

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095688.D
 Acq On : 5 Jun 2017 23:13
 Operator : SJ/MA
 Sample : I3405-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 01:21:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	88335	20.00	ng	0.00
21) Naphthalene-d8	9.42	136	429346	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	183753	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	310226	20.00	ng	0.00
75) Chrysene-d12	18.35	240	177284	20.00	ng	0.00
86) Perylene-d12	20.02	264	163293	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	540524	97.50	ng	0.00
7) Phenol-d6	6.95	99	685290	103.26	ng	0.00
23) Nitrobenzene-d5	8.31	82	371420	53.73	ng	-0.01
41) 2,4,6-Tribromophenol	13.54	330	122448	75.32	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	718692	54.43	ng	0.00
78) Terphenyl-d14	17.01	244	416446	58.30	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	1.60	88	61352	23.26	ng	# 21
4) n-Nitrosodimethylamine	2.00	42	107	0.05	ng	# 1
6) Aniline	7.05	93	736	0.08	ng	# 1
9) Benzaldehyde	6.95	77	806	0.18	ng	# 1
10) Phenol	6.97	94	34784	5.05	ng	88
11) bis(2-Chloroethyl)ether	7.05	93	736	0.13	ng	# 1
15) Benzyl Alcohol	7.63	79	5487	1.20	ng	# 34
19) n-Nitroso-di-n-propylamine	8.31	70	46151	10.97	ng	# 77
22) Acetophenone	8.06	105	115	0.01	ng	# 46
24) Nitrobenzene	8.31	77	701	0.09	ng	# 39
25) Isophorone	8.65	82	494	0.04	ng	# 67
28) bis(2-Chloroethoxy)methane	9.03	93	745	0.09	ng	# 1
31) Naphthalene	9.46	128	18970	0.88	ng	99
33) 4-Chloroaniline	9.46	127	2086	0.25	ng	# 30
37) 2-Methylnaphthalene	10.60	142	12238	0.84	ng	97
45) 1,1'-Biphenyl	11.37	154	3250	0.21	ng	84
48) Acenaphthylene	12.03	152	9394	0.46	ng	93
49) Dimethylphthalate	11.90	163	71499	5.12	ng	97
50) 2,6-Dinitrotoluene	11.90	165	702	0.23	ng	# 18
51) Acenaphthene	12.30	154	6490	0.56	ng	93
54) Dibenzofuran	12.60	168	12158	0.74	ng	95
55) 4-Nitrophenol	12.60	139	4205	6.54	ng	# 25
57) Fluorene	13.15	166	6021	0.42	ng	# 89
59) Diethylphthalate	13.04	149	7035	0.52	ng	# 91
62) Azobenzene	13.42	77	367	0.03	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.54	198	261	0.13	ng	# 1
65) n-Nitrosodiphenylamine	13.37	169	1330	0.12	ng	# 70
70) Phenanthrene	14.68	178	173589	9.70	ng	98
71) Anthracene	14.77	178	37457	2.00	ng	98
72) Carbazole	15.08	167	15295	0.84	ng	96
73) Di-n-butylphthalate	15.65	149	6384	0.33	ng	# 83
74) Fluoranthene	16.45	202	238056	13.44	ng	97
77) Pvrene	16.75	202	195344	14.77	ng	96
79) Butylbenzylphthalate	17.68	149	966	0.17	ng	# 78

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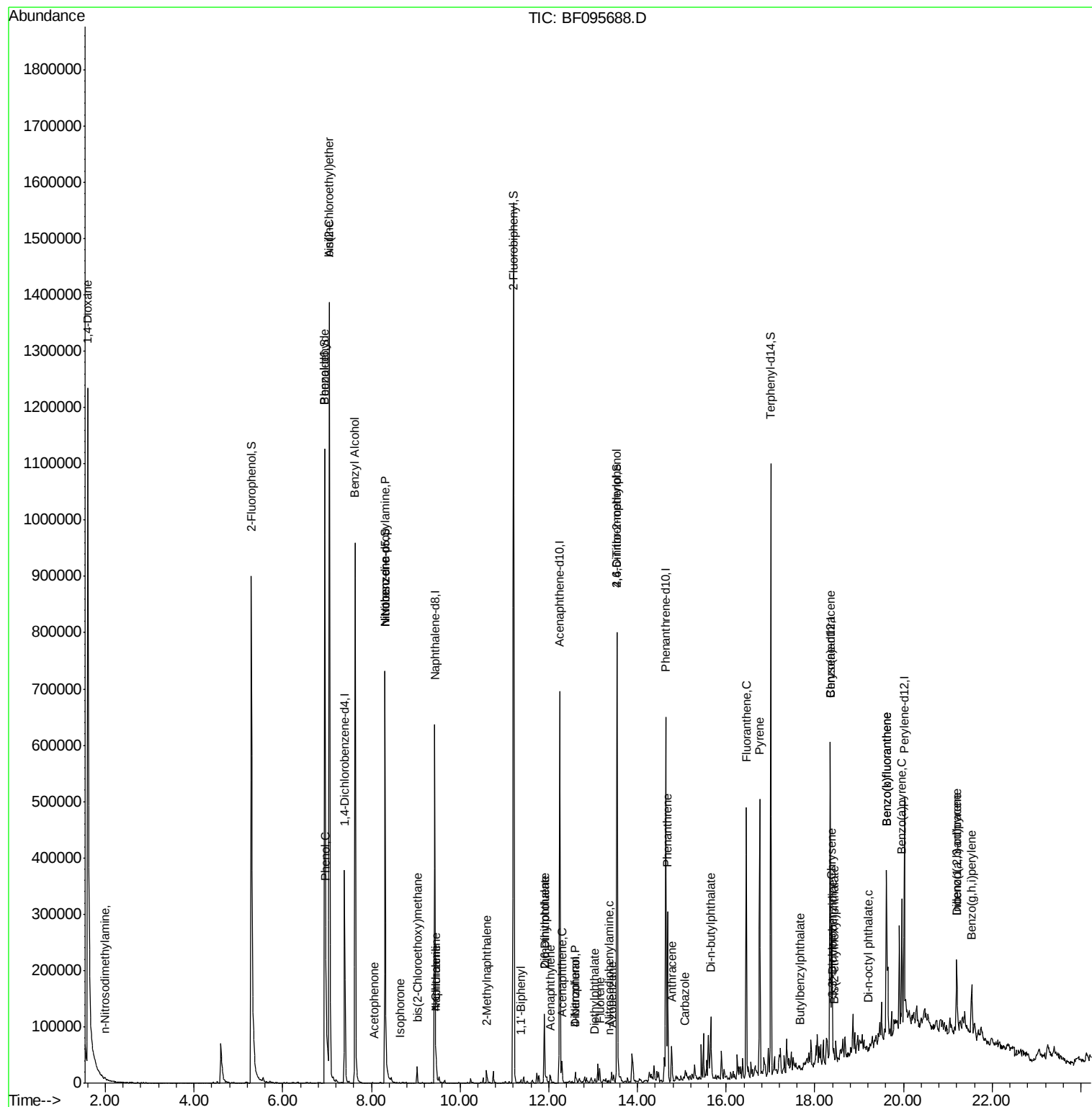
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	18.34	228	114492	11.11	ng	99
81) 3,3'-Dichlorobenzidine	18.41	252	791	0.22	ng	# 21
82) Chrysene	18.38	228	112231	10.90	ng	98
83) Bis(2-ethylhexyl)phthalate	18.43	149	1810	0.22	ng	# 98
84) Di-n-octyl phthalate	19.21	149	150	0.01	ng	# 1
85) Indeno(1,2,3-cd)pyrene	21.20	276	63891	7.25	ng	97
87) Benzo(b)fluoranthene	19.62	252	199232	19.49	ng	97
88) Benzo(k)fluoranthene	19.62	252	199169	20.38	ng	97
89) Benzo(a)pyrene	19.97	252	97787	10.41	ng	98
90) Dibenzo(a,h)anthracene	21.20	278	17907	2.25	ng	# 76
91) Benzo(a,h,i)perylene	21.54	276	60327	7.42	ng	98

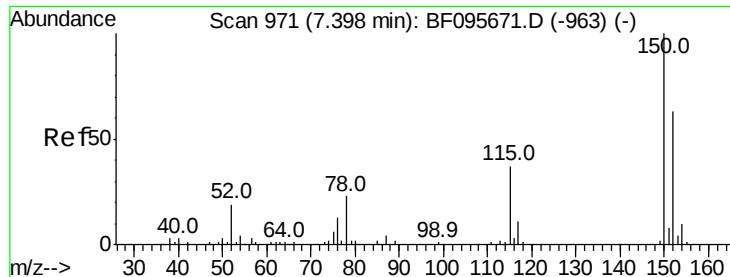
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.40 min Scan# 996

Delta R.T. -0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

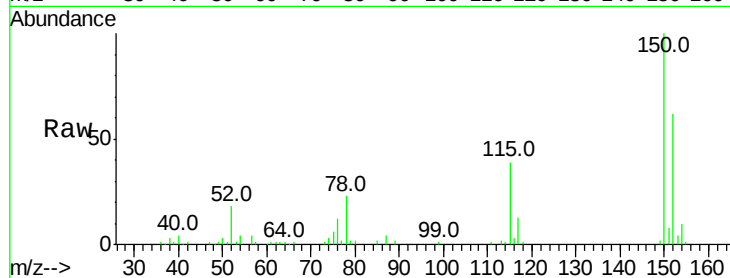
Tot Ion:152 Resp: 88335

Ion Ratio Lower Upper

152 100

150 161.0 126.2 189.2

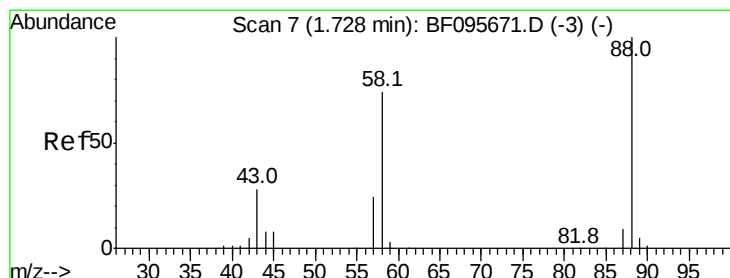
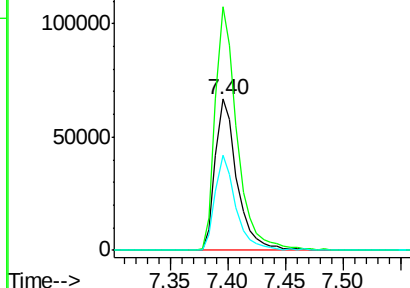
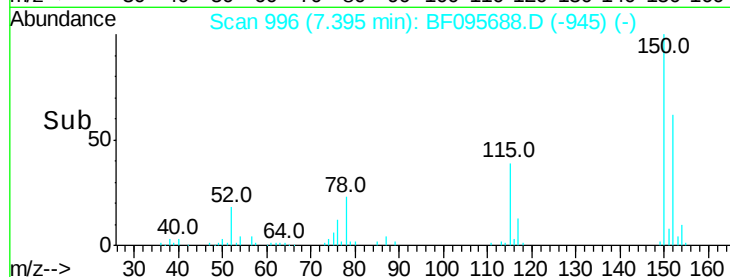
115 62.5 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 23.26 ng

RT: 1.60 min Scan# 11

Delta R.T. -0.13 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

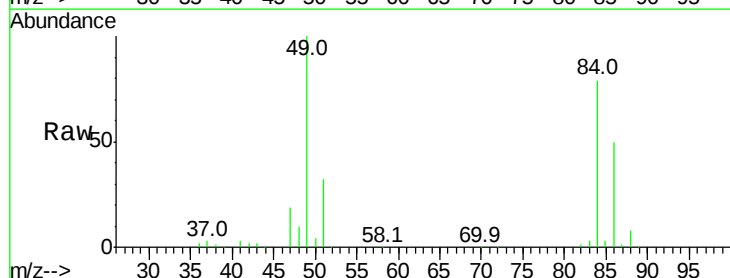
Tgt Ion: 88 Resp: 61352

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

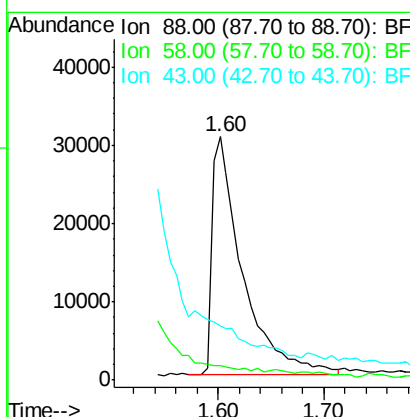
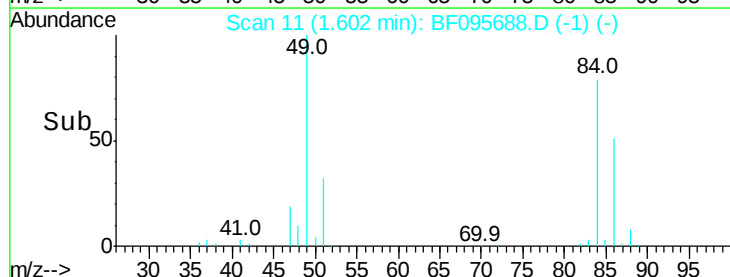
43 0.0 23.4 35.0#

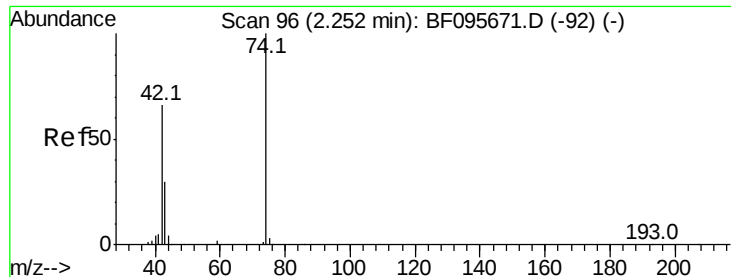


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0



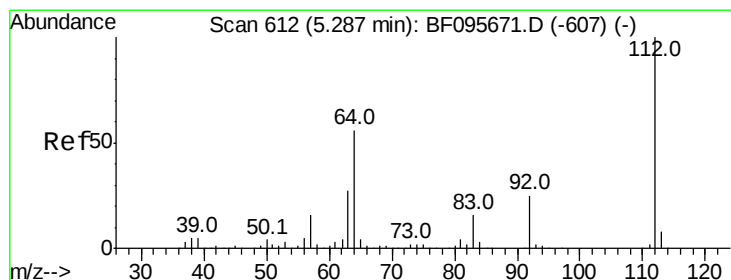
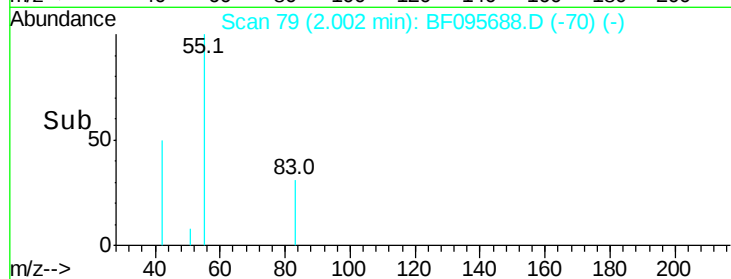
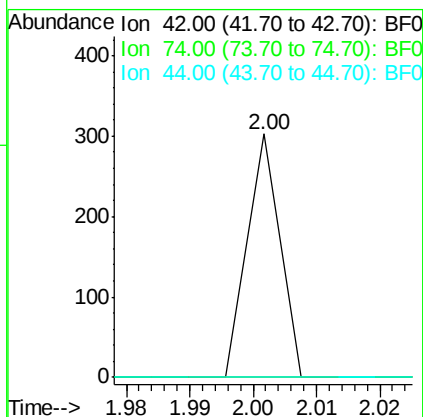
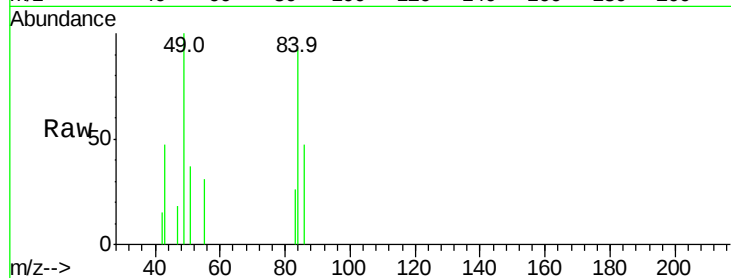


#4

n-Nitrosodimethylamine
 Concen: 0.05 ng
 RT: 2.00 min Scan# 79
 Delta R.T. -0.25 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Instrument :
 BNA_F
 ClientSampleId :

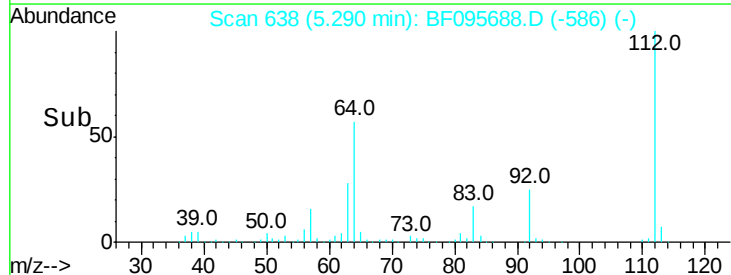
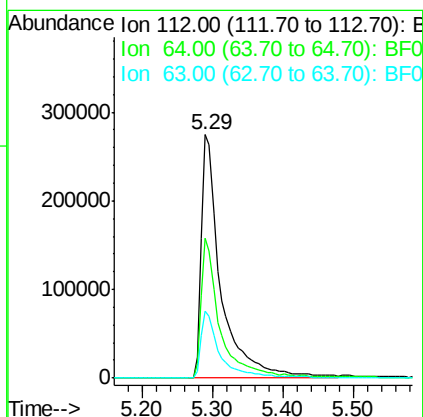
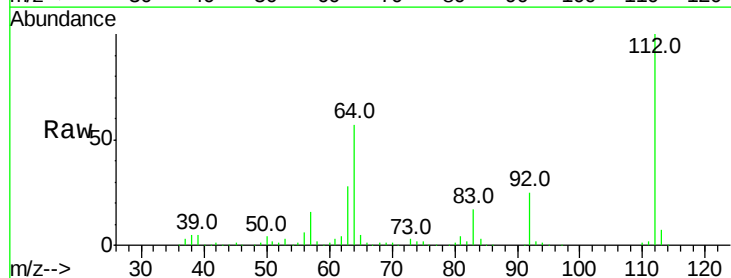
Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	103.9	155.9#
44	0.0	5.7	8.5#

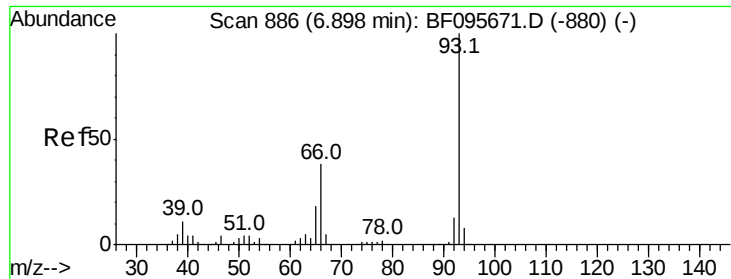


#5

2-Fluorophenol
 Concen: 97.50 ng
 RT: 5.29 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.0	69.0
63	27.7	23.4	35.0





#6

Aniline

Concen: 0.08 ng

RT: 7.05 min Scan# 937

Delta R.T. 0.15 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampled :

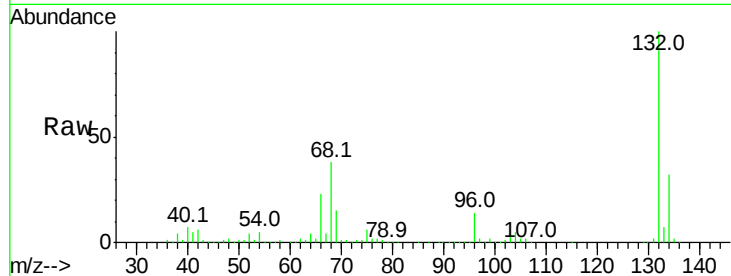
Tot Ion: 93 Resp: 736

Ion Ratio Lower Upper

93 100

66 12499.9 32.9 49.3#

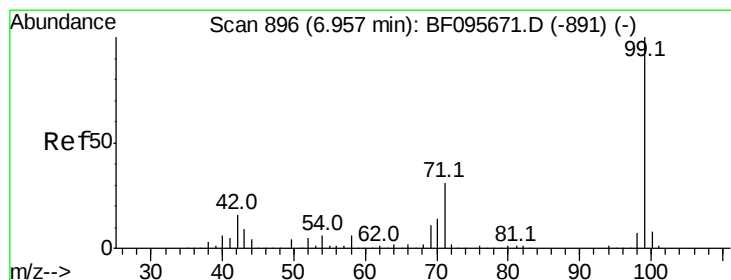
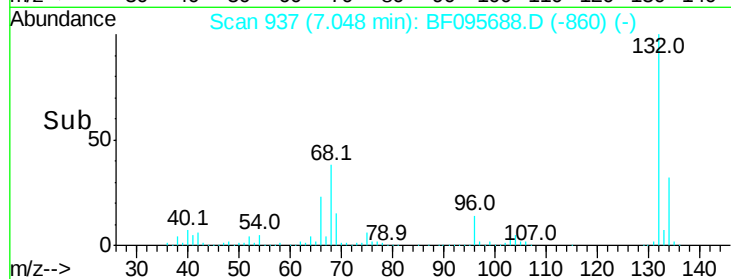
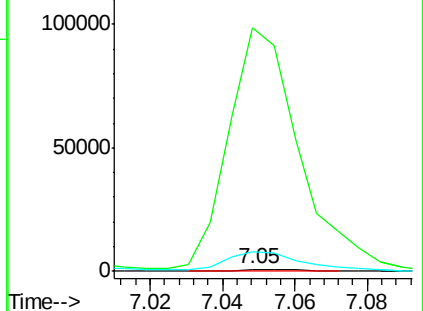
65 1032.2 16.0 24.0#



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: 103.26 ng

RT: 6.95 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

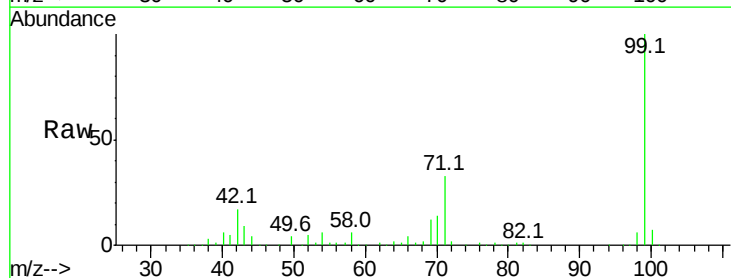
Tgt Ion: 99 Resp: 685290

Ion Ratio Lower Upper

99 100

42 16.7 13.5 20.3

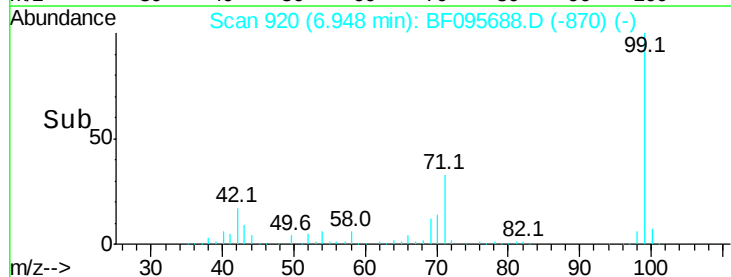
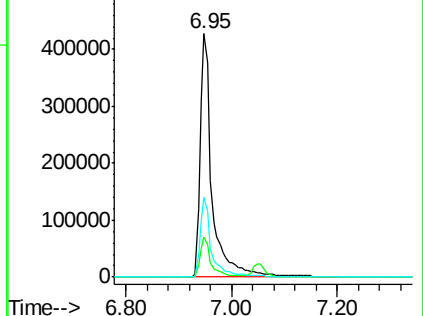
71 32.6 24.5 36.7

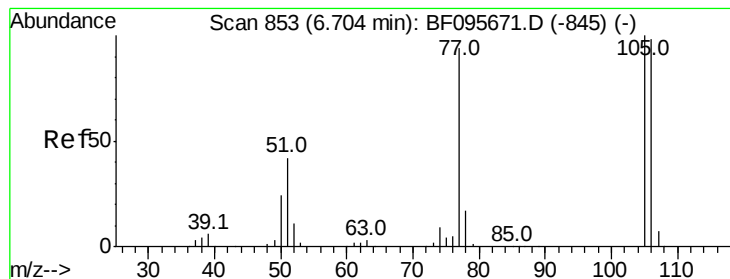


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 0.18 ng

RT: 6.95 min Scan# 920

Delta R.T. 0.24 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampled :

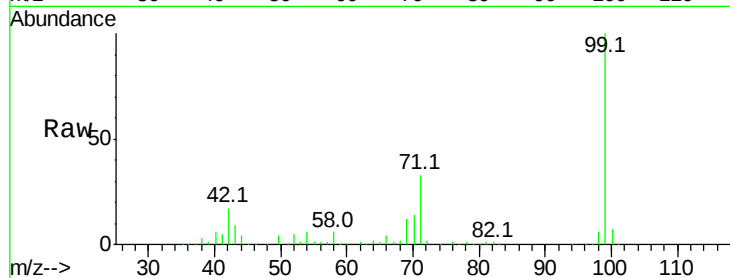
Tot Ion: 77 Resp: 806

Ion Ratio Lower Upper

77 100

105 0.0 83.8 123.8#

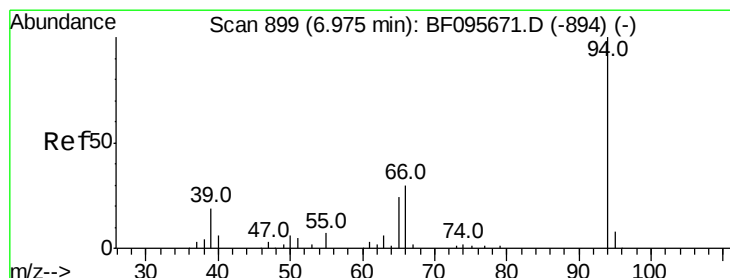
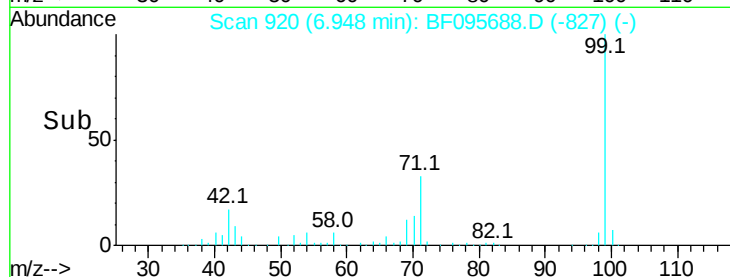
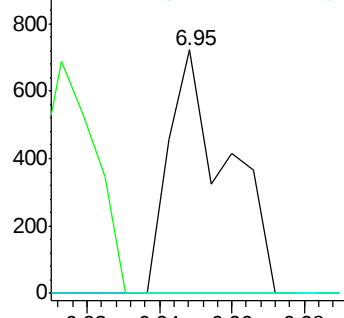
106 0.0 79.1 119.1#



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: 5.05 ng

RT: 6.97 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

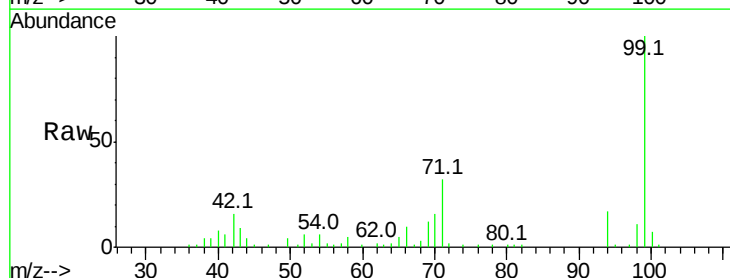
Tgt Ion: 94 Resp: 34784

Ion Ratio Lower Upper

94 100

65 30.4 9.9 49.9

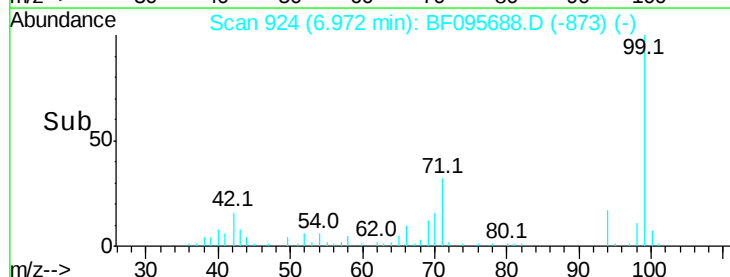
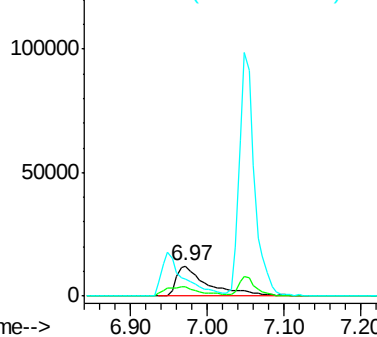
66 55.8 23.1 63.1

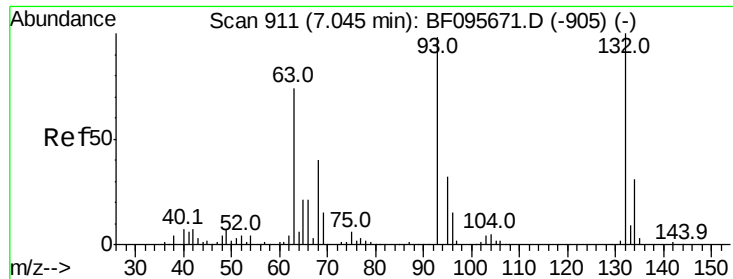


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

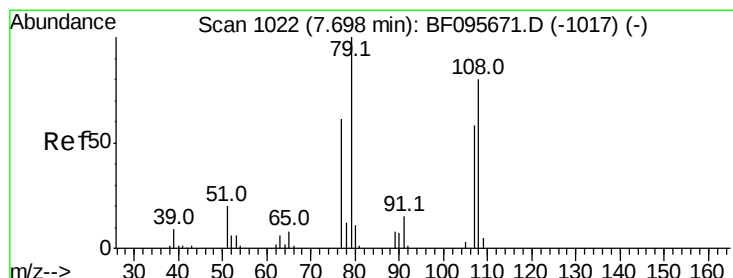
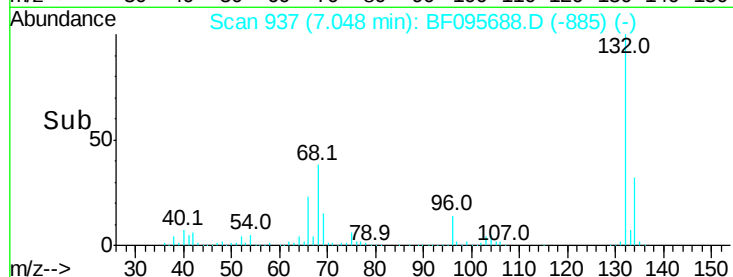
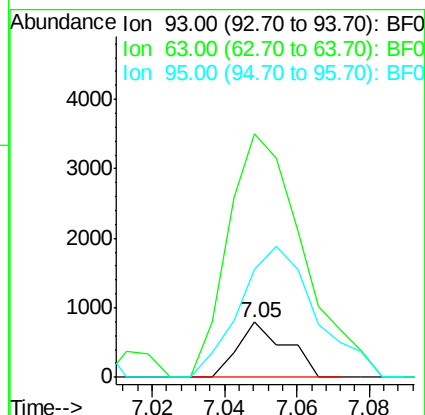
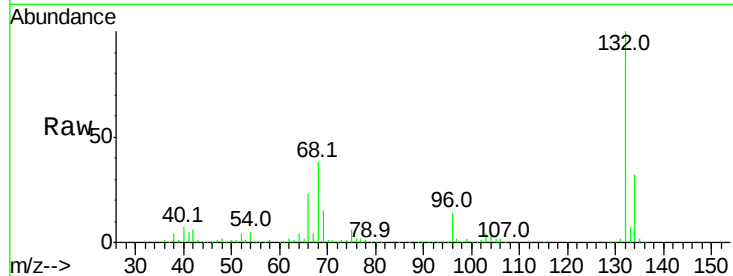




#11
 bis(2-Chloroethyl)ether
 Concen: 0.13 ng
 RT: 7.05 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

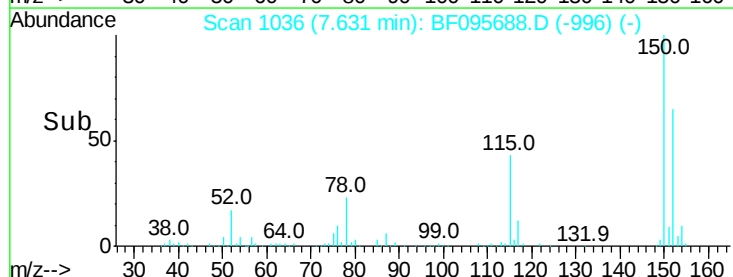
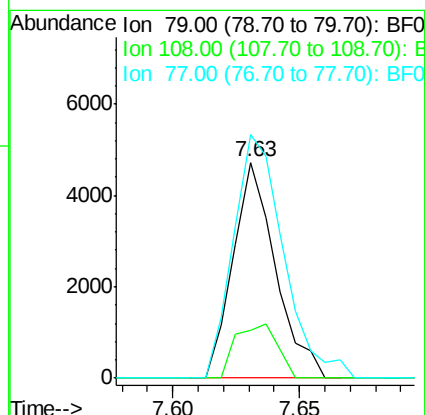
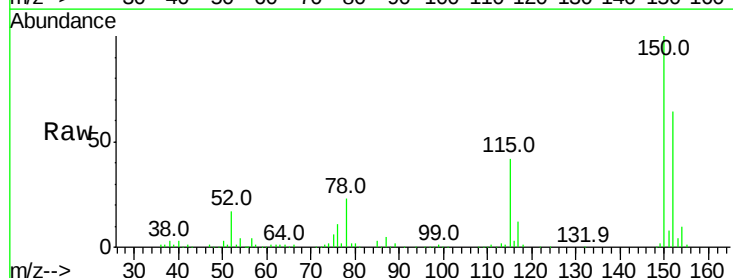
Instrument :
 BNA_F
 ClientSampleId :

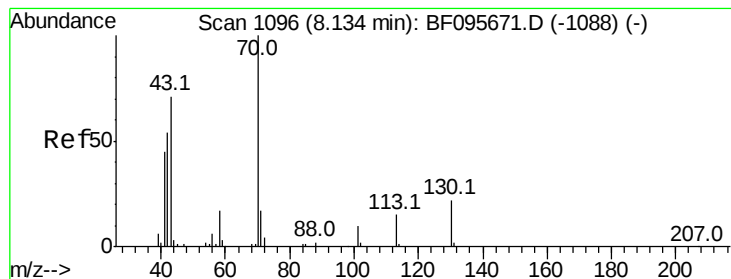
Tot Ion: 93 Resp: 736
 Ion Ratio Lower Upper
 93 100
 63 444.0 59.2 99.2#
 95 196.2 12.8 52.8#



#15
 Benzyl Alcohol
 Concen: 1.20 ng
 RT: 7.63 min Scan# 1036
 Delta R.T. -0.07 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Tgt Ion: 79 Resp: 5487
 Ion Ratio Lower Upper
 79 100
 108 22.2 63.4 95.0#
 77 113.0 49.2 73.8#





#19

n-Nitroso-di-n-propylamine

Concen: 10.97 ng

RT: 8.31 min Scan# 1151

Delta R.T. 0.17 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 46151

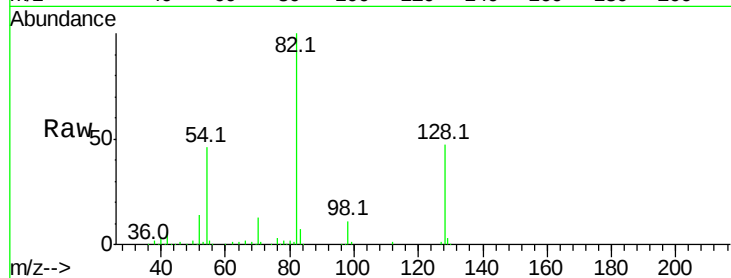
Ion Ratio Lower Upper

70 100

42 46.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.6 15.9 23.9#

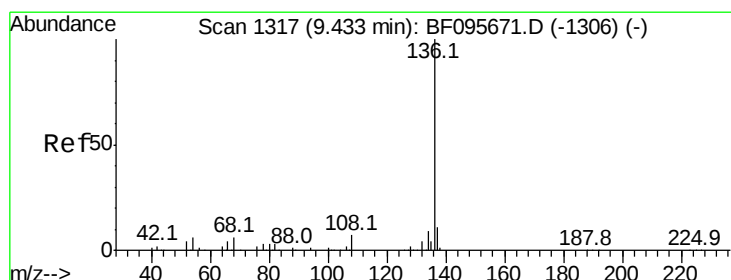
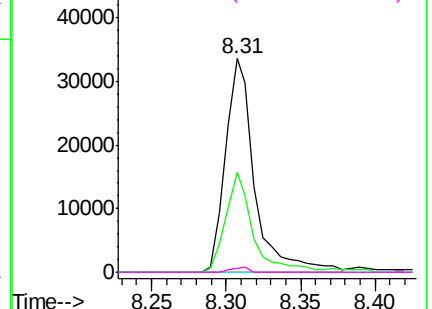
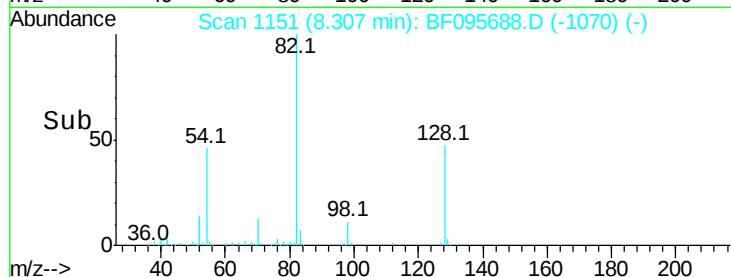


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.42 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Tgt Ion:136 Resp: 429346

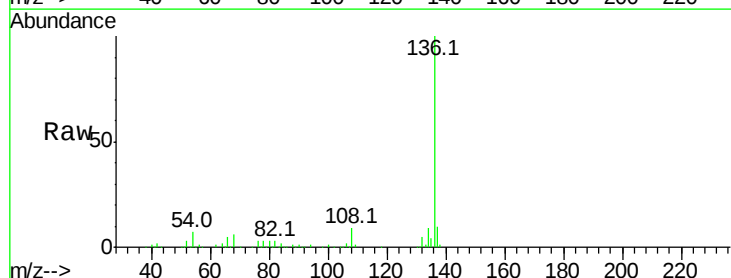
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.4 4.9 7.3#

68 6.4 4.1 6.1#

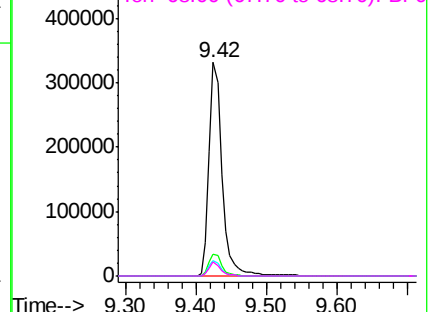
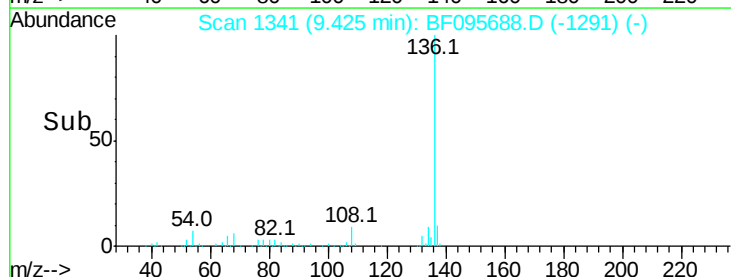


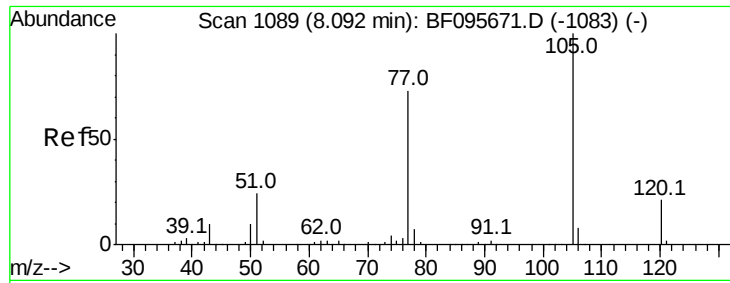
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.06 min Scan# 1109

Delta R.T. -0.03 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 115

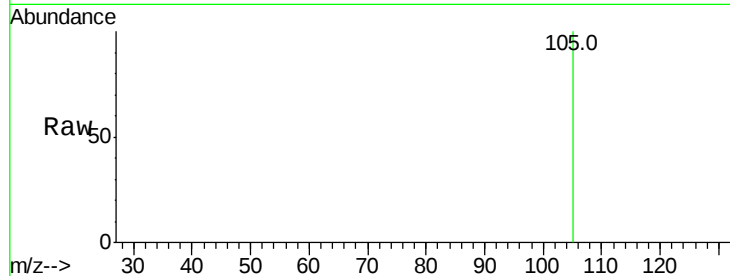
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 0.0 30.7 46.1#

120 0.0 17.4 26.0#



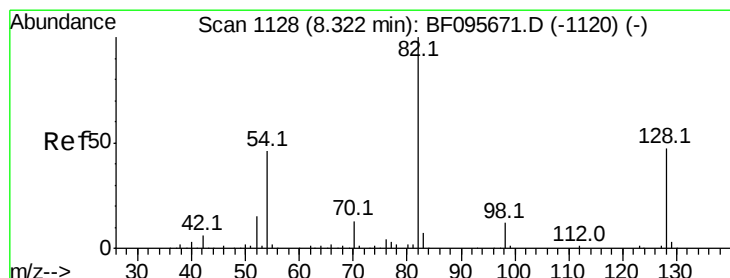
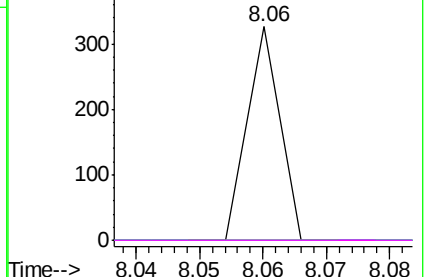
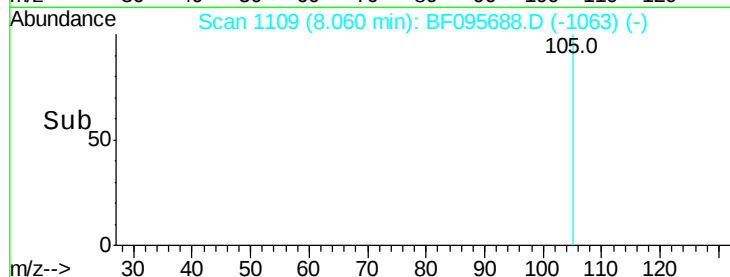
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time--> 8.04 8.05 8.06 8.07 8.08



#23

Nitrobenzene-d5

Concen: 53.73 ng

RT: 8.31 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

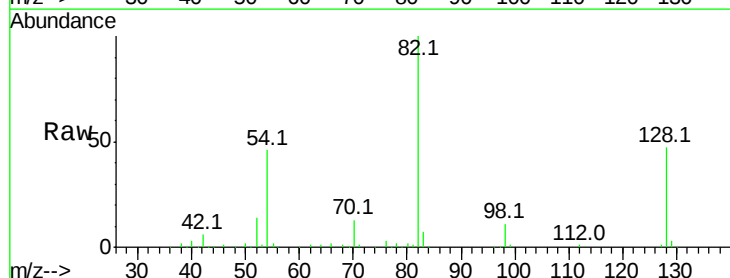
Tgt Ion: 82 Resp: 371420

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

54 46.2 42.2 63.2

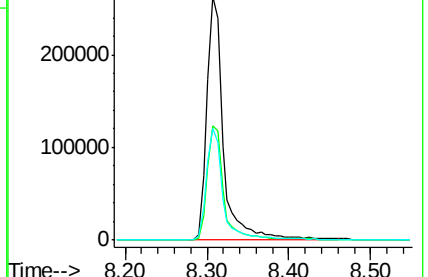
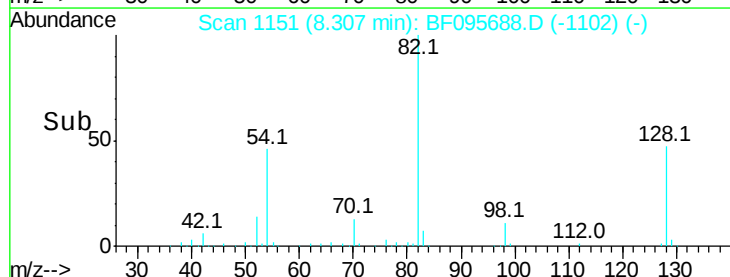


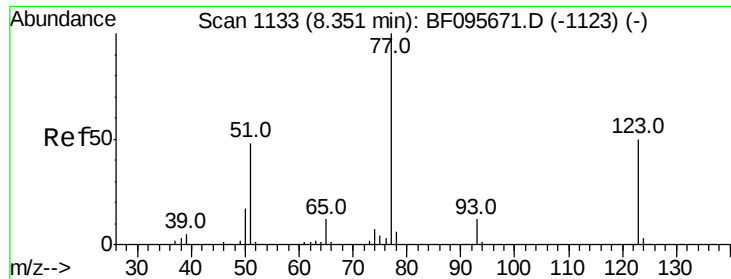
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time--> 8.20 8.30 8.40 8.50

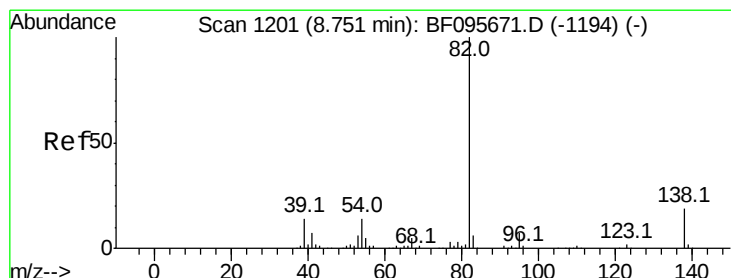
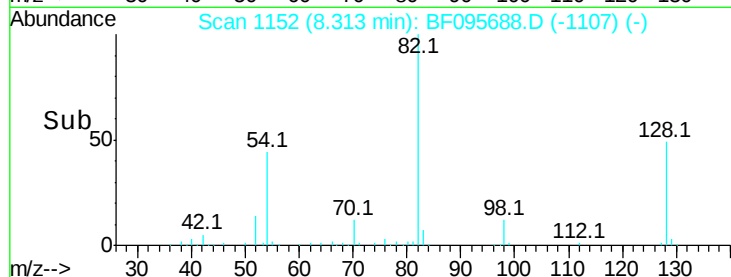
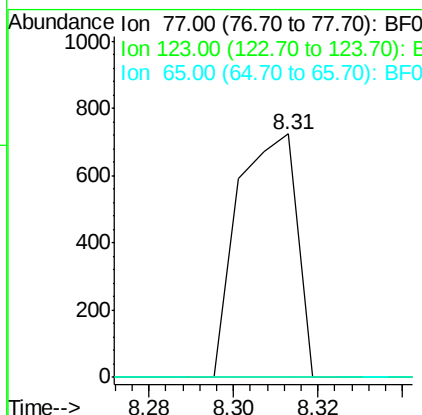
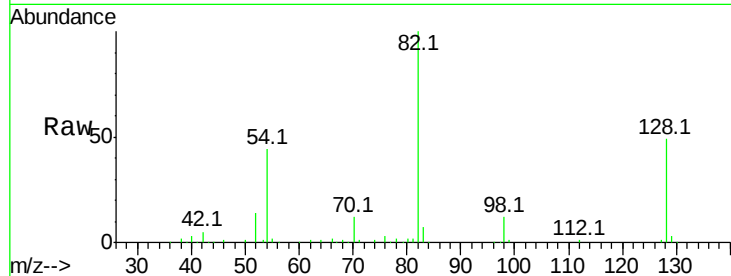




#24
 Nitrobenzene
 Concen: 0.09 ng
 RT: 8.31 min Scan# 1152
 Delta R.T. -0.04 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

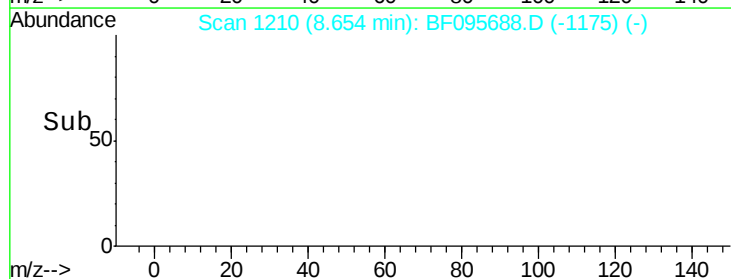
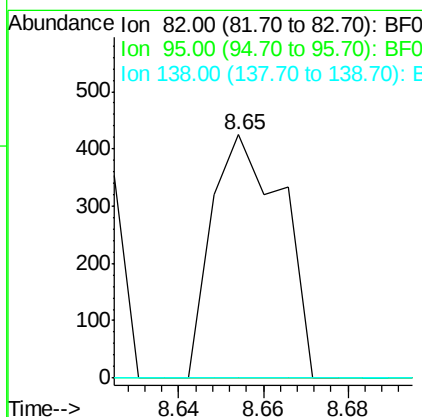
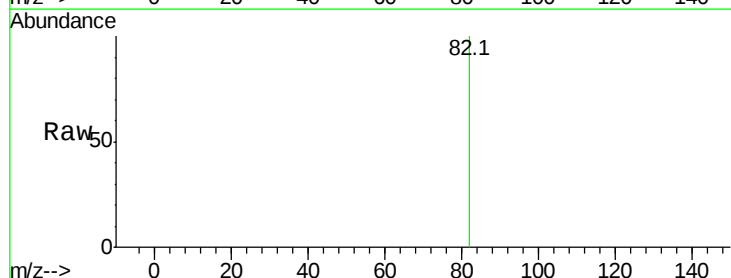
Instrument :
 BNA_F
 ClientSampleID :

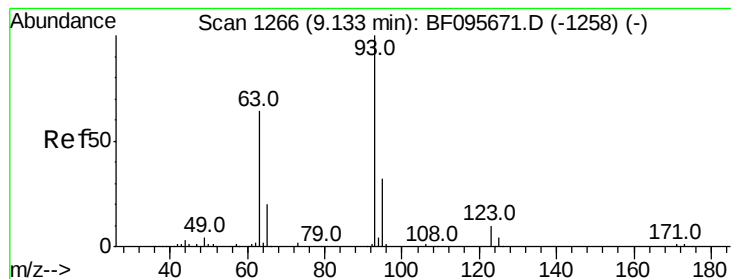
Tot Ion: 77 Resp: 701
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 0.0 10.6 15.8#



#25
 Isophorone
 Concen: 0.04 ng
 RT: 8.65 min Scan# 1210
 Delta R.T. -0.10 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Tgt Ion: 82 Resp: 494
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#28

bis(2-Chloroethoxy)methane

Concen: 0.09 ng

RT: 9.03 min Scan# 1274

Delta R.T. -0.10 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampled :

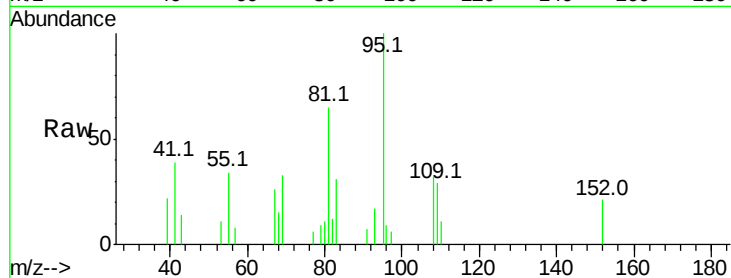
Tot Ion: 93 Resp: 745

Ion Ratio Lower Upper

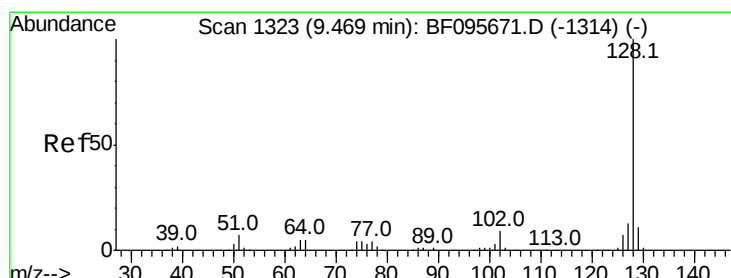
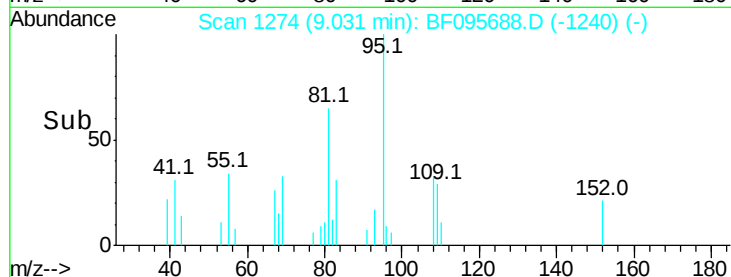
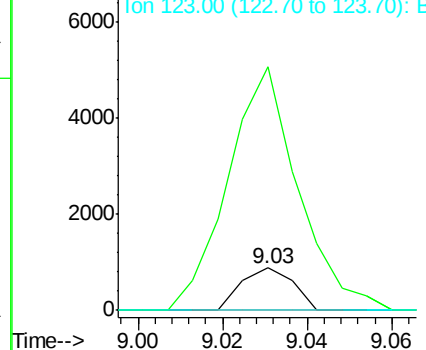
93 100

95 573.6 26.5 39.7#

123 0.0 9.0 13.4#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E



#31

Naphthalene

Concen: 0.88 ng

RT: 9.46 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

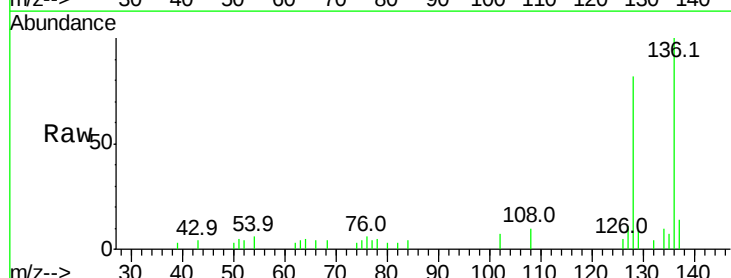
Tgt Ion:128 Resp: 18970

Ion Ratio Lower Upper

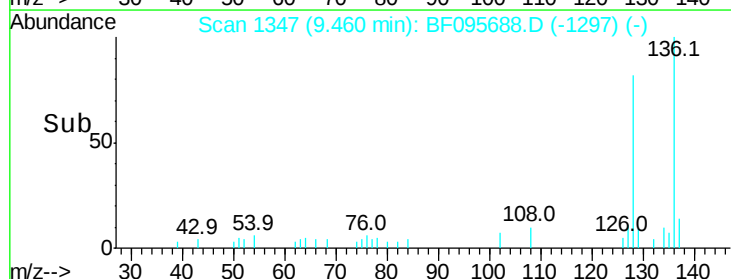
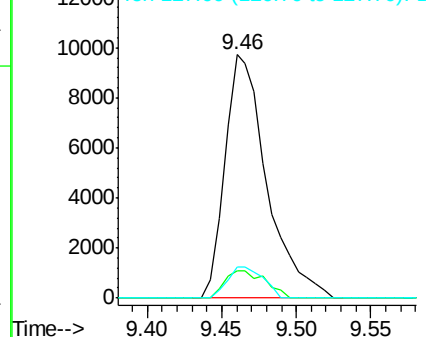
128 100

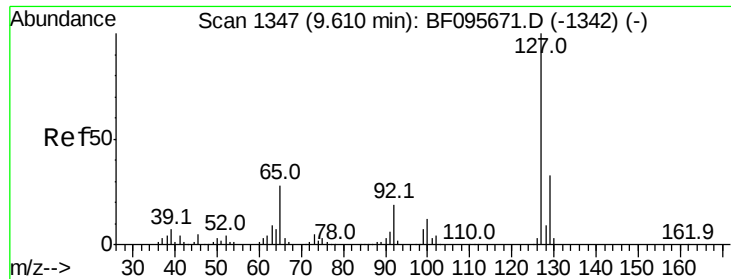
129 11.3 9.0 13.6

127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

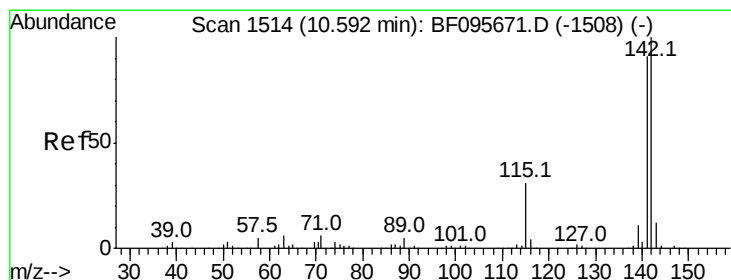
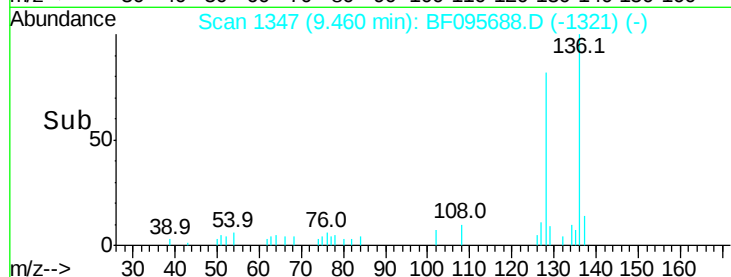
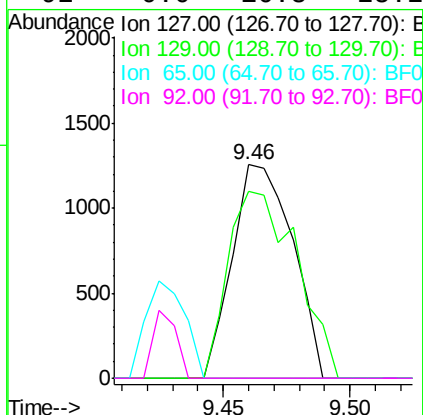
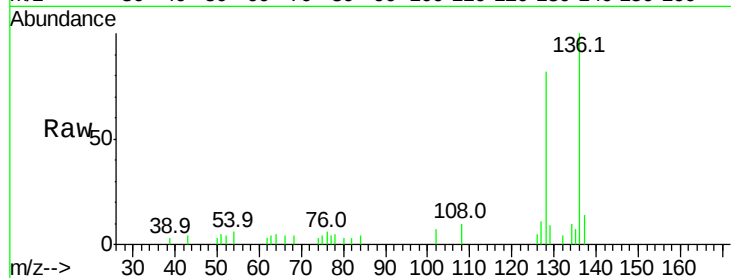




#33
 4-Chloroaniline
 Concen: 0.25 ng
 RT: 9.46 min Scan# 1347
 Delta R.T. -0.15 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

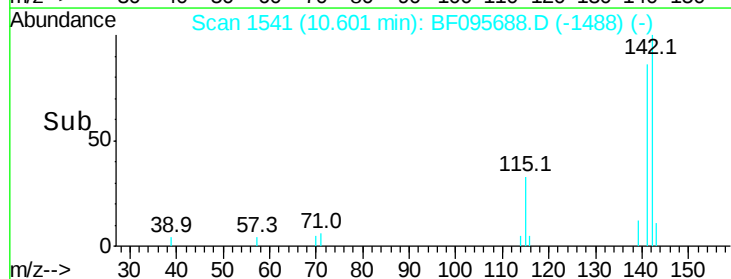
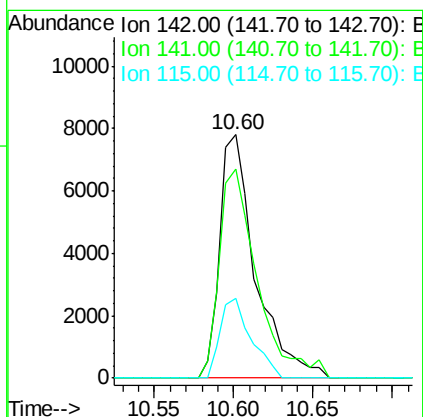
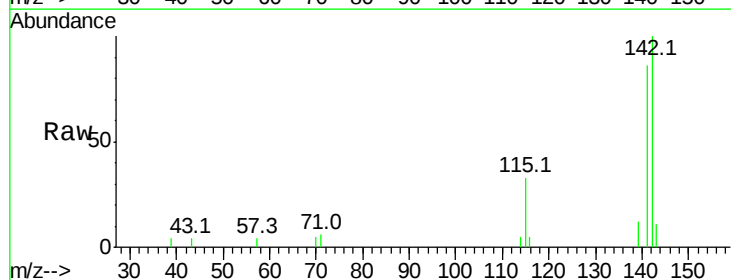
Instrument :
 BNA_F
 ClientSampleId :

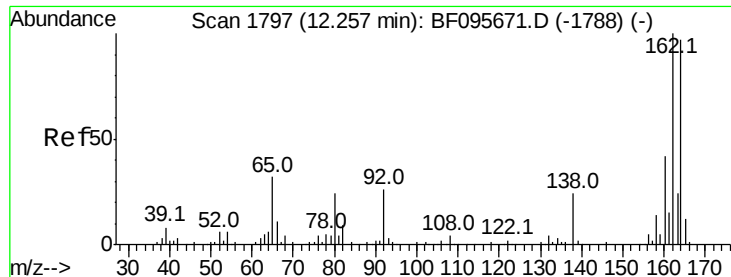
Tot Ion:	127	Resp:	2086
Ion	Ratio	Lower	Upper
127	100		
129	87.6	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 0.84 ng
 RT: 10.60 min Scan# 1541
 Delta R.T. 0.01 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Tgt Ion:	142	Resp:	12238
Ion	Ratio	Lower	Upper
142	100		
141	85.7	71.3	106.9
115	32.8	27.1	40.7

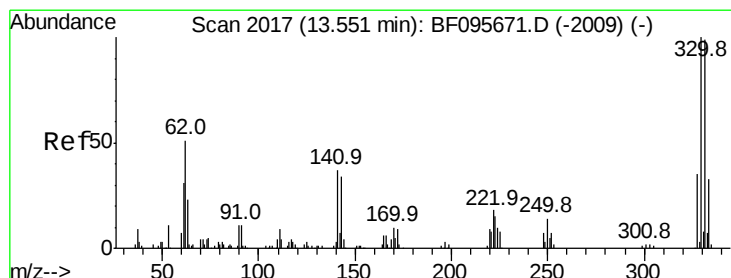
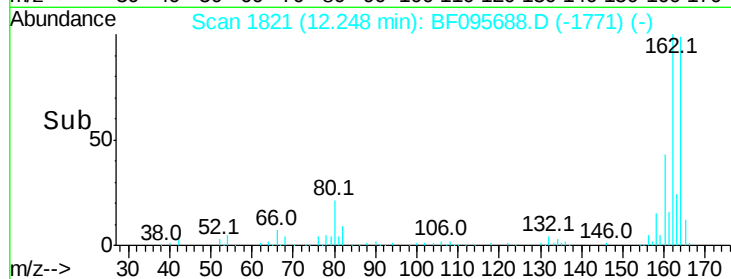
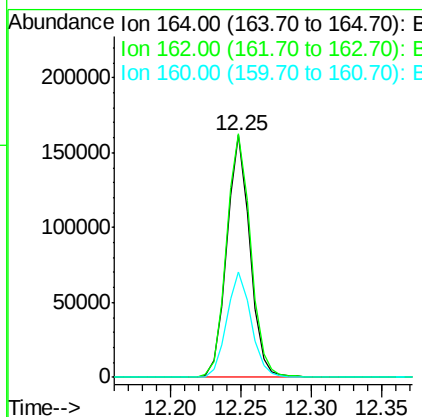
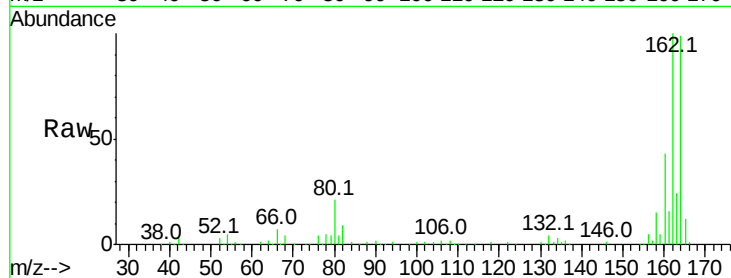




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

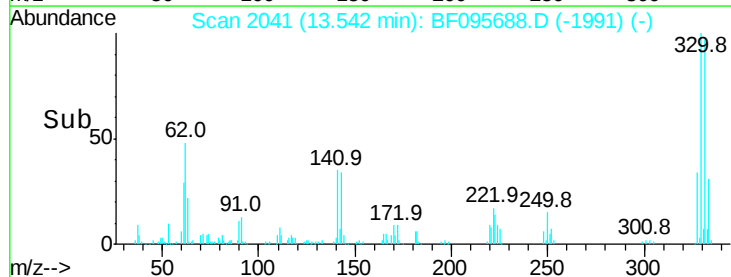
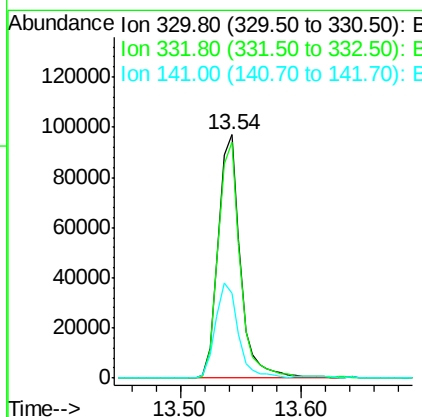
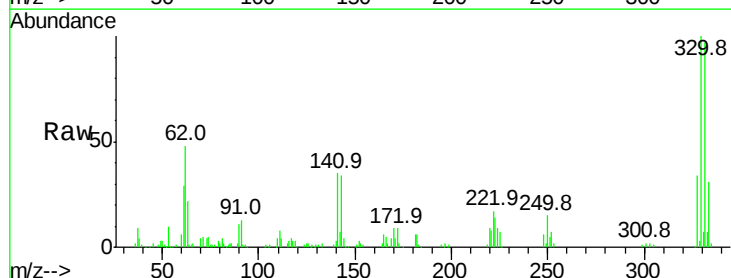
Instrument :
BNA_F
ClientSampleId :

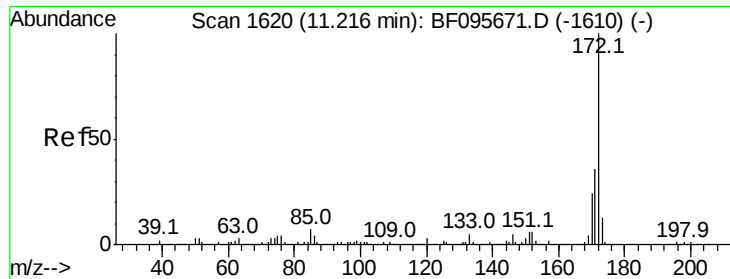
Tot Ion:164 Resp: 183753
Ion Ratio Lower Upper
164 100
162 100.7 82.6 123.8
160 43.5 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 75.32 ng
RT: 13.54 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:330 Resp: 122448
Ion Ratio Lower Upper
330 100
332 97.6 76.6 115.0
141 40.2 31.4 47.2

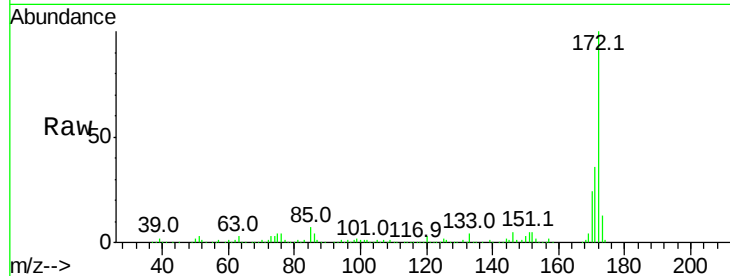




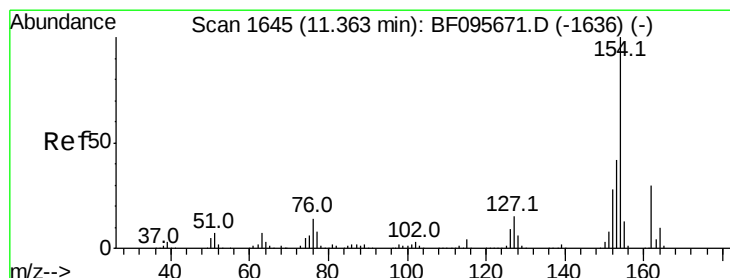
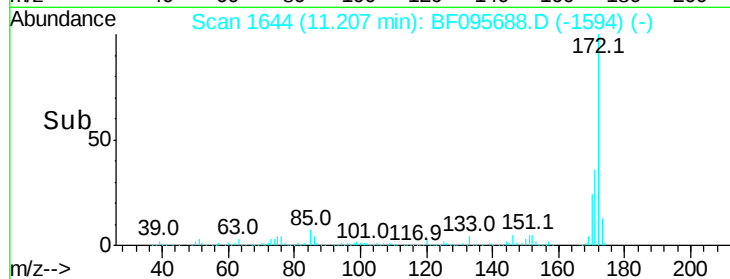
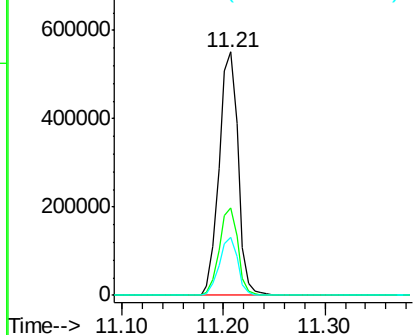
#44
2-Fluorobiphenyl
Concen: 54.43 ng
RT: 11.21 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 718692
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.9 19.8 29.8

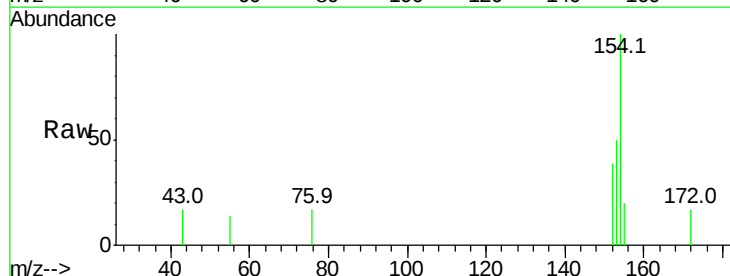


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

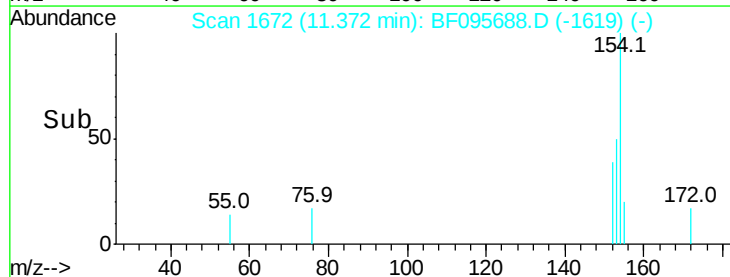
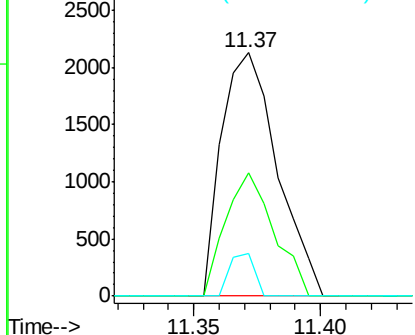


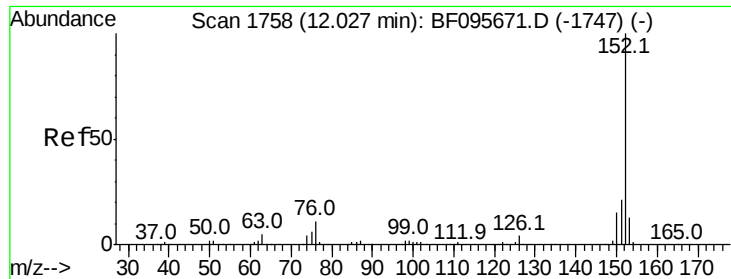
#45
1,1'-Biphenyl
Concen: 0.21 ng
RT: 11.37 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:154 Resp: 3250
Ion Ratio Lower Upper
154 100
153 50.4 21.2 61.2
76 17.3 0.0 29.9



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





#48

Acenaphthylene

Concen: 0.46 ng

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

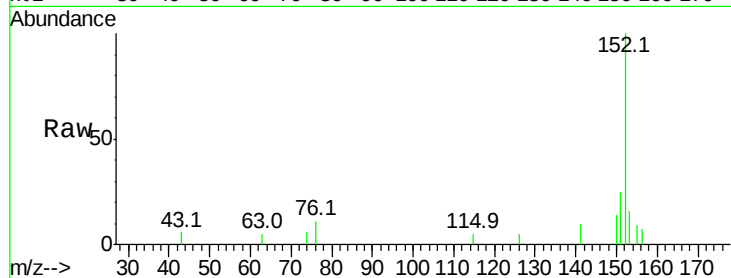
Tot Ion:152 Resp: 9394

Ion Ratio Lower Upper

152 100

151 24.8 16.8 25.2

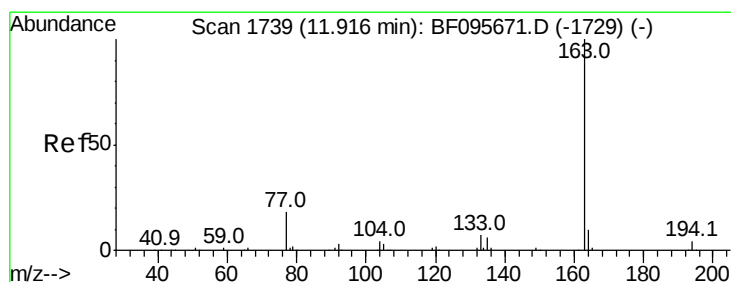
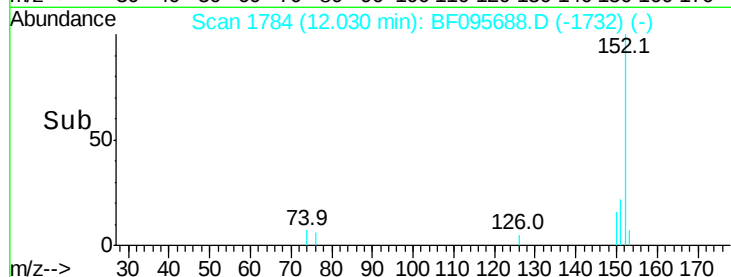
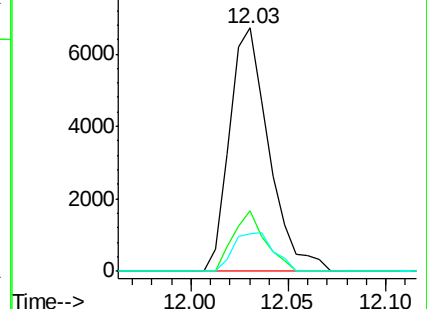
153 15.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.12 ng

RT: 11.90 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

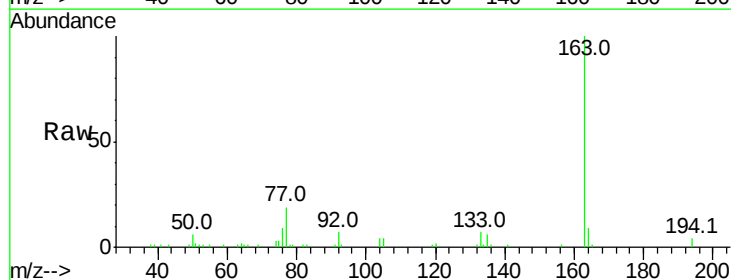
Tgt Ion:163 Resp: 71499

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

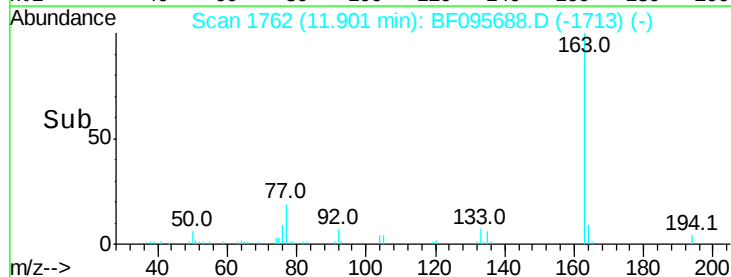
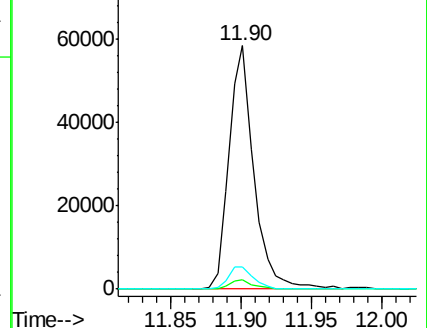
164 9.2 8.4 12.6

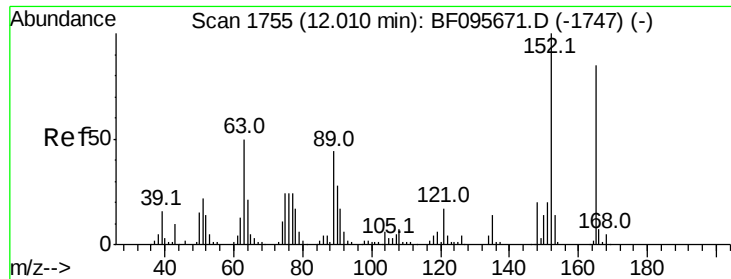


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

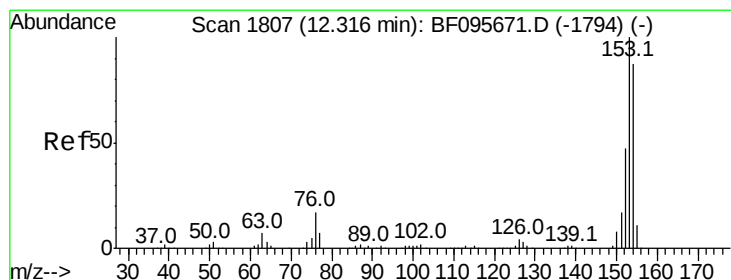
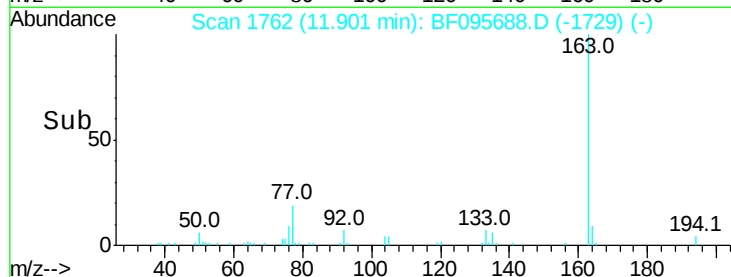
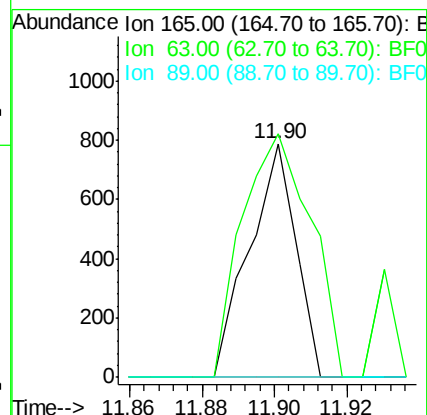
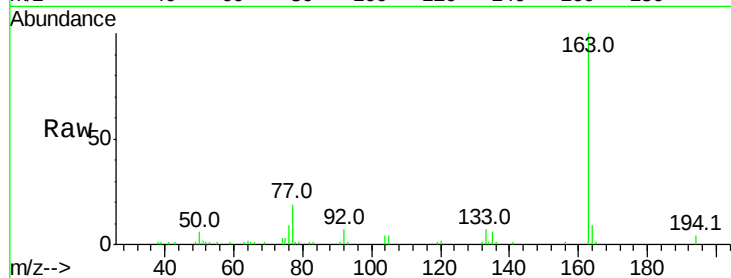




#50
2,6-Dinitrotoluene
Concen: 0.23 ng
RT: 11.90 min Scan# 1762
Delta R.T. -0.11 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

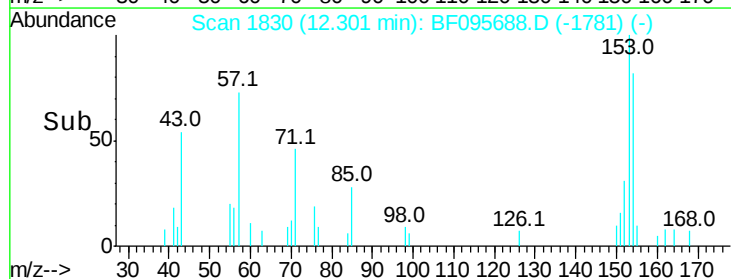
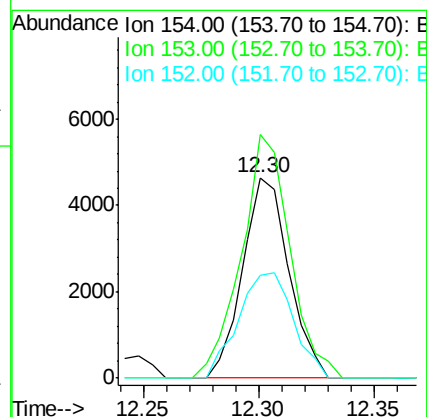
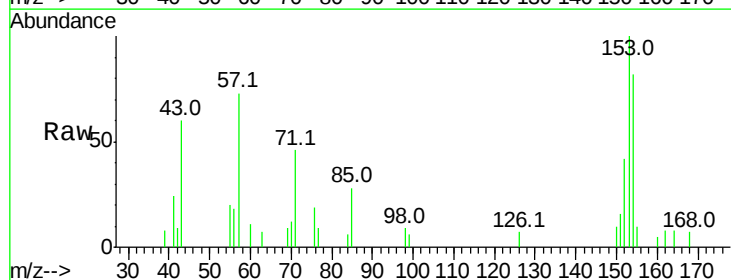
Instrument :
BNA_F
ClientSampleId :

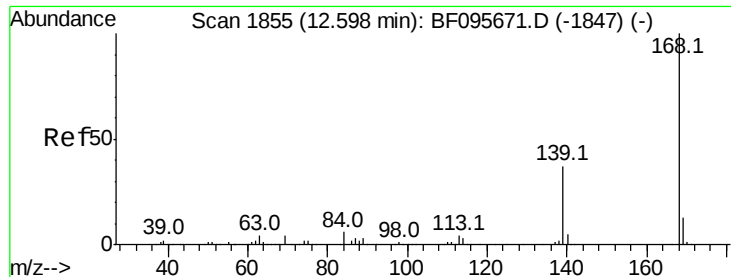
Tot Ion:165 Resp: 702
Ion Ratio Lower Upper
165 100
63 104.1 34.3 51.5#
89 0.0 37.1 55.7#



#51
Acenaphthene
Concen: 0.56 ng
RT: 12.30 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:154 Resp: 6490
Ion Ratio Lower Upper
154 100
153 121.6 90.5 135.7
152 51.6 43.6 65.4





#54

Dibenzofuran

Concen: 0.74 ng

RT: 12.60 min Scan# 1881

Delta R.T. 0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampled :

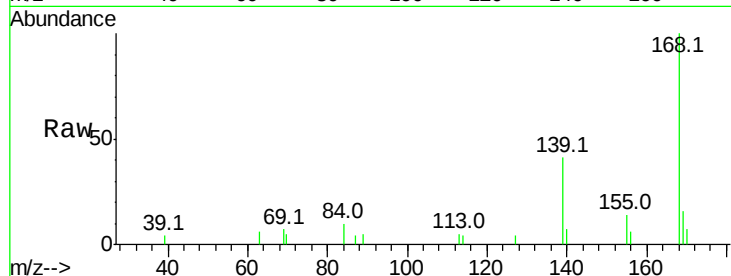
Tot Ion:168 Resp: 12158

Ion Ratio Lower Upper

168 100

139 41.3 30.6 45.8

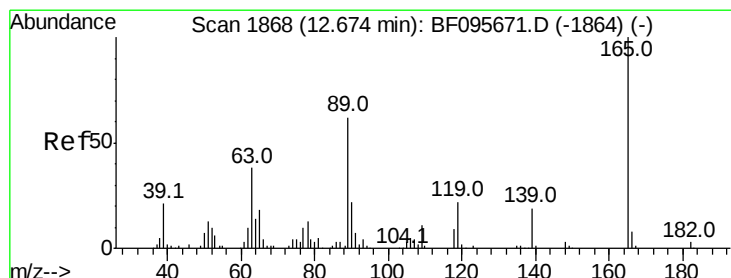
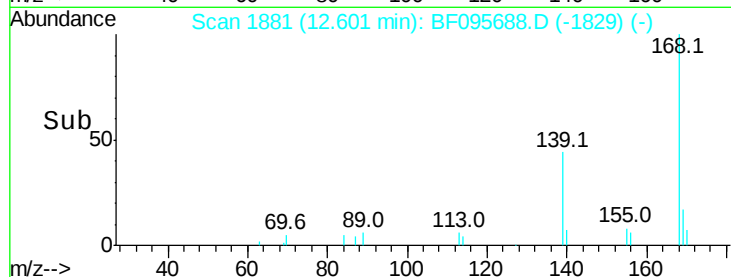
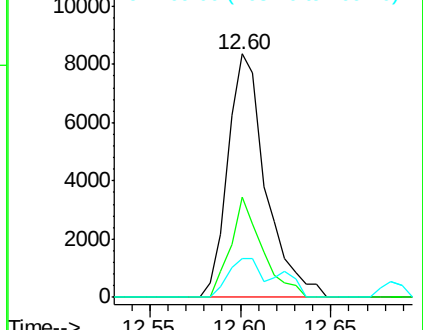
169 15.9 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 6.54 ng

RT: 12.60 min Scan# 1881

Delta R.T. -0.07 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

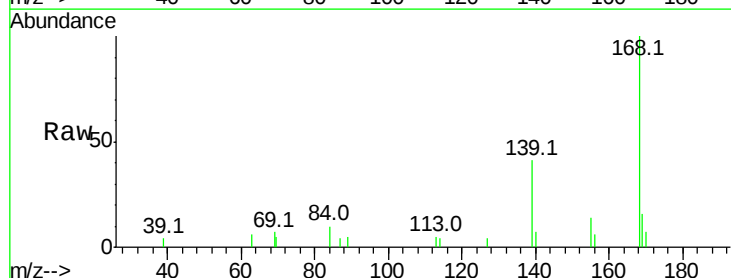
Tgt Ion:139 Resp: 4205

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

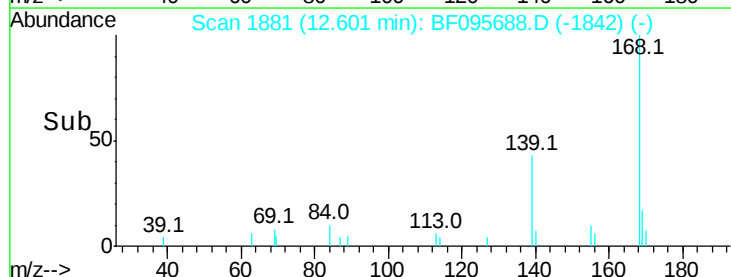
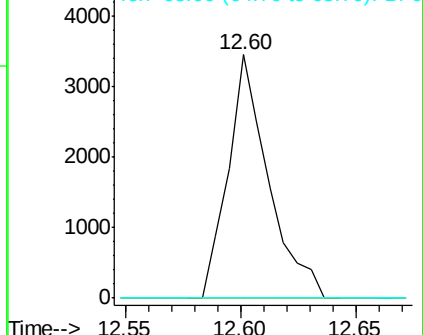
65 0.0 31.4 71.4#

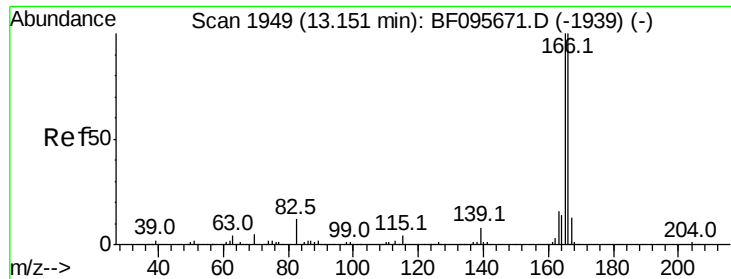


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 0.42 ng

RT: 13.15 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

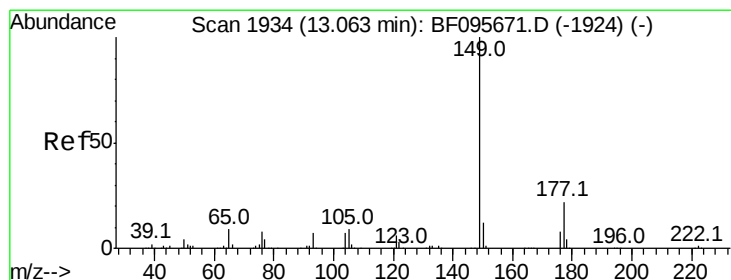
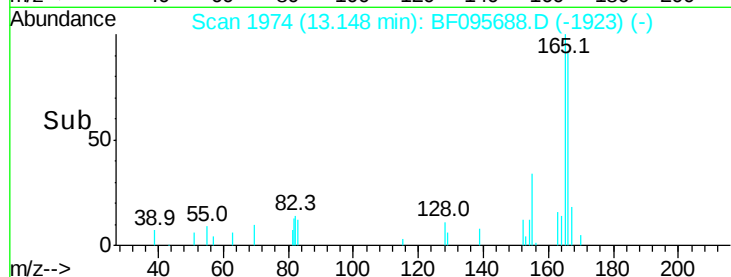
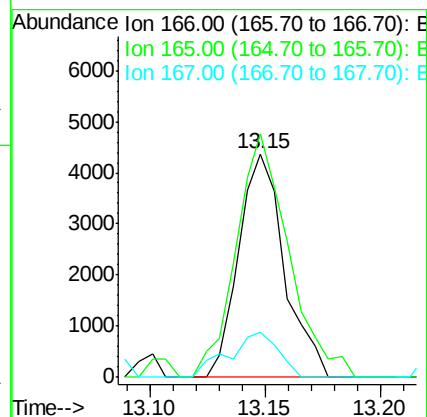
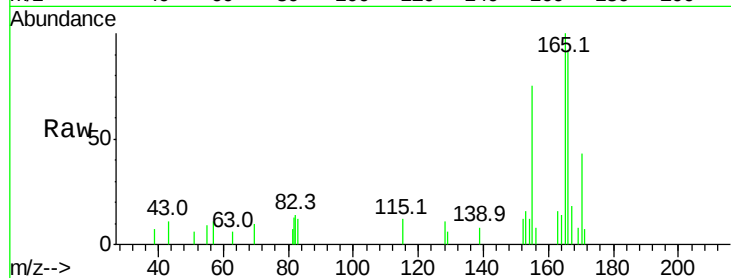
Tot Ion:166 Resp: 6021

Ion Ratio Lower Upper

166 100

165 108.9 78.8 118.2

167 20.1 10.6 16.0#



#59

Diethylphthalate

Concen: 0.52 ng

RT: 13.04 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

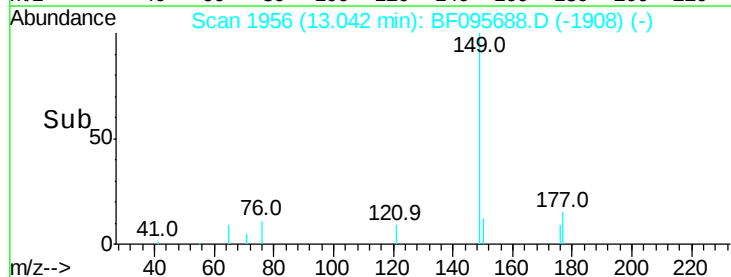
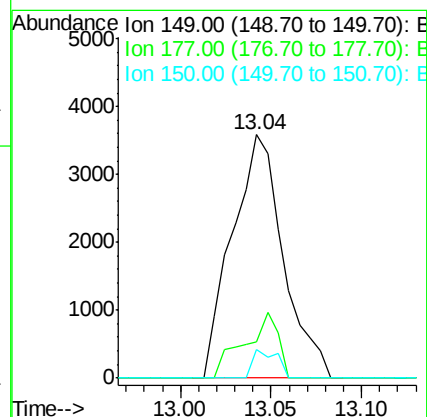
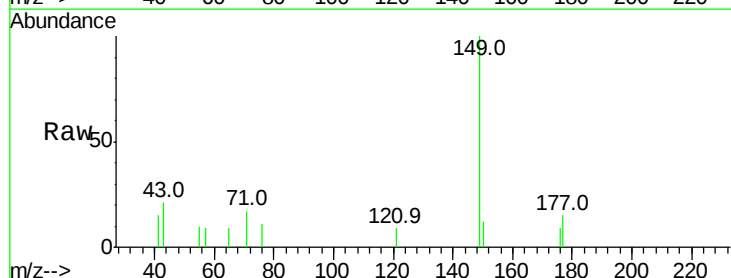
Tgt Ion:149 Resp: 7035

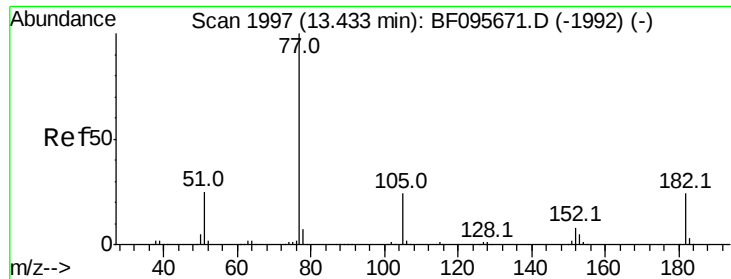
Ion Ratio Lower Upper

149 100

177 14.7 16.7 25.1#

150 11.6 10.2 15.2

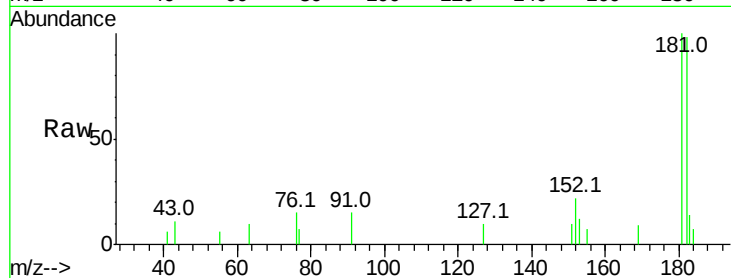




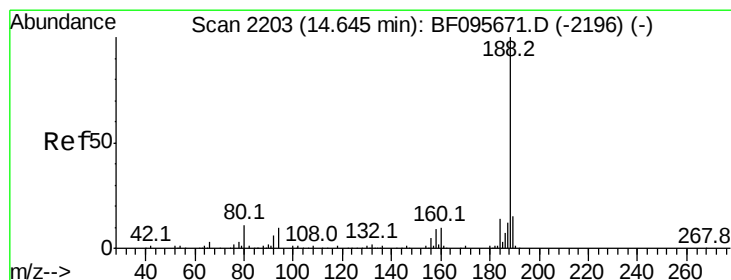
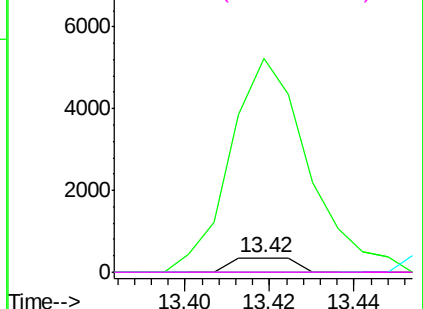
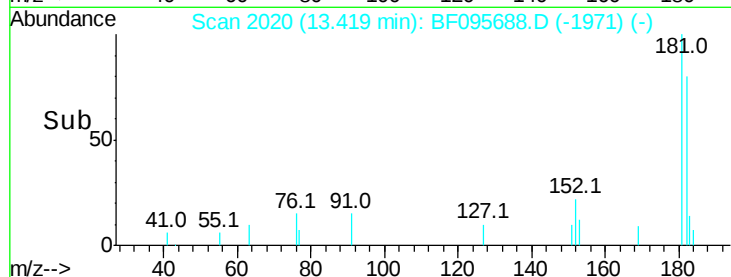
#62
Azobenzene
Concen: 0.03 ng
RT: 13.42 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 367
Ion Ratio Lower Upper
77 100
182 1484.4 0.1 40.1#
105 0.0 3.6 43.6#
51 0.0 9.4 49.4#

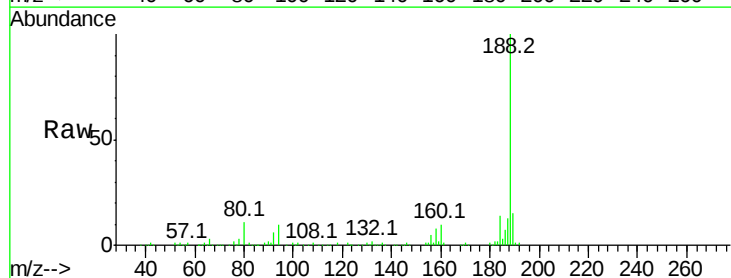


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

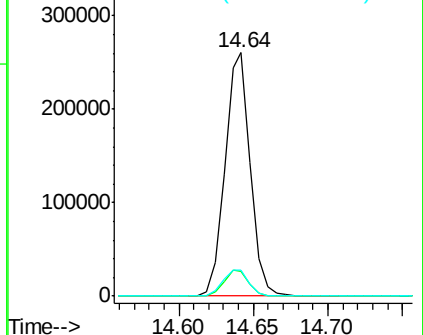
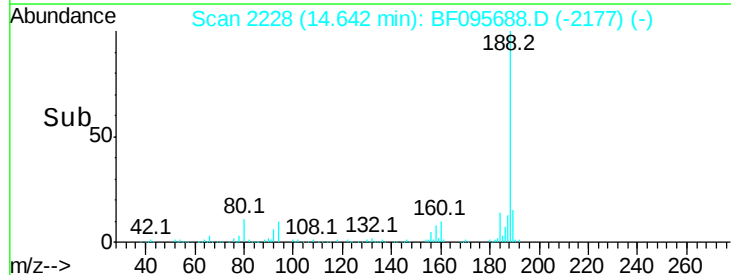


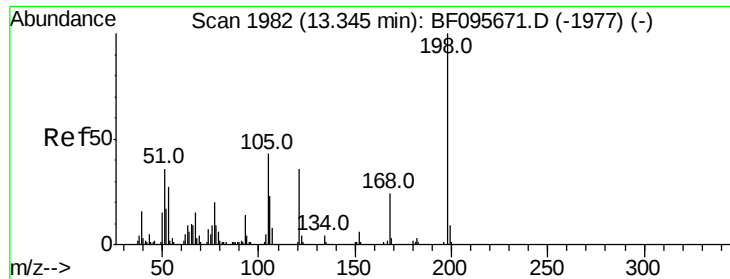
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion: 188 Resp: 310226
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.9 10.2 15.2



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

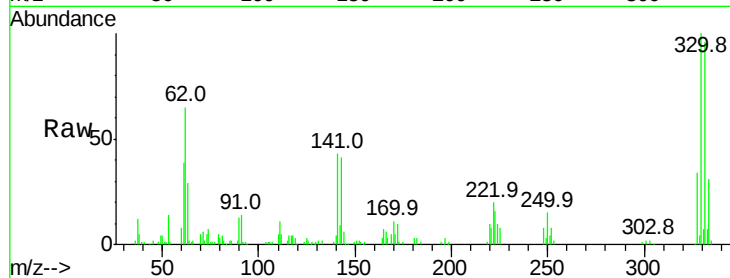




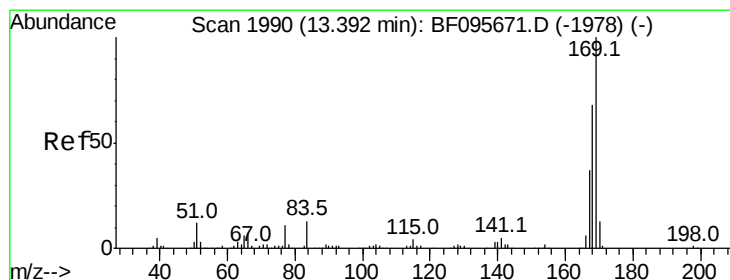
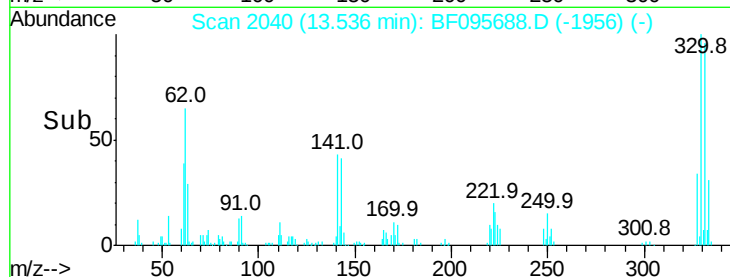
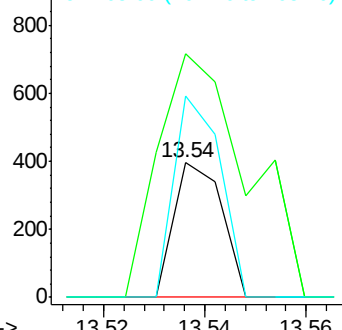
#64
4,6-Dinitro-2-methylphenol
Concen: 0.13 ng
RT: 13.54 min Scan# 2040
Delta R.T. 0.19 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 261
Ion Ratio Lower Upper
198 100
51 180.8 53.2 93.2#
105 149.5 45.8 85.8#

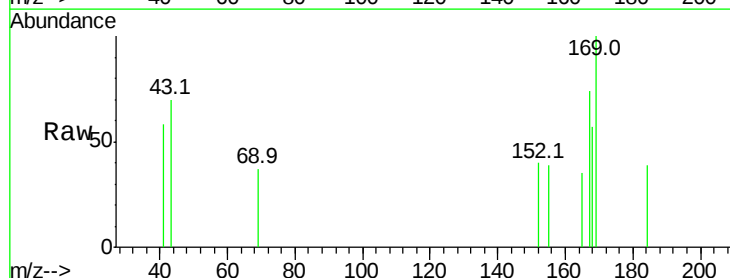


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

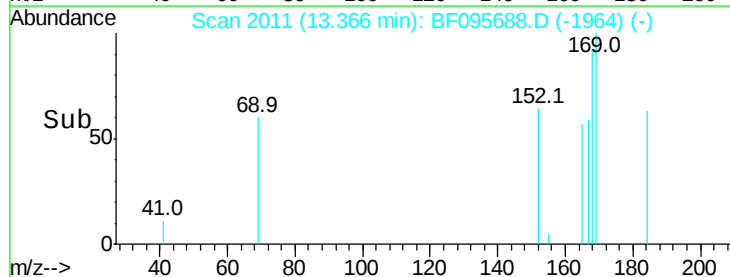
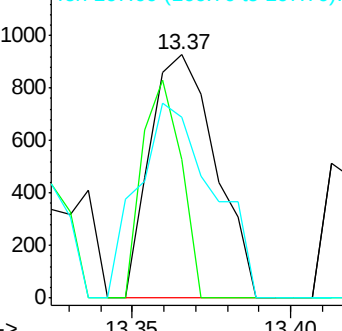


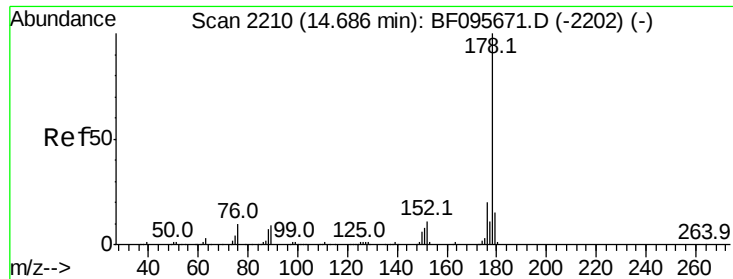
#65
n-Nitrosodiphenylamine
Concen: 0.12 ng
RT: 13.37 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:169 Resp: 1330
Ion Ratio Lower Upper
169 100
168 57.0 53.2 79.8
167 74.2 29.5 44.3#



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

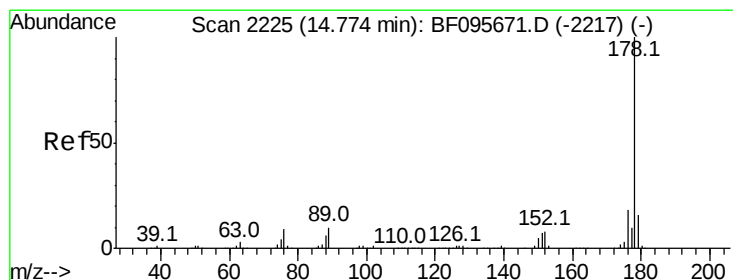
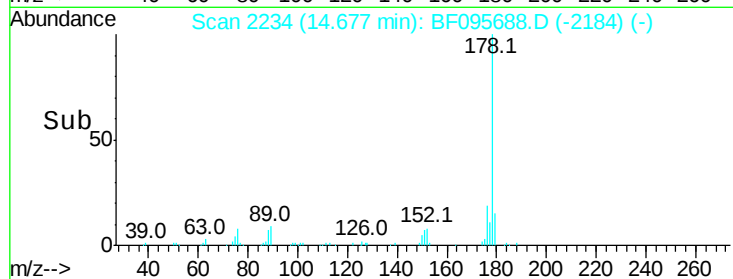
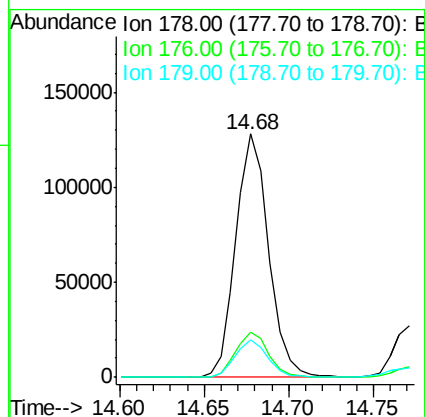
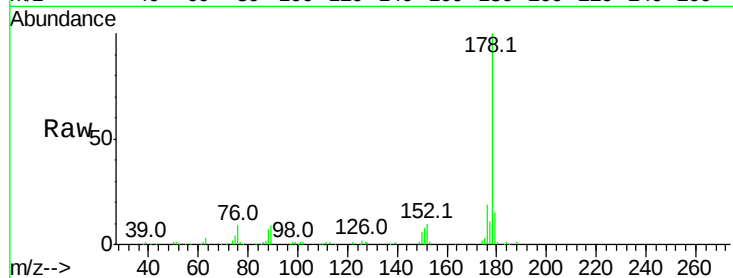




#70
Phenanthrene
Concen: 9.70 ng
RT: 14.68 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

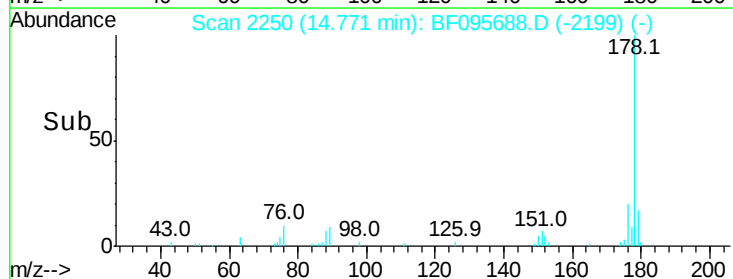
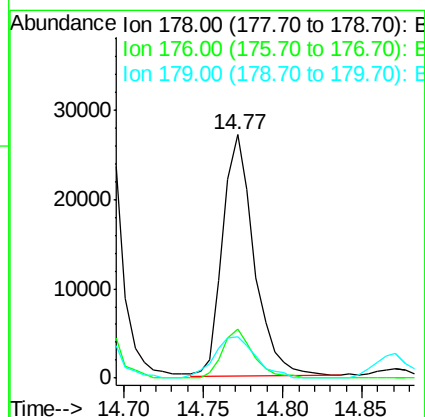
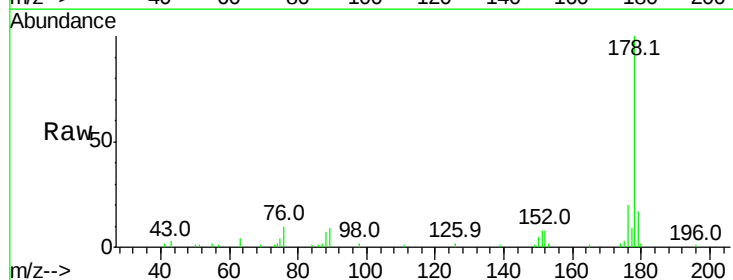
Instrument :
BNA_F
ClientSampleId :

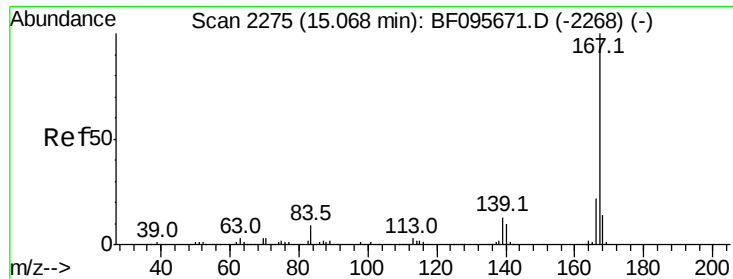
Tot Ion:178 Resp: 173589
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 15.4 12.6 19.0



#71
Anthracene
Concen: 2.00 ng
RT: 14.77 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:178 Resp: 37457
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 17.0 12.7 19.1





#72

Carbazole

Concen: 0.84 ng

RT: 15.08 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

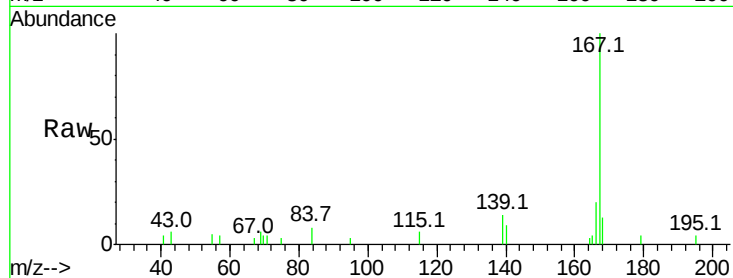
Tot Ion:167 Resp: 15295

Ion Ratio Lower Upper

167 100

166 19.8 18.1 27.1

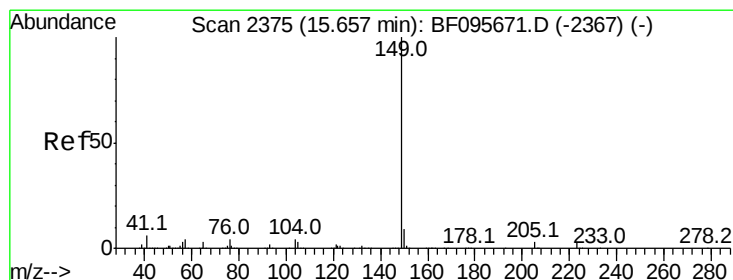
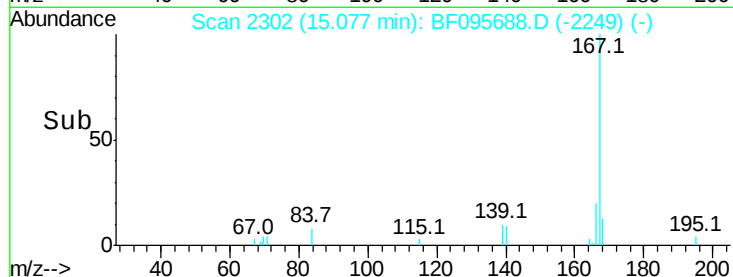
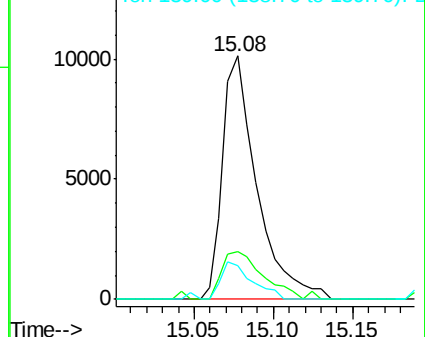
139 14.0 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.33 ng

RT: 15.65 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

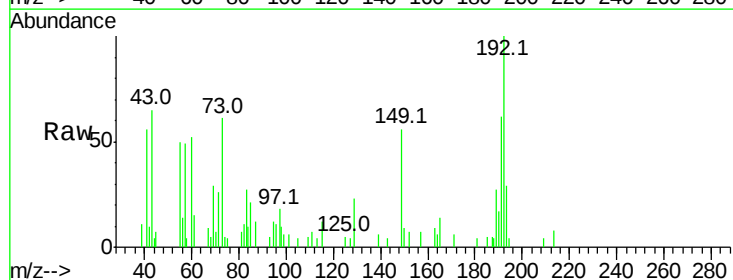
Tgt Ion:149 Resp: 6384

Ion Ratio Lower Upper

149 100

150 16.2 7.7 11.5#

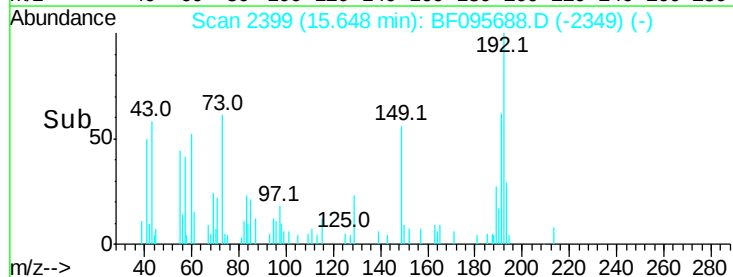
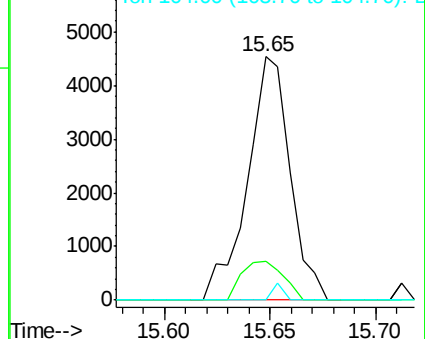
104 0.0 4.0 6.0#

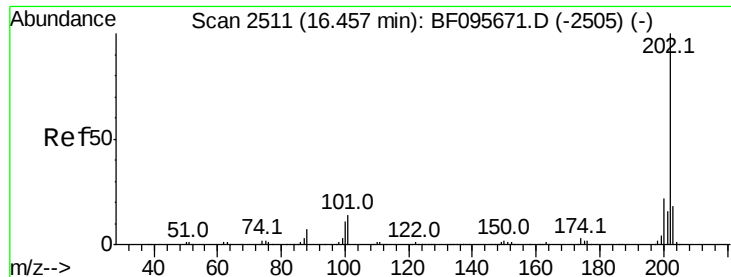


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 13.44 ng

RT: 16.45 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

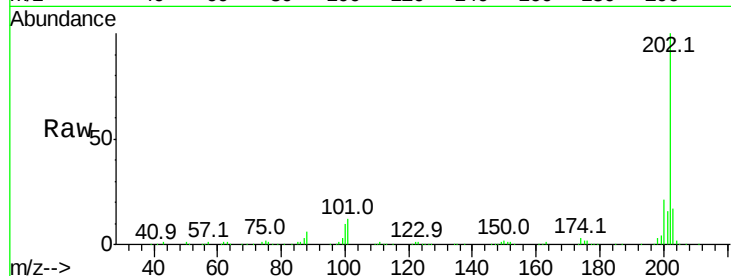
Tot Ion:202 Resp: 238056

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

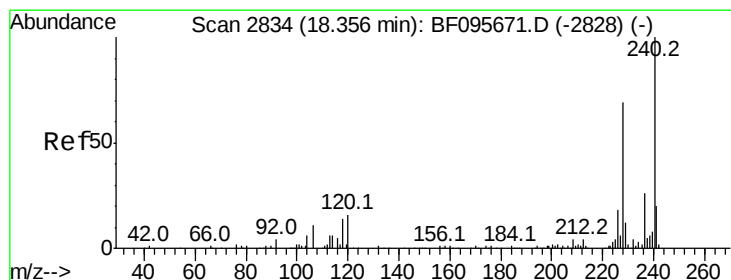
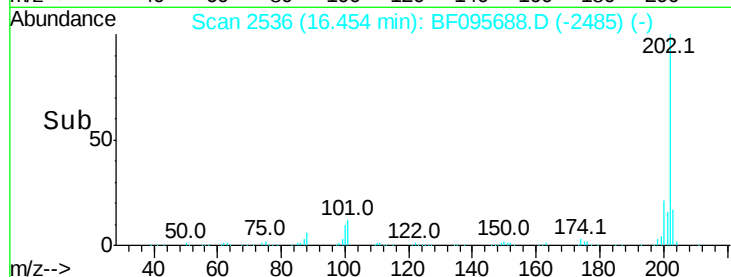
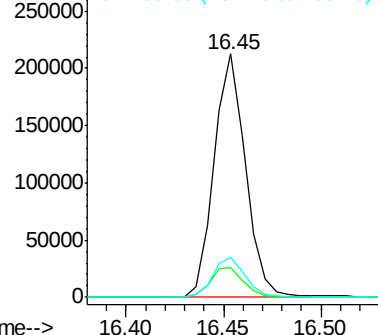
203 16.7 0.0 38.1



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: 18.35 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

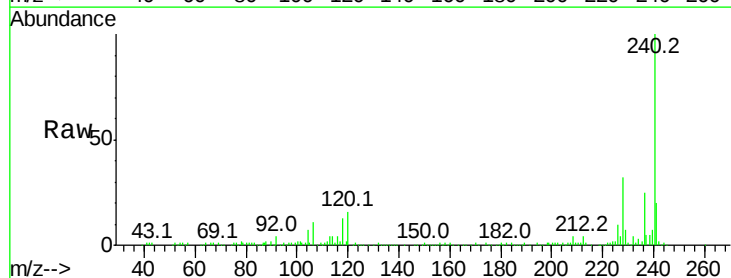
Tgt Ion:240 Resp: 177284

Ion Ratio Lower Upper

240 100

120 15.9 5.8 8.8#

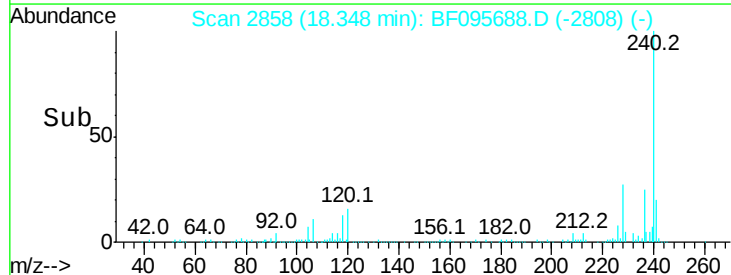
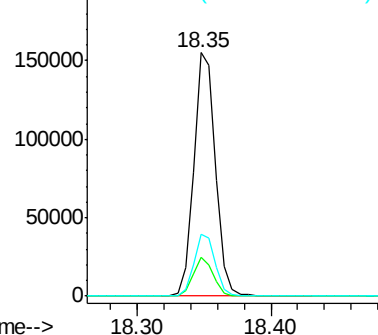
236 25.4 20.5 30.7

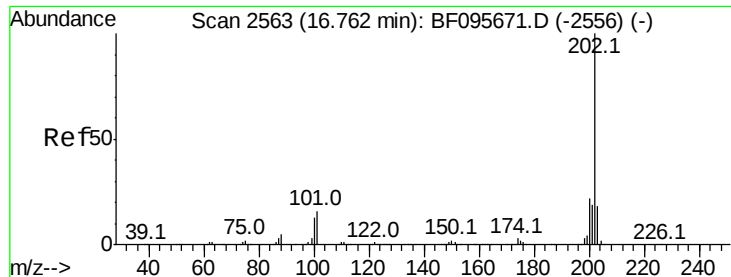


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

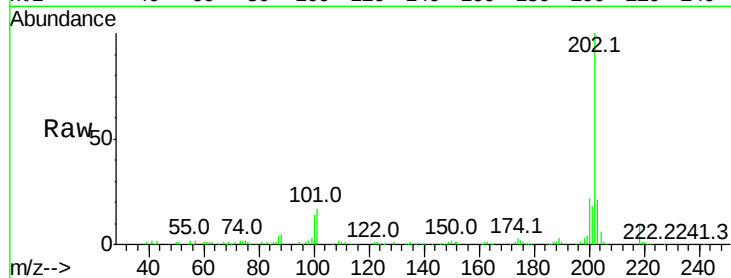




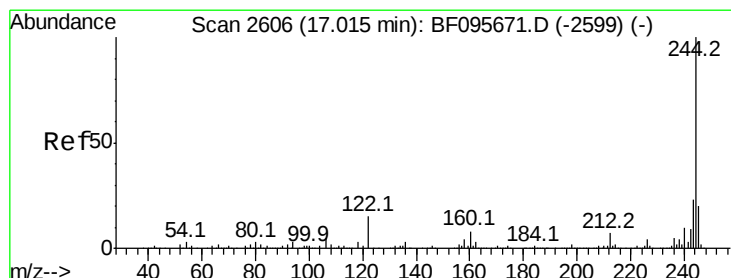
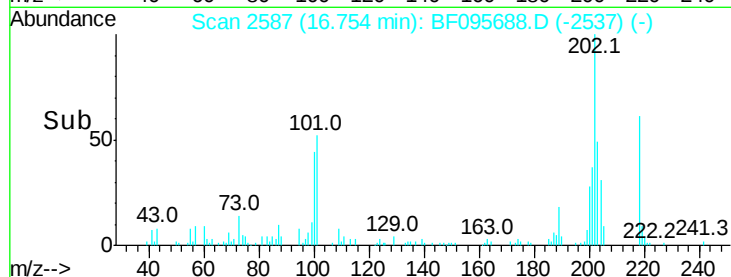
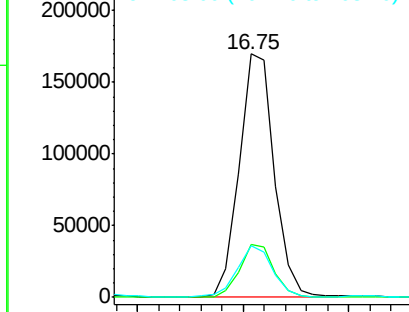
#77
Pvrene
Concen: 14.77 ng
RT: 16.75 min Scan# 2587
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 195344
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 21.3 14.4 21.6

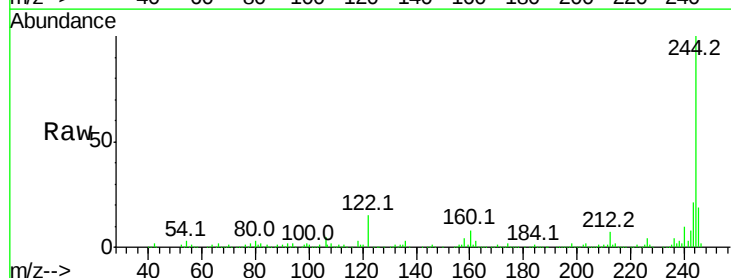


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

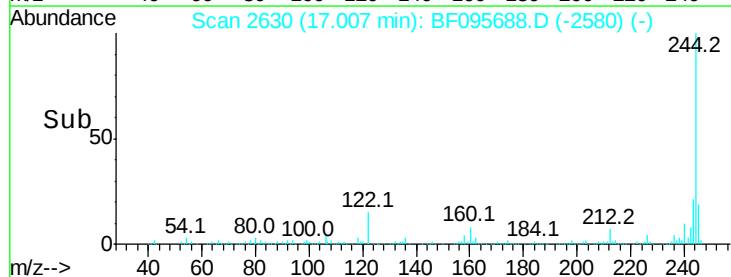
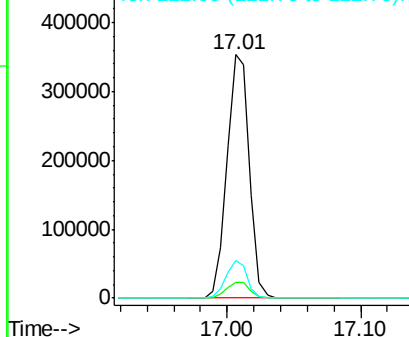


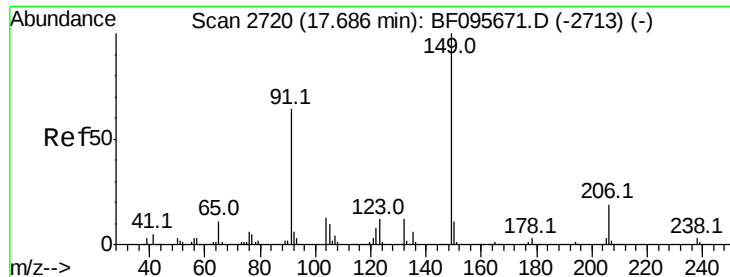
#78
Terphenyl-d14
Concen: 58.30 ng
RT: 17.01 min Scan# 2630
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:244 Resp: 416446
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 15.3 10.3 15.5



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

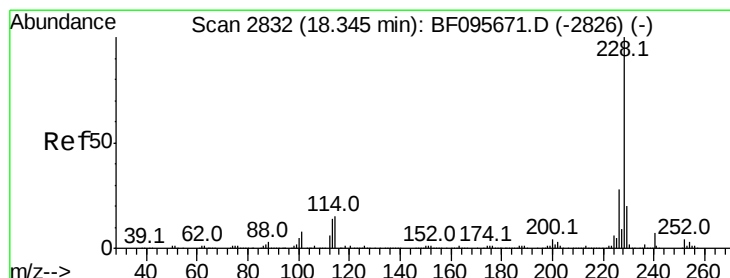
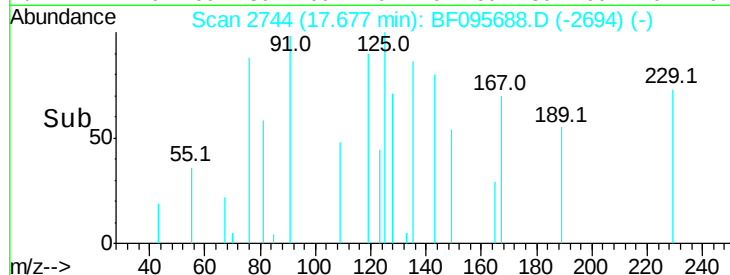
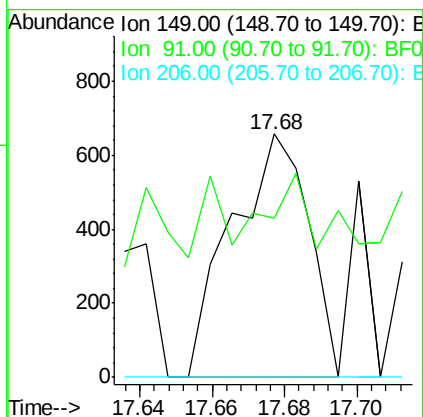
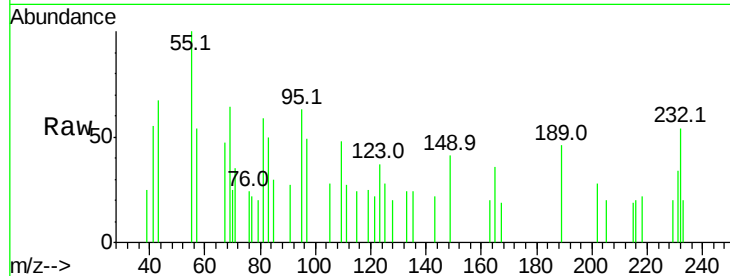




#79
Butylbenzylphthalate
Concen: 0.17 ng
RT: 17.68 min Scan# 2744
Delta R.T. -0.01 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

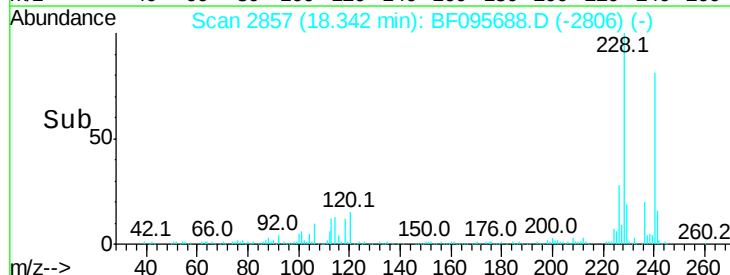
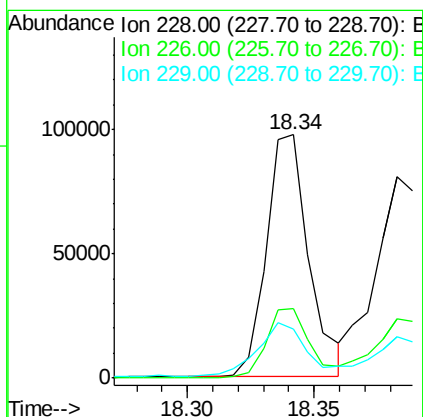
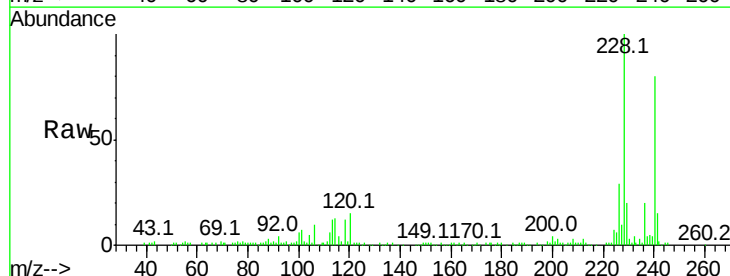
Instrument :
BNA_F
ClientSampled :

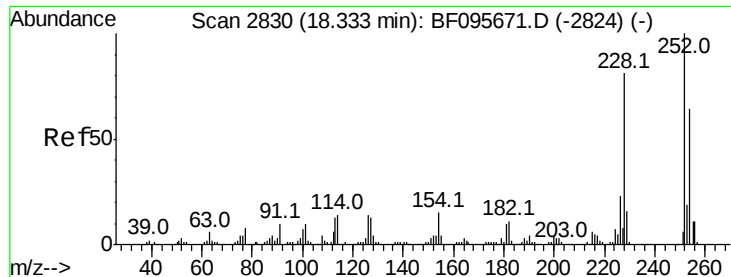
Tot Ion:149 Resp: 966
Ion Ratio Lower Upper
149 100
91 65.5 45.0 67.4
206 0.0 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 11.11 ng
RT: 18.34 min Scan# 2857
Delta R.T. -0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:228 Resp: 114492
Ion Ratio Lower Upper
228 100
226 28.6 22.6 33.8
229 20.0 16.3 24.5

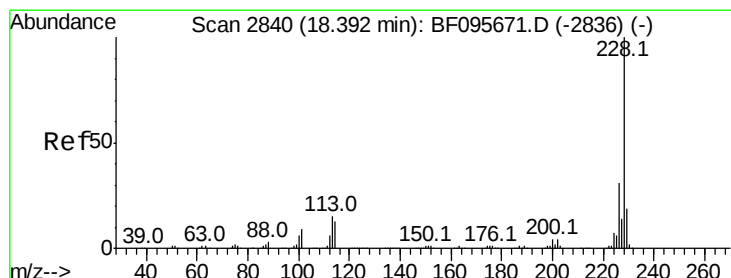
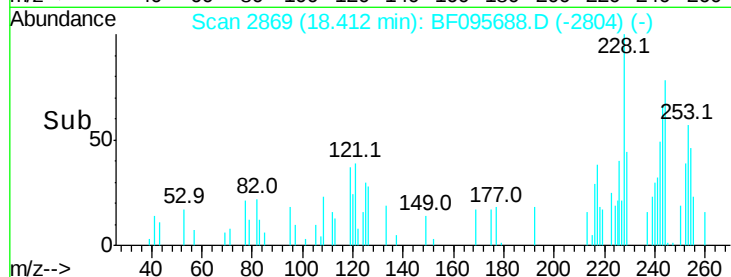
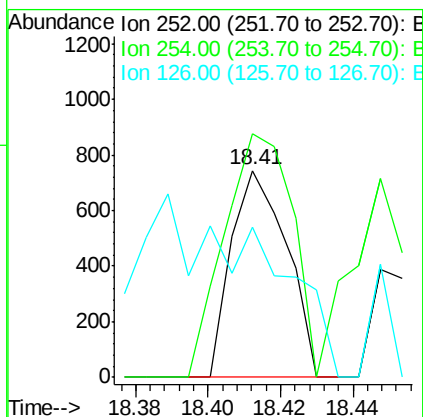
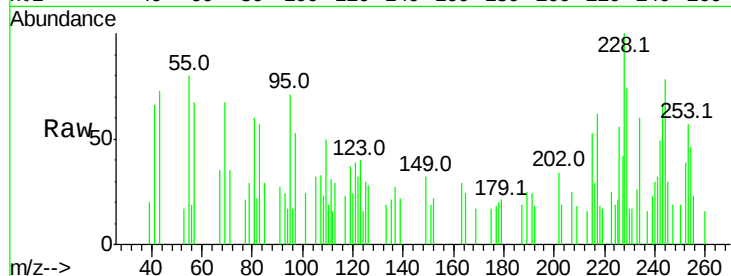




#81
 3,3'-Dichlorobenzidine
 Concen: 0.22 ng
 RT: 18.41 min Scan# 2869
 Delta R.T. 0.08 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

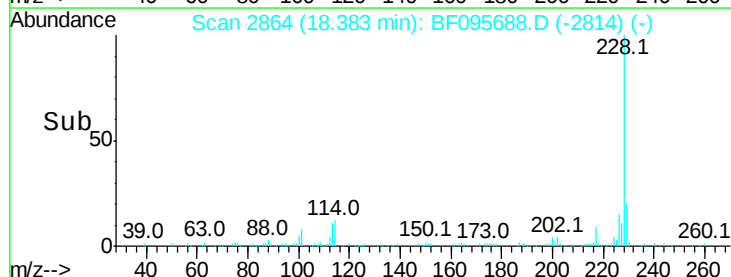
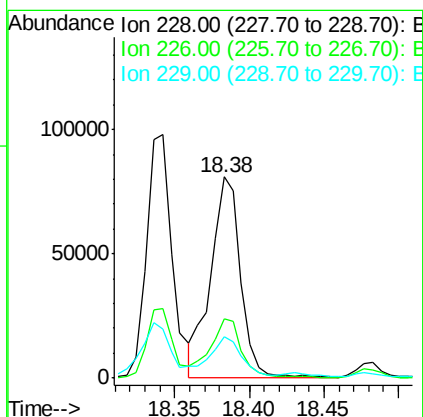
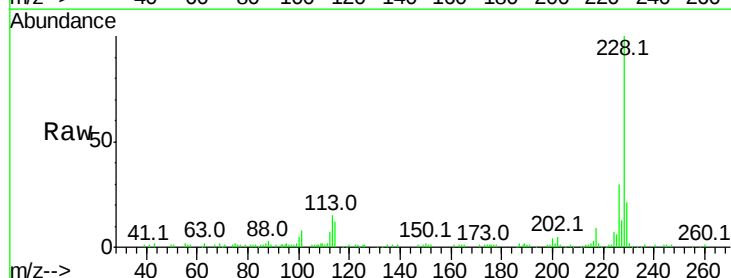
Instrument :
 BNA_F
 ClientSampled :

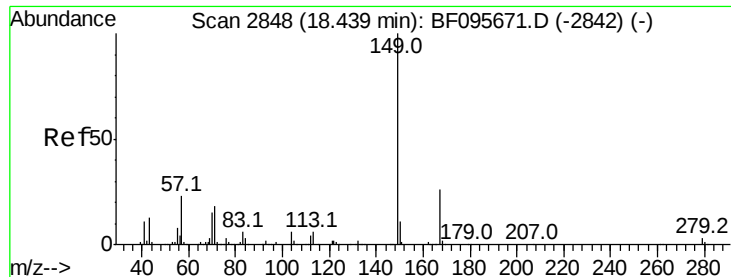
Tot Ion:252 Resp: 791
 Ion Ratio Lower Upper
 252 100
 254 117.7 51.5 77.3#
 126 72.7 15.8 23.8#



#82
 Chrysene
 Concen: 10.90 ng
 RT: 18.38 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Tgt Ion:228 Resp: 112231
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.9 37.3
 229 20.8 15.8 23.6

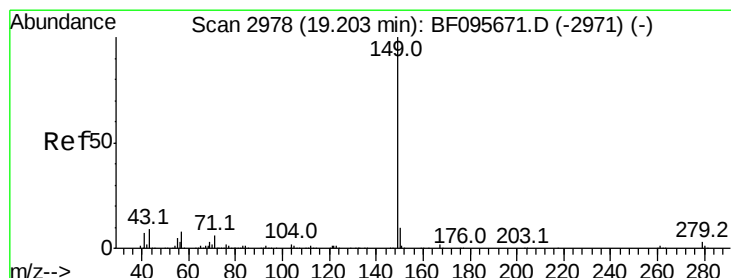
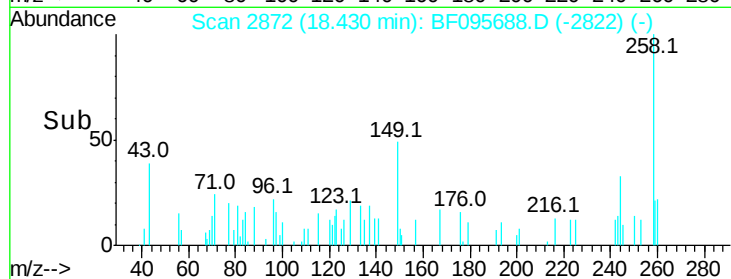
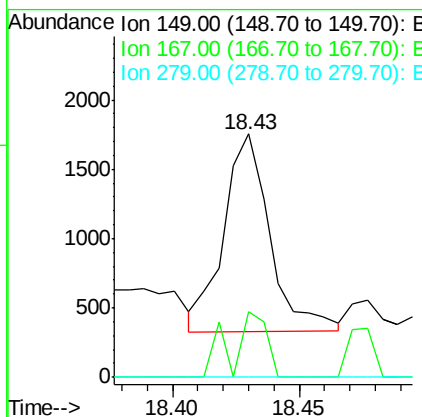
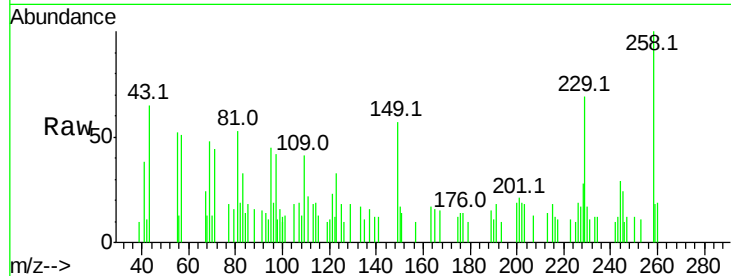




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.22 ng
 RT: 18.43 min Scan# 2872
 Delta R.T. -0.01 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

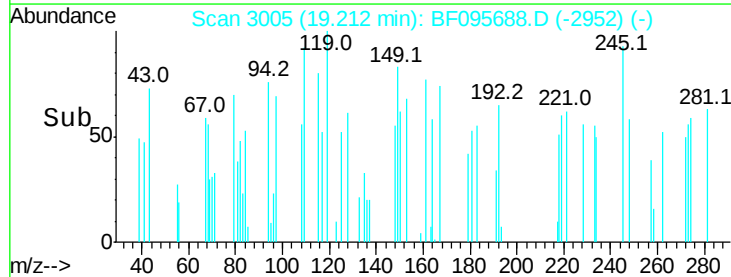
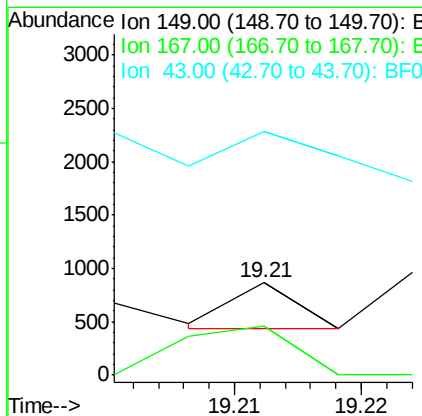
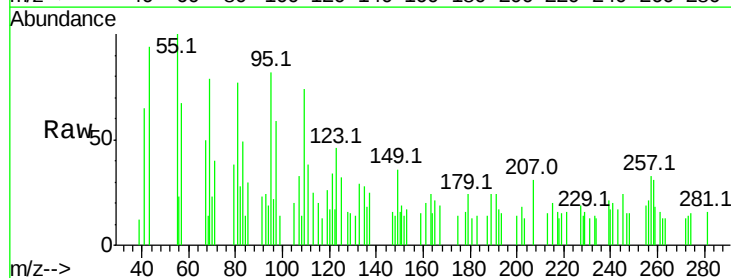
Instrument :
 BNA_F
 ClientSampleId :

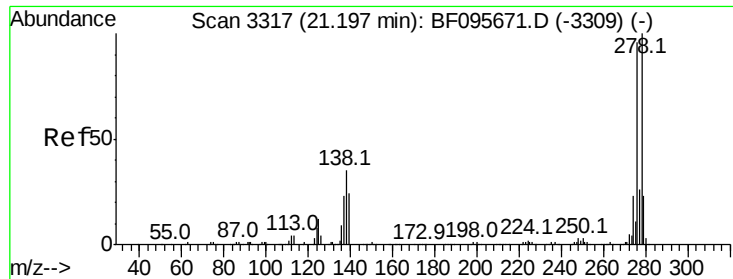
Tot Ion:149 Resp: 1810
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.0 31.4
 279 0.0 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 0.01 ng
 RT: 19.21 min Scan# 3005
 Delta R.T. 0.01 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Tgt Ion:149 Resp: 150
 Ion Ratio Lower Upper
 149 100
 167 278.7 1.2 1.8#
 43 485.3 8.5 12.7#

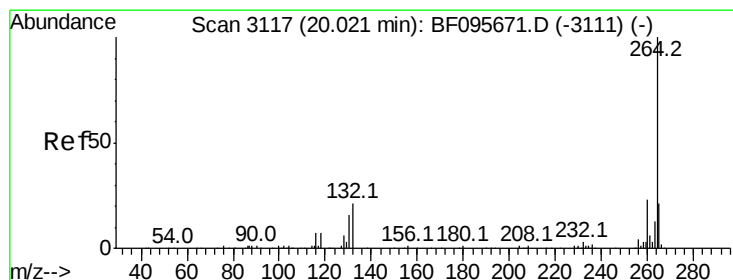
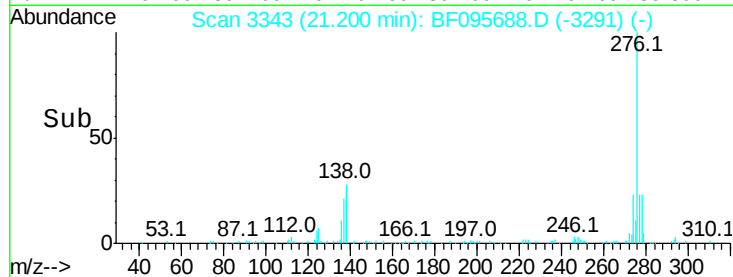
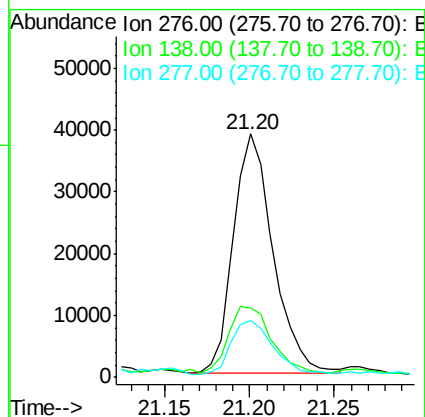
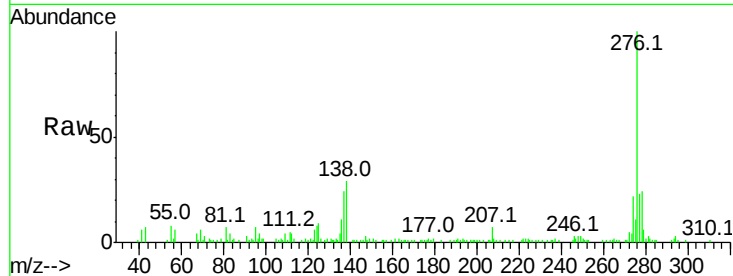




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.25 ng
RT: 21.20 min Scan# 3343
Delta R.T. 0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

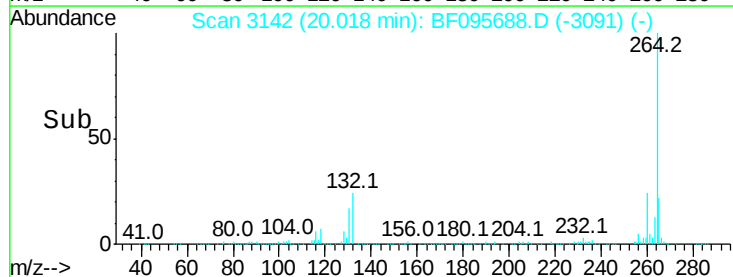
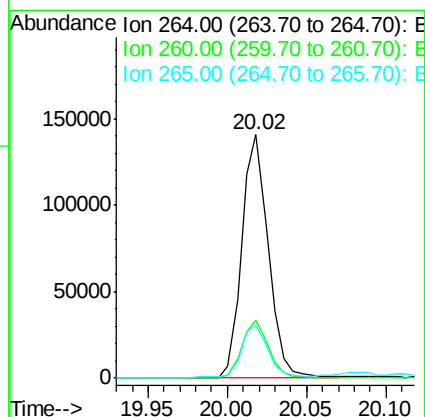
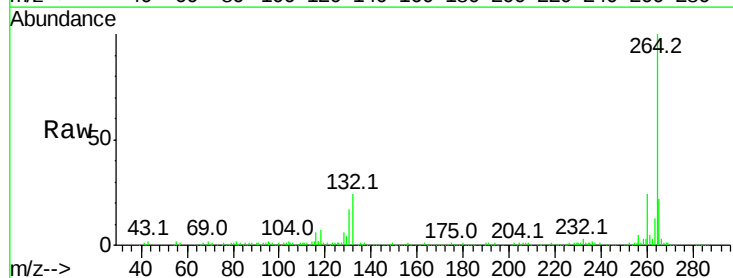
Instrument :
BNA_F
ClientSampleId :

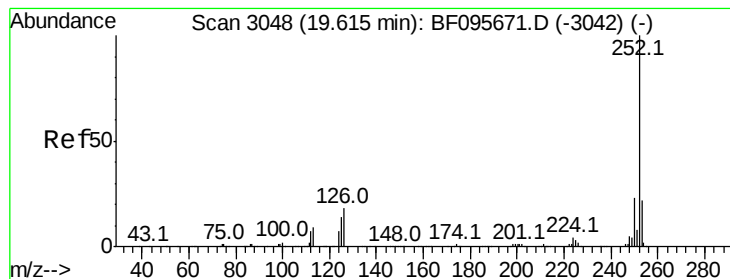
Tot Ion:276 Resp: 63891
Ion Ratio Lower Upper
276 100
138 33.4 27.8 41.6
277 23.7 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:264 Resp: 163293
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 21.8 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 19.49 ng

RT: 19.62 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

Instrument :

BNA_F

ClientSampleId :

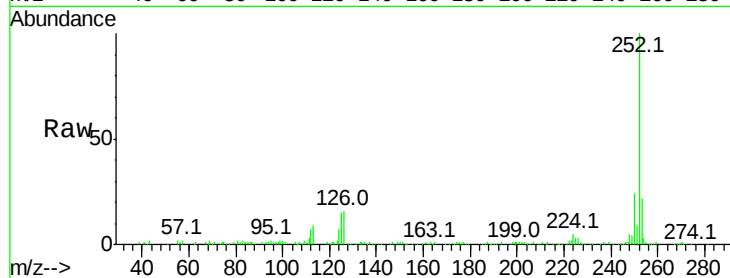
Tot Ion:252 Resp: 199232

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

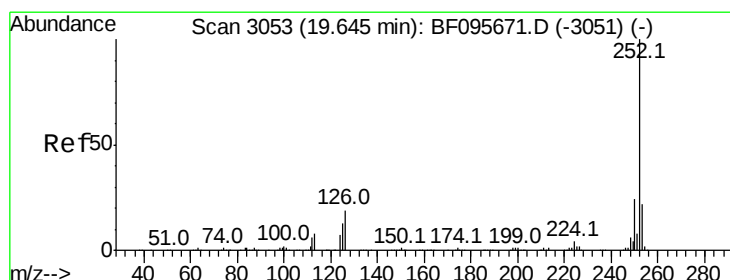
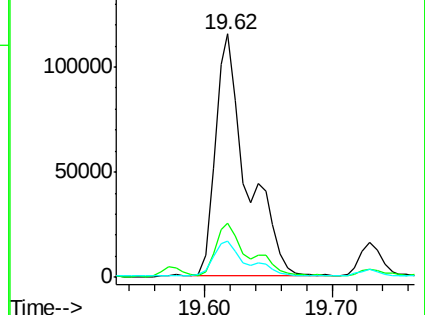
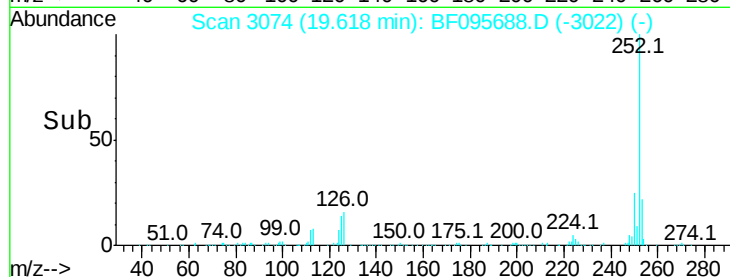
125 14.6 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 20.38 ng

RT: 19.62 min Scan# 3074

Delta R.T. -0.03 min

Lab File: BF095688.D

Acq: 5 Jun 2017 23:13

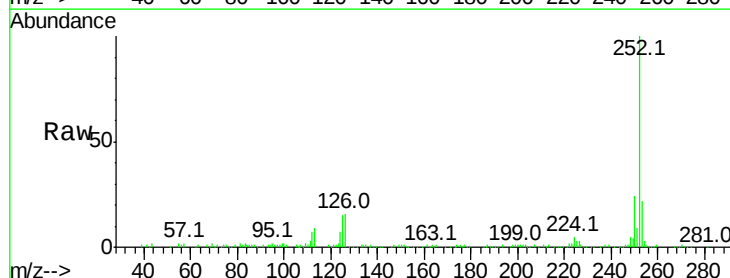
Tgt Ion:252 Resp: 199169

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

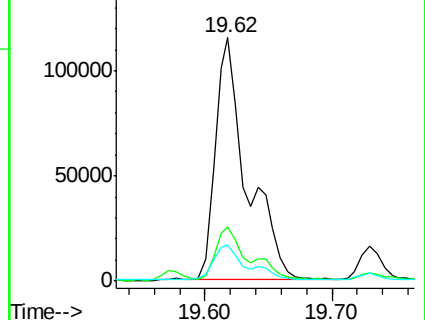
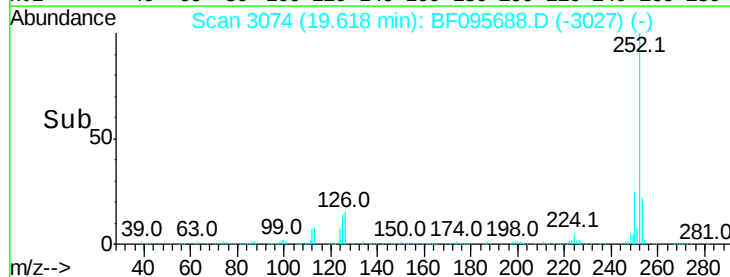
125 14.6 13.1 19.7

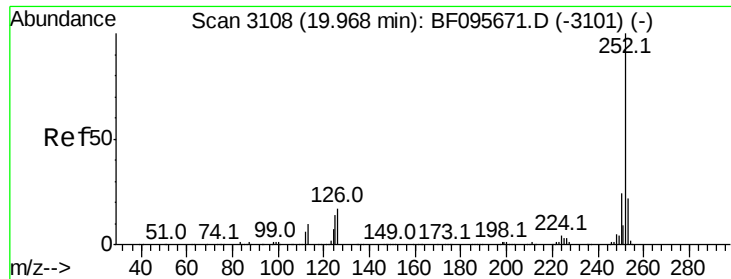


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

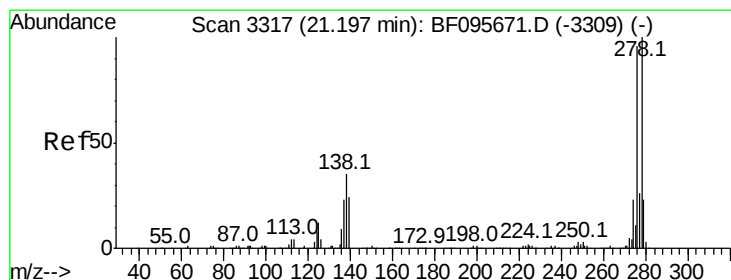
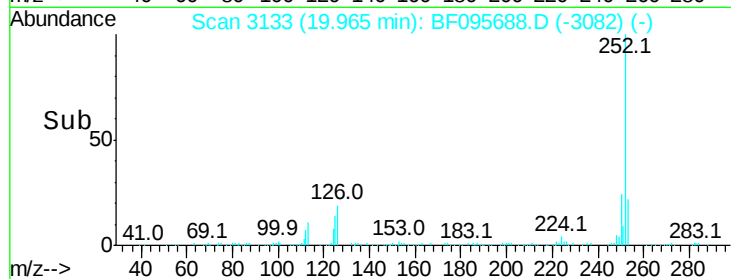
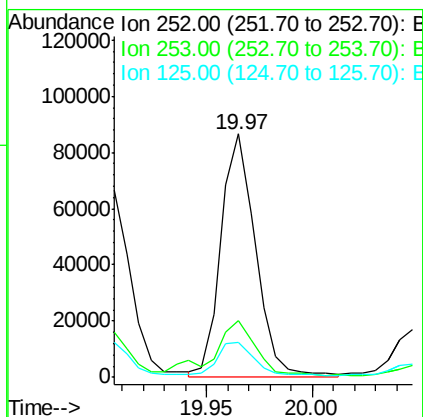
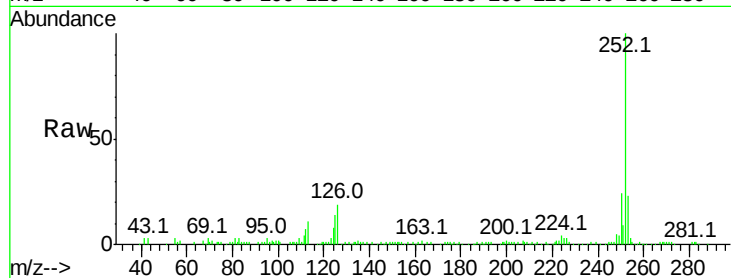




#89
Benzo(a)pyrene
Concen: 10.41 ng
RT: 19.97 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

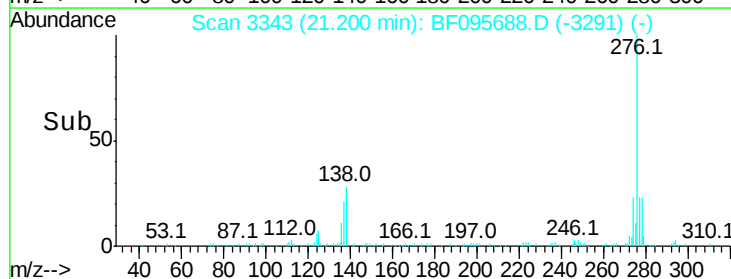
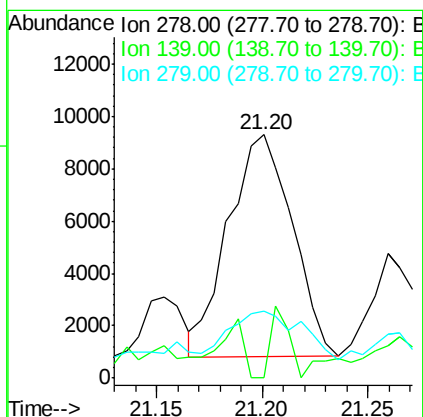
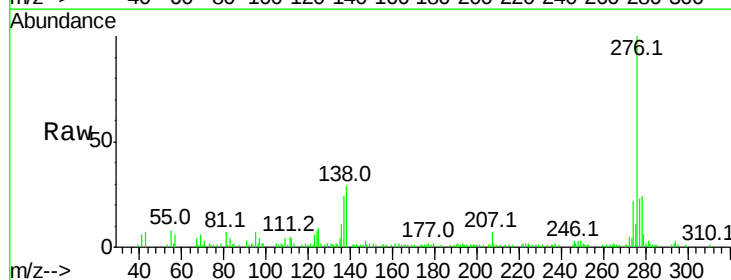
Instrument :
BNA_F
ClientSampleId :

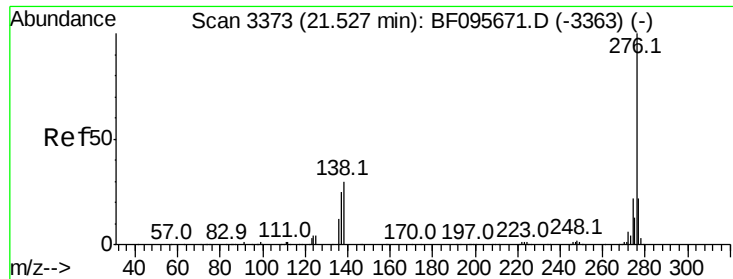
Tot Ion:252 Resp: 97787
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 14.5 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 2.25 ng
RT: 21.20 min Scan# 3343
Delta R.T. 0.00 min
Lab File: BF095688.D
Acq: 5 Jun 2017 23:13

Tgt Ion:278 Resp: 17907
Ion Ratio Lower Upper
278 100
139 0.0 16.6 24.8#
279 27.5 19.3 28.9

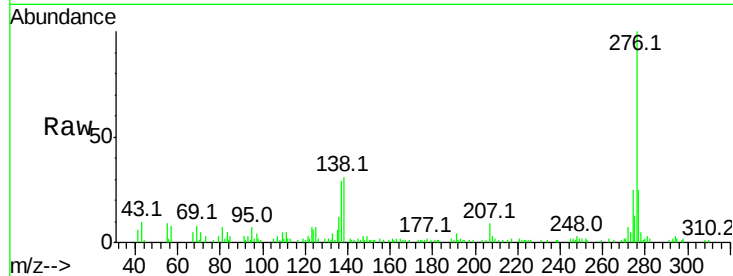




#91
 Benzo(a,h,i)perylene
 Concen: 7.42 ng
 RT: 21.54 min Scan# 3400
 Delta R.T. 0.01 min
 Lab File: BF095688.D
 Acq: 5 Jun 2017 23:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 60327
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.6 28.0
 138 31.0 25.4 38.0



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

