

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099768.D
 Acq On : 23 Oct 2017 19:30
 Operator : SJ/JU
 Sample : I5950-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Quant Time: Oct 23 23:30:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 15:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	104041	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	422606	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	203202	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	347133	20.00	ng	0.00
75) Chrysene-d12	13.97	240	187867	20.00	ng	-0.01
86) Perylene-d12	15.44	264	192076	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	341537	51.54	ng	0.00
7) Phenol-d6	6.45	99	255644	32.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	557854	84.98	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	221422	119.57	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1130656	85.85	ng	0.00
78) Terphenyl-d14	12.92	244	861122	100.17	ng	0.00

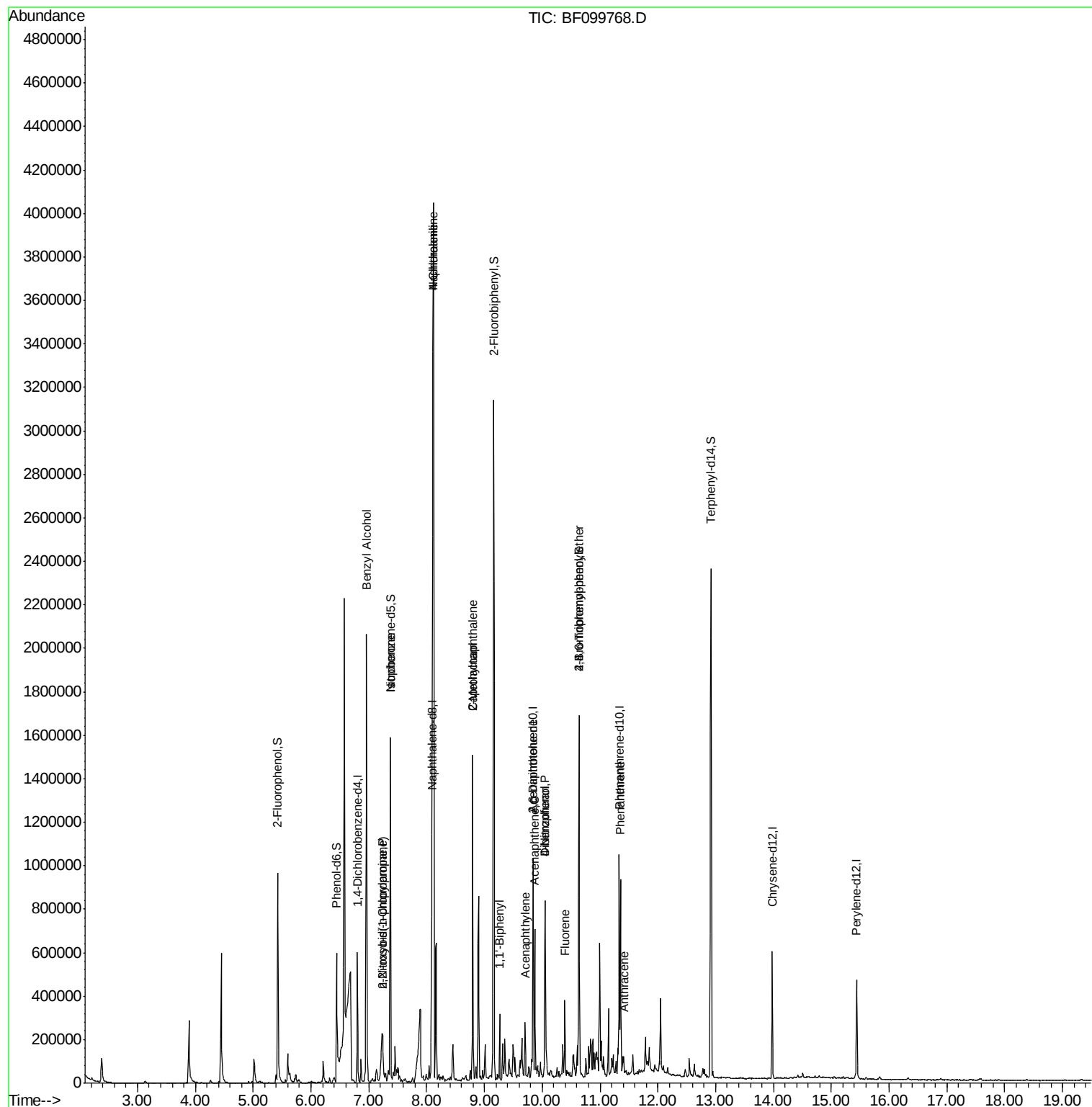
Target Compounds						Qvalue
15) Benzyl Alcohol	6.96	79	11381	2.28	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	7.24	45	15121	2.04	ng	67
19) n-Nitroso-di-n-propylamine	7.23	70	14160	3.08	ng	# 55
25) Isophorone	7.37	82	555377	46.63	ng	# 64
31) Naphthalene	8.12	128	2812847	137.89	ng	99
33) 4-Chloroaniline	8.12	127	389366	46.22	ng	# 33
35) Caprolactam	8.80	113	8330	4.57	ng	# 1
37) 2-Methylnaphthalene	8.80	142	397146	29.05	ng	99
45) 1,1'-Biphenyl	9.26	154	92643	5.04	ng	97
48) Acenaphthylene	9.70	152	91984	4.47	ng	98
50) 2,6-Dinitrotoluene	9.84	165	29377	8.68	ng	# 26
51) Acenaphthene	9.87	154	138863	11.05	ng	99
54) Dibenzofuran	10.05	168	289846	16.34	ng	98
55) 4-Nitrophenol	10.05	139	103776	49.83	ng	# 10
57) Fluorene	10.39	166	97348	6.63	ng	98
66) 4-Bromophenyl-phenylether	10.64	248	14279	3.91	ng	# 1
70) Phenanthrene	11.36	178	318168	16.24	ng	97
71) Anthracene	11.41	178	39995	2.01	ng	98

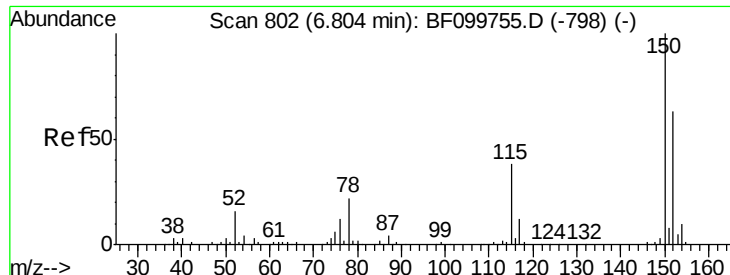
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
Data File : BF099768.D
Acq On : 23 Oct 2017 19:30
Operator : SJ/JU
Sample : I5950-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

Quant Time: Oct 23 23:30:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 15:08:33 2017
Response via : Initial Calibration



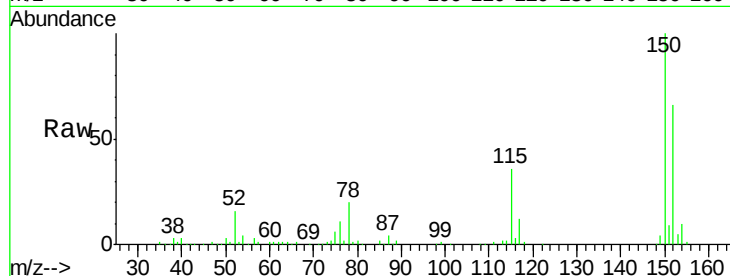


#1

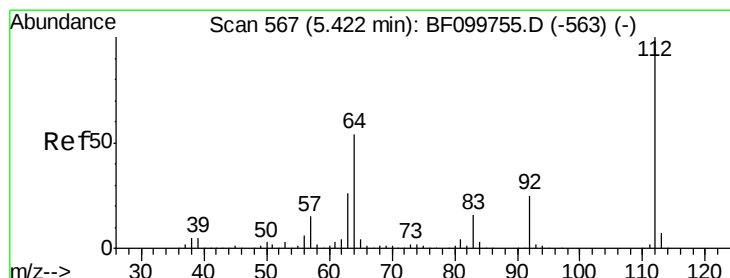
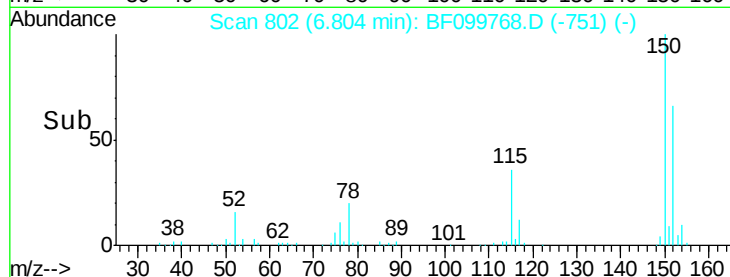
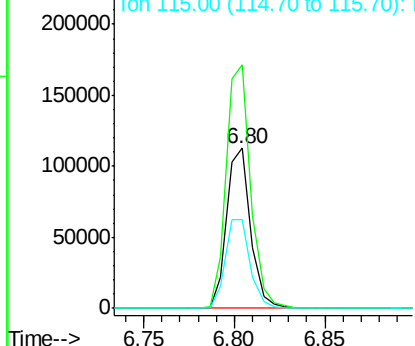
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

Tot Ion:152 Resp: 104041
Ion Ratio Lower Upper
152 100
150 151.9 124.6 186.8
115 55.4 50.1 75.1



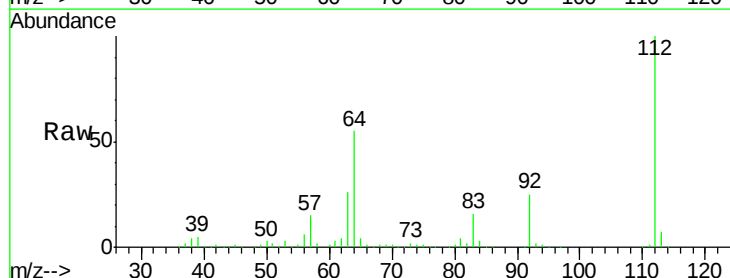
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



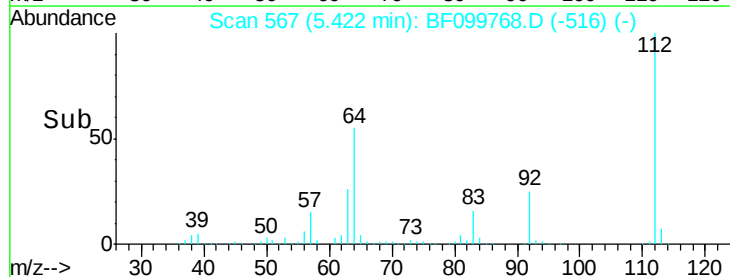
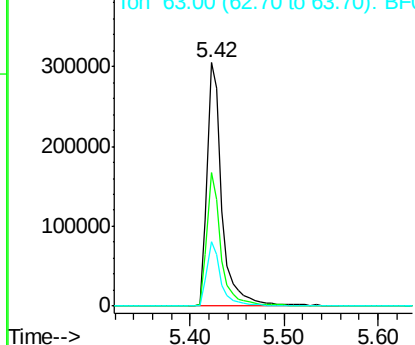
#5

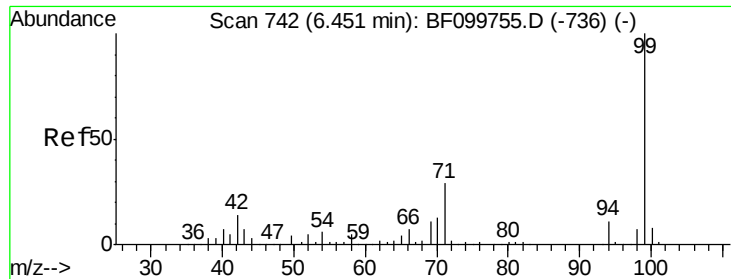
2-Fluorophenol
Concen: 51.54 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion:112 Resp: 341537
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 26.3 23.7 35.5



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





#7

Phenol-d6

Concen: 32.53 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

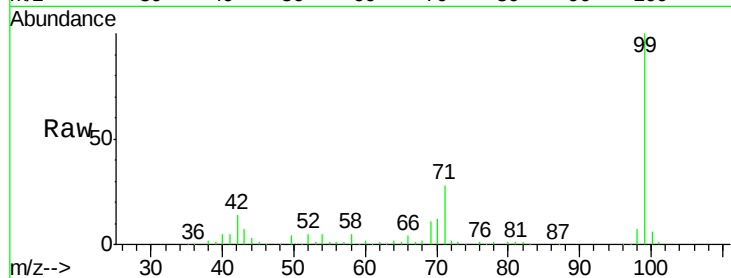
Tot Ion: 99 Resp: 255644

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

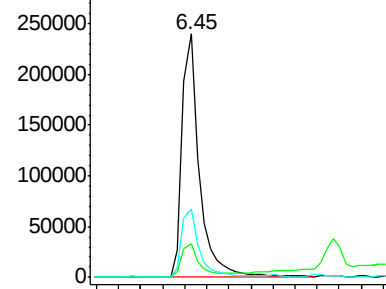
71 28.2 25.4 38.0



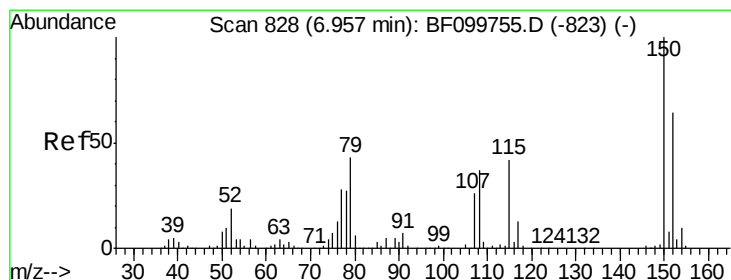
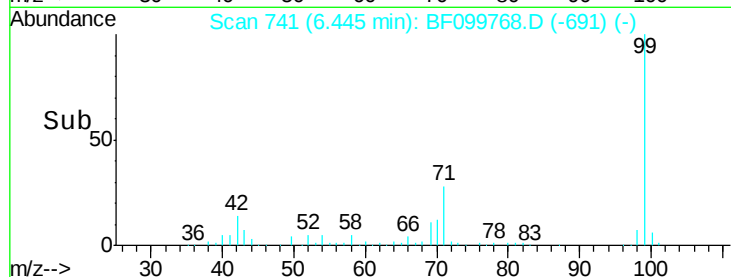
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 6.96 min Scan# 828

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

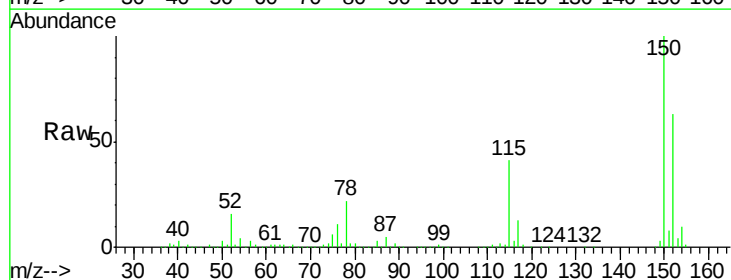
Tgt Ion: 79 Resp: 11381

Ion Ratio Lower Upper

79 100

108 27.6 65.1 97.7#

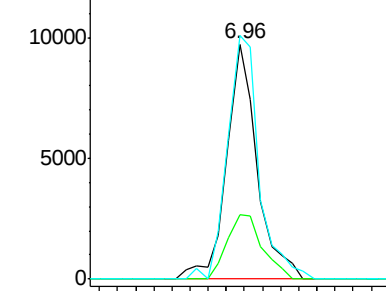
77 103.5 50.6 75.8#



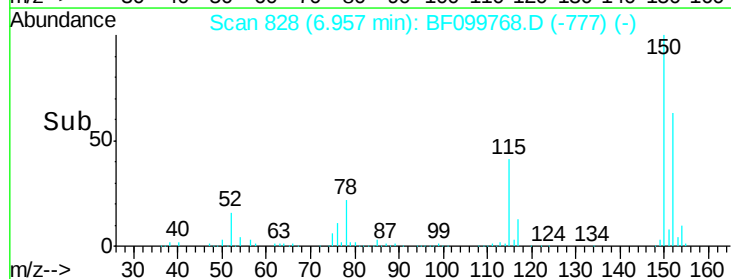
Abundance Ion 79.00 (78.70 to 79.70): BF0

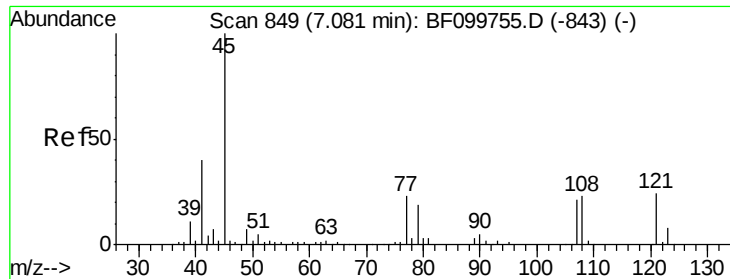
Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



Time-->

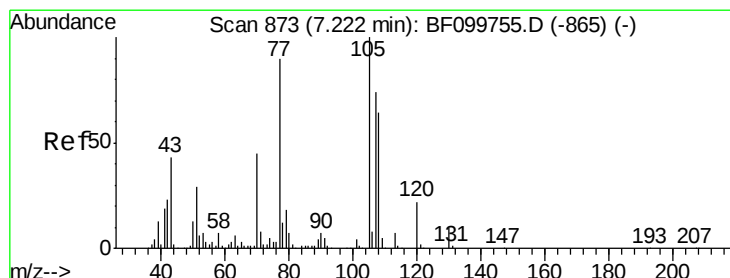
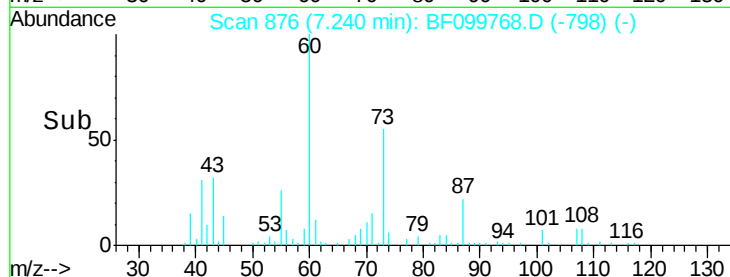
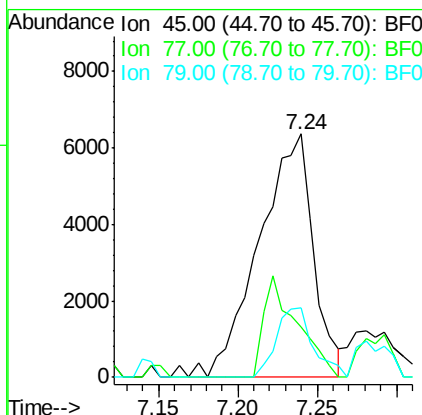
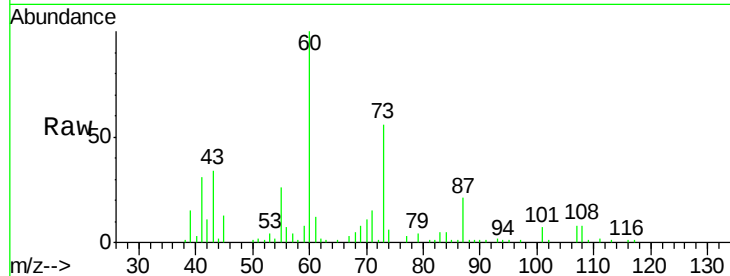




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.04 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.16 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

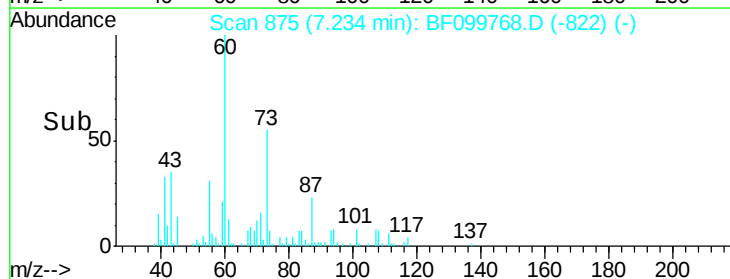
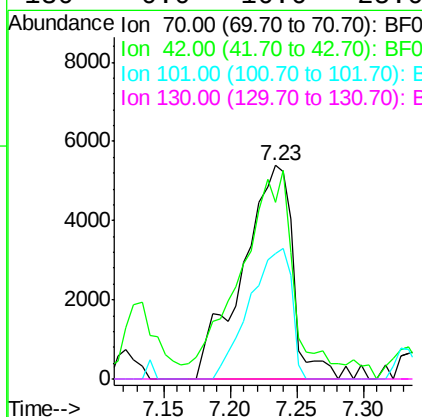
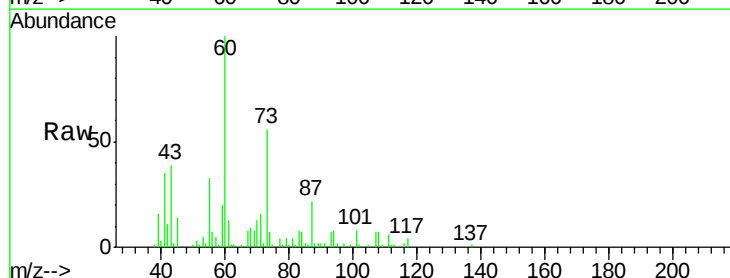
Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

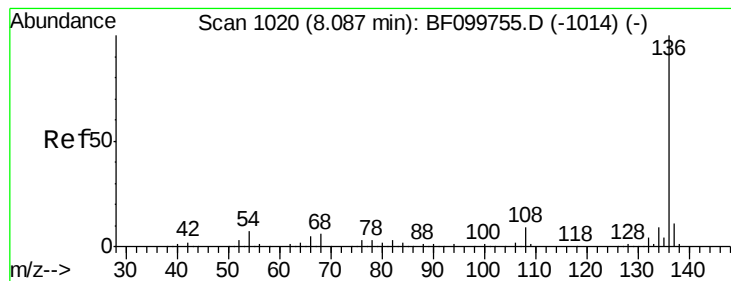
Tot Ion: 45 Resp: 15121
Ion Ratio Lower Upper
45 100
77 20.4 0.0 32.9
79 28.5 0.0 29.6



#19
n-Nitroso-di-n-propylamine
Concen: 3.08 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.01 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion: 70 Resp: 14160
Ion Ratio Lower Upper
70 100
42 82.8 47.5 71.3#
101 59.0 7.4 11.2#
130 0.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

Tot Ion:136 Resp: 422606

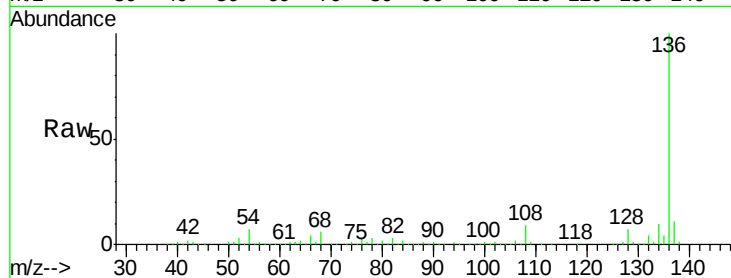
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 5.8 5.0 7.4

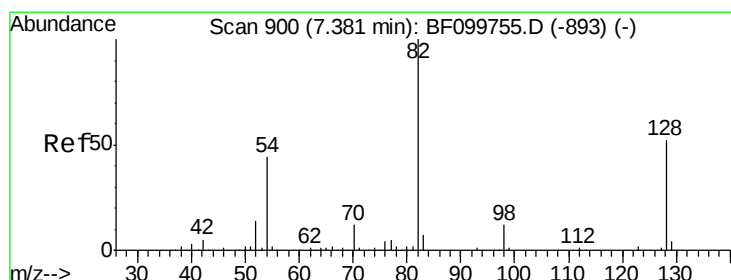
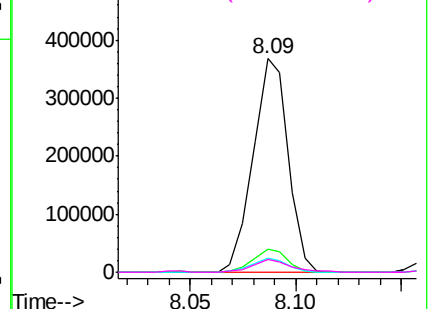
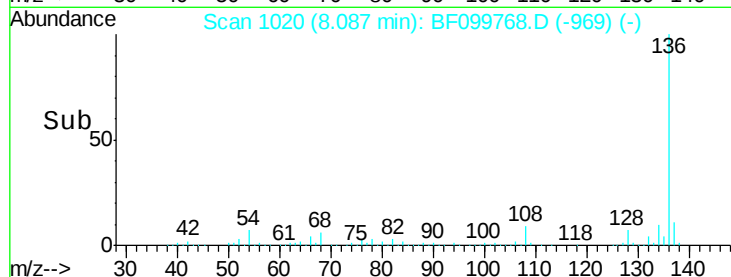


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.98 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

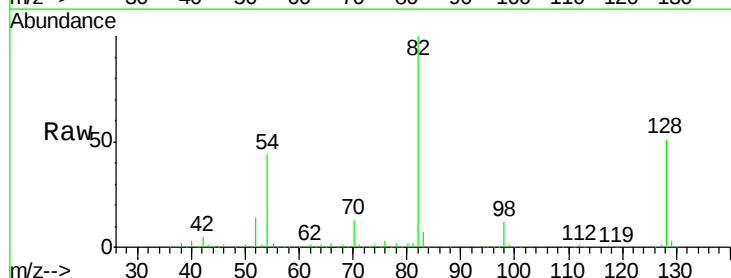
Tgt Ion: 82 Resp: 557854

Ion Ratio Lower Upper

82 100

128 50.5 36.1 54.1

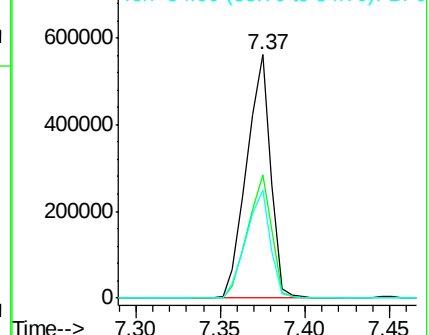
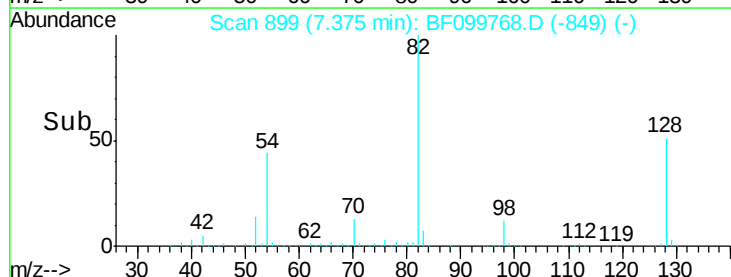
54 44.3 41.4 62.2

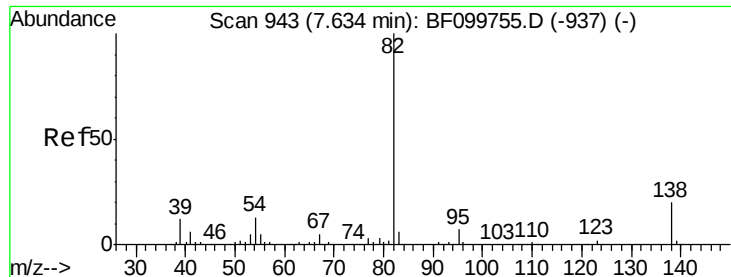


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.63 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

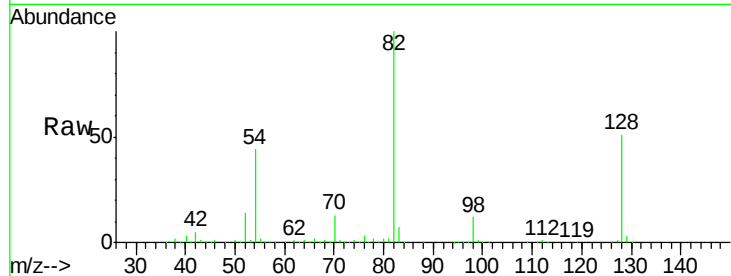
Tot Ion: 82 Resp: 555377

Ion Ratio Lower Upper

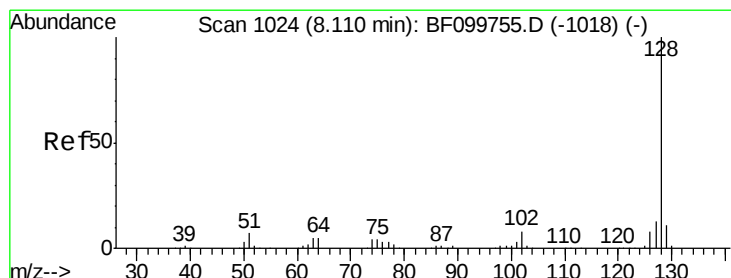
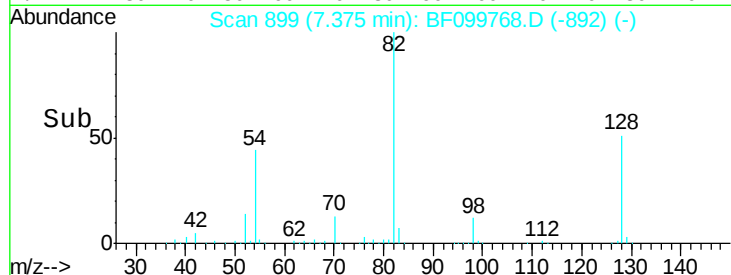
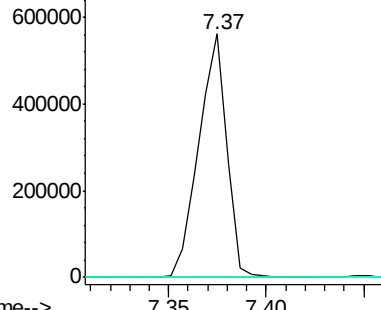
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 137.89 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

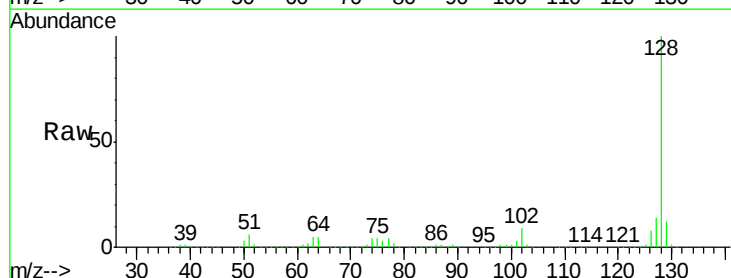
Tgt Ion: 128 Resp: 2812847

Ion Ratio Lower Upper

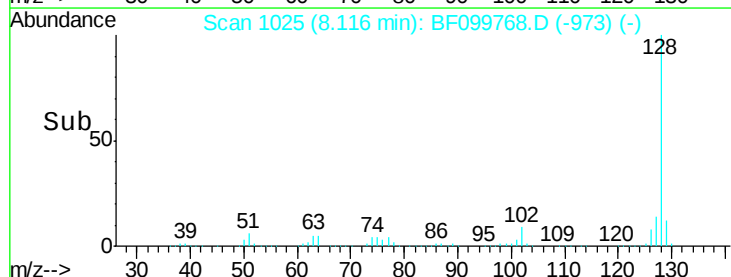
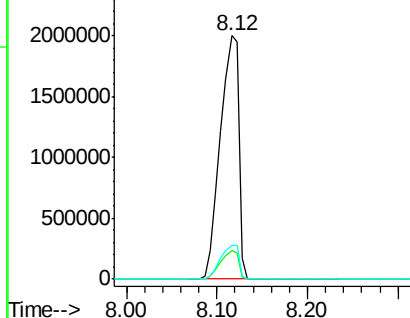
128 100

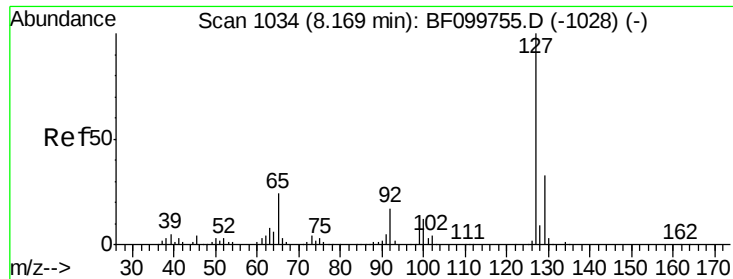
129 11.7 8.8 13.2

127 14.1 10.9 16.3



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

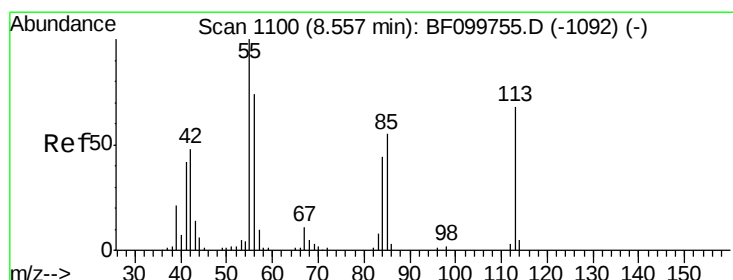
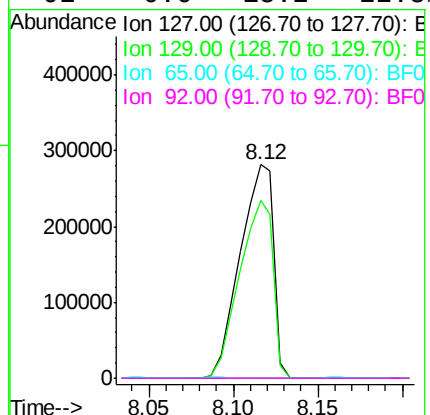
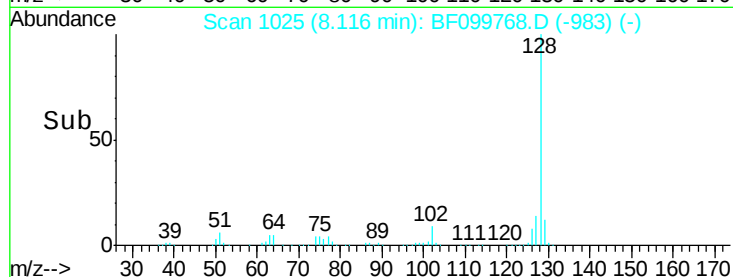
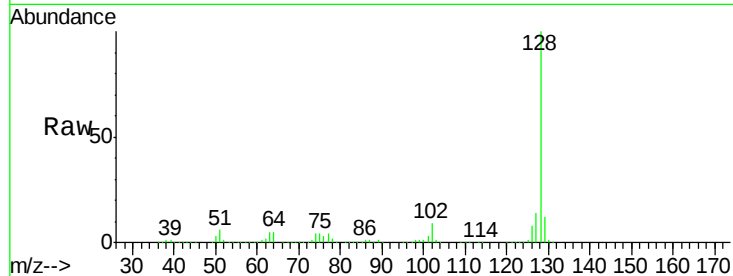




#33
4-Chloroaniline
Concen: 46.22 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

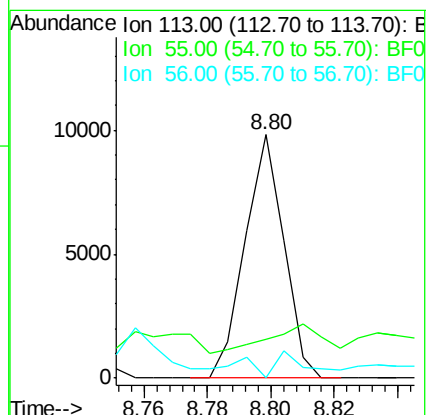
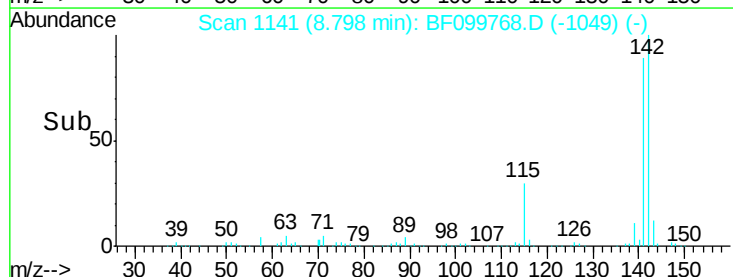
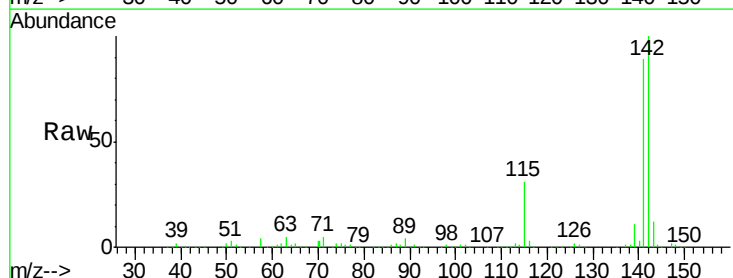
Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

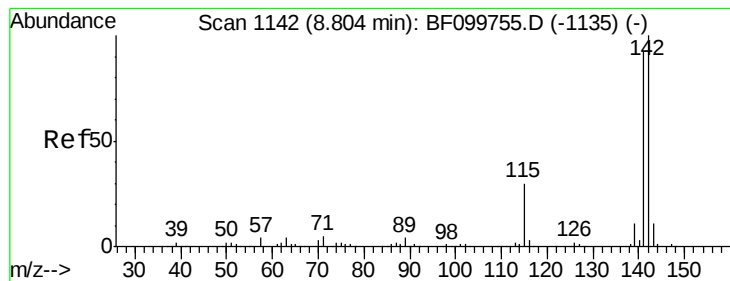
Tot Ion	Ratio	Lower	Upper
127	100		
129	83.1	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#35
Caprolactam
Concen: 4.57 ng
RT: 8.80 min Scan# 1141
Delta R.T. 0.24 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion	Ratio	Lower	Upper
113	100		
55	16.1	163.3	203.3#
56	0.0	115.7	155.7#





#37

2-Methylnaphthalene

Concen: 29.05 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

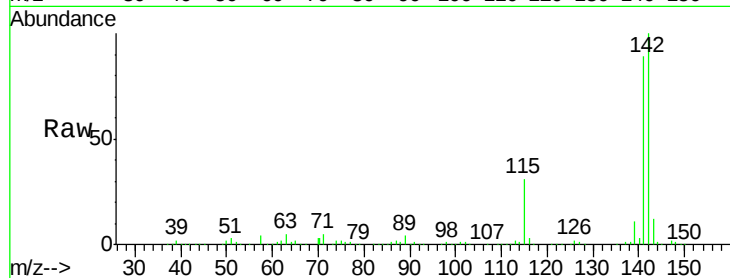
Tot Ion:142 Resp: 397146

Ion Ratio Lower Upper

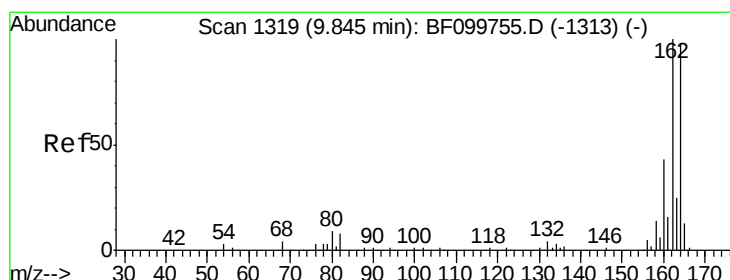
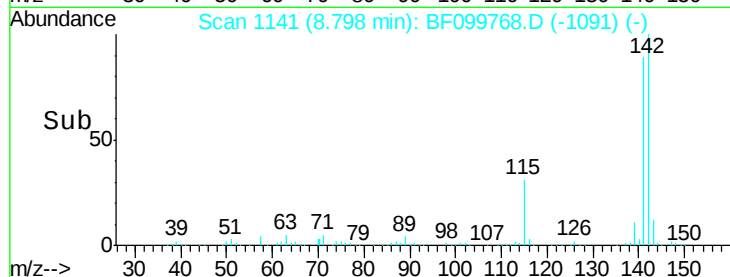
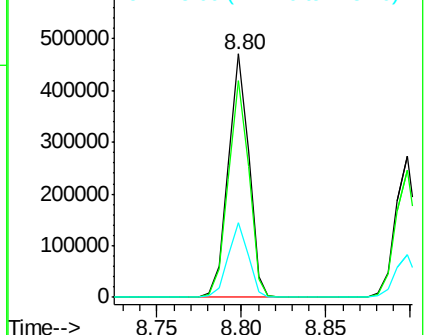
142 100

141 88.9 70.8 106.2

115 30.6 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

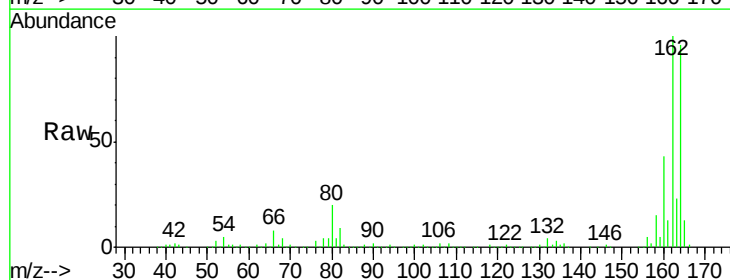
Tgt Ion:164 Resp: 203202

Ion Ratio Lower Upper

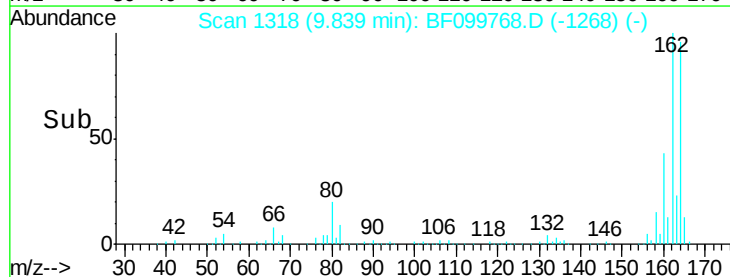
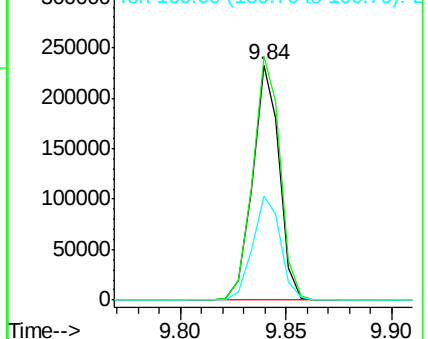
164 100

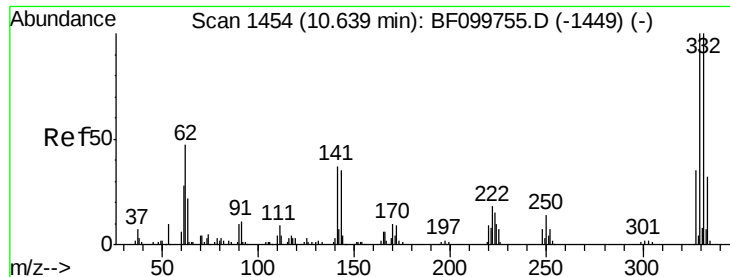
162 103.6 86.1 129.1

160 44.2 38.3 57.5



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





#41

2,4,6-Tribromophenol

Concen: 119.57 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

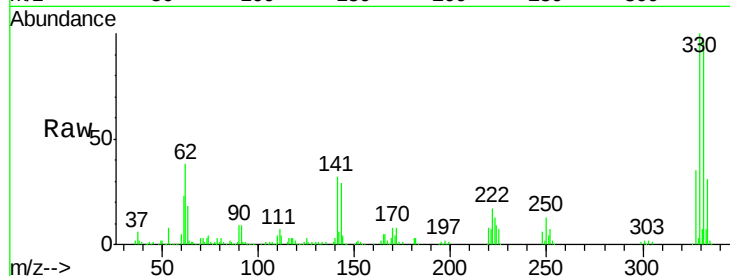
Tot Ion:330 Resp: 221422

Ion Ratio Lower Upper

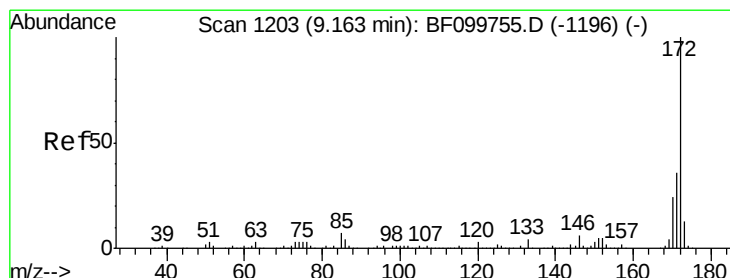
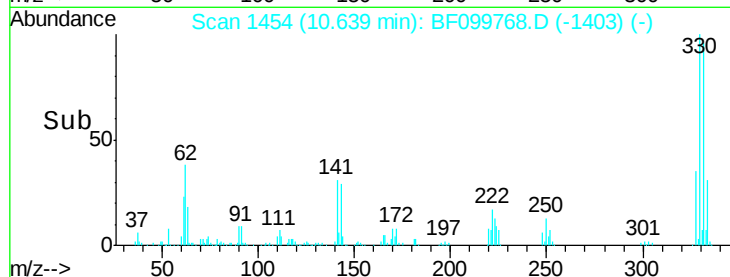
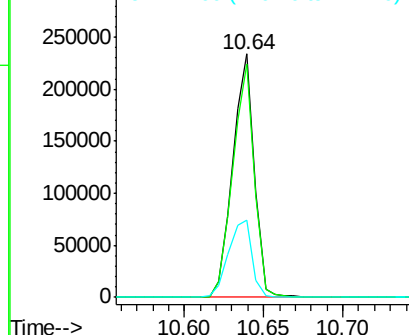
330 100

332 95.9 77.0 115.6

141 35.3 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 85.85 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

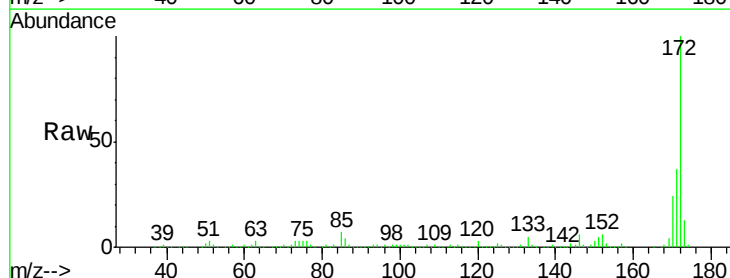
Tgt Ion:172 Resp: 1130656

Ion Ratio Lower Upper

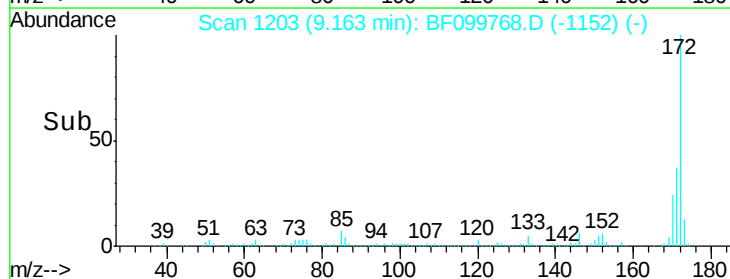
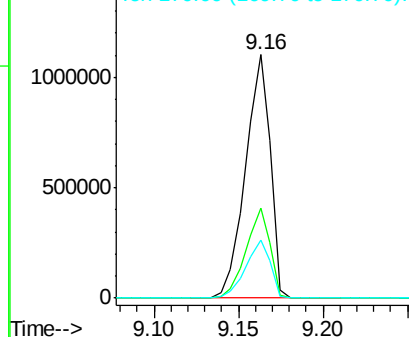
172 100

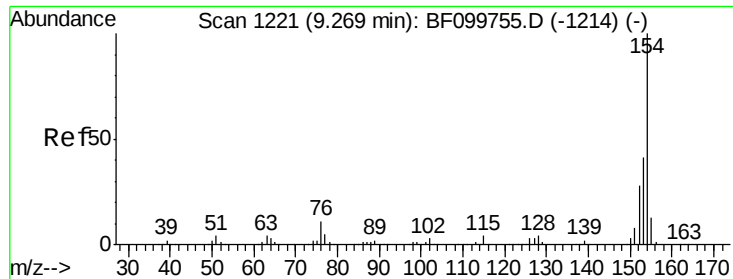
171 36.9 29.7 44.5

170 23.6 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

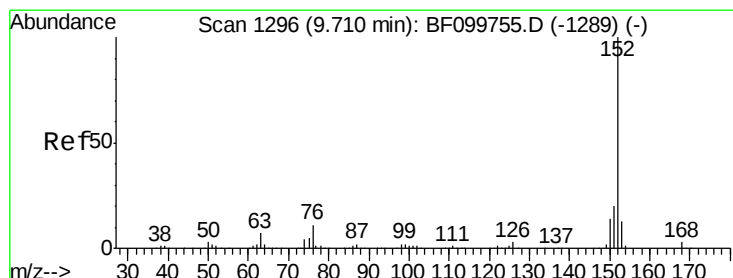
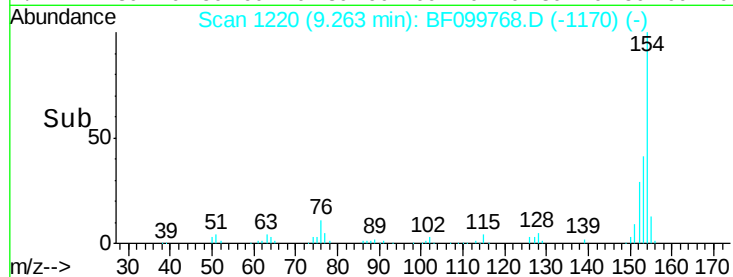
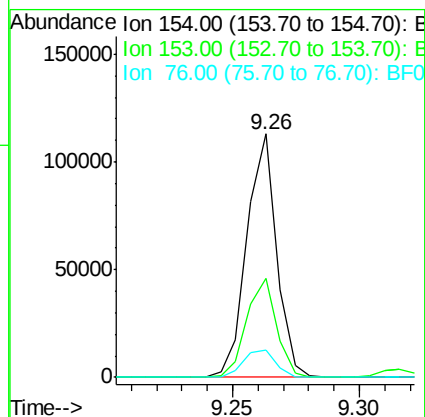
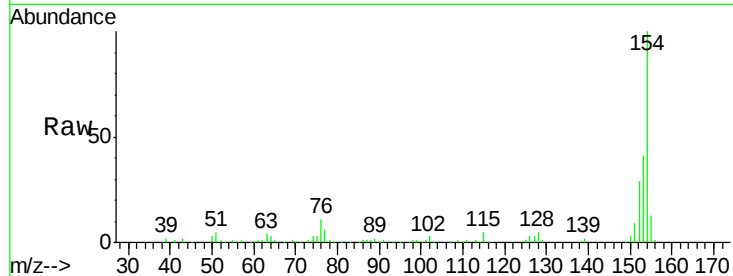




#45
1,1'-Biphenyl
Concen: 5.04 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.01 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

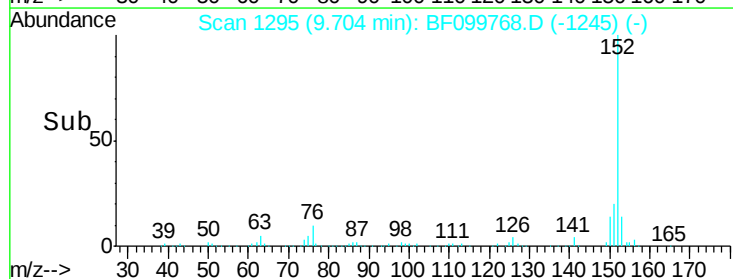
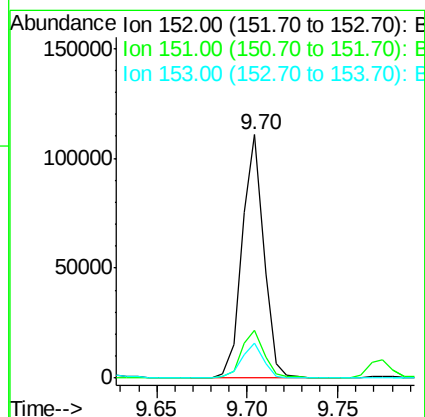
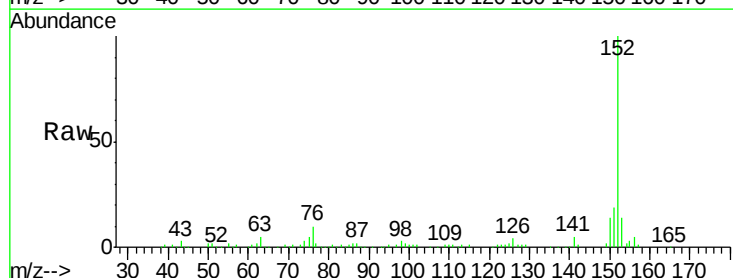
Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

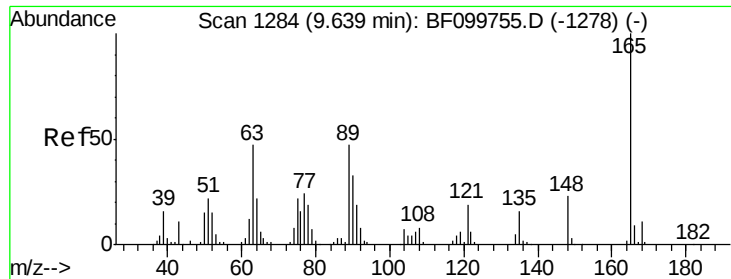
Tot Ion:154 Resp: 92643
Ion Ratio Lower Upper
154 100
153 40.6 21.3 61.3
76 11.2 0.0 34.0



#48
Acenaphthylene
Concen: 4.47 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion:152 Resp: 91984
Ion Ratio Lower Upper
152 100
151 19.5 16.3 24.5
153 14.3 10.7 16.1

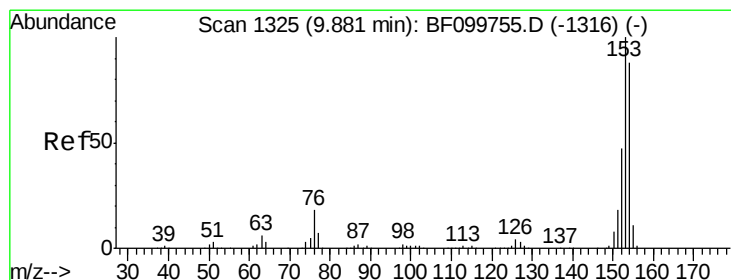
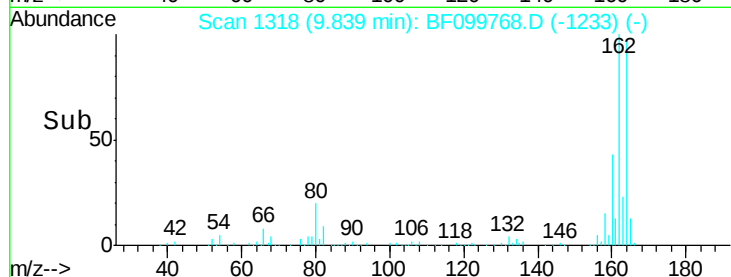
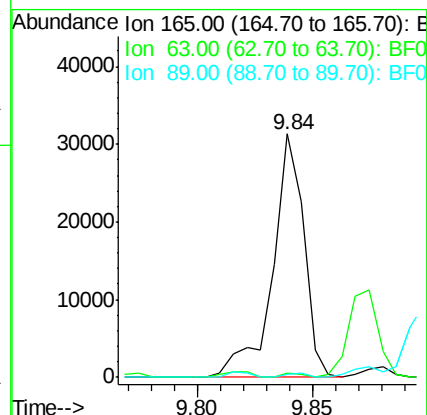
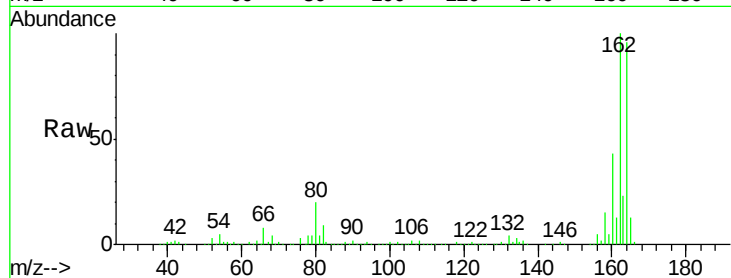




#50
 2,6-Dinitrotoluene
 Concen: 8.68 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

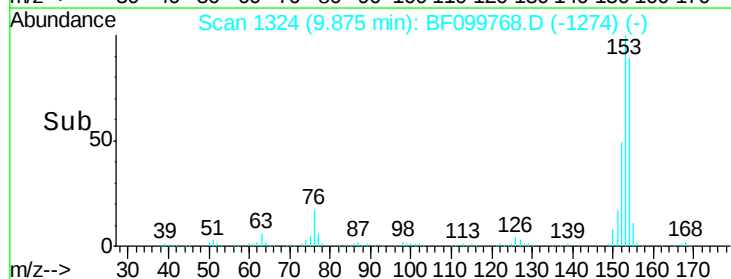
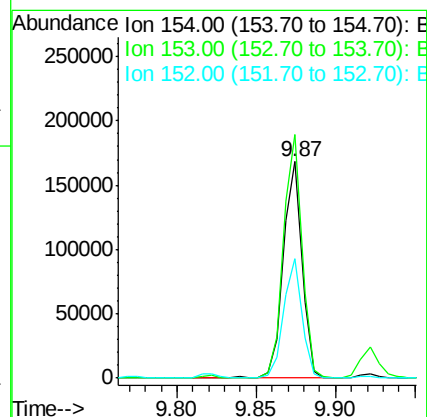
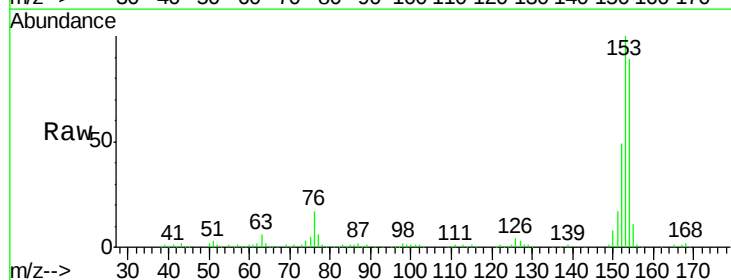
Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

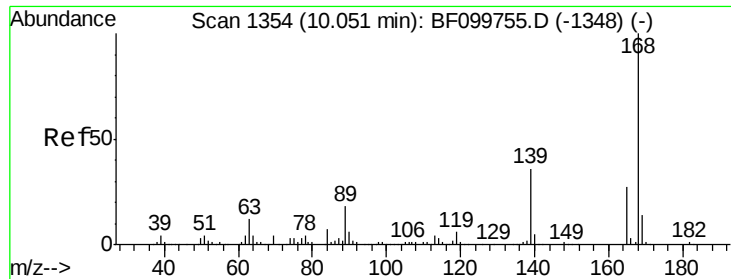
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.3	44.0	66.0#



#51
 Acenaphthene
 Concen: 11.05 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.2	136.8
152	55.2	43.8	65.8

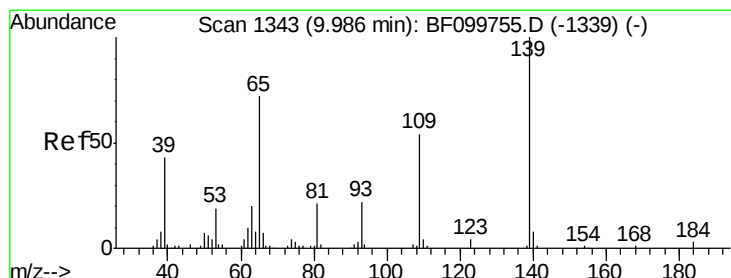
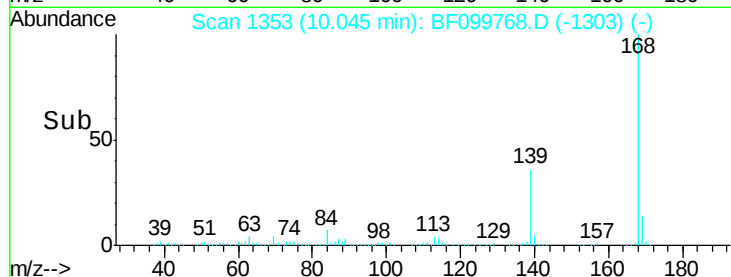
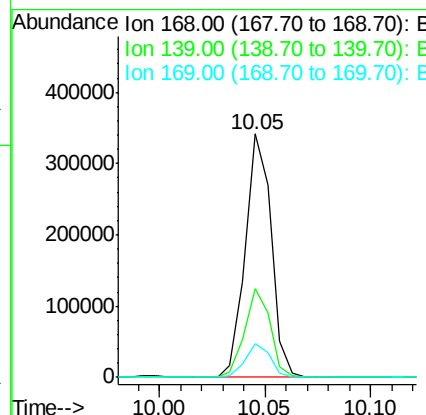
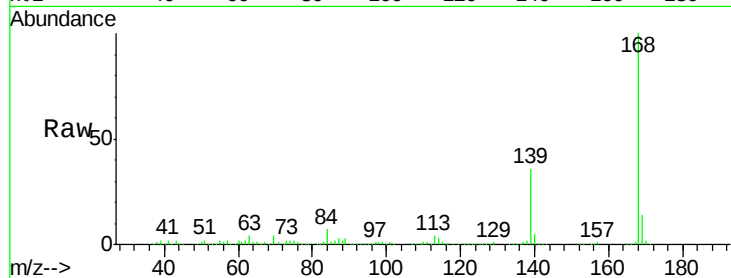




#54
Dibenzofuran
Concen: 16.34 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

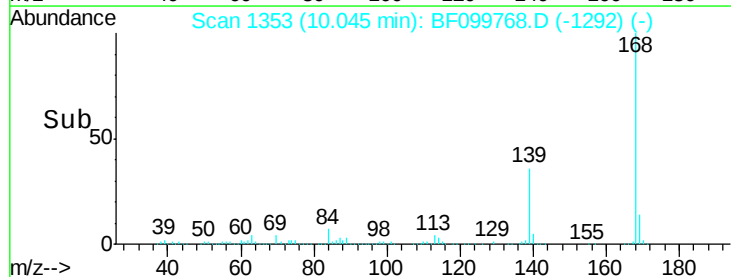
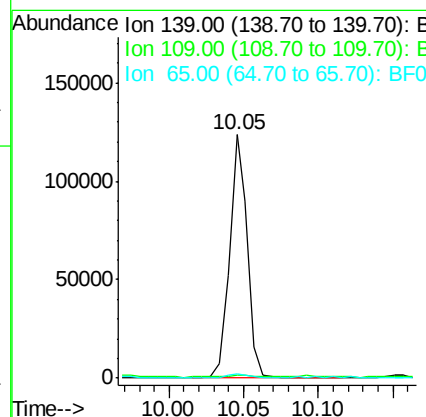
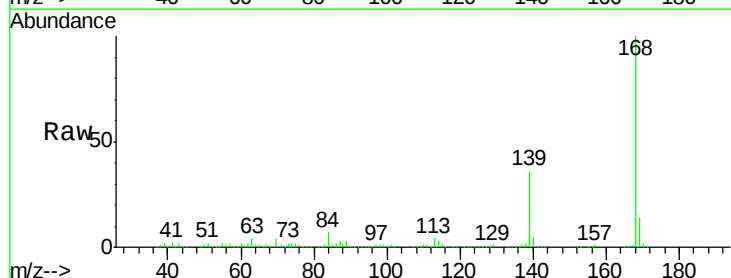
Instrument :
BNA_F
ClientSampleId :
20170723-C-A-COMP2

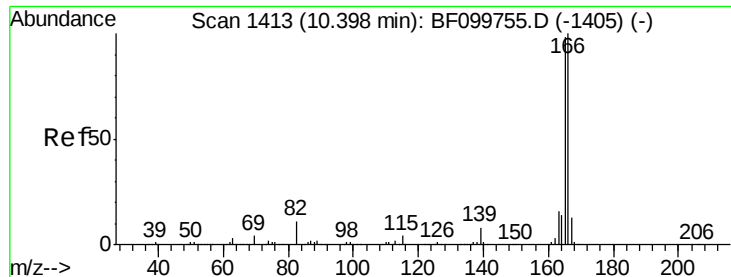
Tot Ion:168 Resp: 289846
Ion Ratio Lower Upper
168 100
139 36.2 30.1 45.1
169 13.8 10.9 16.3



#55
4-Nitrophenol
Concen: 49.83 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.06 min
Lab File: BF099768.D
Acq: 23 Oct 2017 19:30

Tgt Ion:139 Resp: 103776
Ion Ratio Lower Upper
139 100
109 1.3 48.4 88.4#
65 1.5 72.6 112.6#





#57

Fluorene

Concen: 6.63 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

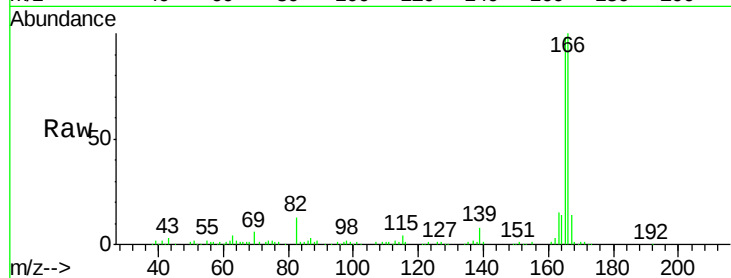
BNA_F

ClientSampleId :

20170723-C-A-COMP2

Tot Ion:166 Resp: 97348

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	14.3	10.6	16.0

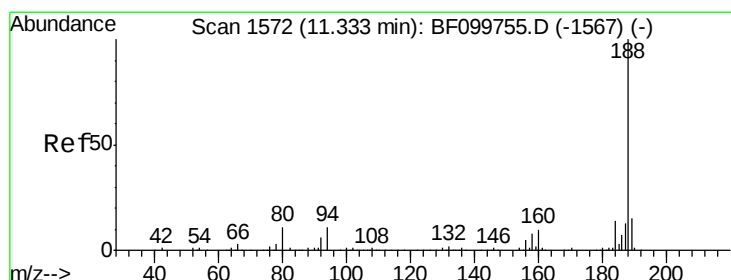
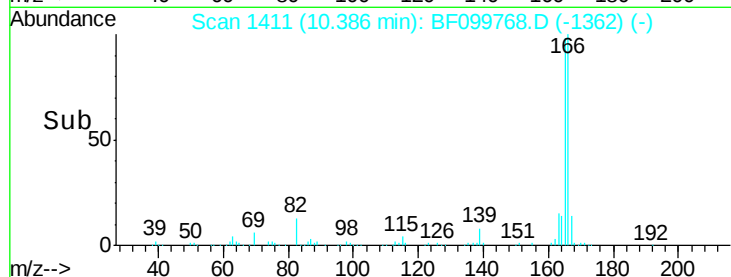
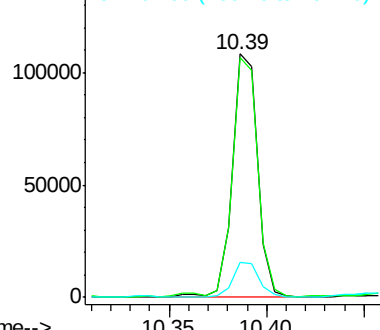


Abundance

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 1572

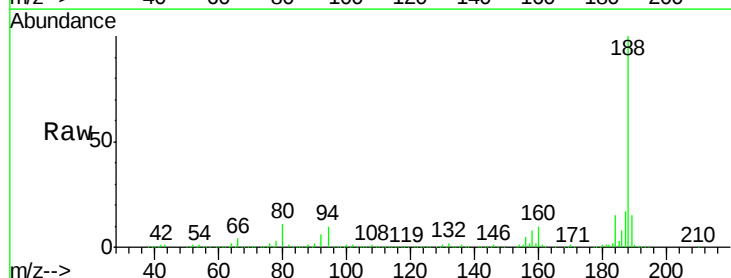
Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Tgt Ion:188 Resp: 347133

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.8	9.2	13.8

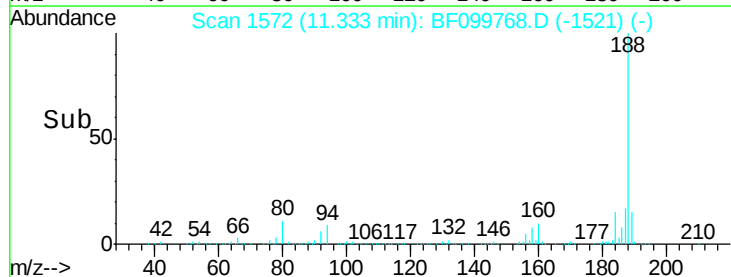
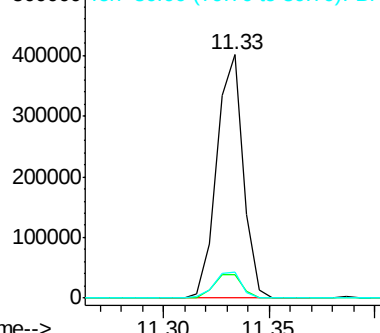


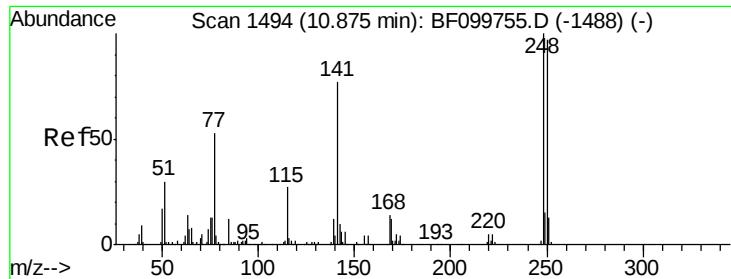
Abundance

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

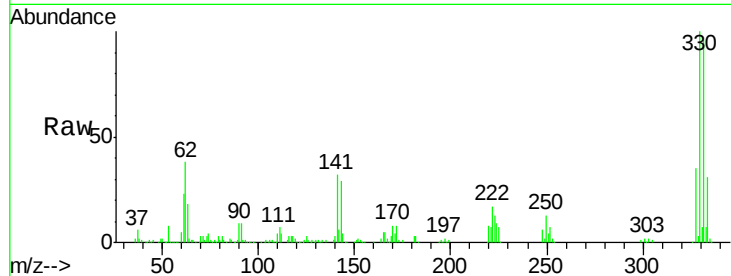




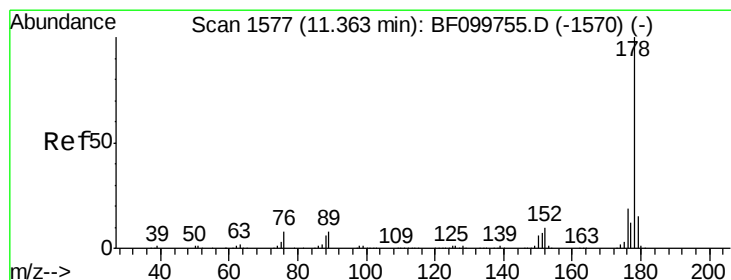
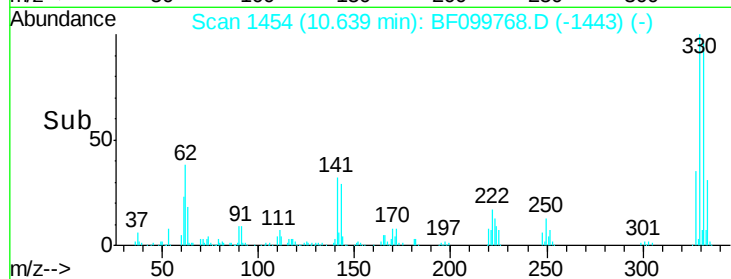
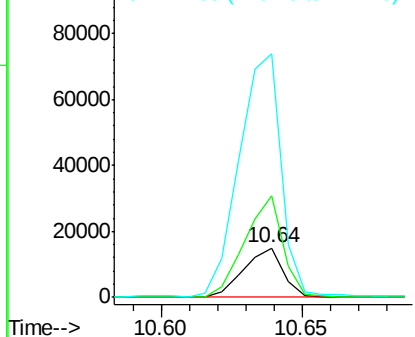
#66
 4-Bromophenyl-phenylether
 Concen: 3.91 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Tot Ion	Ratio	Lower	Upper
248	100		
250	204.0	76.9	115.3#
141	491.9	74.4	111.6#

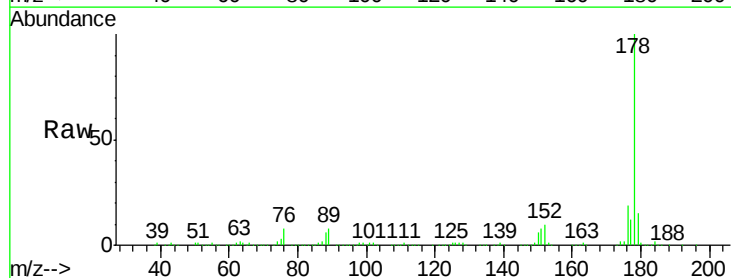


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

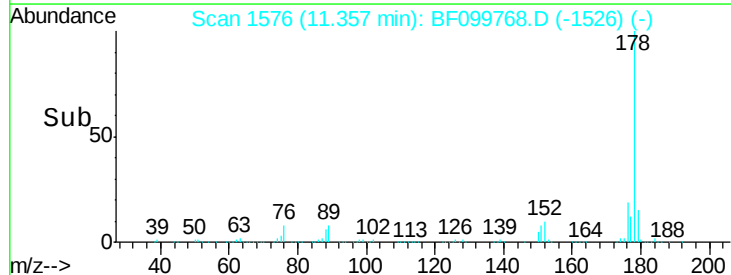
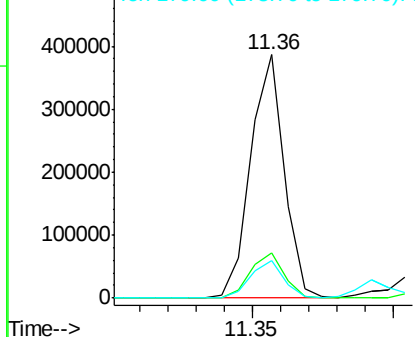


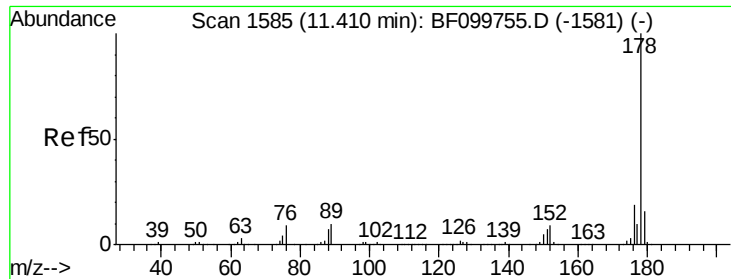
#70
 Phenanthrene
 Concen: 16.24 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.2	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: 2.01 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

Instrument :

BNA_F

ClientSampleId :

20170723-C-A-COMP2

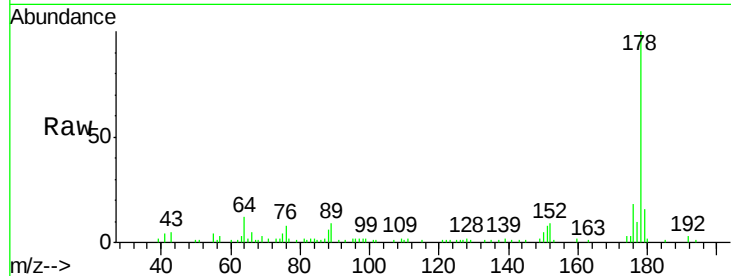
Tot Ion:178 Resp: 39995

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

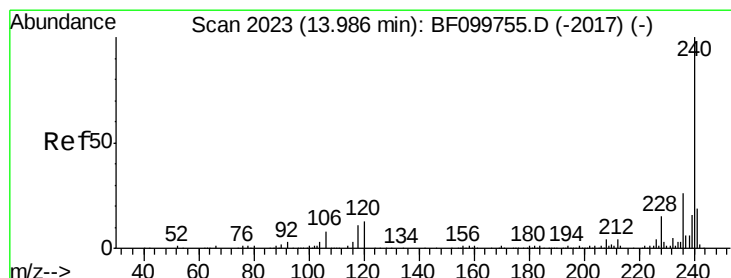
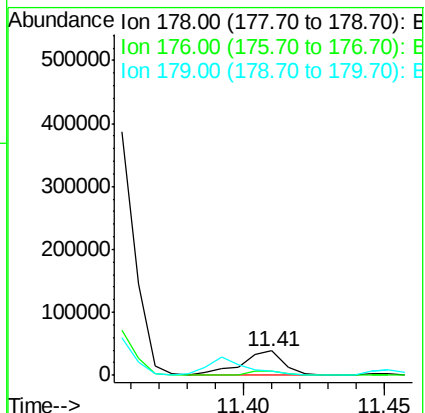
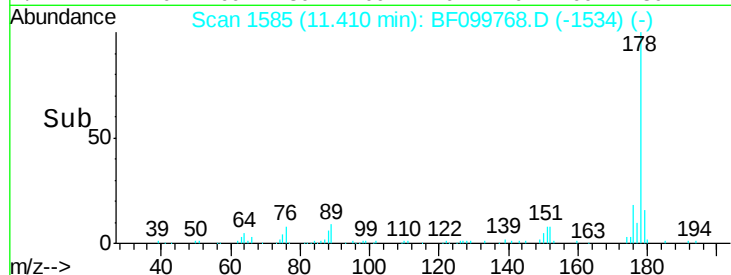
179 16.2 12.6 19.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF099768.D

Acq: 23 Oct 2017 19:30

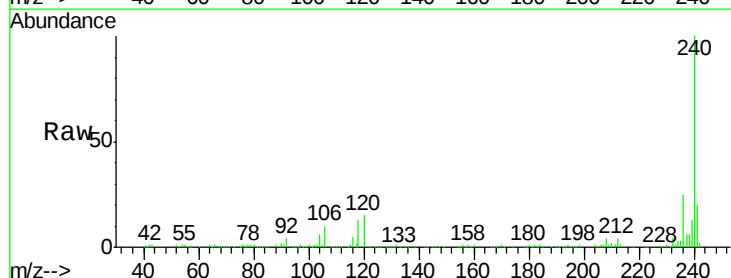
Tgt Ion:240 Resp: 187867

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

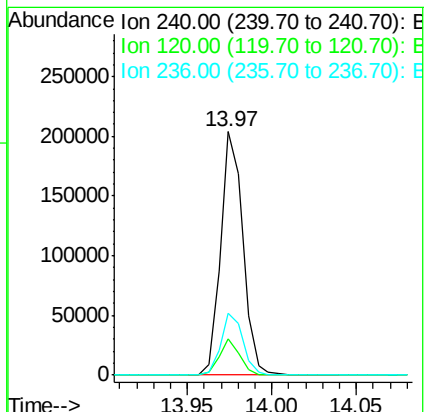
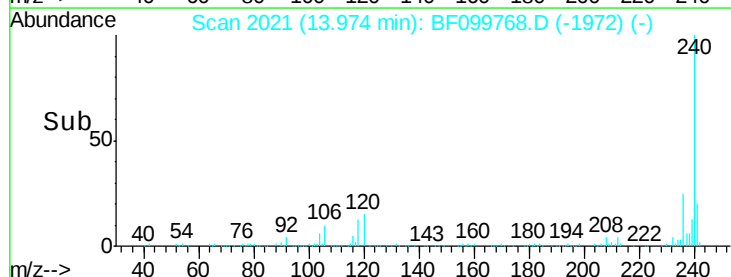
236 25.5 20.7 31.1

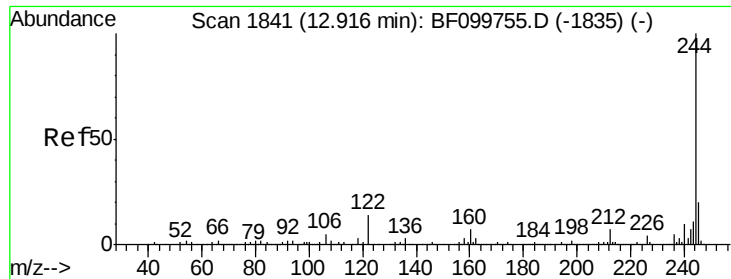


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

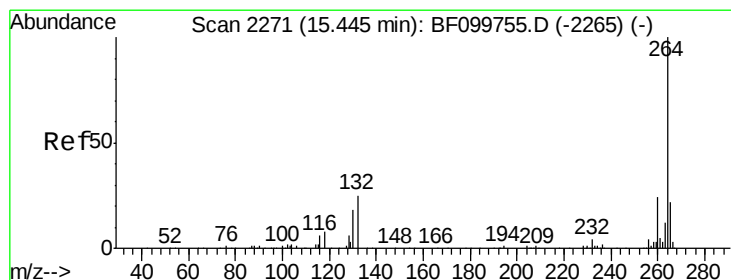
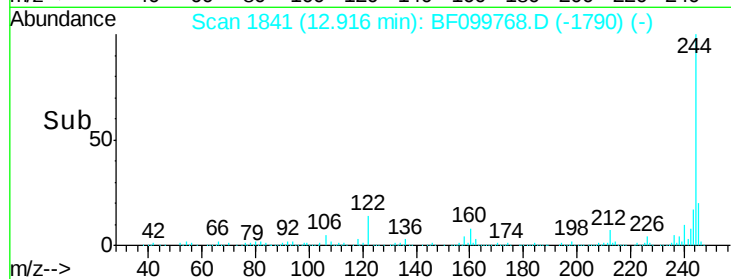
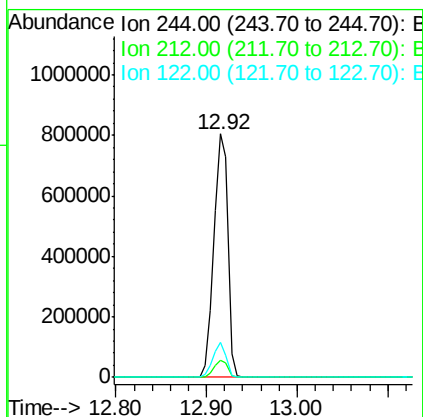
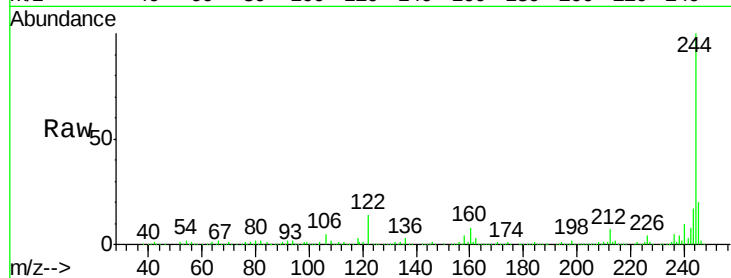




#78
 Terphenyl-d14
 Concen: 100.17 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 20170723-C-A-COMP2

Tot Ion:244 Resp: 861122
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 14.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF099768.D
 Acq: 23 Oct 2017 19:30

Tgt Ion:264 Resp: 192076
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 21.8 17.5 26.3

