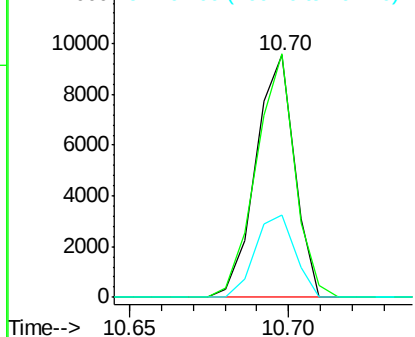
#57
 Fluorene
 Concen: 0.84 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.19 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 8084
 Ion Ratio Lower Upper
 166 100
 165 100.7 79.8 119.8
 167 34.2 10.6 16.0#

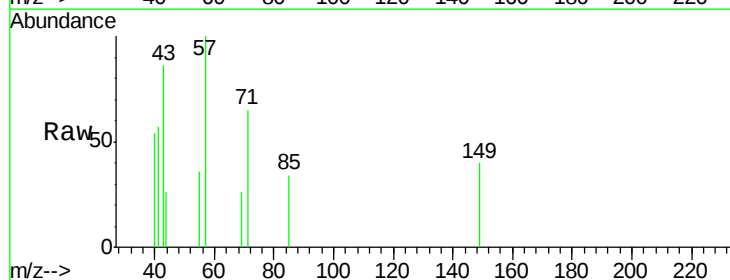


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

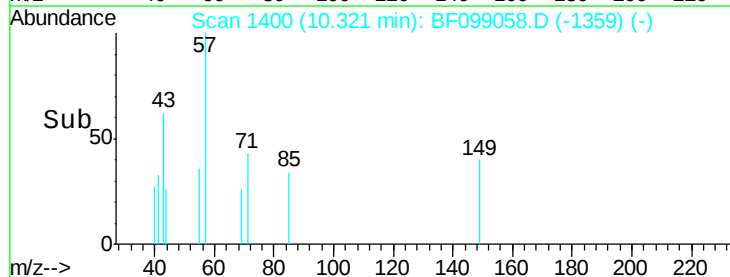
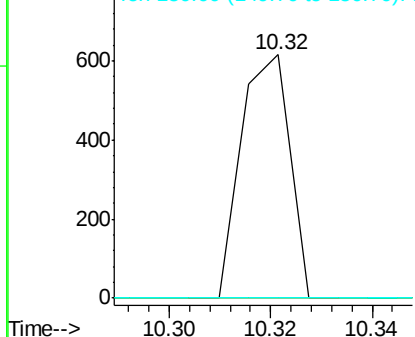


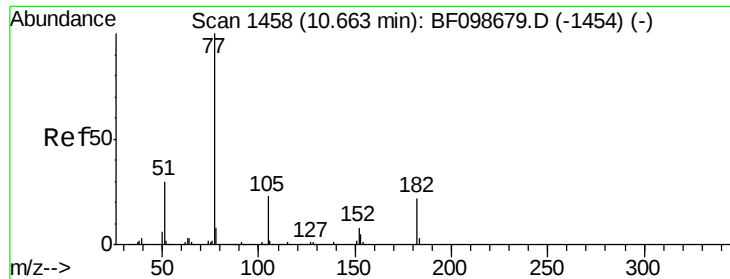
#59
 Diethylphthalate
 Concen: 0.04 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.06 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion:149 Resp: 409
 Ion Ratio Lower Upper
 149 100
 177 0.0 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: 0.10 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.04 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 947

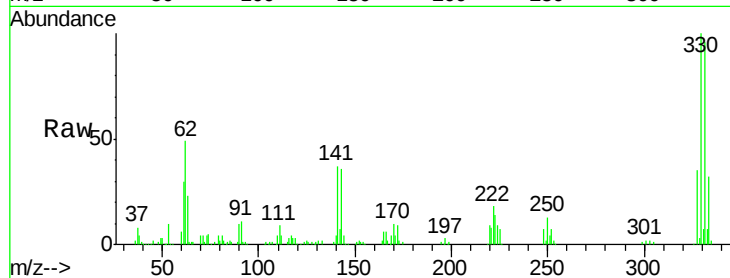
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 55.5 3.0 43.0#

51 62.4 9.9 49.9#

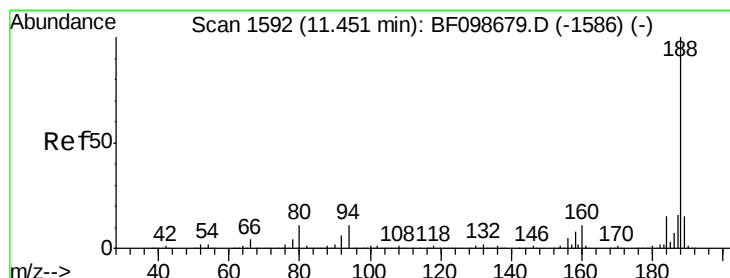
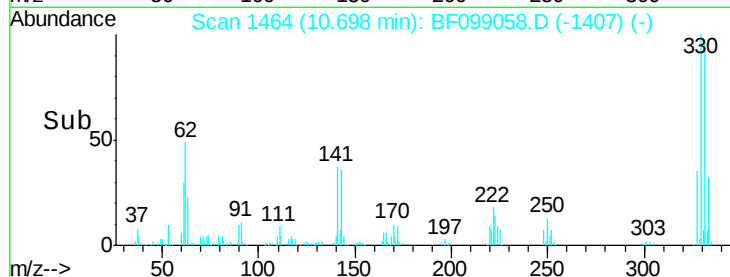
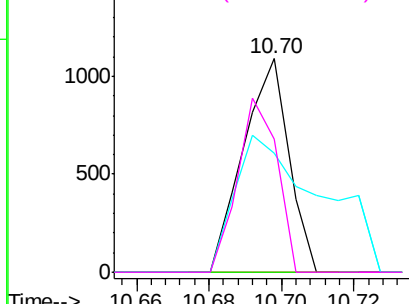


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.05 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

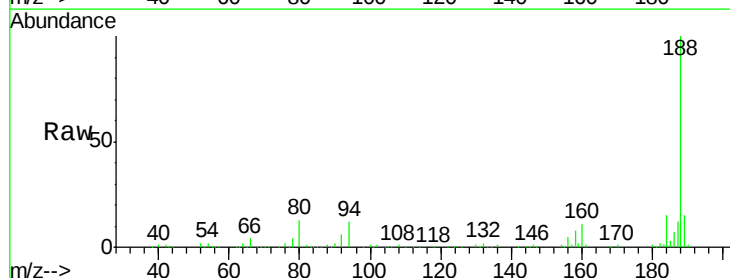
Tgt Ion: 188 Resp: 220088

Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

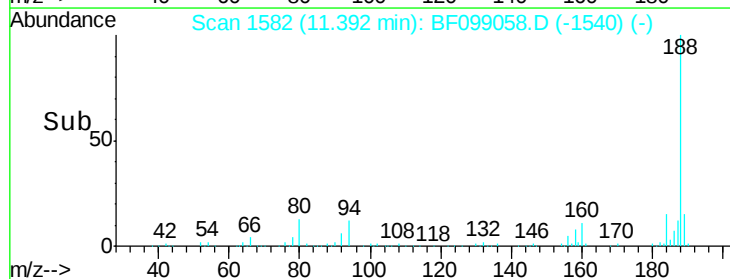
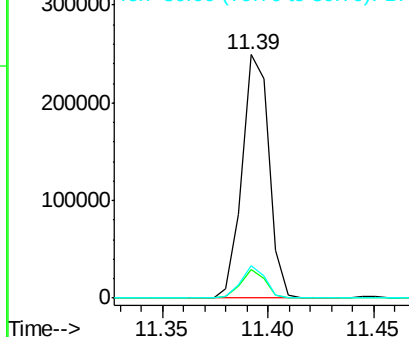
80 13.3 9.2 13.8

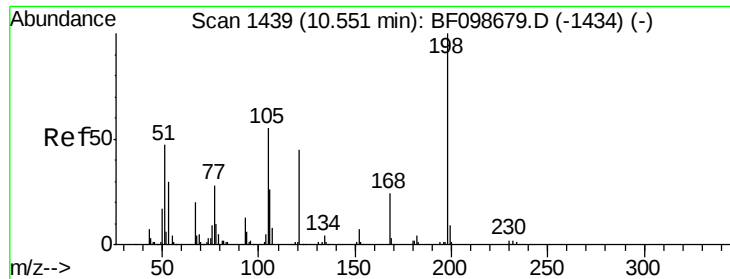


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

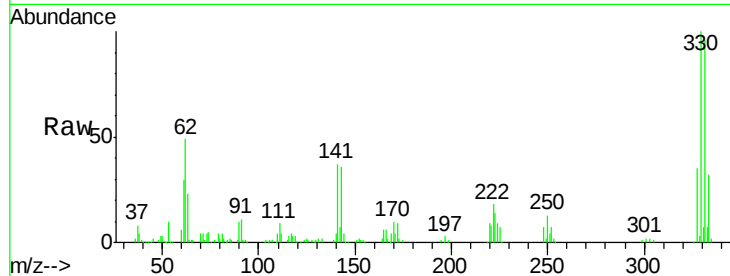




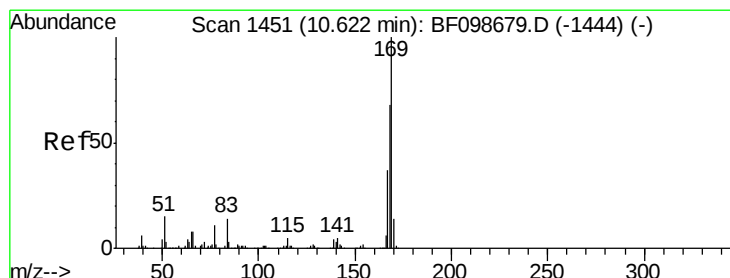
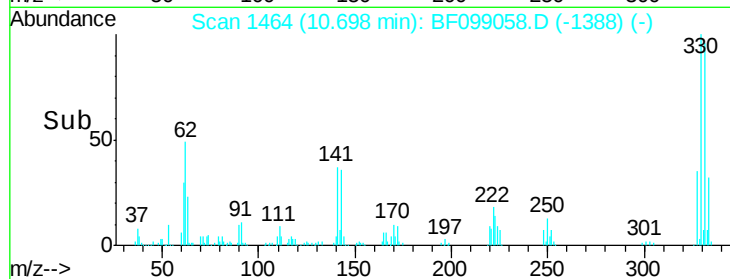
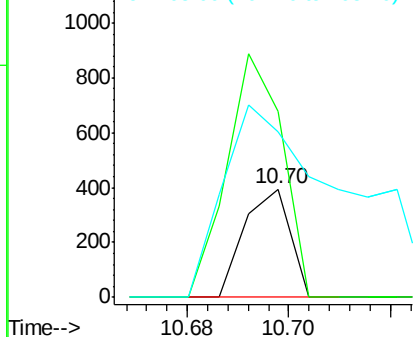
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.18 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.15 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 246
 Ion Ratio Lower Upper
 198 100
 51 172.2 37.7 77.7#
 105 153.2 36.3 76.3#

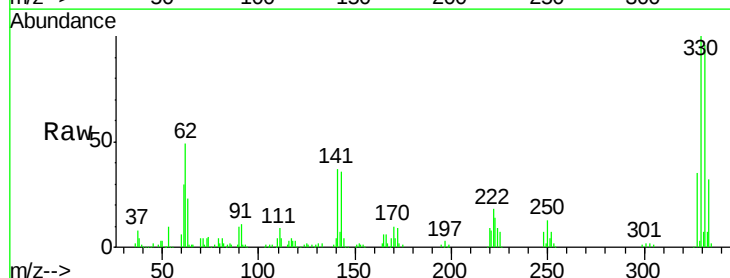


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

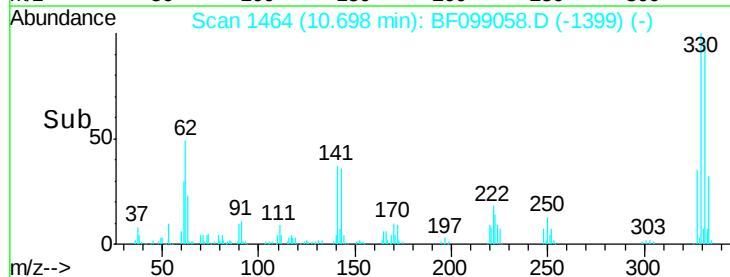
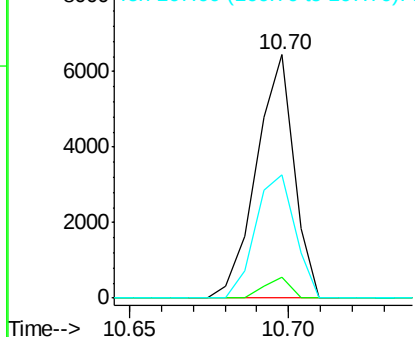


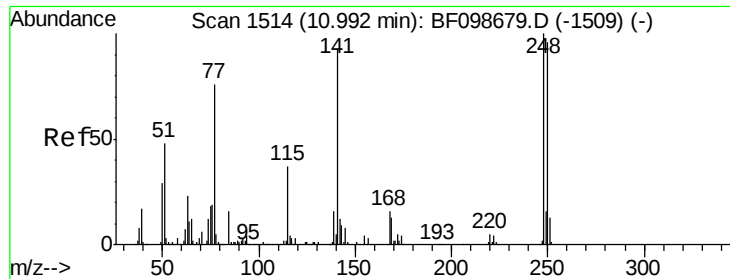
#65
 n-Nitrosodiphenylamine
 Concen: 0.70 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.08 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion:169 Resp: 5309
 Ion Ratio Lower Upper
 169 100
 168 8.7 54.4 81.6#
 167 50.5 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

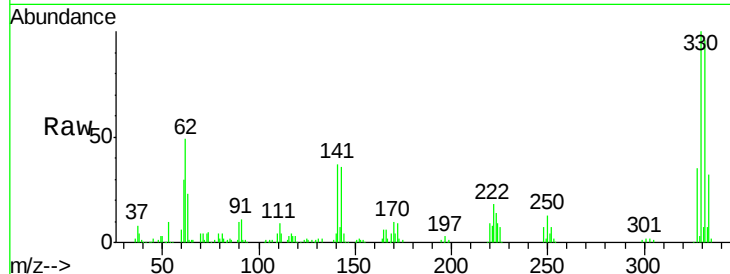




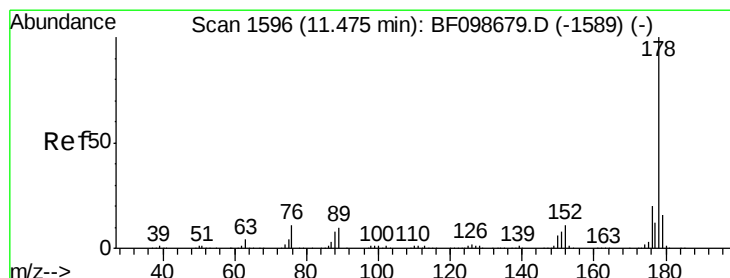
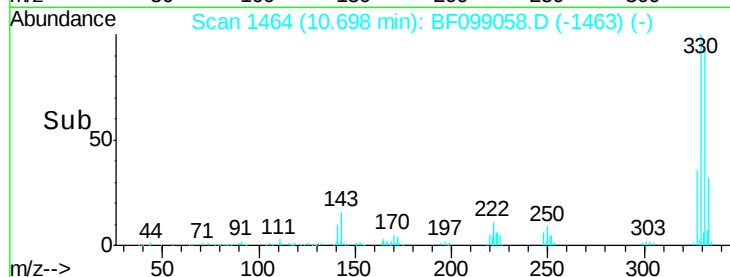
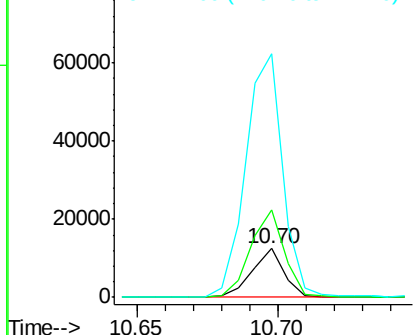
#66
 4-Bromophenyl-phenylether
 Concen: 4.59 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.29 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 9896
 Ion Ratio Lower Upper
 248 100
 250 179.2 76.9 115.3#
 141 497.6 74.4 111.6#

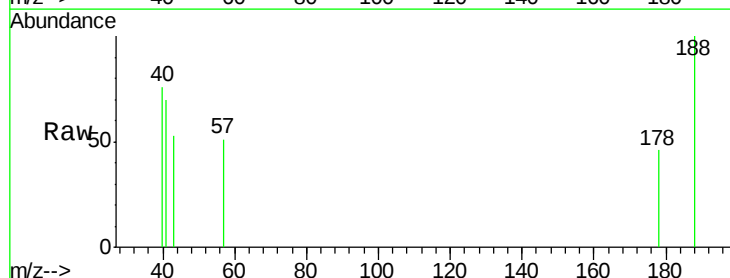


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

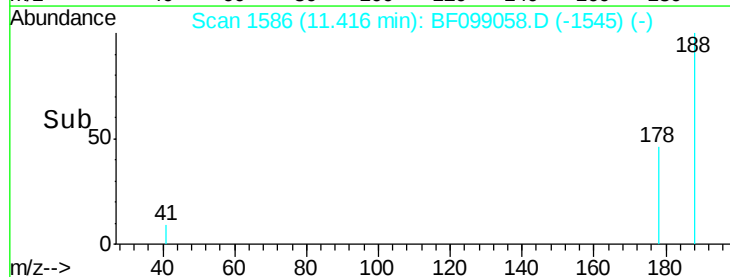
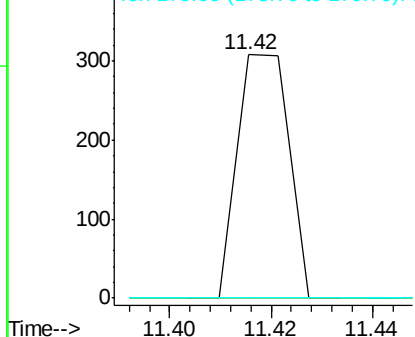


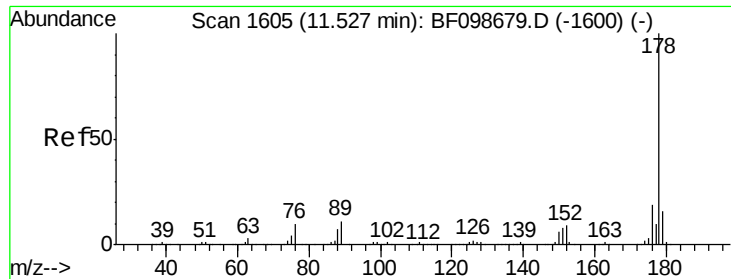
#70
 Phenanthrene
 Concen: 0.02 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.06 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion:178 Resp: 217
 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: 11.42 min Scan# 1586

Delta R.T. -0.11 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

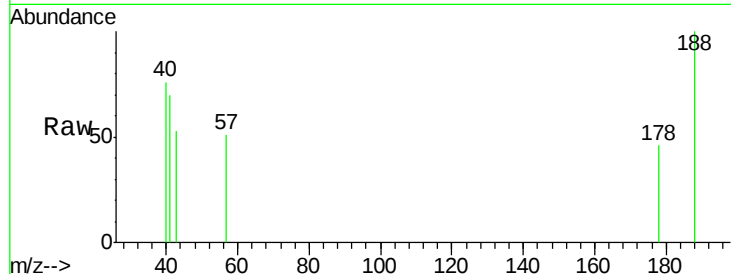
Tot Ion:178 Resp: 217

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

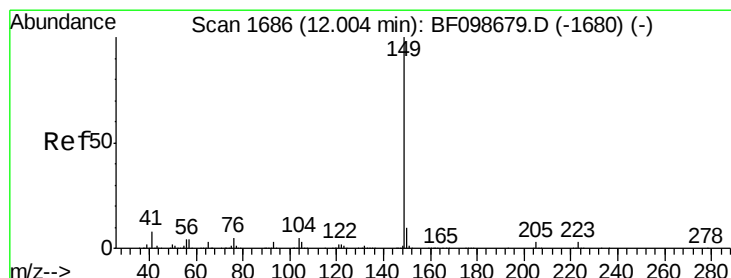
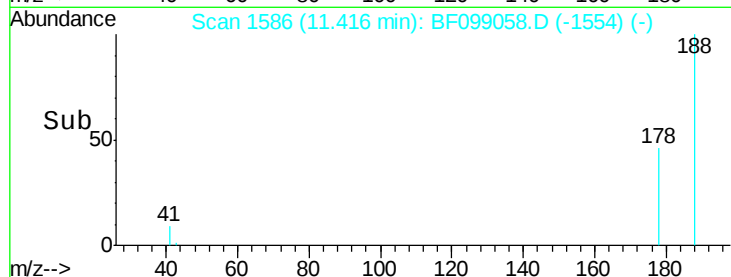
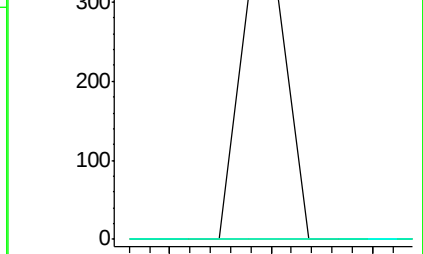
179 0.0 12.6 19.0#



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: 0.11 ng

RT: 11.94 min Scan# 1676

Delta R.T. -0.06 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

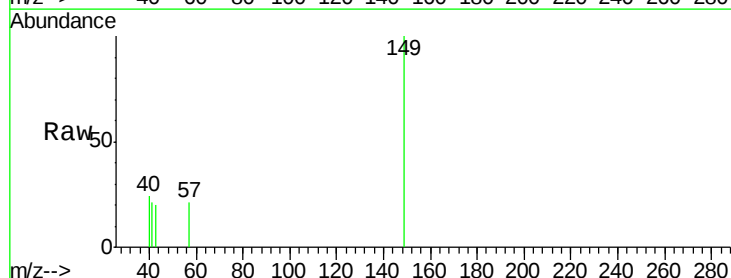
Tgt Ion:149 Resp: 1492

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

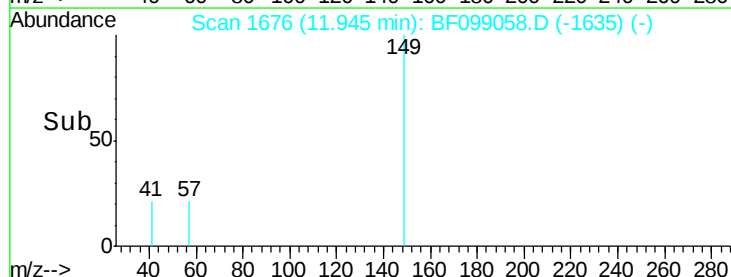
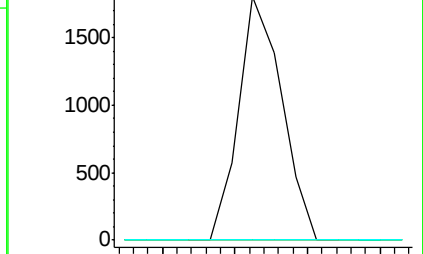
104 0.0 3.8 5.8#

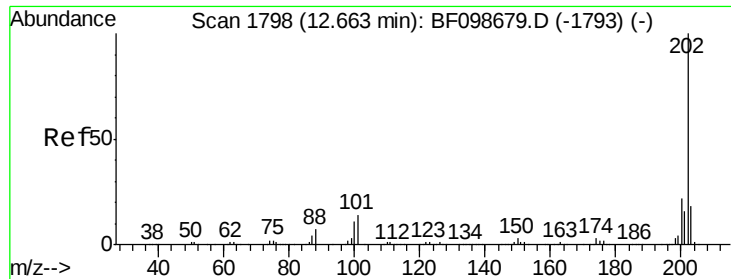


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

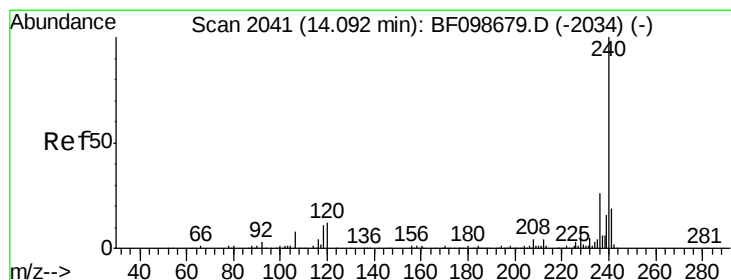
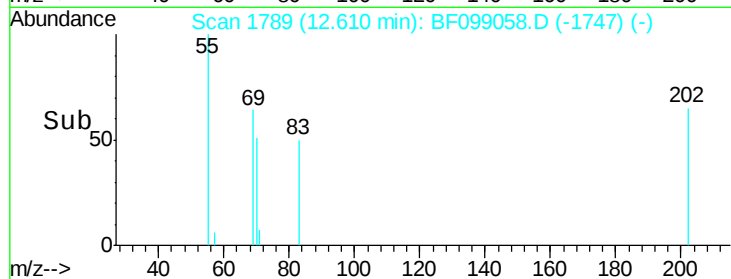
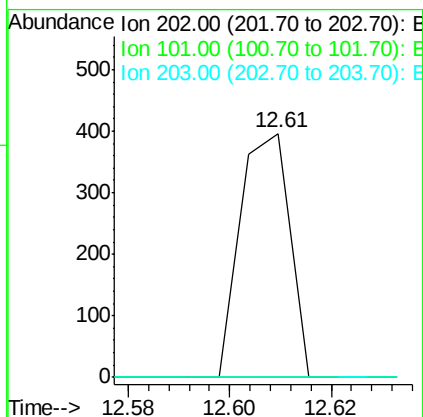
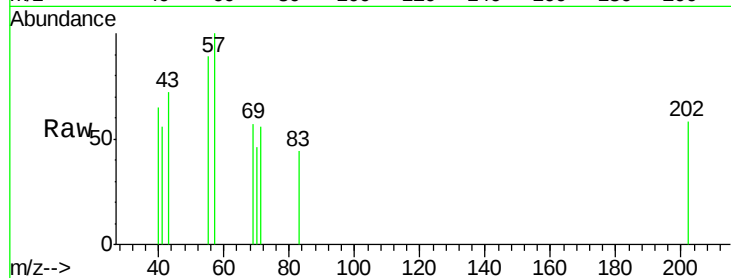




#74
 Fluoranthene
 Concen: 0.02 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

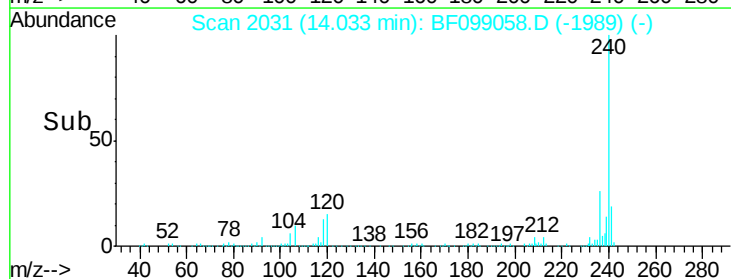
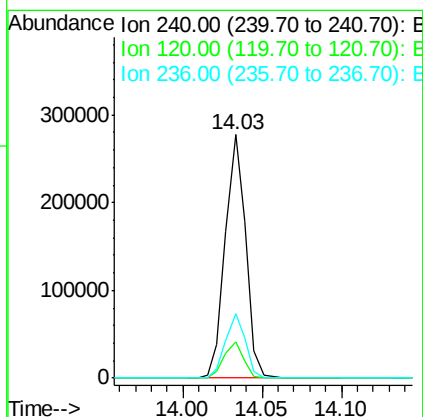
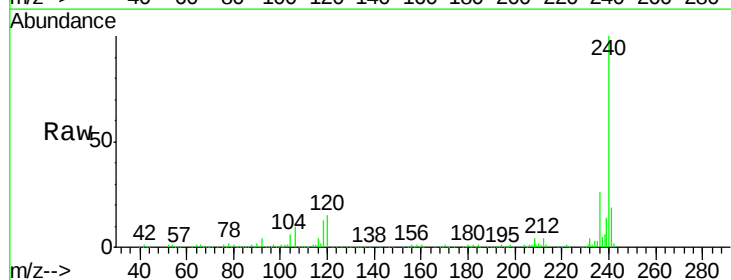
Instrument :
 BNA_F
 ClientSampled :

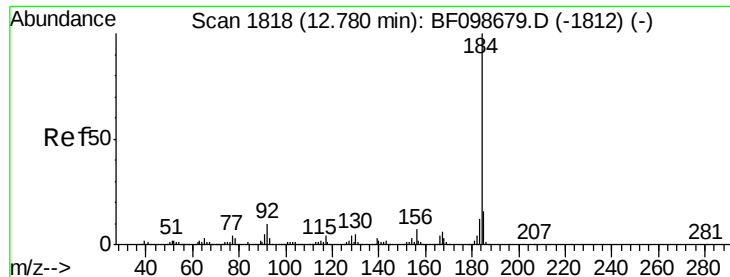
Tot Ion:202 Resp: 268
 Ion Ratio Lower Upper
 202 100
 101 0.0 0.0 34.1
 203 0.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion:240 Resp: 247849
 Ion Ratio Lower Upper
 240 100
 120 14.7 9.5 14.3#
 236 26.3 20.7 31.1





#76

Benzidine

Concen: 1.11 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.20 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

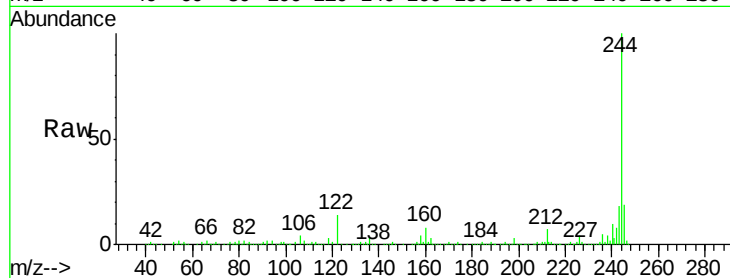
Tot Ion:184 Resp: 10221

Ion Ratio Lower Upper

184 100

185 19.4 12.6 18.8#

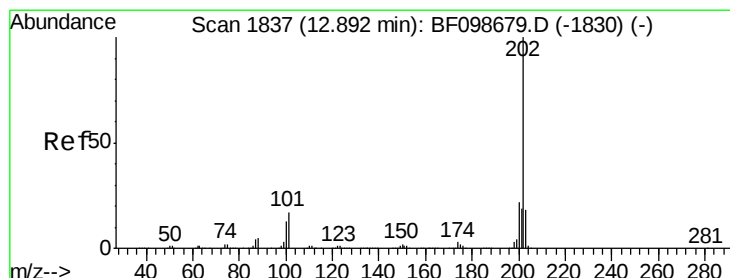
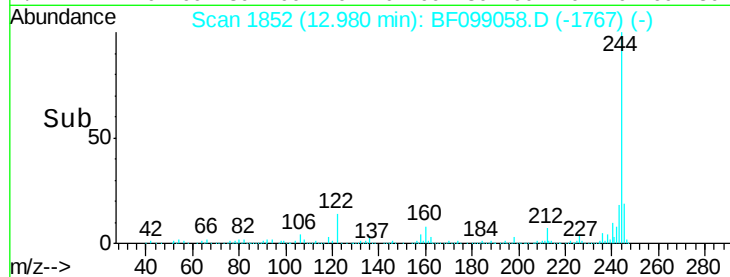
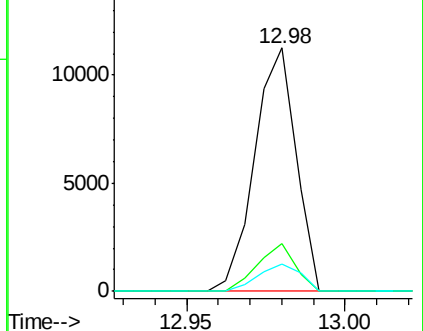
183 11.1 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.01 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.06 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

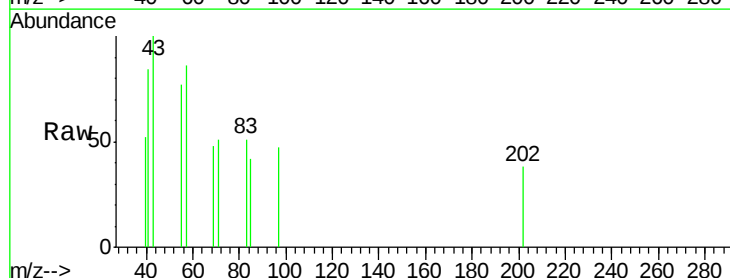
Tgt Ion:202 Resp: 248

Ion Ratio Lower Upper

202 100

200 0.0 17.4 26.2#

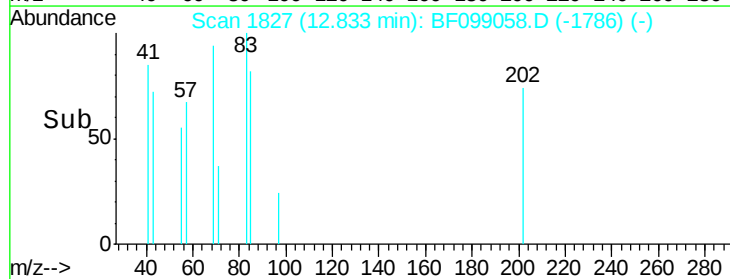
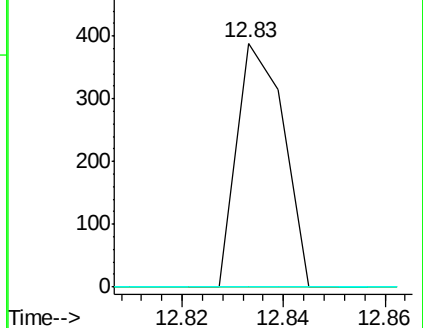
203 0.0 14.3 21.5#

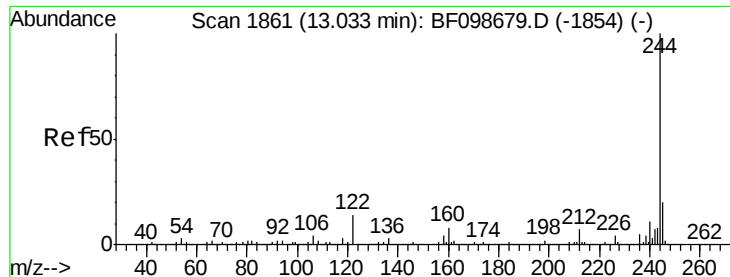


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.43 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

Instrument :

BNA_F

ClientSampleId :

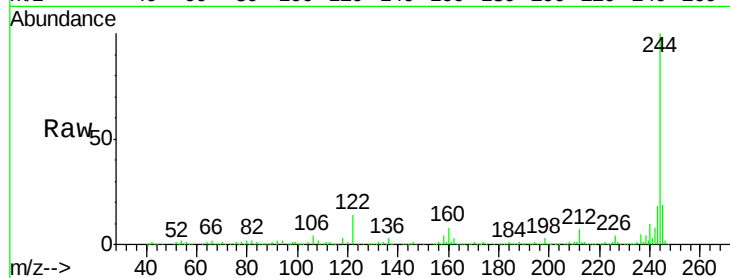
Tot Ion:244 Resp: 745727

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

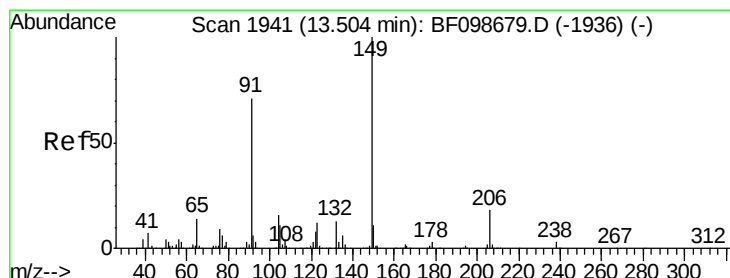
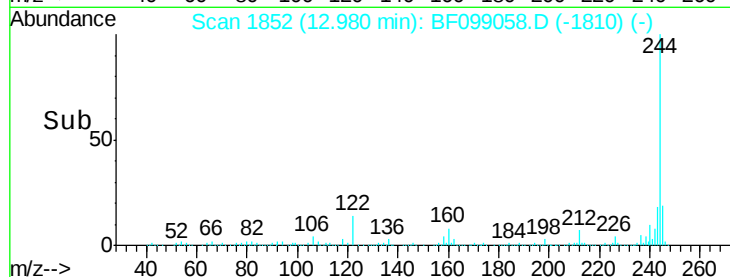
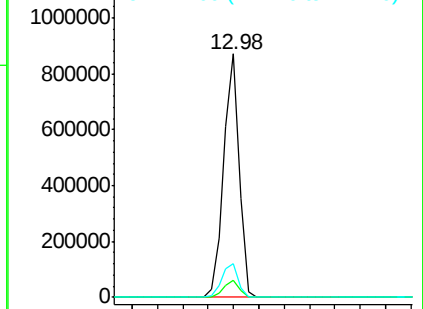
122 13.6 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.03 ng

RT: 13.42 min Scan# 1927

Delta R.T. -0.08 min

Lab File: BF099058.D

Acq: 4 Oct 2017 4:11

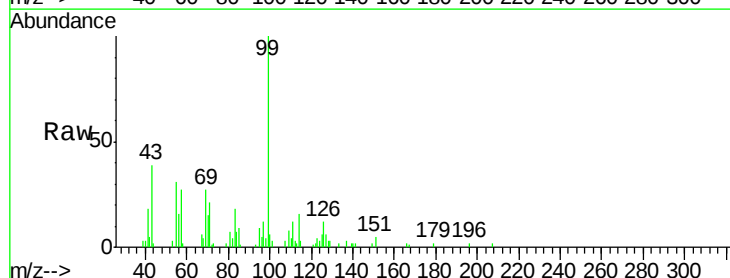
Tgt Ion:149 Resp: 258

Ion Ratio Lower Upper

149 100

91 0.0 56.8 85.2#

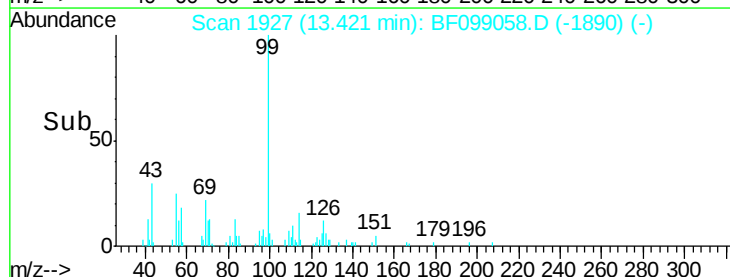
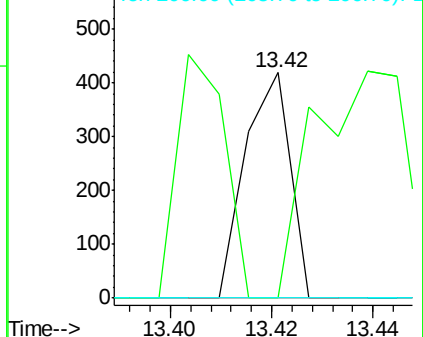
206 0.0 14.1 21.1#

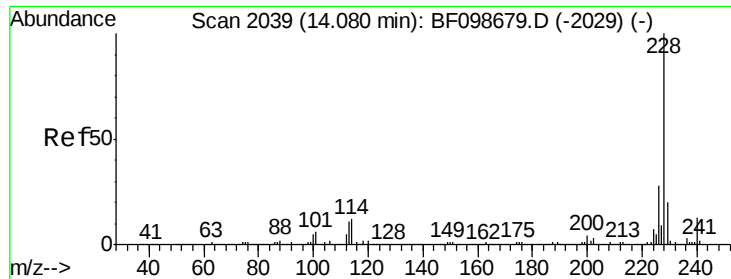


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

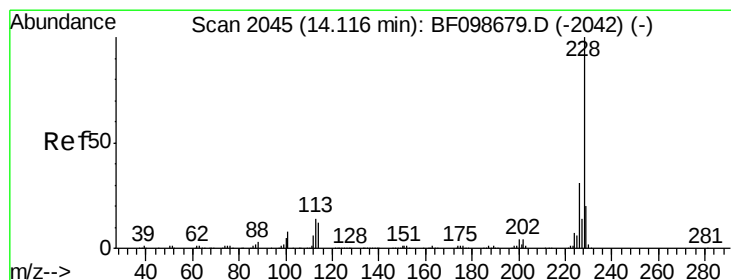
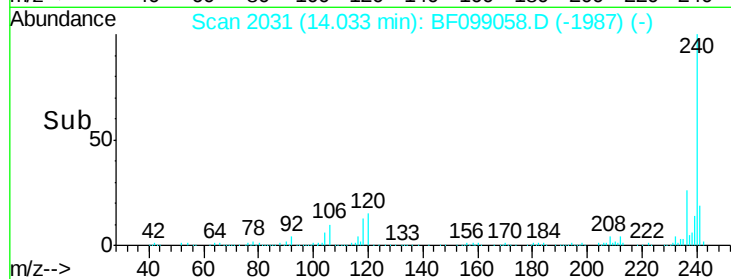
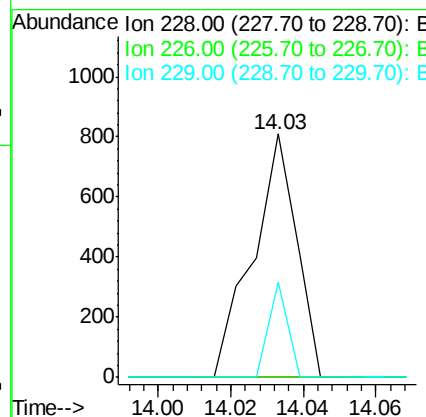
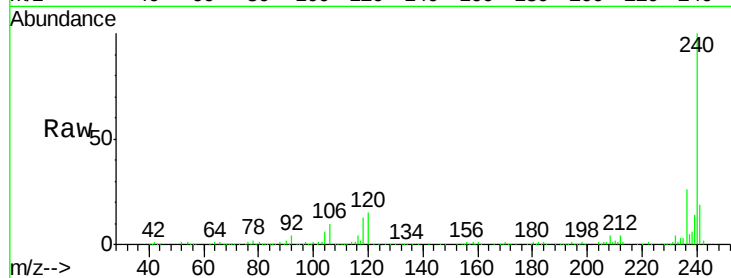




#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.04 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

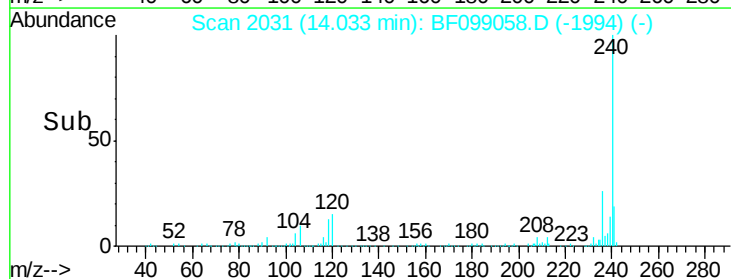
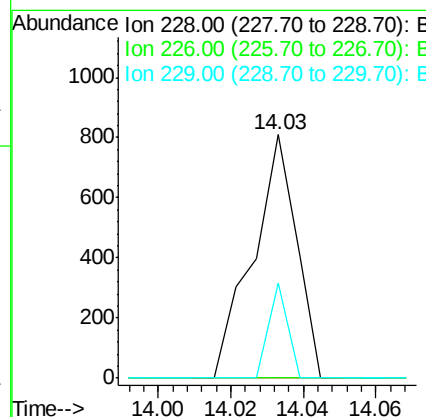
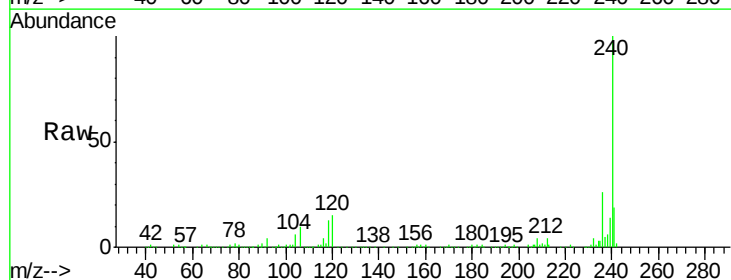
Instrument :
BNA_F
ClientSampled :

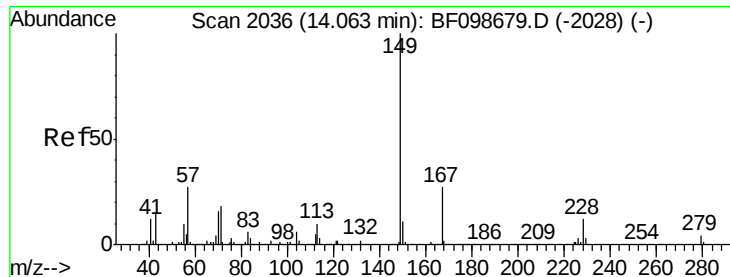
Tot Ion:228 Resp: 677
Ion Ratio Lower Upper
228 100
226 0.0 22.6 33.8#
229 39.1 15.8 23.6#



#82
Chrysene
Concen: 0.05 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.08 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion:228 Resp: 677
Ion Ratio Lower Upper
228 100
226 0.0 25.0 37.6#
229 39.1 16.2 24.4#

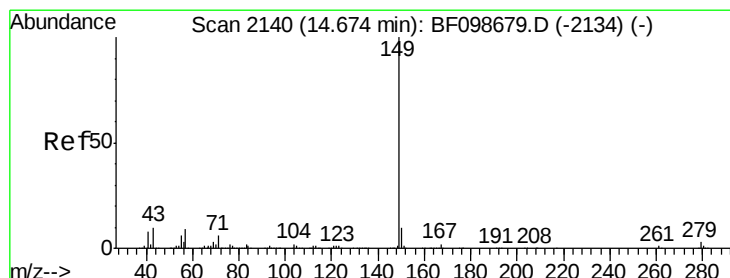
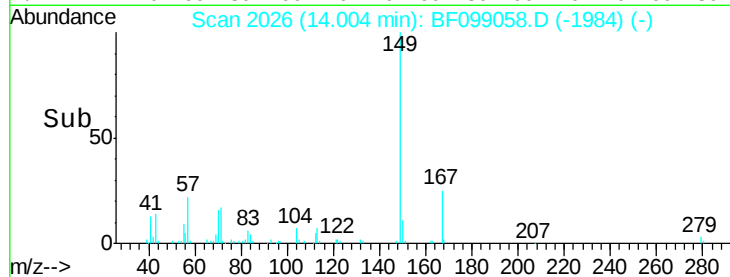
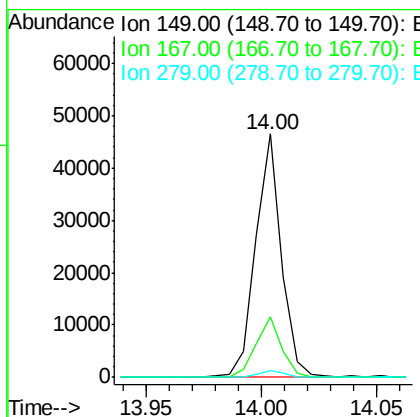
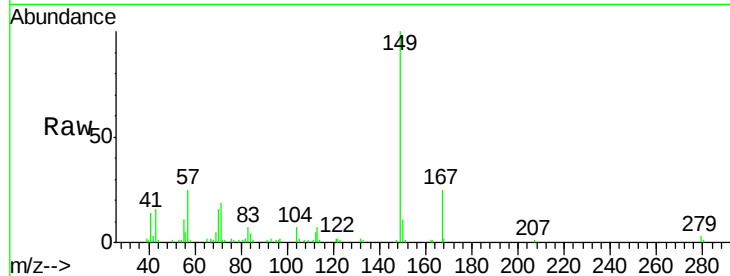




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.96 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.05 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

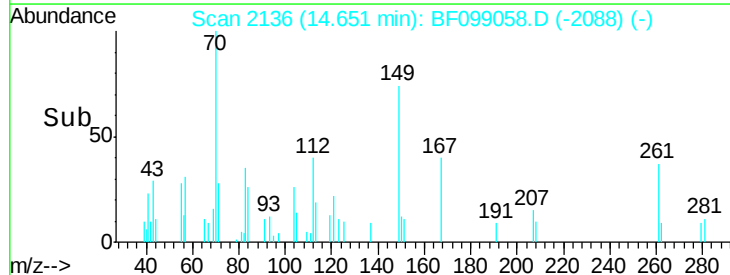
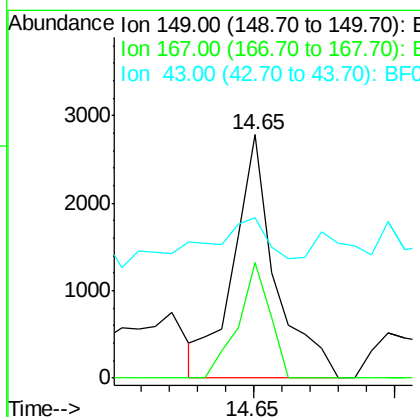
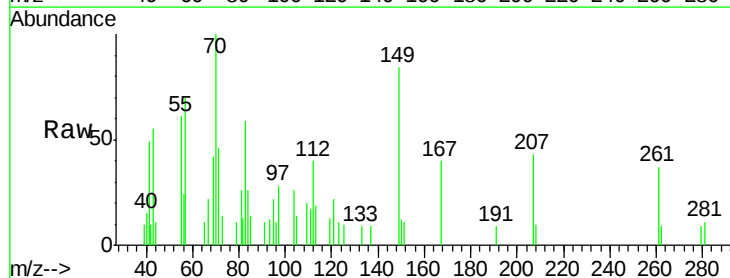
Instrument :
 BNA_F
 ClientSampleId :

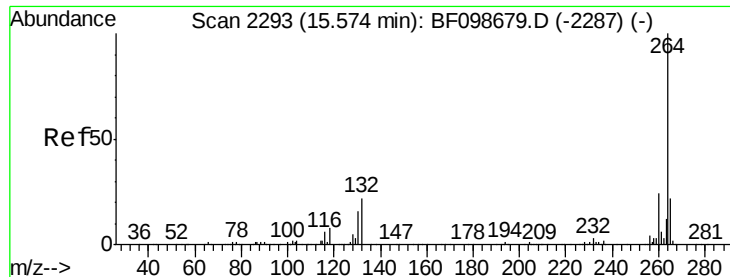
Tot Ion:149 Resp: 36253
 Ion Ratio Lower Upper
 149 100
 167 25.0 21.3 31.9
 279 2.6 3.0 4.4#



#84
 Di-n-octyl phthalate
 Concen: 0.15 ng
 RT: 14.65 min Scan# 2136
 Delta R.T. -0.02 min
 Lab File: BF099058.D
 Acq: 4 Oct 2017 4:11

Tgt Ion:149 Resp: 2865
 Ion Ratio Lower Upper
 149 100
 167 35.8 1.2 1.8#
 43 12.4 8.4 12.6

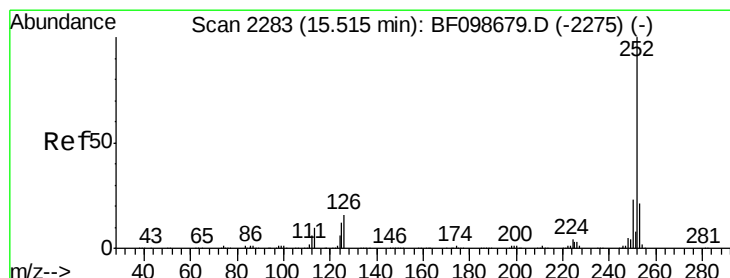
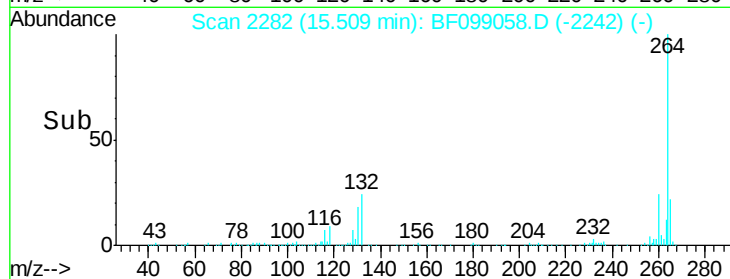
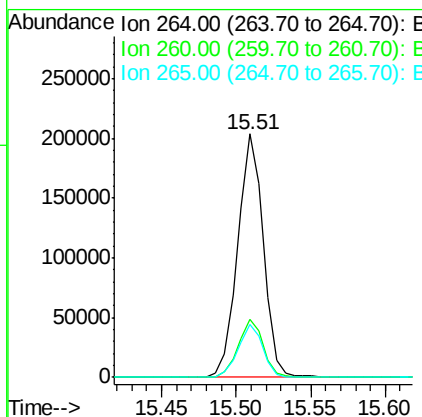
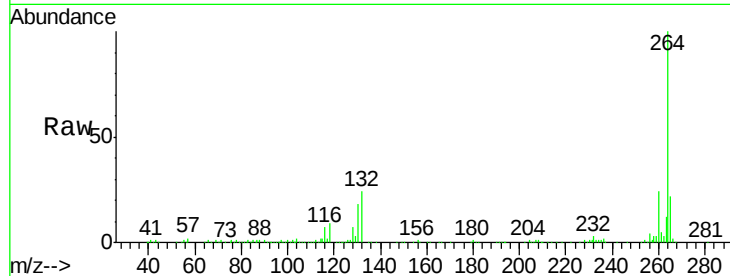




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 243229
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 17.5 26.3



#89
Benzo(a)pyrene
Concen: 0.01 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.08 min
Lab File: BF099058.D
Acq: 4 Oct 2017 4:11

Tgt Ion:252 Resp: 108
Ion Ratio Lower Upper
252 100
253 0.0 17.1 25.7#
125 118.0 9.8 14.6#

