

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099770.D
 Acq On : 23 Oct 2017 20:26
 Operator : SJ/JU
 Sample : I5950-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20170725-PA-A-COMP1

Quant Time: Oct 23 23:31:35 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	99961	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	424656	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	205271	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	345115	20.00	ng	0.00
75) Chrysene-d12	13.97	240	180713	20.00	ng	-0.01
86) Perylene-d12	15.44	264	188226	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	426844	67.04	ng	0.00
7) Phenol-d6	6.44	99	322594	42.73	ng	-0.01
23) Nitrobenzene-d5	7.37	82	623321	94.50	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	237545	126.98	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1236765	92.96	ng	0.00
78) Terphenyl-d14	12.92	244	906935	109.68	ng	0.00

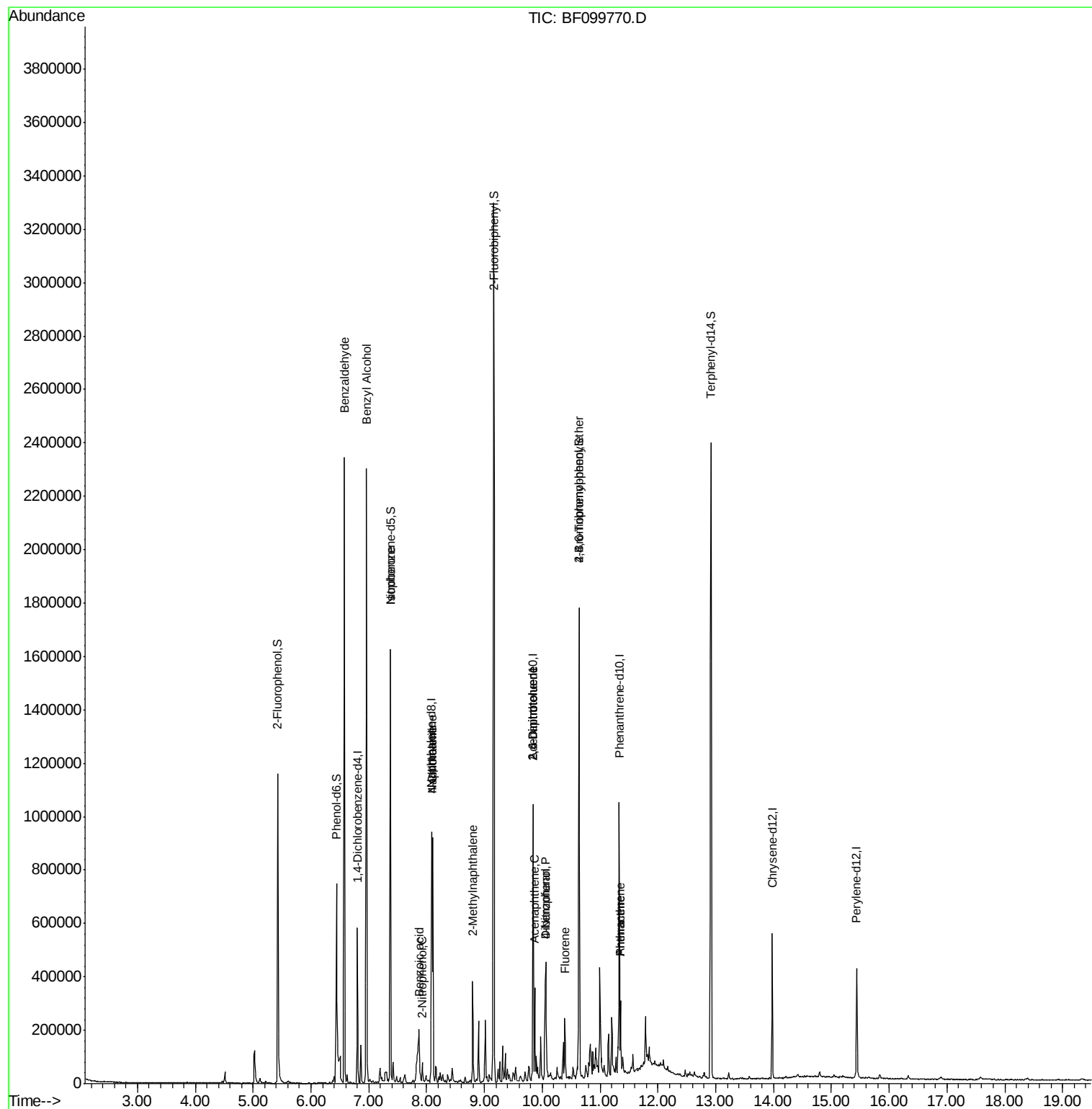
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	12956	2.87	ng	86
15) Benzyl Alcohol	6.96	79	18546	3.86	ng	# 67
25) Isophorone	7.37	82	623391	52.08	ng	# 64
26) 2-Nitrophenol	7.93	139	7779	2.04	ng	# 34
31) Naphthalene	8.10	128	433525	21.15	ng	99
32) Benzoic acid	7.88	122	11738	2.38	ng	87
33) 4-Chloroaniline	8.10	127	56969	6.73	ng	# 33
37) 2-Methylnaphthalene	8.80	142	99216	7.22	ng	97
50) 2,6-Dinitrotoluene	9.84	165	26980	7.90	ng	# 25
51) Acenaphthene	9.87	154	62122	4.89	ng	98
54) Dibenzofuran	10.05	168	97967	5.47	ng	98
55) 4-Nitrophenol	10.05	139	35128	16.70	ng	# 10
56) 2,4-Dinitrotoluene	9.84	165	26980	6.56	ng	# 23
57) Fluorene	10.39	166	59608	4.02	ng	98
66) 4-Bromophenyl-phenylether	10.64	248	15990	4.40	ng	# 1
70) Phenanthrene	11.36	178	97796	5.02	ng	98
71) Anthracene	11.36	178	97796	4.95	ng	99

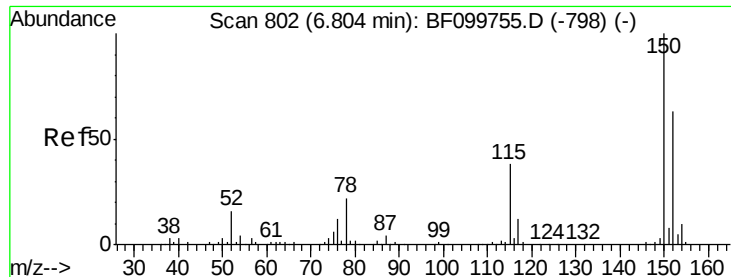
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
Data File : BF099770.D
Acq On : 23 Oct 2017 20:26
Operator : SJ/JU
Sample : I5950-12
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

Quant Time: Oct 23 23:31:35 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



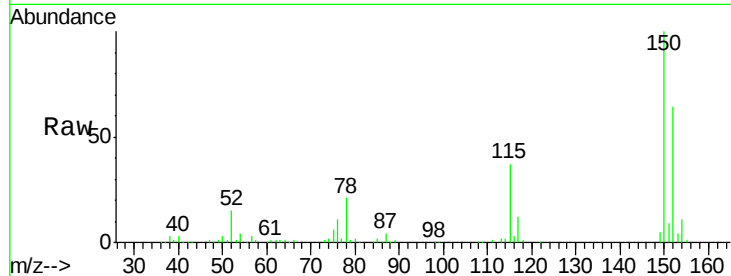


#1

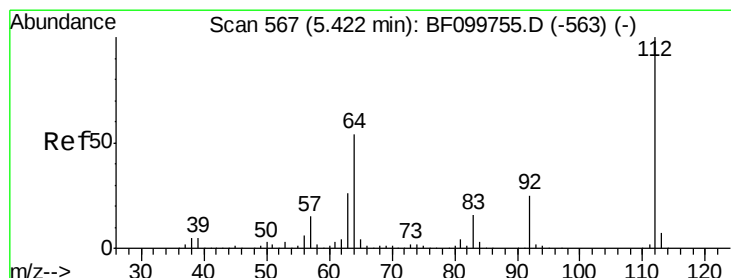
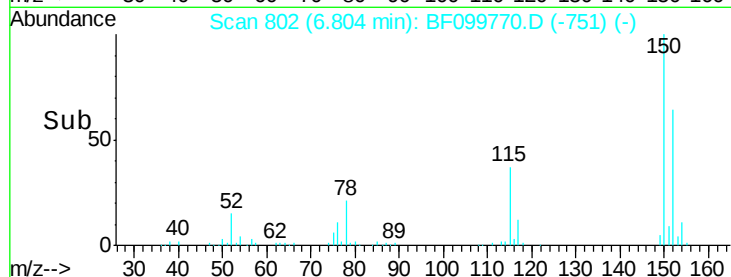
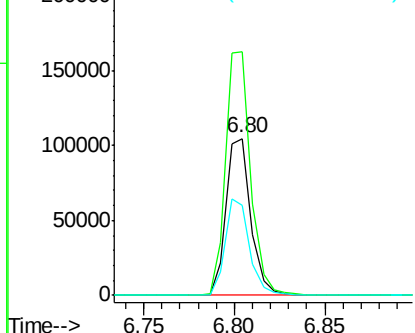
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

Tot Ion:152 Resp: 99961
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 57.1 50.1 75.1



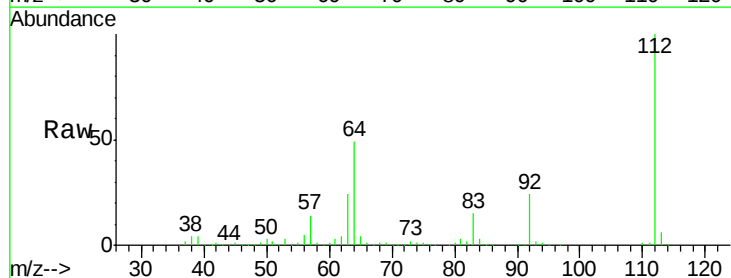
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



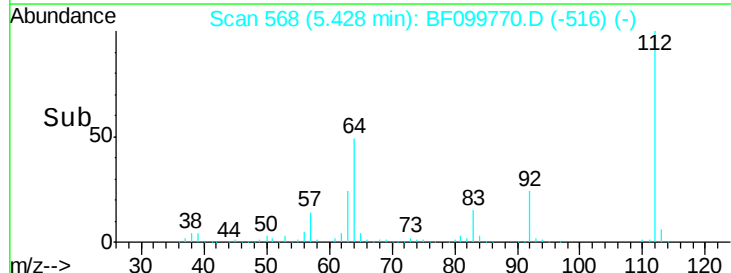
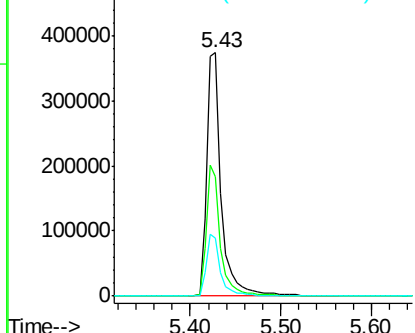
#5

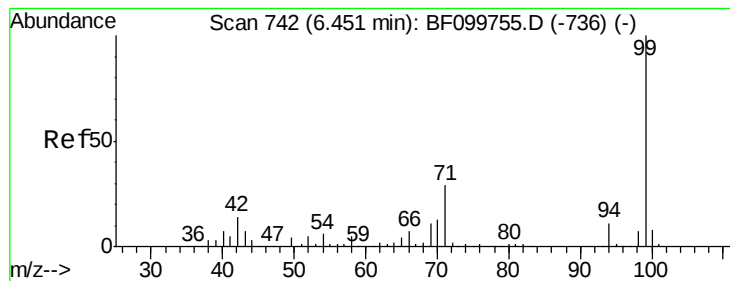
2-Fluorophenol
Concen: 67.04 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion:112 Resp: 426844
Ion Ratio Lower Upper
112 100
64 49.3 47.9 71.9
63 23.9 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: 42.73 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF099770.D

Acq: 23 Oct 2017 20:26

Instrument :

BNA_F

ClientSampleId :

20170725-PA-A-COMP1

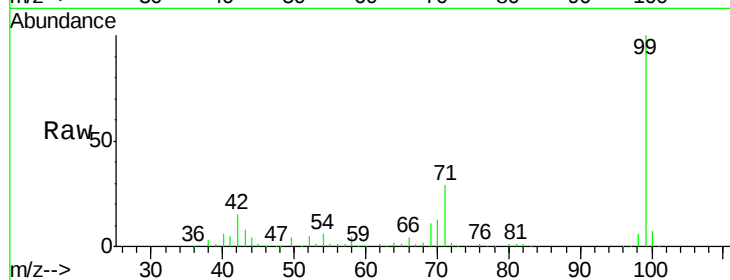
Tot Ion: 99 Resp: 322594

Ion Ratio Lower Upper

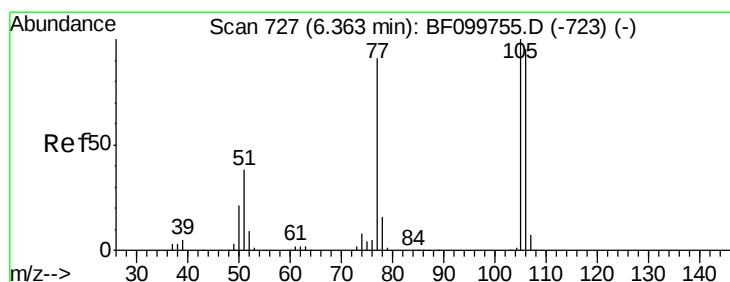
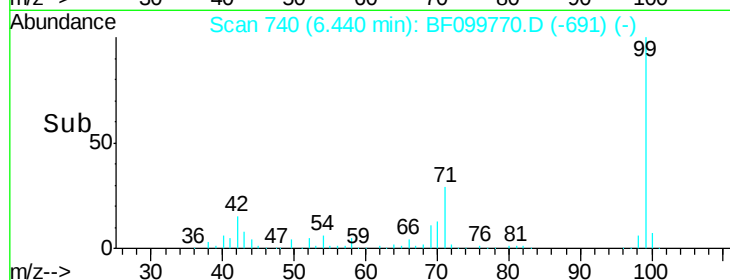
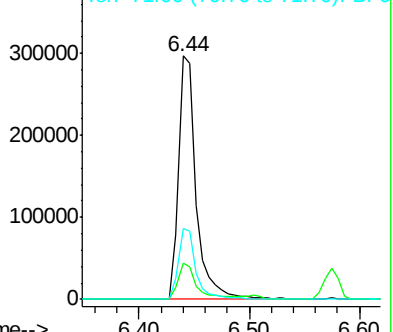
99 100

42 14.6 14.5 21.7

71 29.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.87 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099770.D

Acq: 23 Oct 2017 20:26

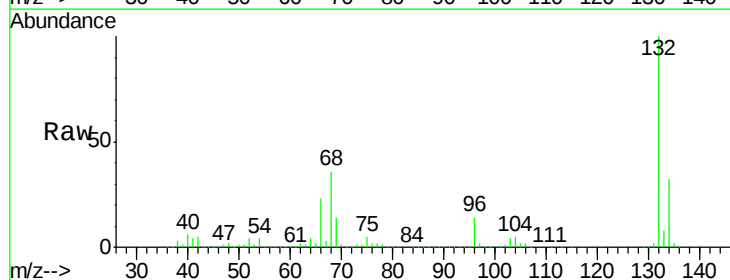
Tgt Ion: 77 Resp: 12956

Ion Ratio Lower Upper

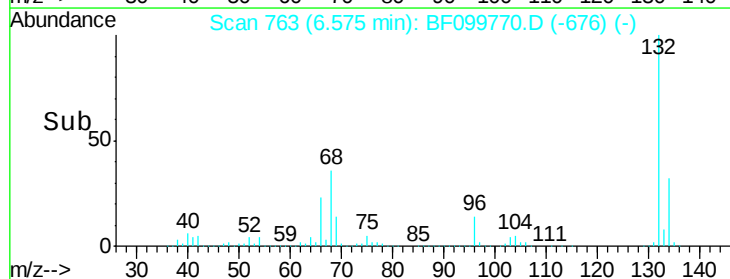
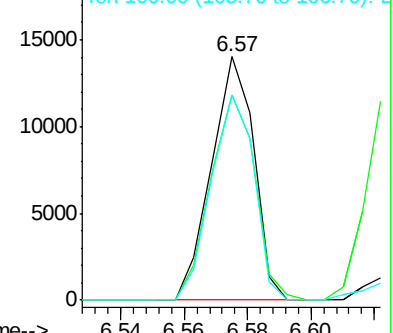
77 100

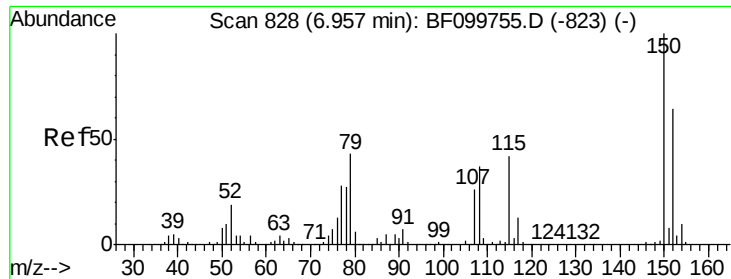
105 84.1 81.1 121.1

106 84.3 74.5 114.5



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

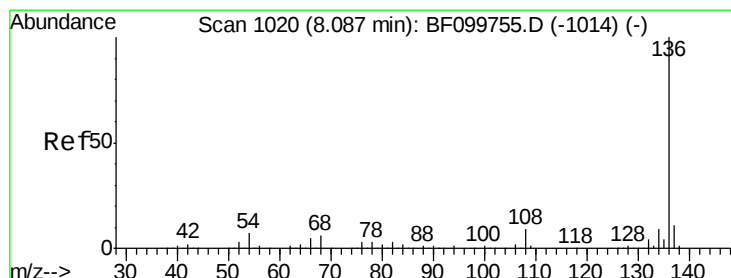
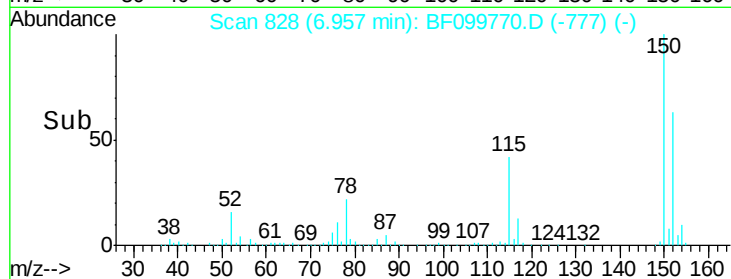
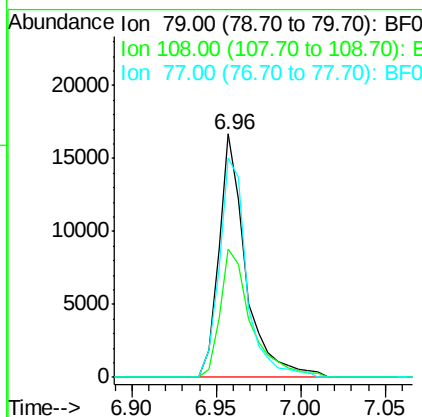
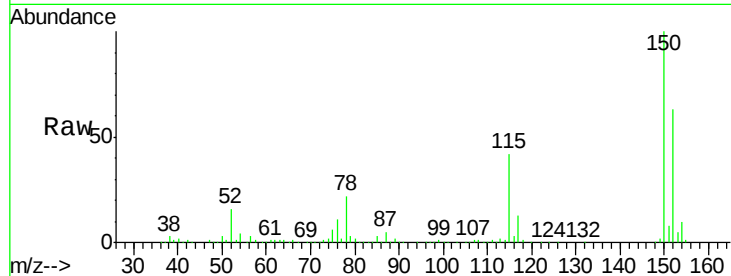




#15
Benzyl Alcohol
Concen: 3.86 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

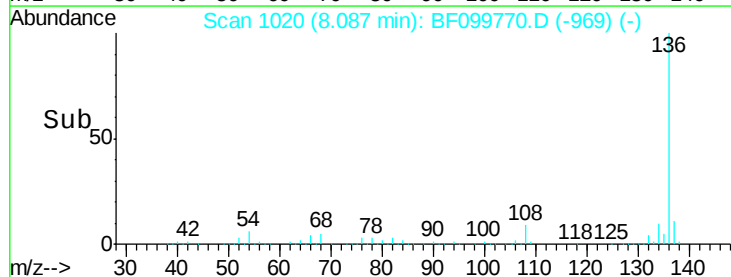
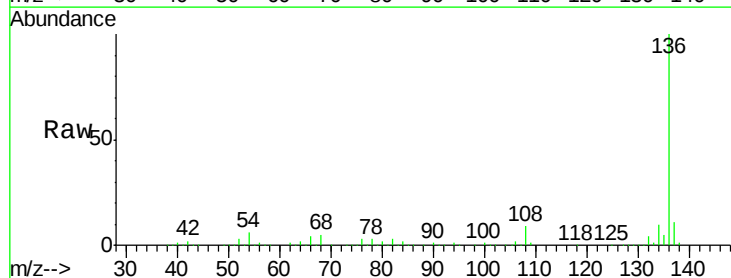
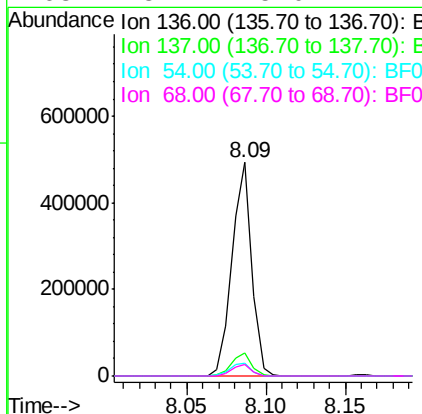
Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

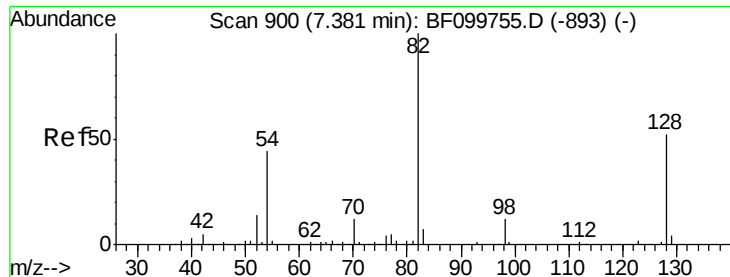
Tot Ion: 79 Resp: 18546
Ion Ratio Lower Upper
79 100
108 52.8 65.1 97.7#
77 90.3 50.6 75.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion: 136 Resp: 424656
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.2 6.6 9.8#
68 5.4 5.0 7.4

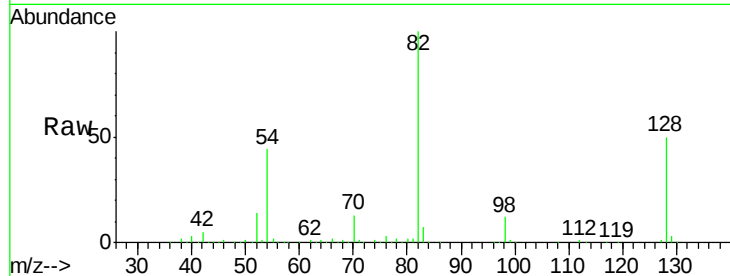




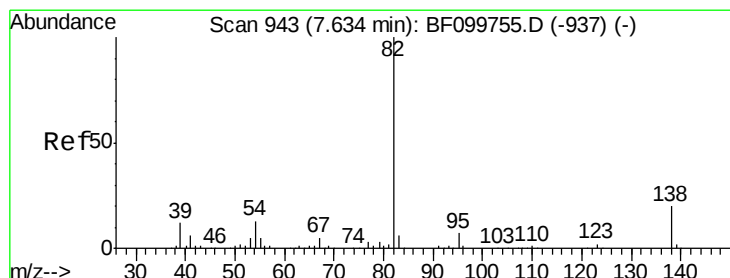
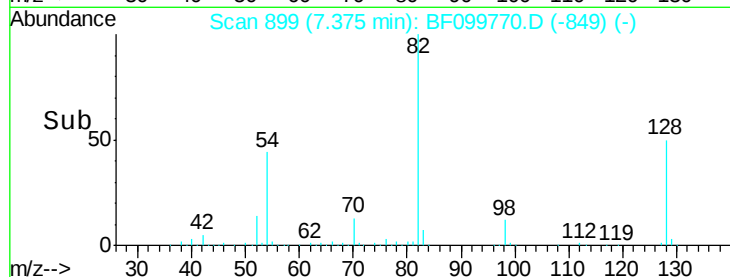
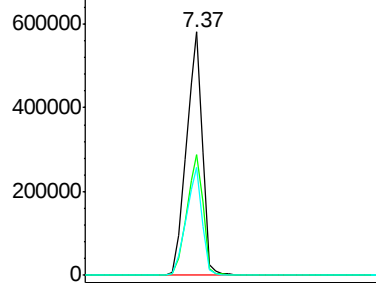
#23
Nitrobenzene-d5
Concen: 94.50 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

Tot Ion: 82 Resp: 623321
Ion Ratio Lower Upper
82 100
128 49.7 36.1 54.1
54 44.2 41.4 62.2

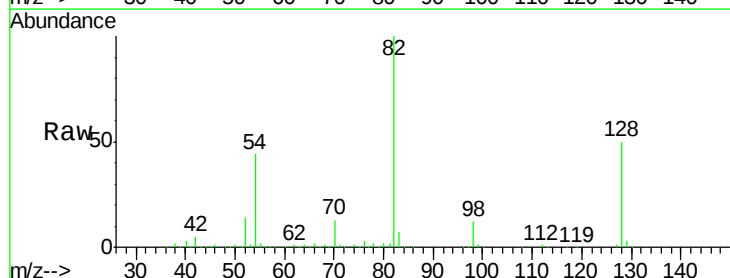


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

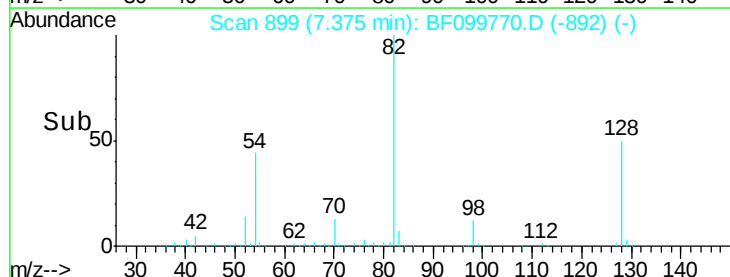
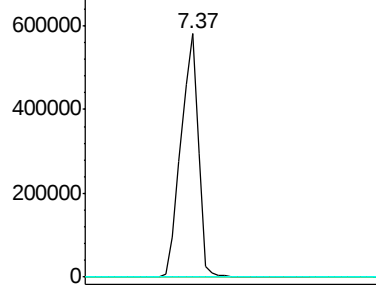


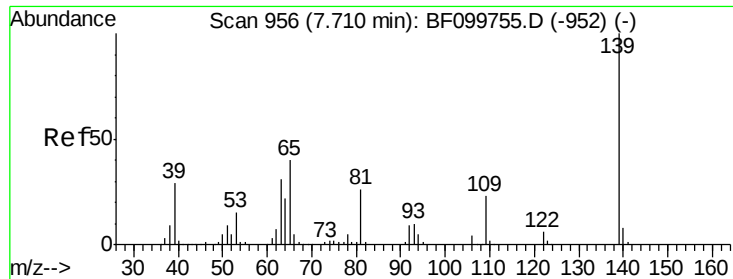
#25
Isophorone
Concen: 52.08 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion: 82 Resp: 623391
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



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

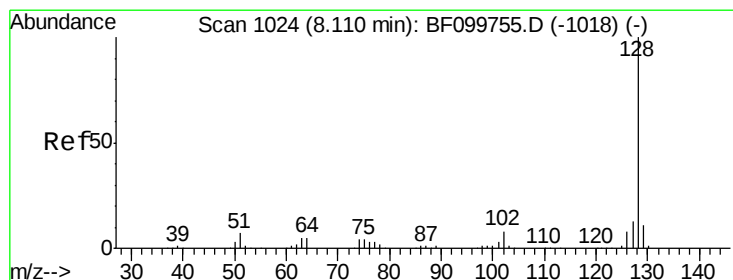
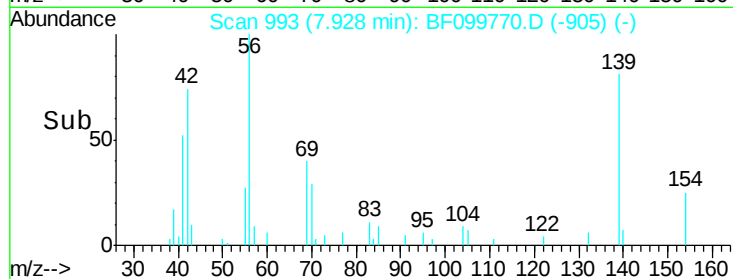
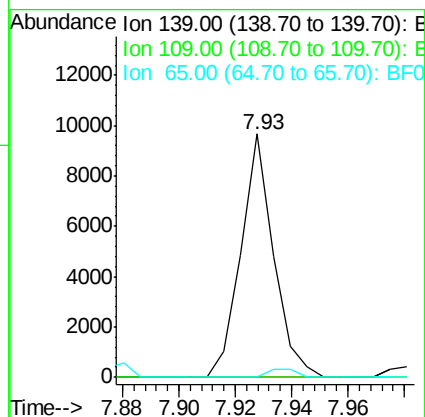
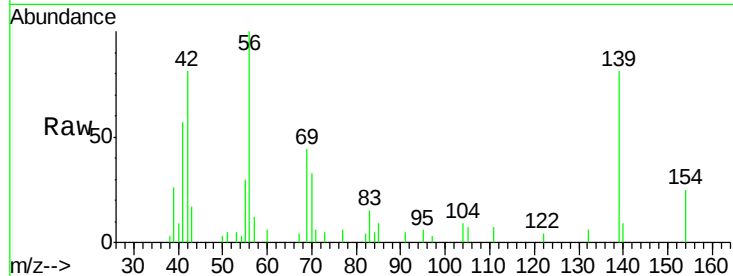




#26
2-Nitrophenol
Concen: 2.04 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.22 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

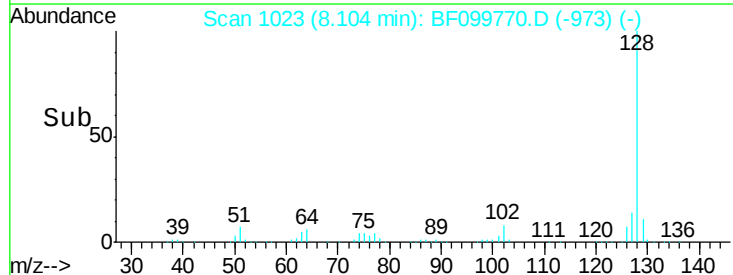
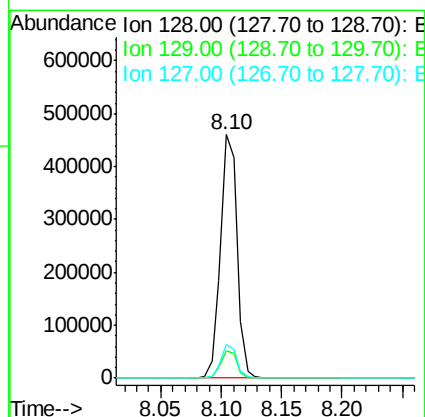
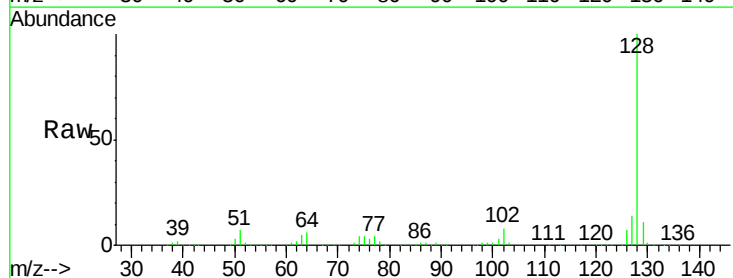
Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

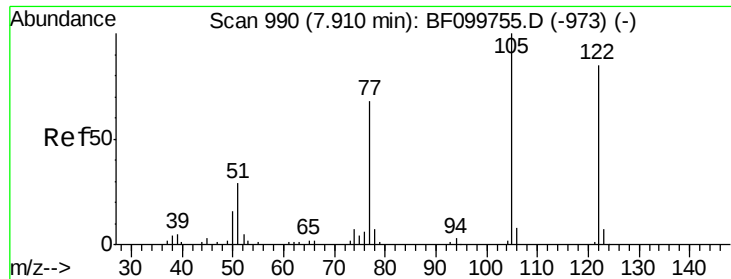
Tot Ion:139 Resp: 7779
Ion Ratio Lower Upper
139 100
109 0.0 22.7 34.1#
65 0.0 40.5 60.7#



#31
Naphthalene
Concen: 21.15 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion:128 Resp: 433525
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.6 10.9 16.3

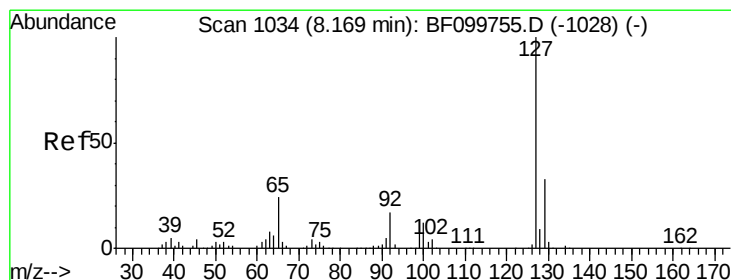
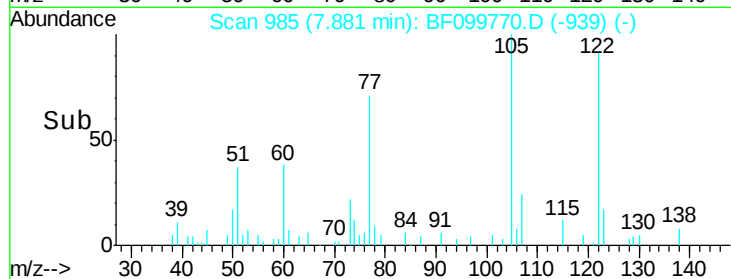
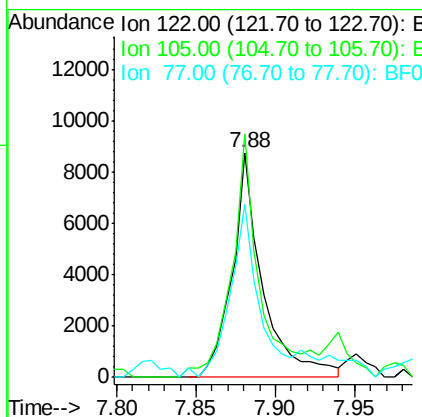
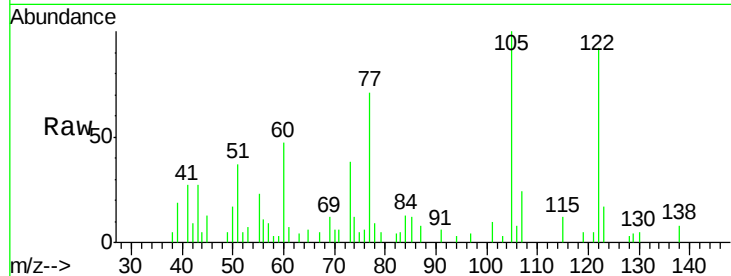




#32
Benzoic acid
Concen: 2.38 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

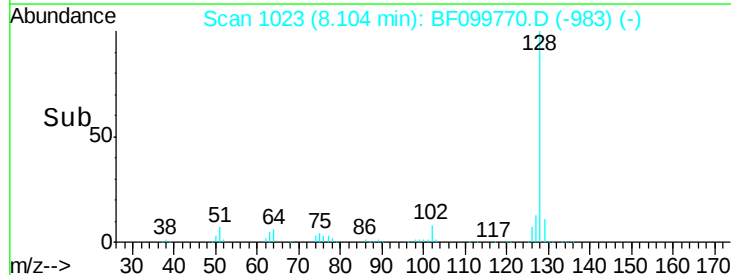
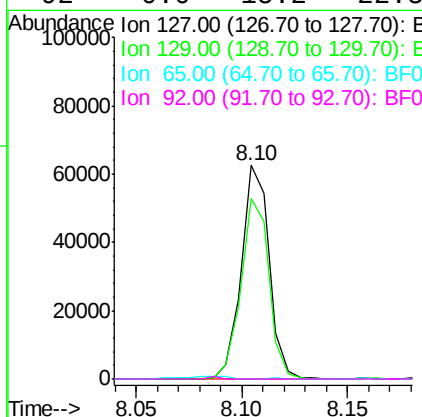
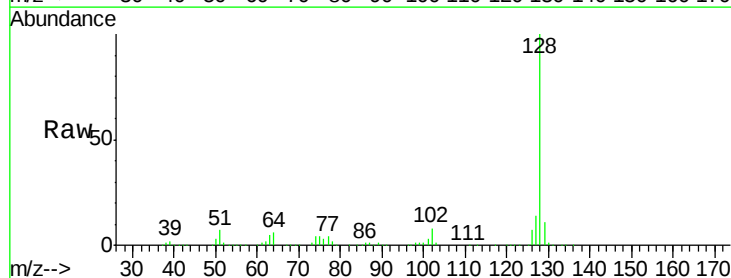
Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

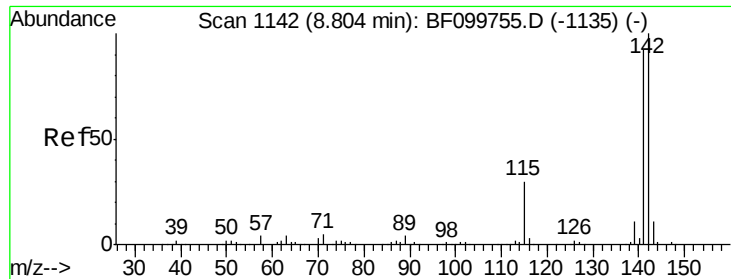
Tot Ion:122 Resp: 11738
Ion Ratio Lower Upper
122 100
105 108.2 101.1 141.1
77 76.8 70.7 110.7



#33
4-Chloroaniline
Concen: 6.73 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.06 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion:127 Resp: 56969
Ion Ratio Lower Upper
127 100
129 84.4 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

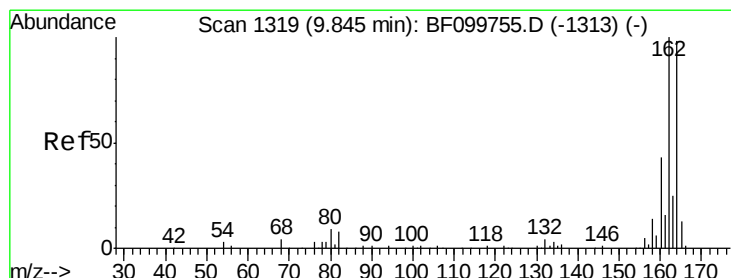
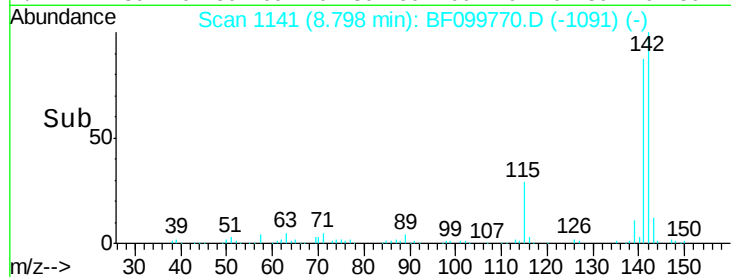
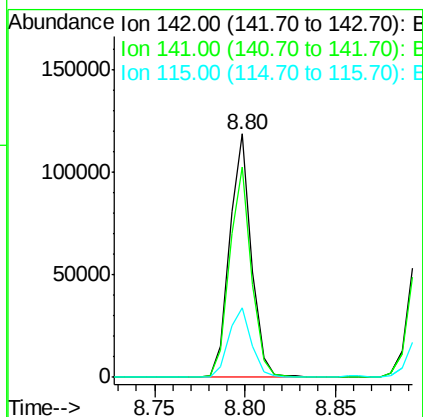
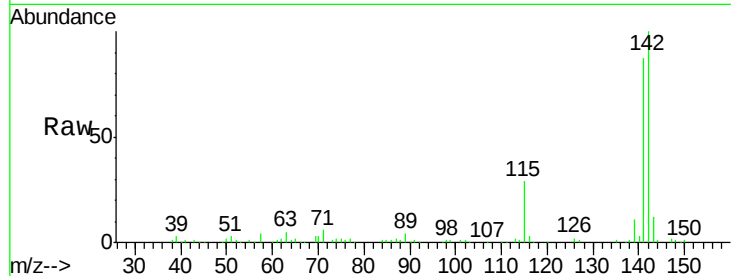




#37
2-Methylnaphthalene
Concen: 7.22 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

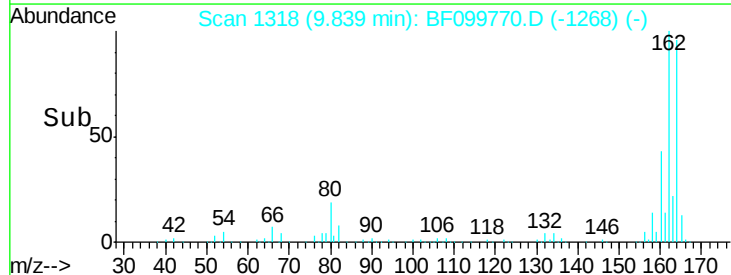
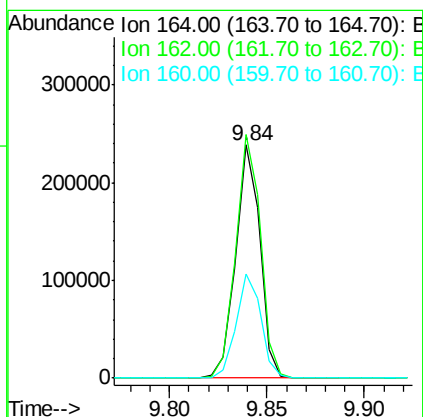
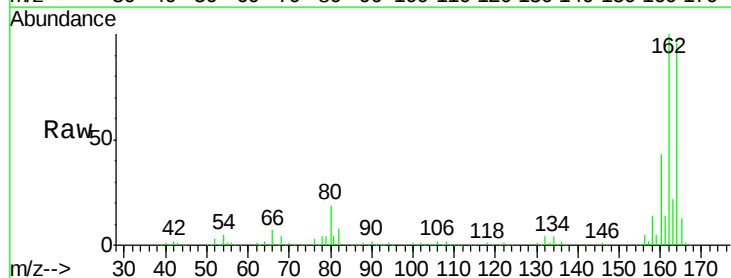
Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

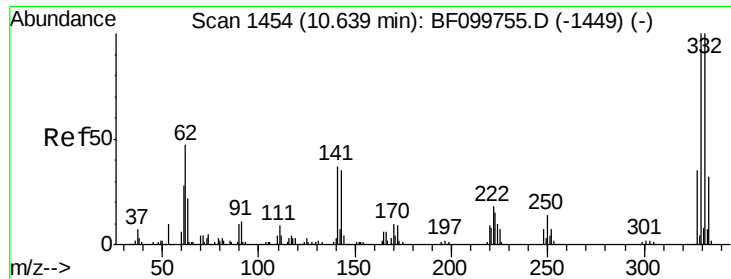
Tot Ion:142 Resp: 99216
Ion Ratio Lower Upper
142 100
141 86.7 70.8 106.2
115 28.8 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion:164 Resp: 205271
Ion Ratio Lower Upper
164 100
162 104.5 86.1 129.1
160 44.9 38.3 57.5

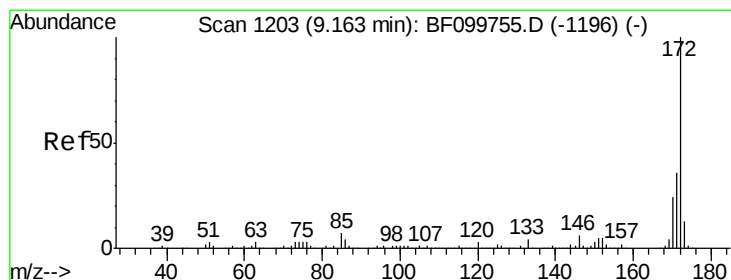
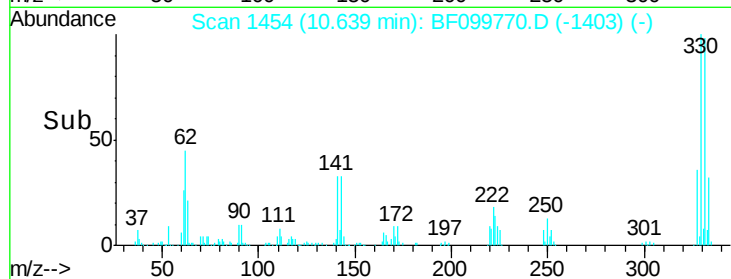
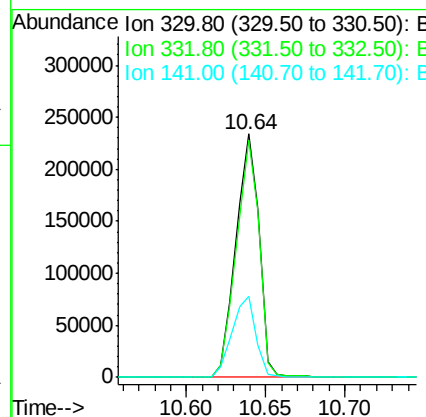
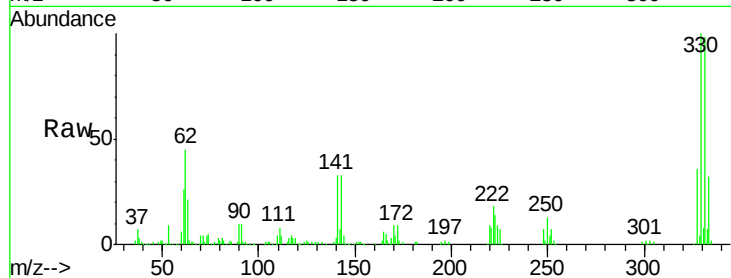




#41
 2,4,6-Tribromophenol
 Concen: 126.98 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099770.D
 Acq: 23 Oct 2017 20:26

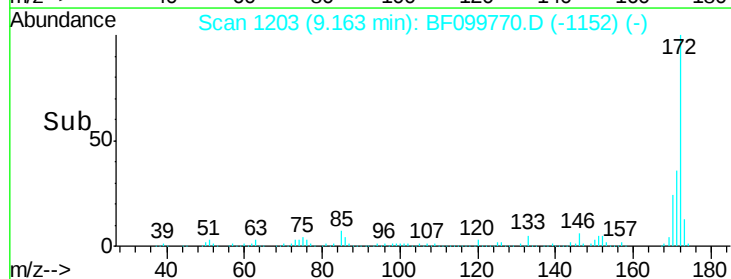
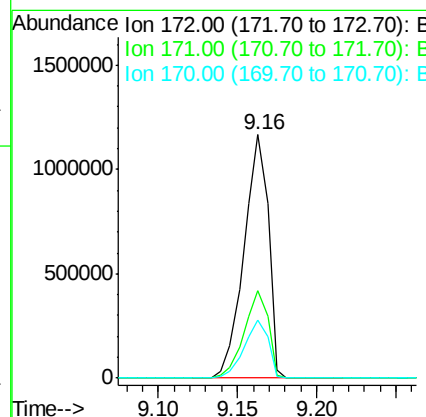
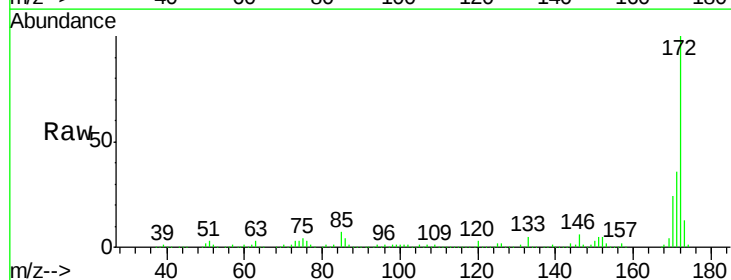
Instrument :
 BNA_F
 ClientSampleId :
 20170725-PA-A-COMP1

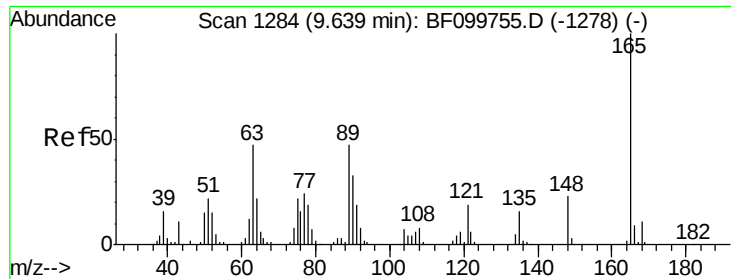
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	34.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 92.96 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099770.D
 Acq: 23 Oct 2017 20:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4

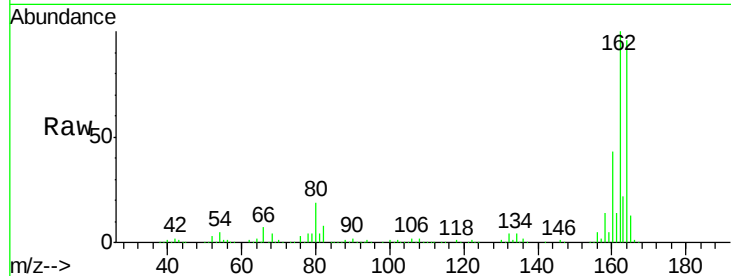




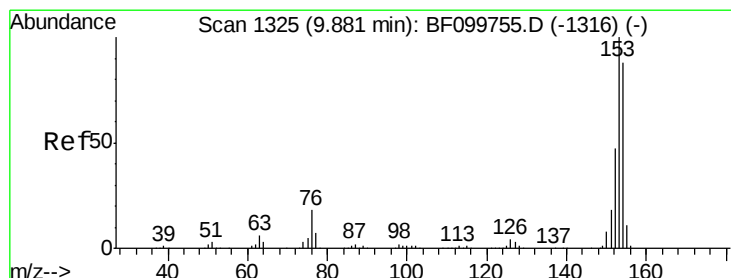
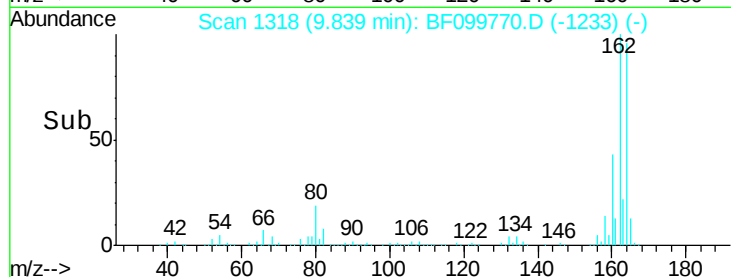
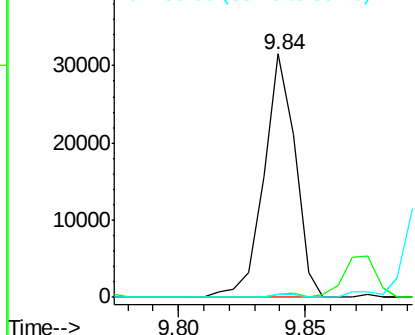
#50
2,6-Dinitrotoluene
Concen: 7.90 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

Tot Ion:165 Resp: 26980
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.2 44.0 66.0#

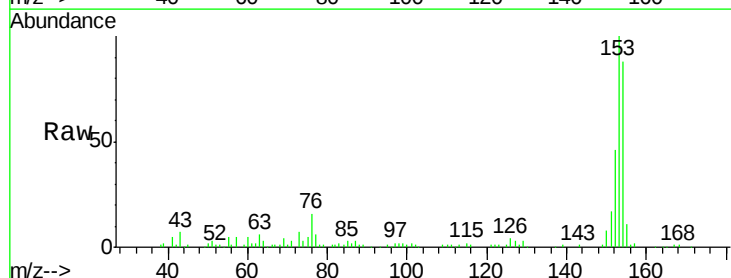


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

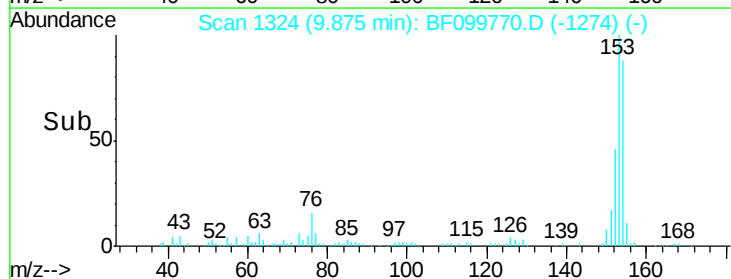
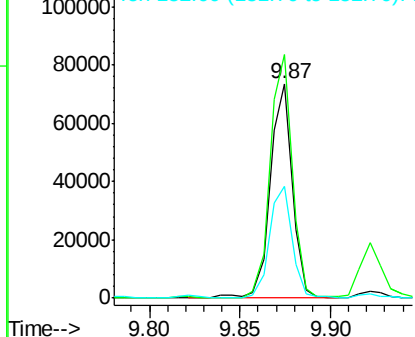


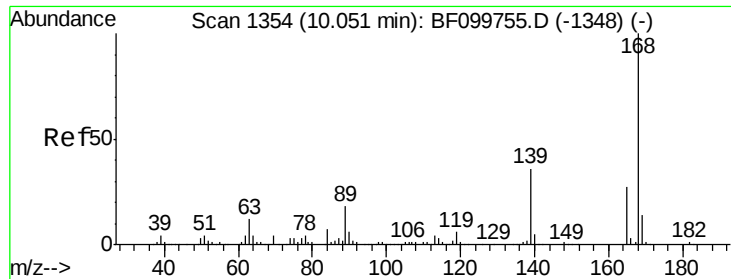
#51
Acenaphthene
Concen: 4.89 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion:154 Resp: 62122
Ion Ratio Lower Upper
154 100
153 113.4 91.2 136.8
152 52.0 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 5.47 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF099770.D

Acq: 23 Oct 2017 20:26

Instrument :

BNA_F

ClientSampleId :

20170725-PA-A-COMP1

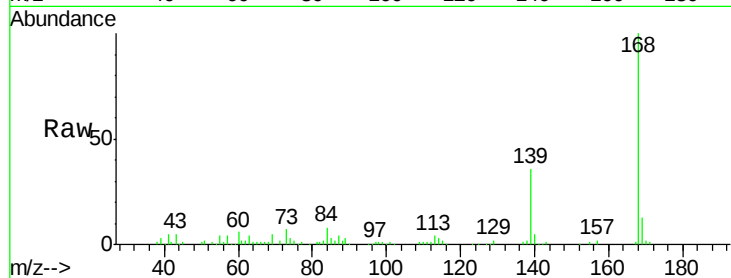
Tot Ion:168 Resp: 97967

Ion Ratio Lower Upper

168 100

139 36.0 30.1 45.1

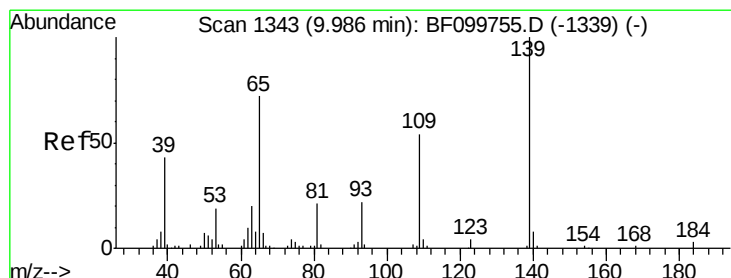
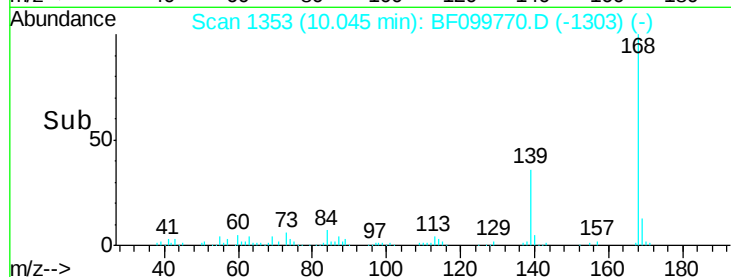
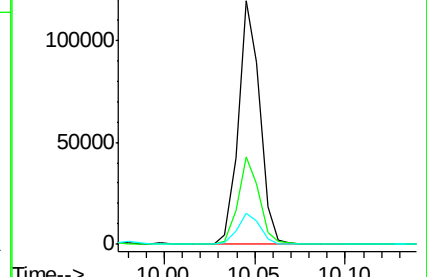
169 13.0 10.9 16.3



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: 16.70 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.06 min

Lab File: BF099770.D

Acq: 23 Oct 2017 20:26

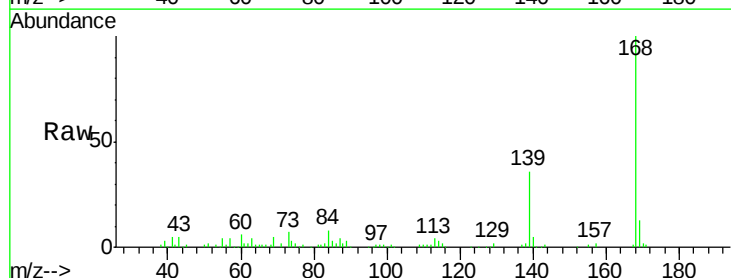
Tgt Ion:139 Resp: 35128

Ion Ratio Lower Upper

139 100

109 1.4 48.4 88.4#

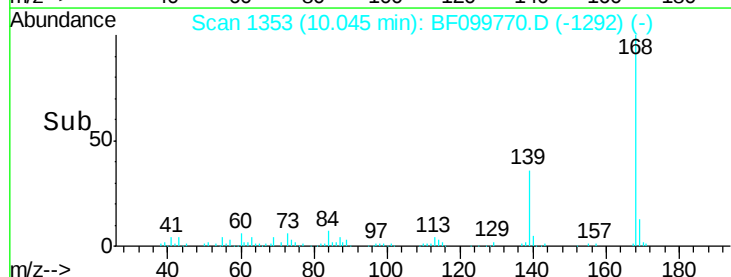
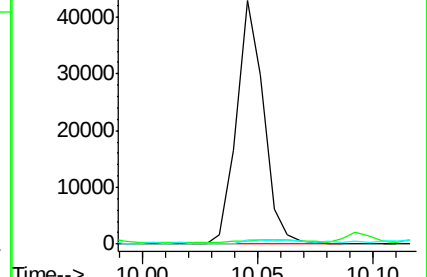
65 1.5 72.6 112.6#

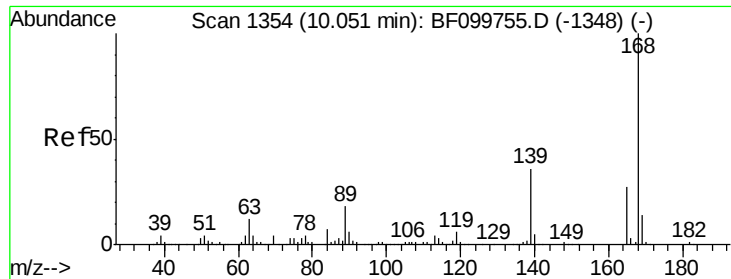


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

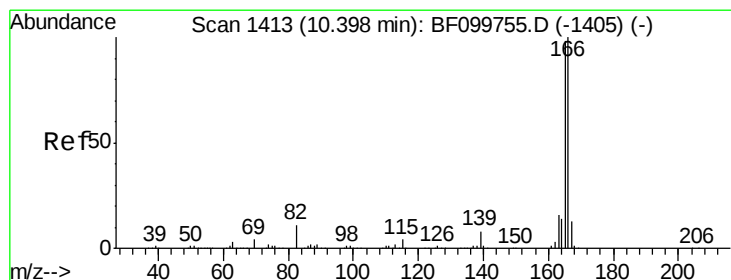
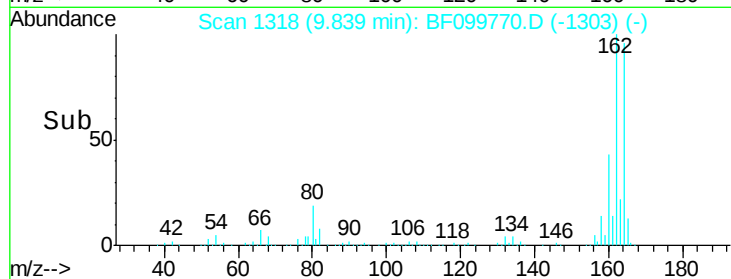
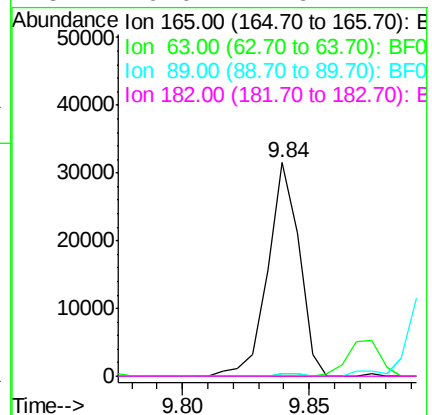
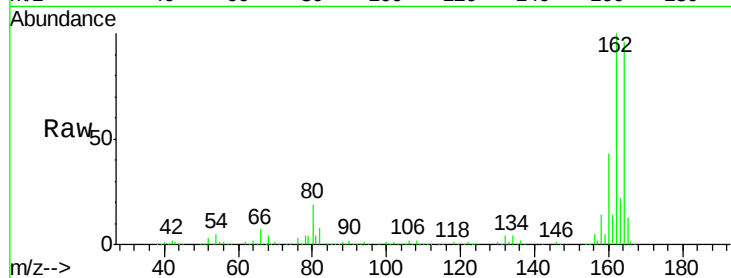




#56
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.21 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

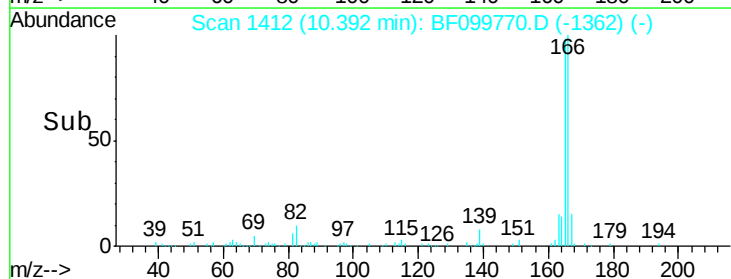
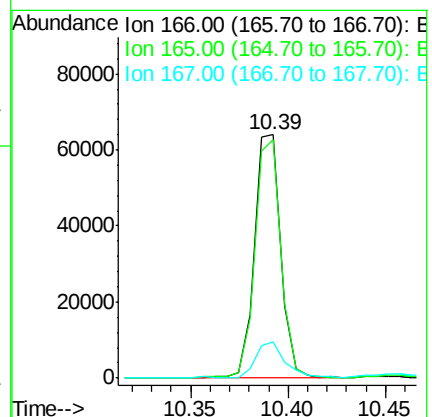
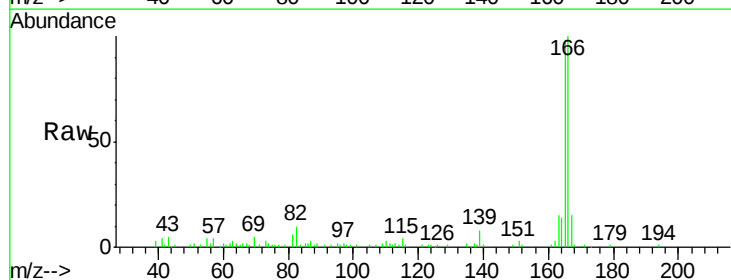
Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

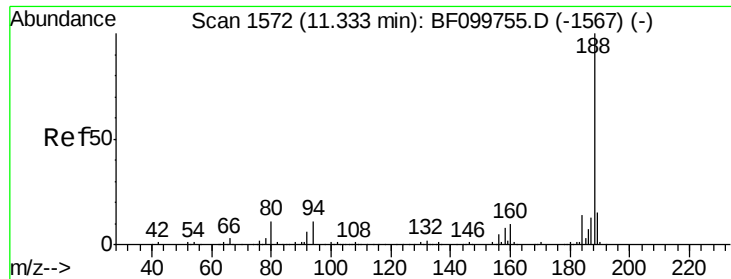
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 4.02 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	14.8	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099770.D

Acq: 23 Oct 2017 20:26

Instrument :

BNA_F

ClientSampleId :

20170725-PA-A-COMP1

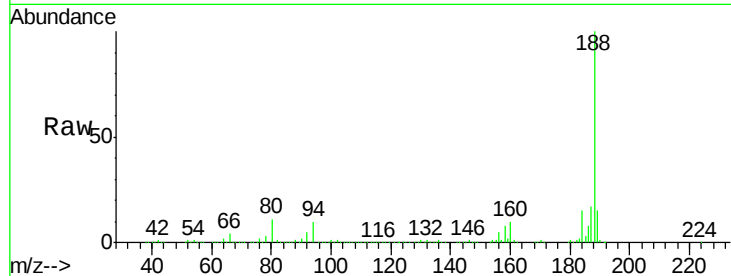
Tot Ion:188 Resp: 345115

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

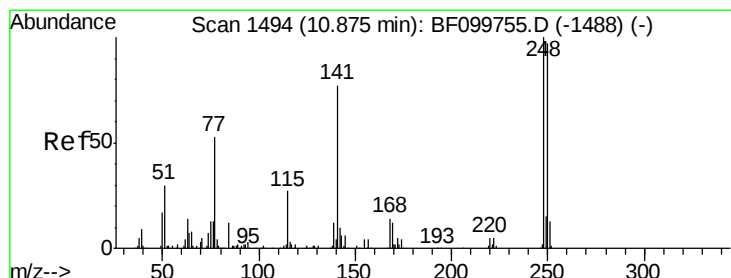
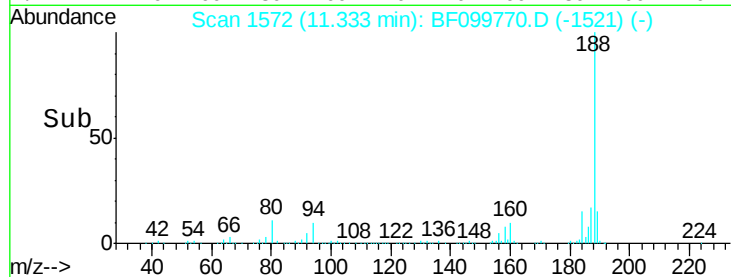
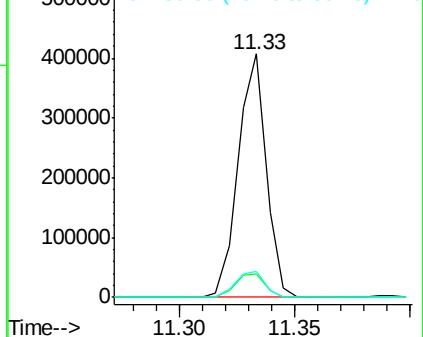
80 10.5 9.2 13.8



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: 4.40 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF099770.D

Acq: 23 Oct 2017 20:26

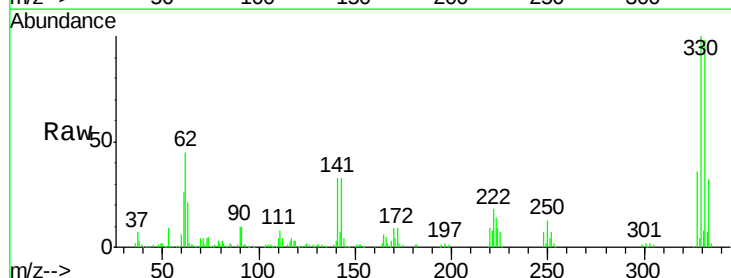
Tgt Ion:248 Resp: 15990

Ion Ratio Lower Upper

248 100

250 184.8 76.9 115.3#

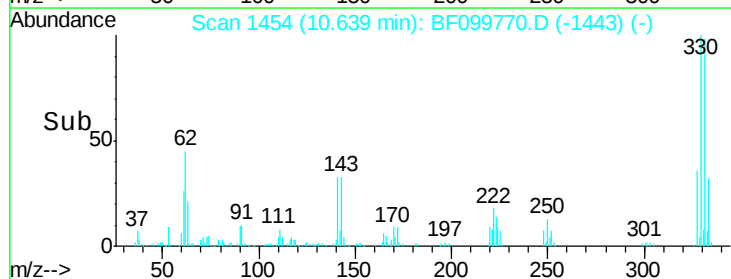
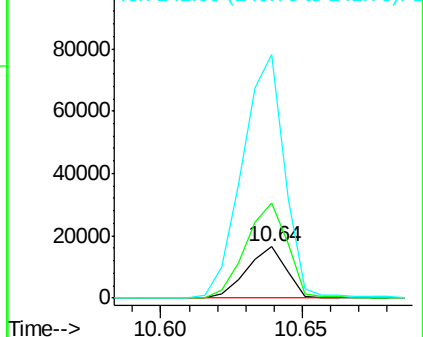
141 472.5 74.4 111.6#

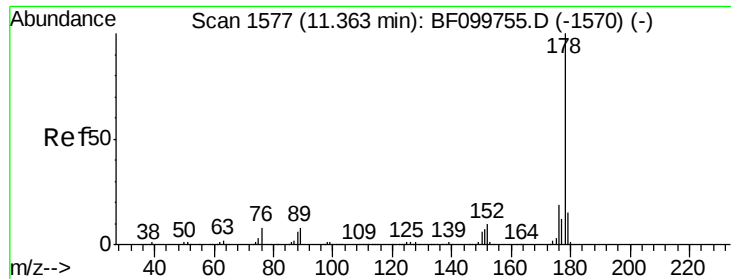


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

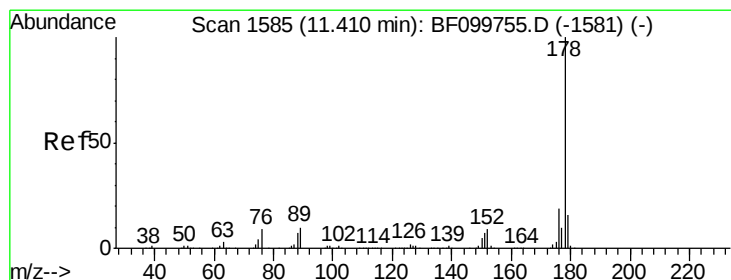
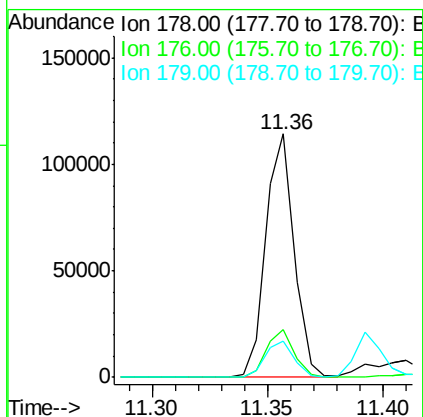
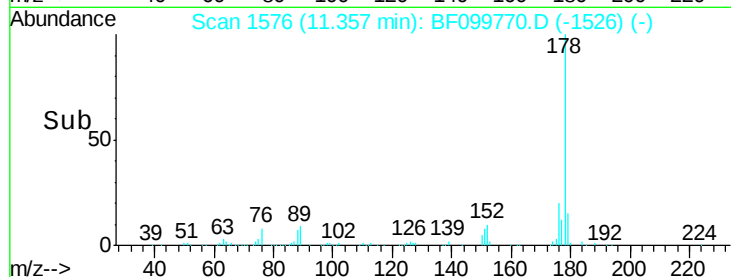
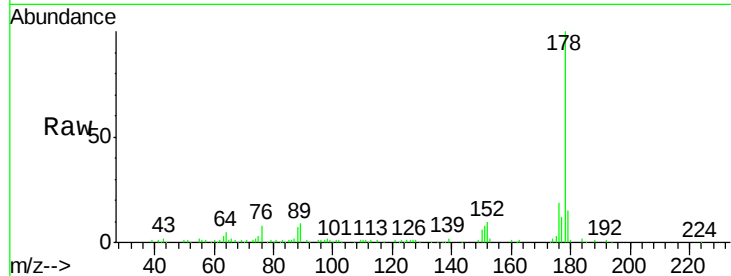




#70
Phenanthrene
Concen: 5.02 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

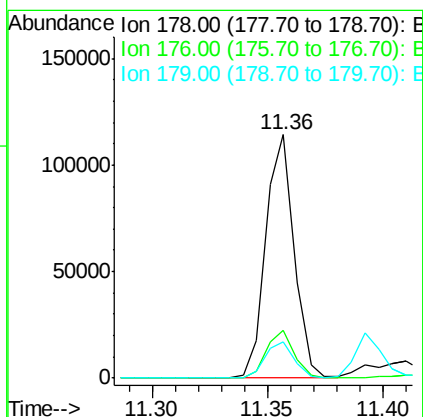
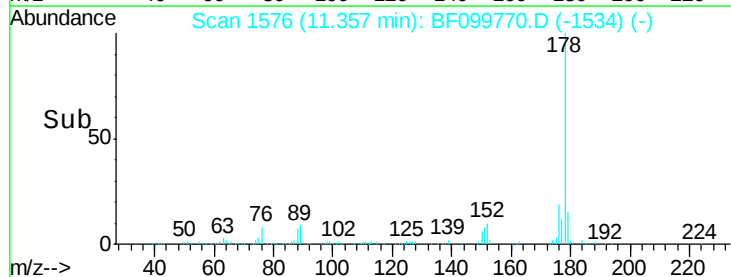
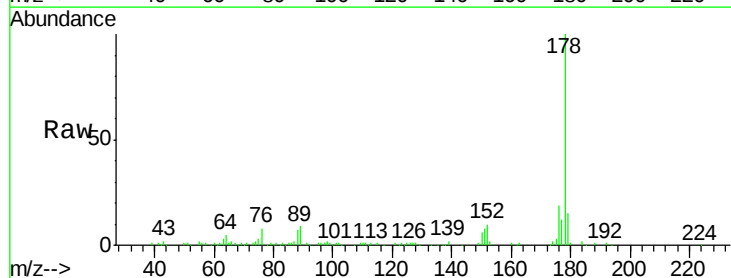
Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

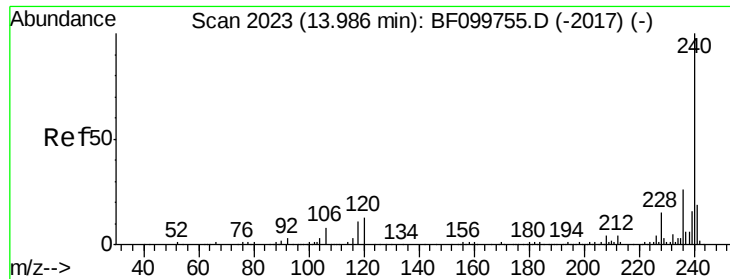
Tot Ion:178 Resp: 97796
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 4.95 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.05 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Tgt Ion:178 Resp: 97796
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.0 12.6 19.0

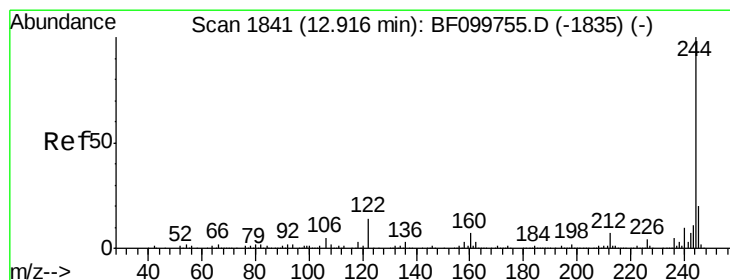
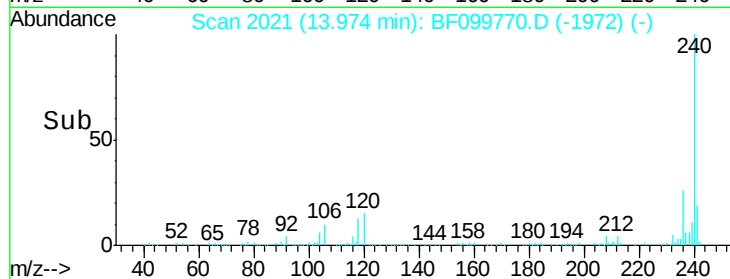
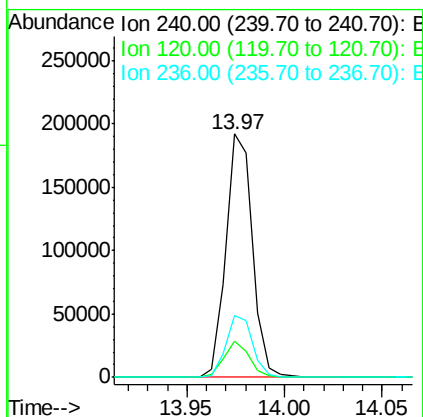
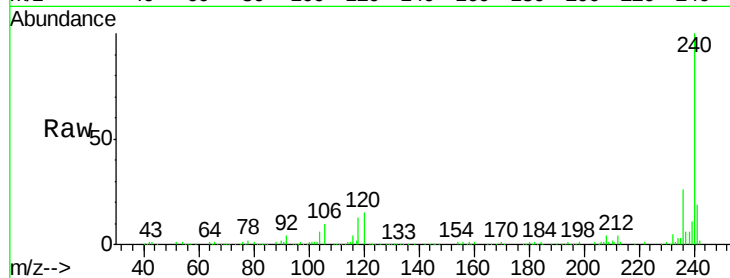




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF099770.D
 Acq: 23 Oct 2017 20:26

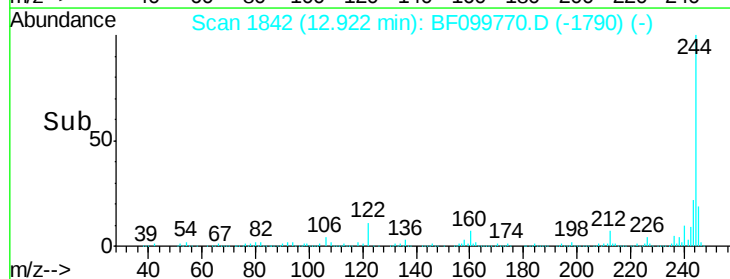
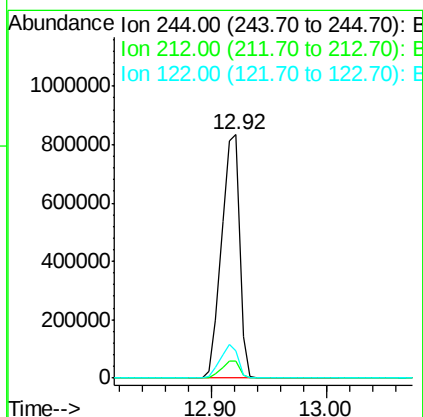
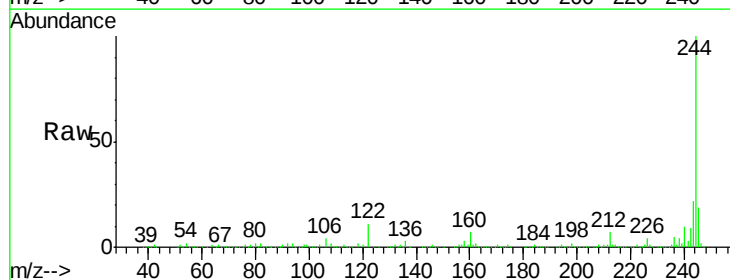
Instrument :
 BNA_F
 ClientSampleId :
 20170725-PA-A-COMP1

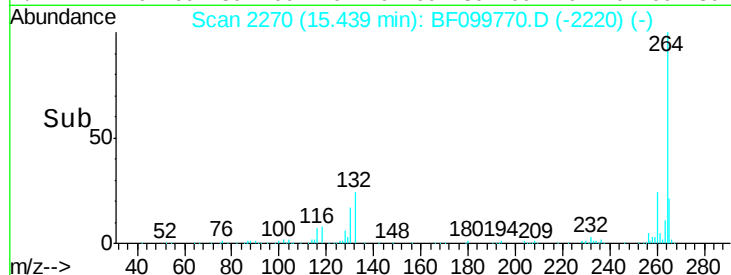
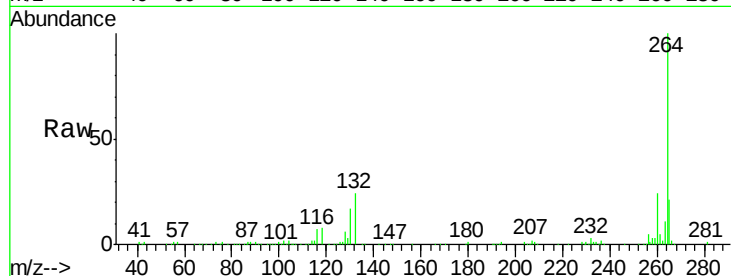
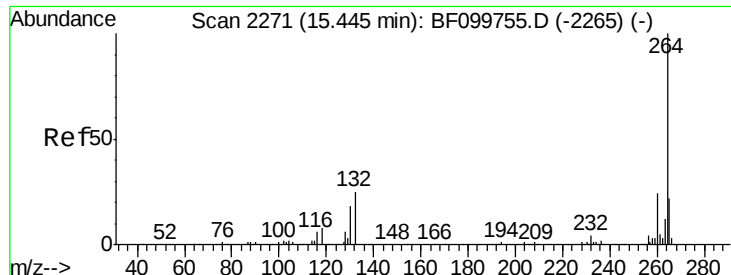
Tot Ion:240 Resp: 180713
 Ion Ratio Lower Upper
 240 100
 120 15.0 9.5 14.3#
 236 25.5 20.7 31.1



#78
 Terphenyl-d14
 Concen: 109.68 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF099770.D
 Acq: 23 Oct 2017 20:26

Tgt Ion:244 Resp: 906935
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.5 11.0 16.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099770.D
Acq: 23 Oct 2017 20:26

Instrument :
BNA_F
ClientSampleId :
20170725-PA-A-COMP1

Tot Ion:	264	Resp:	188226
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.0	17.5	26.3

