

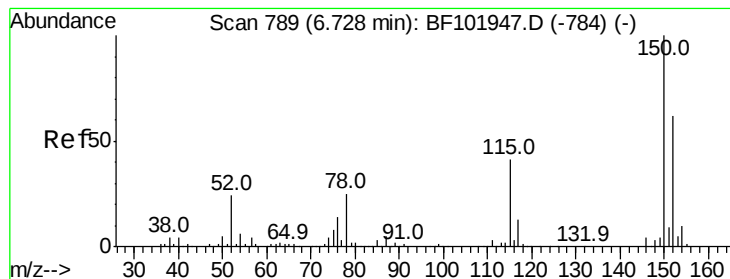
Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102117.D
 Acq On : 16 Jan 2018 18:48
 Operator : SJ/JU
 Sample : J1127-01RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 17 01:05:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	165961	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	643718	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	271755	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	428734	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	273050	20.00	ng	-0.01
86) Perylene-d12	15.28	264	274703	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1149061	97.77	ng	0.00
7) Phenol-d6	6.36	99	1365944	97.41	ng	0.00
23) Nitrobenzene-d5	7.29	82	866879	79.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	282278	119.03	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1402042	80.60	ng	-0.01
78) Terphenyl-d14	12.82	244	939727	71.46	ng	-0.01
Target Compounds						
6) Aniline	6.36	93	46309	2.343	ng	Qvalue # 25
9) Benzaldehyde	6.49	77	26279	2.699	ng	# 81
10) Phenol	6.37	94	62100	3.919	ng	# 94
15) Benzyl Alcohol	6.87	79	24038	2.344	ng	# 26
19) n-Nitroso-di-n-propylamine	7.29	70	116967	12.728	ng	# 81
25) Isophorone	7.29	82	866869	40.050	ng	# 64
49) Dimethylphthalate	9.47	163	422449	19.378	ng	100
53) 2,4-Dinitrophenol	10.07	184	108	8.716	ng	# 1
56) 2,4-Dinitrotoluene	9.75	165	36066	6.608	ng	# 24
62) Azobenzene	10.47	77	366651	16.994	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	702	5.928	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	18366	4.056	ng	# 1
87) Benzo(b)fluoranthene	14.87	252	44959	2.510	ng	# 60
88) Benzo(k)fluoranthene	14.87	252	44959	2.602	ng	# 63

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

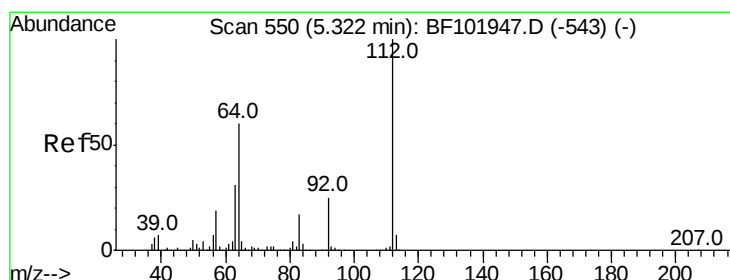
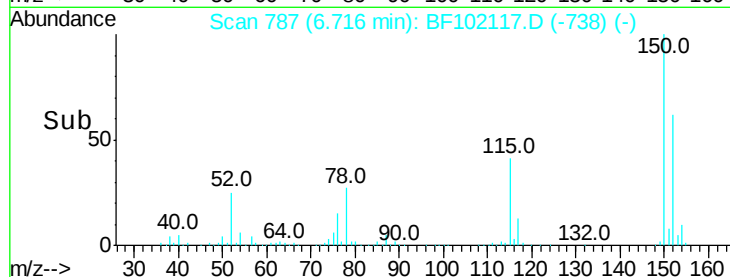
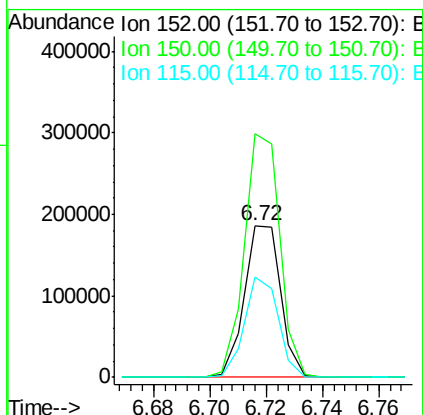
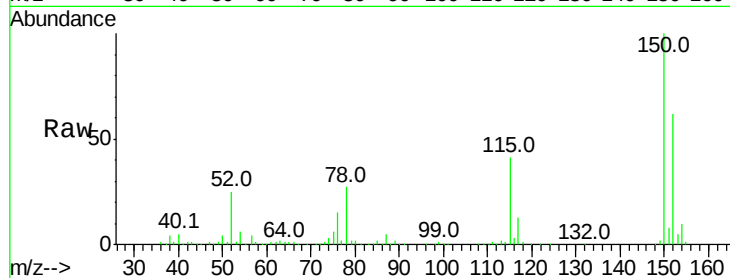


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

Instrument :
BNA_F
ClientSampleId :

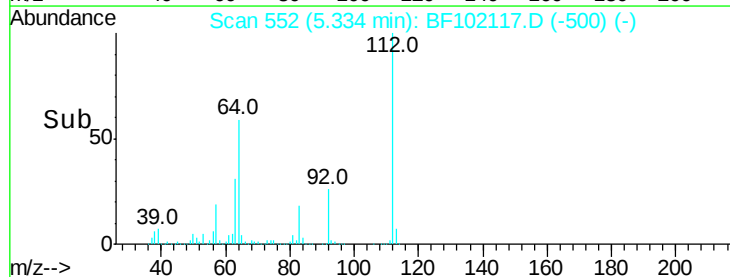
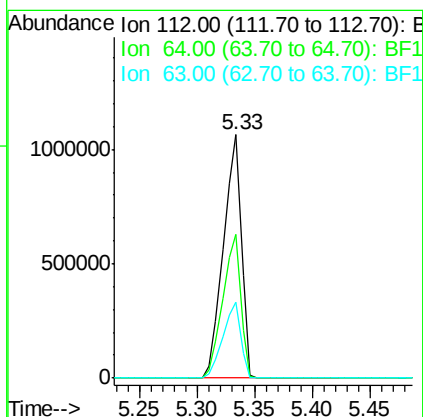
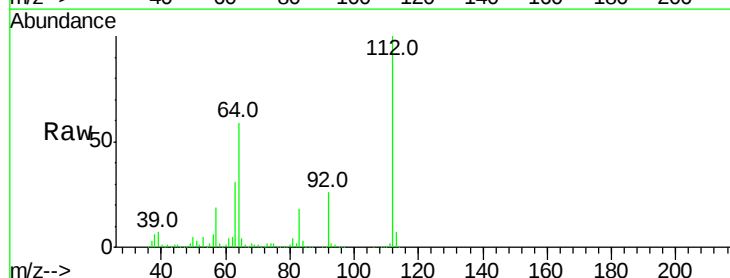
Tot Ion:152 Resp: 165961
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 65.7 50.1 75.1

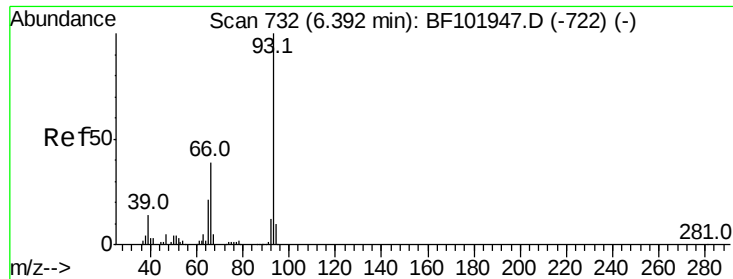


#5

2-Fluorophenol
Concen: 97.768 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

Tgt Ion:112 Resp: 1149061
Ion Ratio Lower Upper
112 100
64 59.1 47.9 71.9
63 31.2 23.7 35.5





#6

Aniline

Concen: 2.343 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.04 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA_F

ClientSampleId :

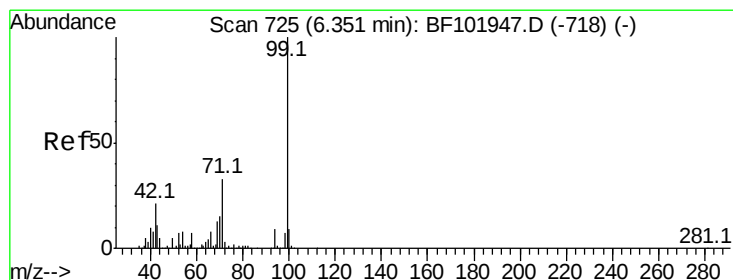
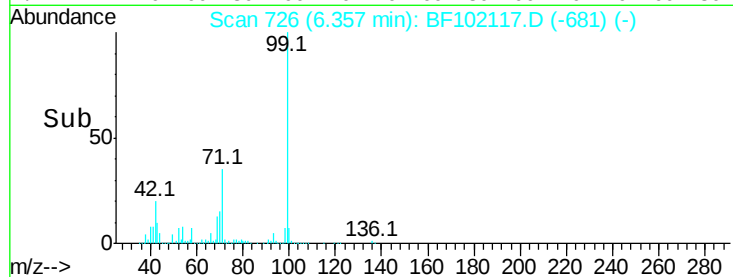
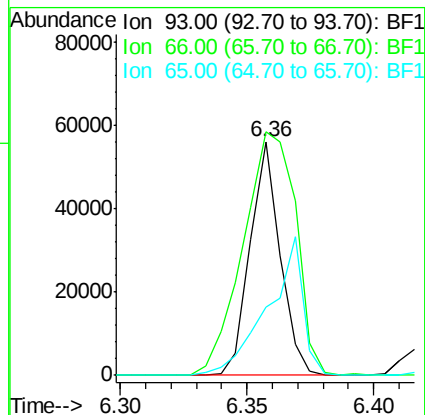
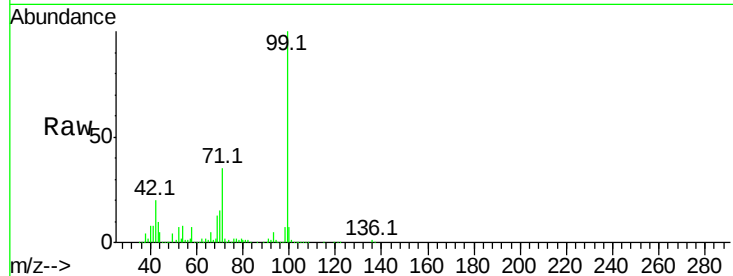
Tot Ion: 93 Resp: 46309

Ion Ratio Lower Upper

93 100

66 104.1 32.2 48.2#

65 29.2 16.4 24.6#



#7

Phenol-d6

Concen: 97.411 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

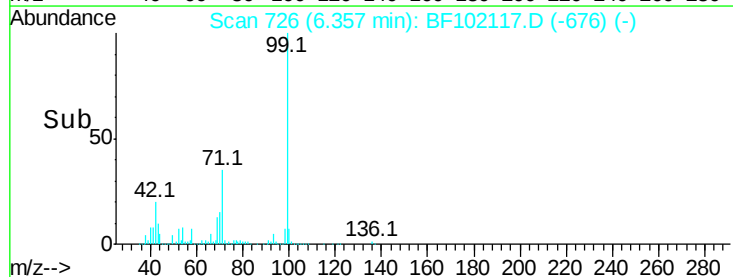
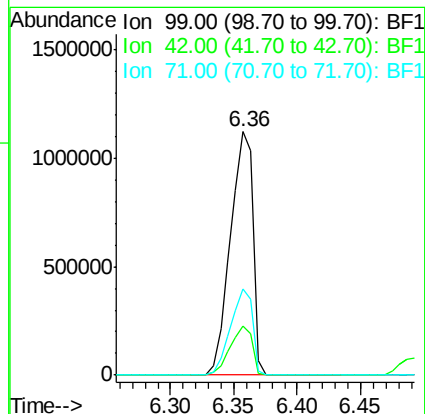
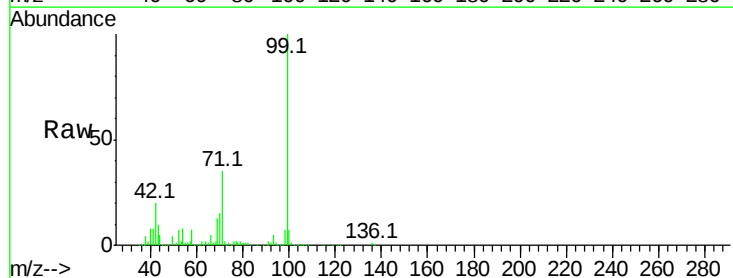
Tgt Ion: 99 Resp: 1365944

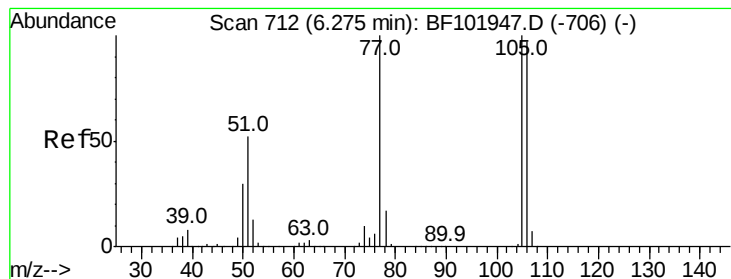
Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 35.3 25.4 38.0





#9

Benzaldehyde

Concen: 2.699 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA_F

ClientSampleId :

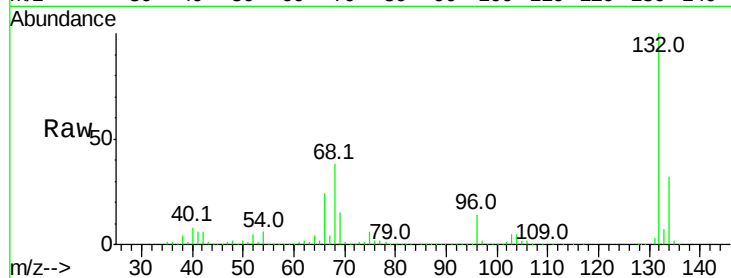
Tot Ion: 77 Resp: 26279

Ion Ratio Lower Upper

77 100

105 82.6 81.1 121.1

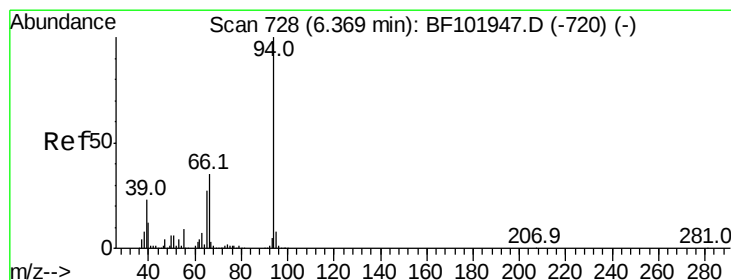
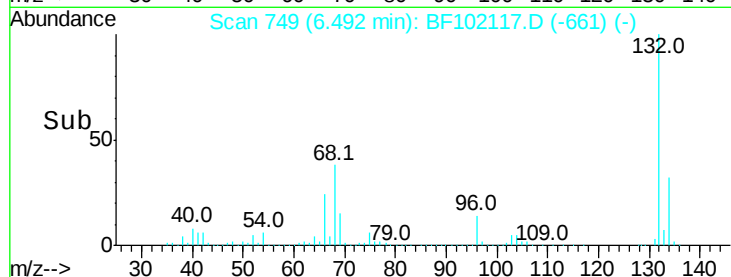
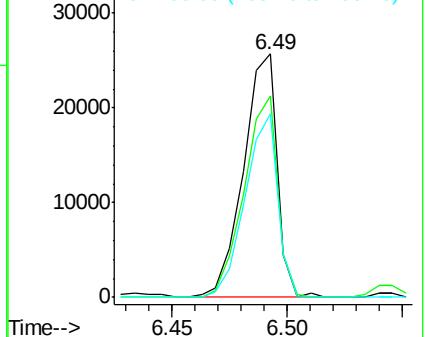
106 75.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 3.919 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

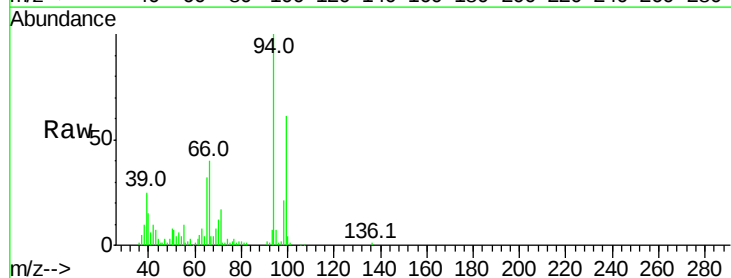
Tgt Ion: 94 Resp: 62100

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

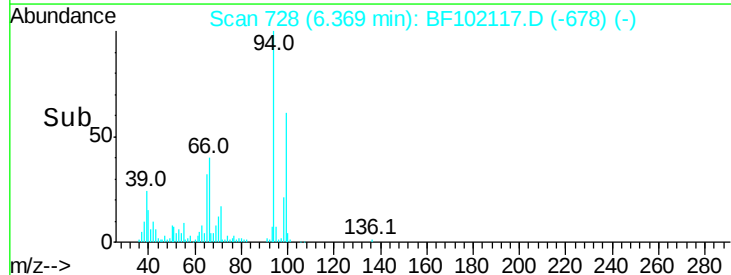
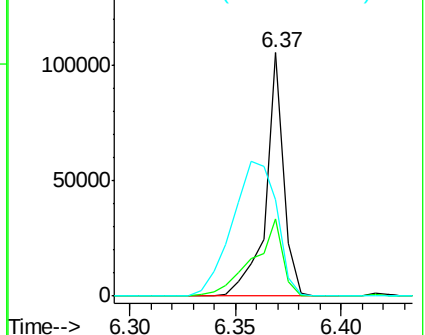
66 39.7 16.2 56.2

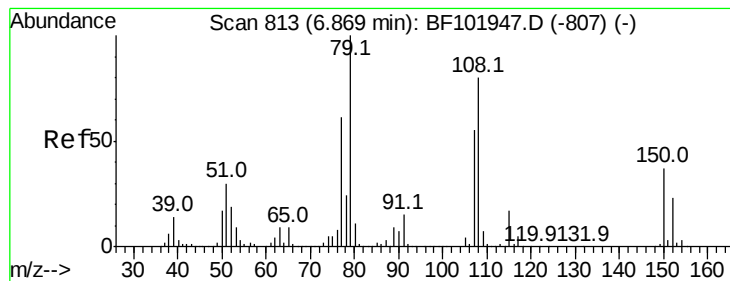


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.344 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA_F

ClientSampled :

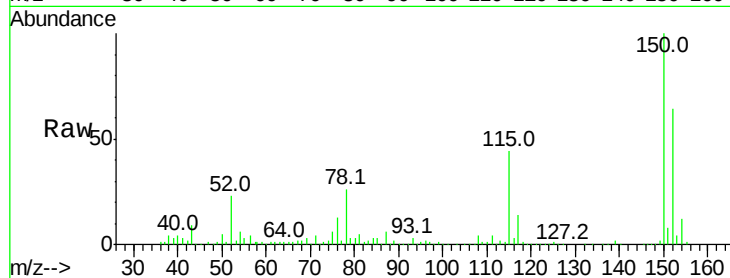
Tot Ion: 79 Resp: 24038

Ion Ratio Lower Upper

79 100

108 171.6 65.1 97.7#

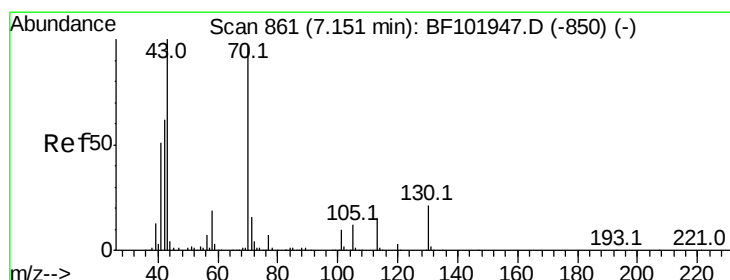
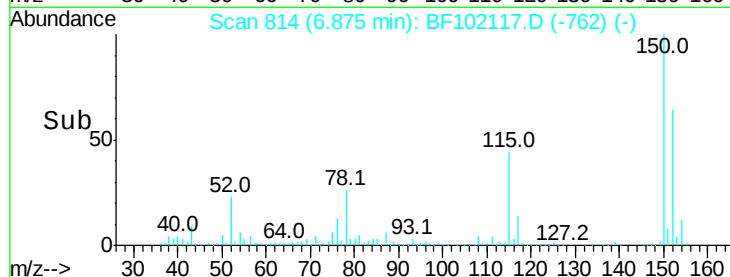
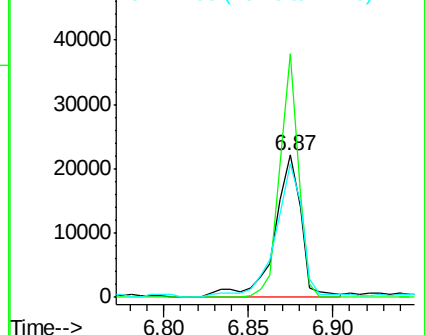
77 93.9 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 12.728 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Tgt Ion: 70 Resp: 116967

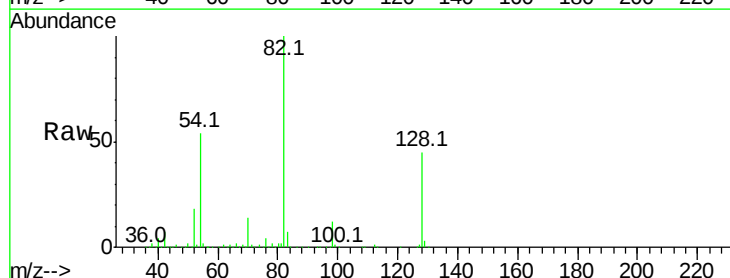
Ion Ratio Lower Upper

70 100

42 51.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

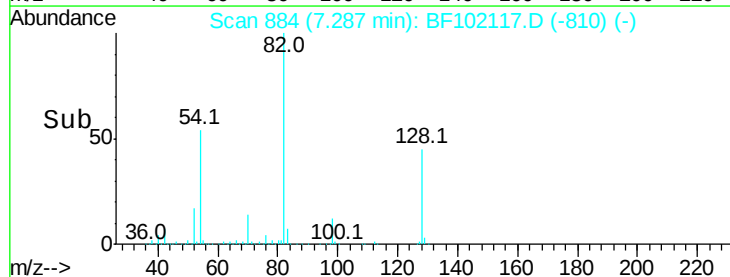
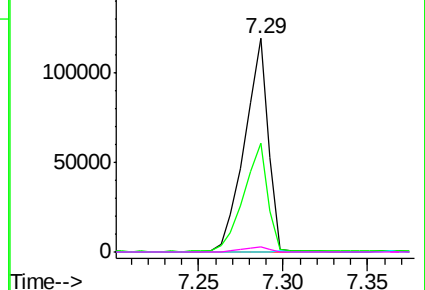


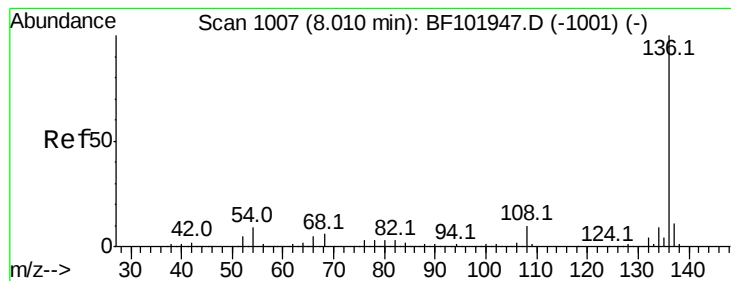
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 643718

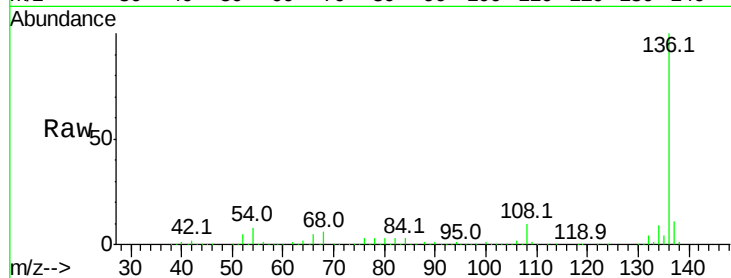
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.1 6.6 9.8

68 5.6 5.0 7.4

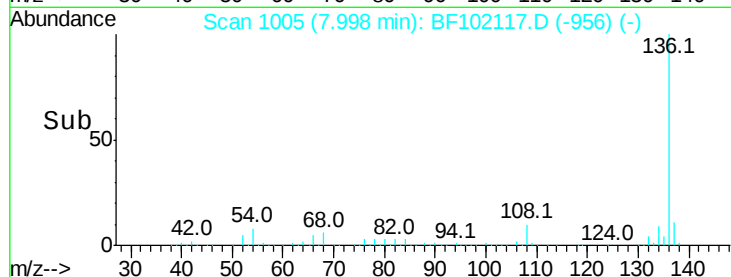


Abundance Ion 136.00 (135.70 to 136.70): E

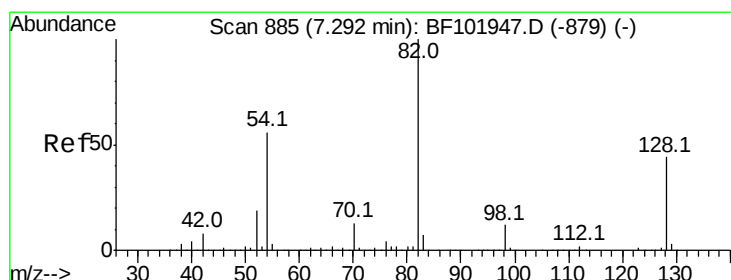
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 79.136 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

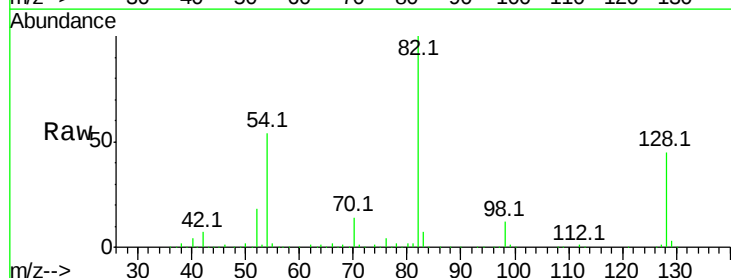
Tgt Ion: 82 Resp: 866879

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

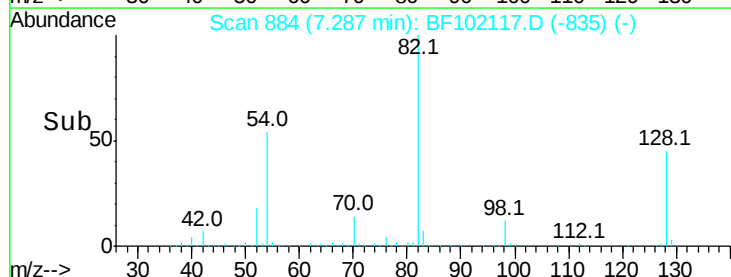
54 54.4 41.4 62.2



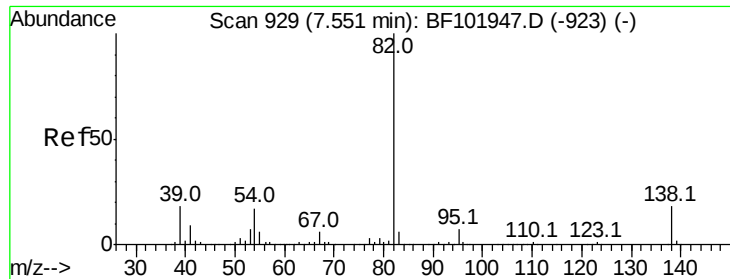
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 40.050 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA_F

ClientSampleId :

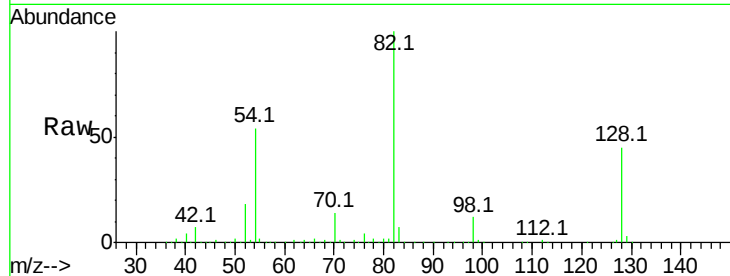
Tot Ion: 82 Resp: 866869

Ion Ratio Lower Upper

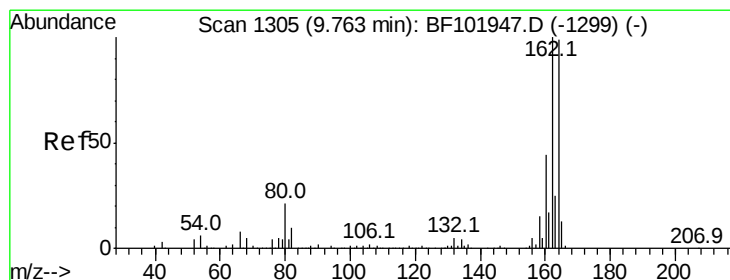
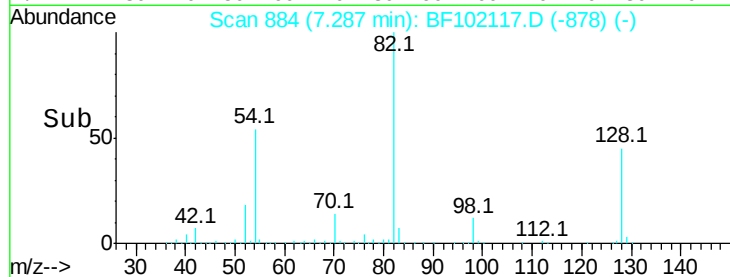
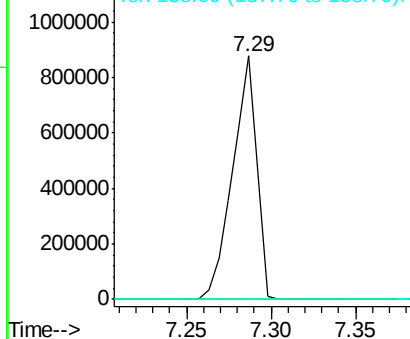
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

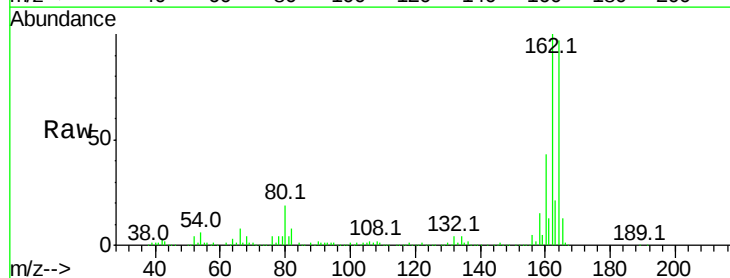
Tgt Ion:164 Resp: 271755

Ion Ratio Lower Upper

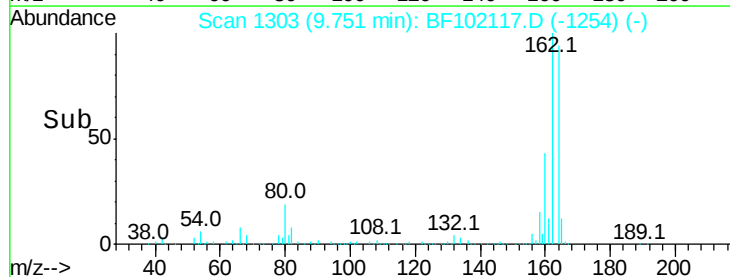
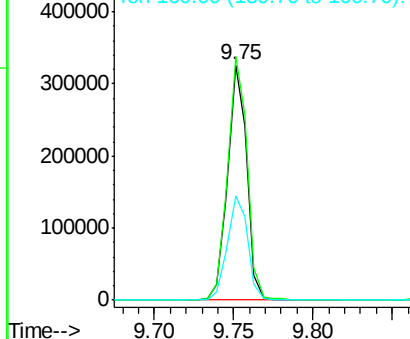
164 100

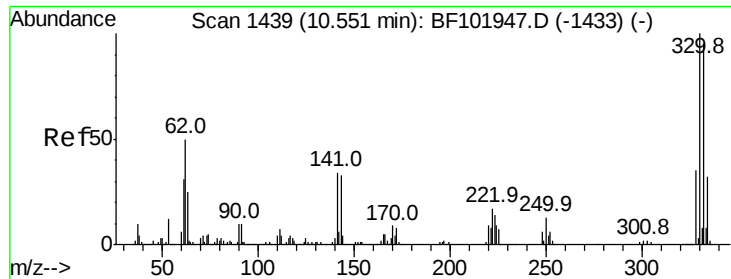
162 103.5 86.1 129.1

160 44.4 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

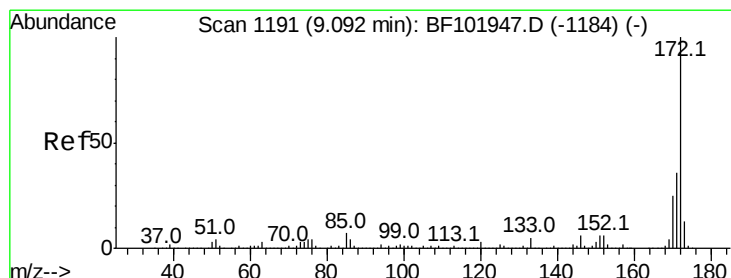
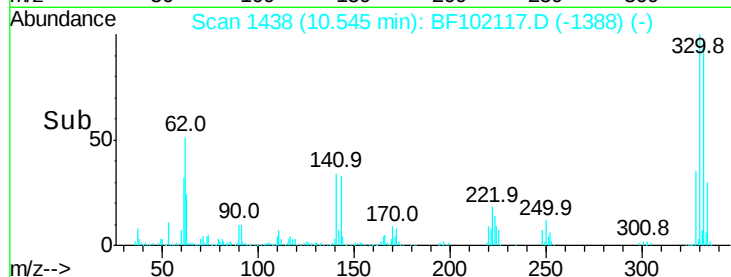
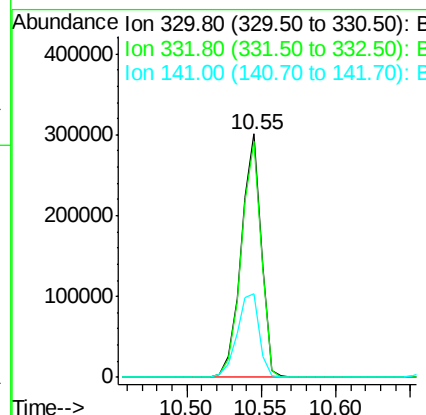
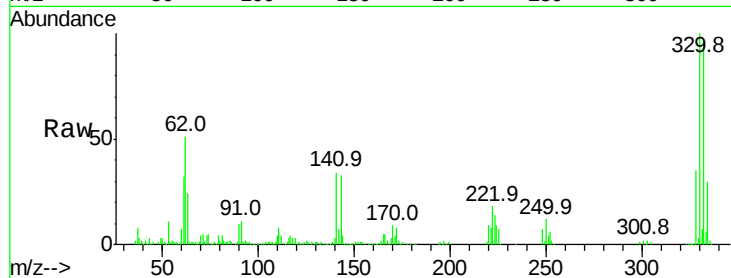




#41
 2,4,6-Tribromophenol
 Concen: 119.026 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102117.D
 Acq: 16 Jan 2018 18:48

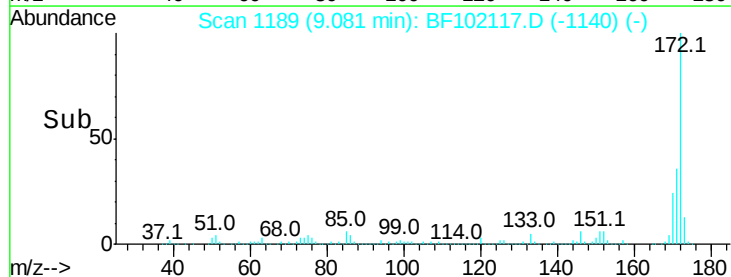
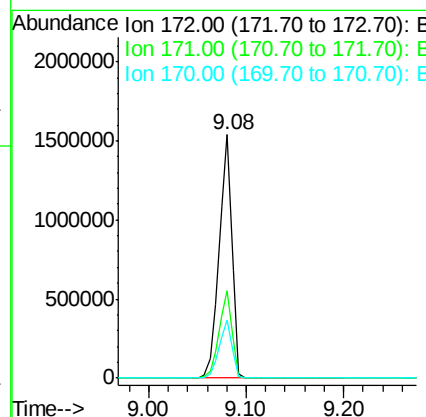
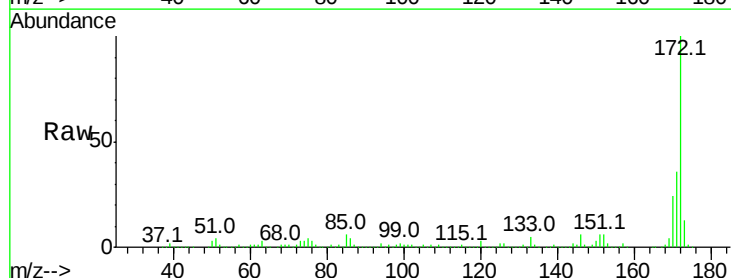
Instrument :
 BNA_F
 ClientSampleId :

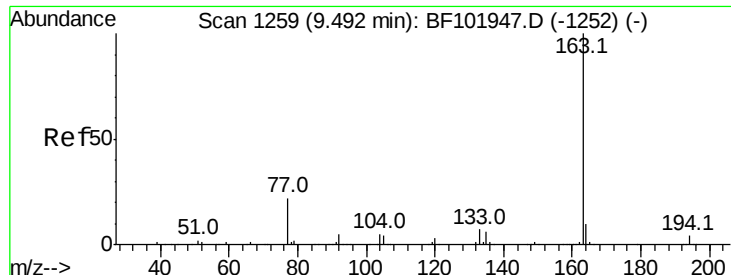
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	38.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 80.601 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102117.D
 Acq: 16 Jan 2018 18:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.8	19.6	29.4





#49

Dimethylphthalate

Concen: 19.378 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :

BNA_F

ClientSampleId :

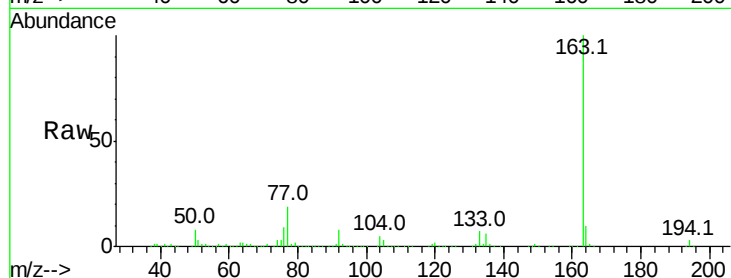
Tot Ion:163 Resp: 422449

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

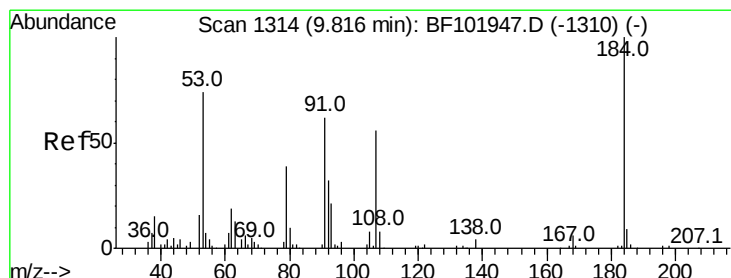
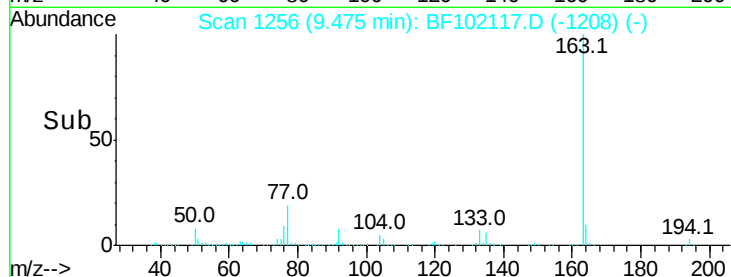
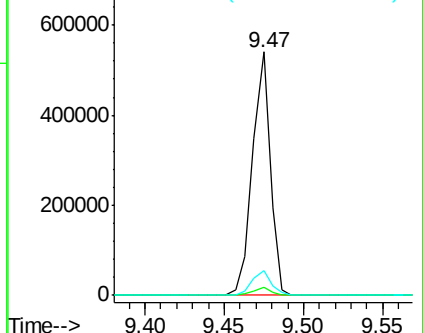
164 10.2 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 8.716 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.25 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

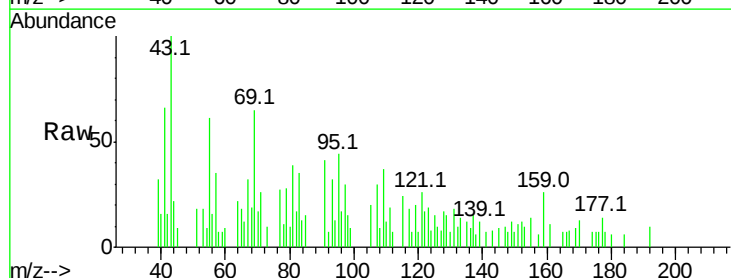
Tgt Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

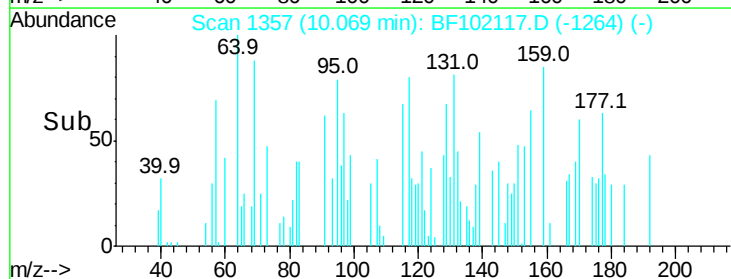
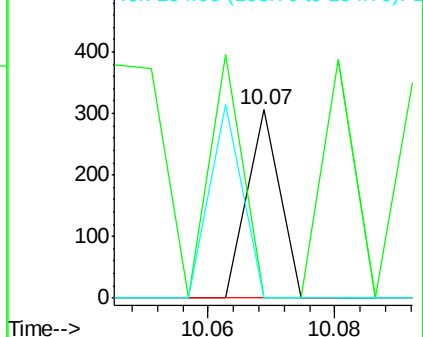
154 0.0 184.0 276.0#

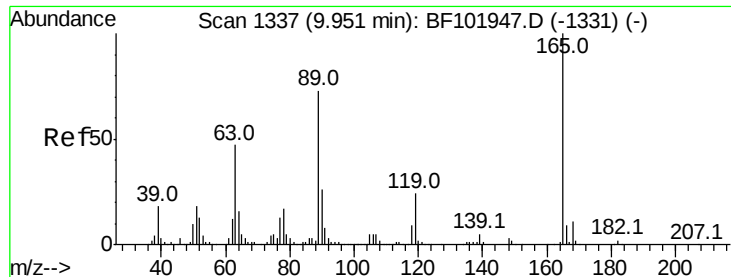


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

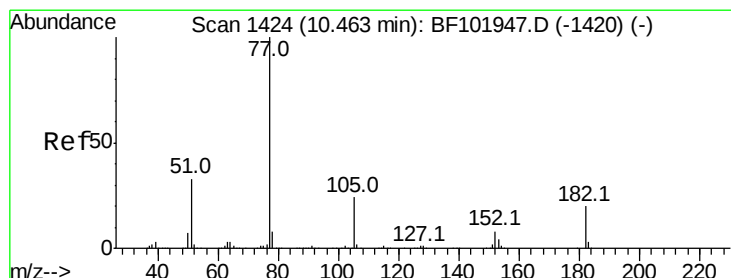
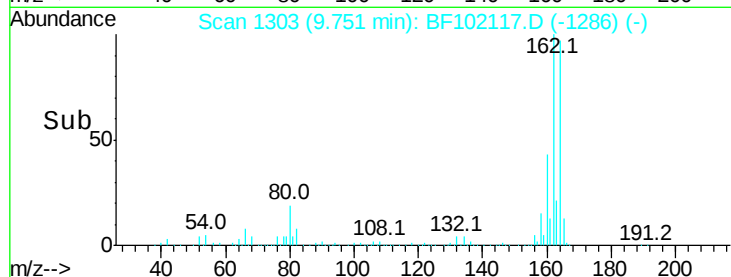
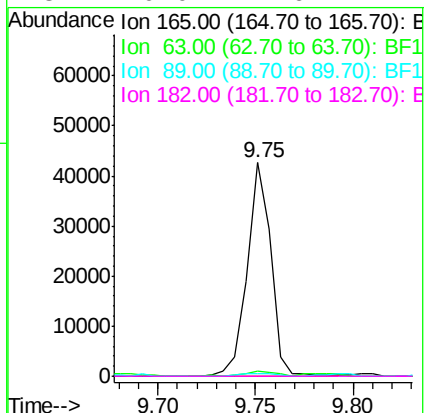
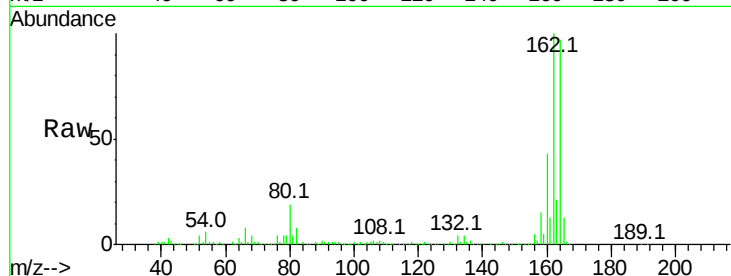




#56
2,4-Dinitrotoluene
Concen: 6.608 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

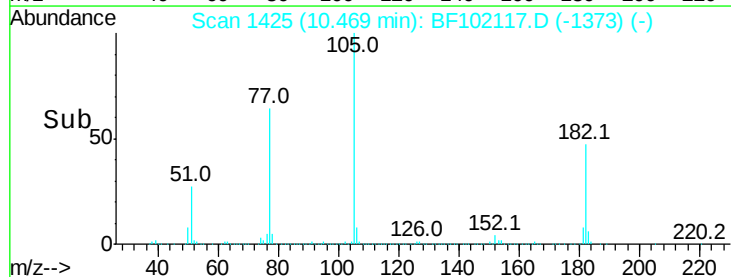
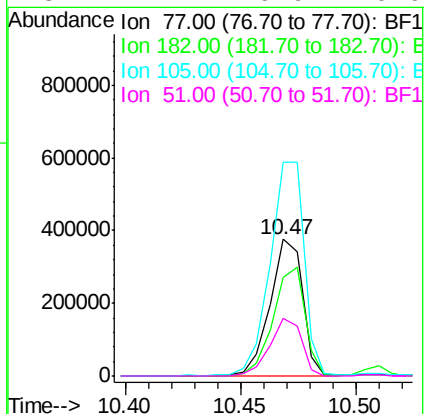
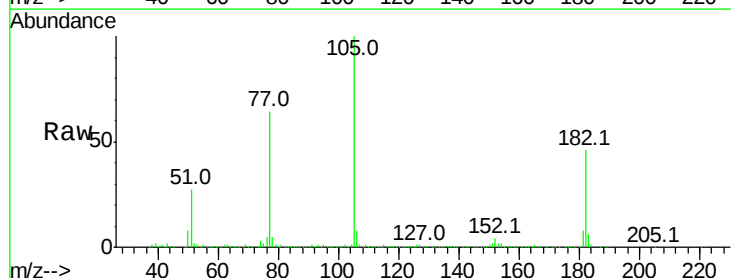
Instrument :
BNA_F
ClientSampleId :

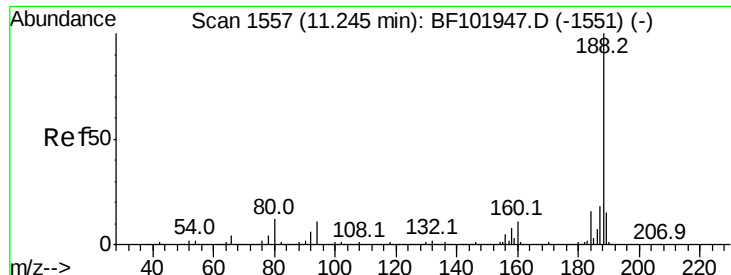
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.7	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#62
Azobenzene
Concen: 16.994 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

Tgt Ion	Ratio	Lower	Upper
77	100		
182	72.6	1.7	41.7#
105	156.2	3.0	43.0#
51	42.4	9.9	49.9

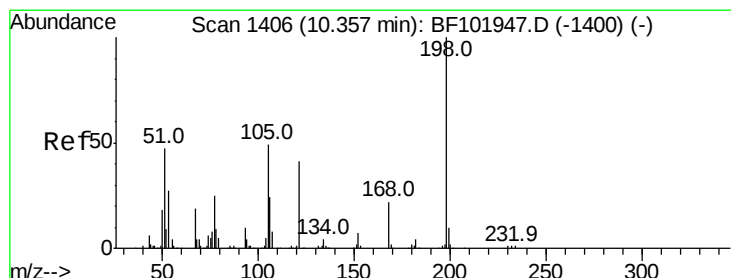
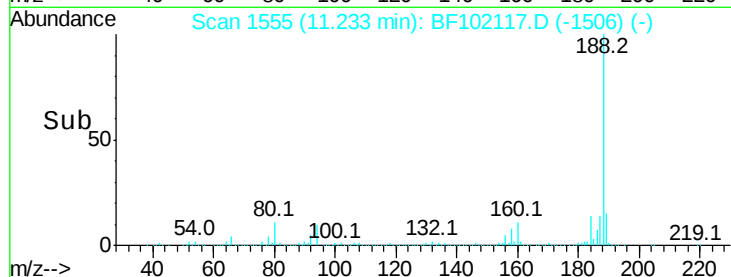
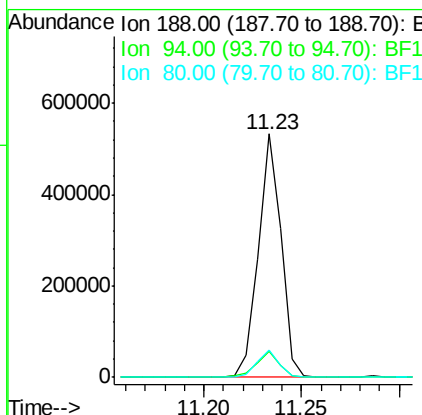
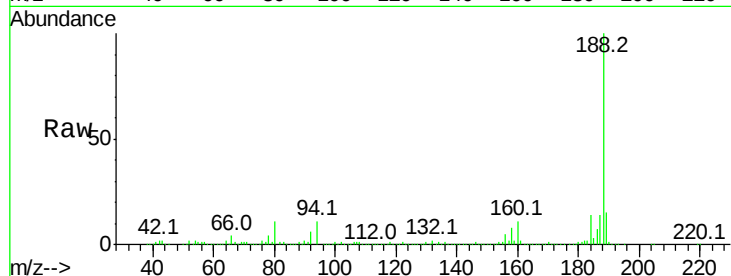




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

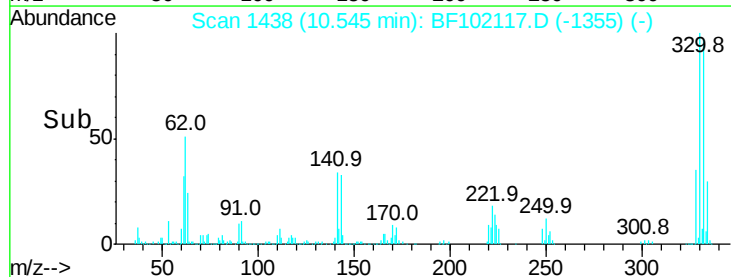
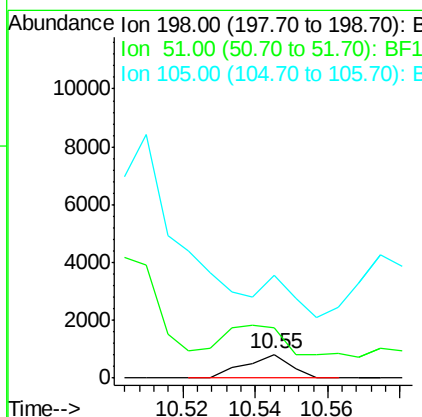
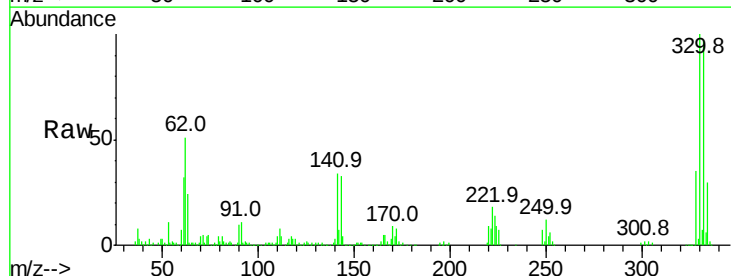
Instrument :
BNA_F
ClientSampleId :

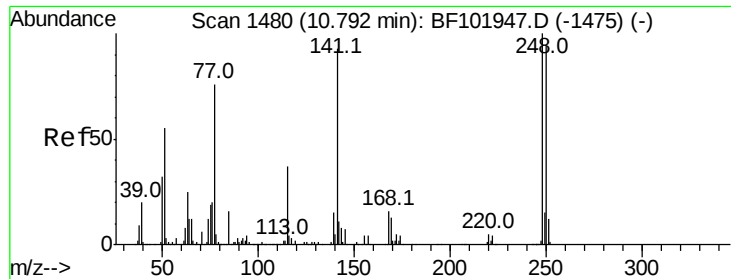
Tot Ion:188 Resp: 428734
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.928 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

Tgt Ion:198 Resp: 702
Ion Ratio Lower Upper
198 100
51 207.1 37.7 77.7#
105 429.4 36.3 76.3#

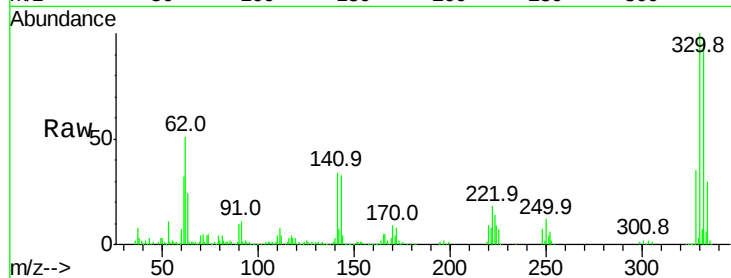




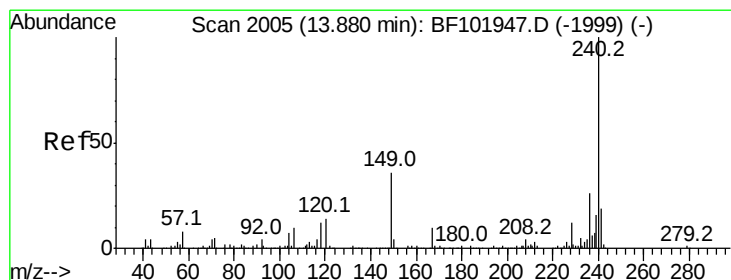
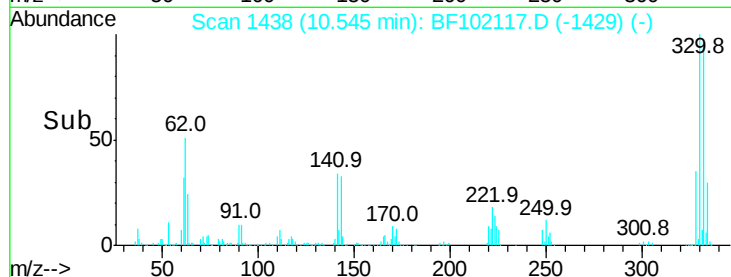
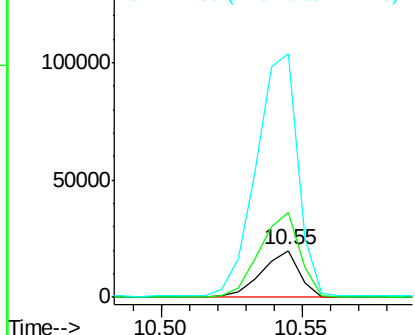
#66
4-Bromophenyl-phenylether
Concen: 4.056 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18366
Ion Ratio Lower Upper
248 100
250 182.4 76.9 115.3#
141 520.3 74.4 111.6#

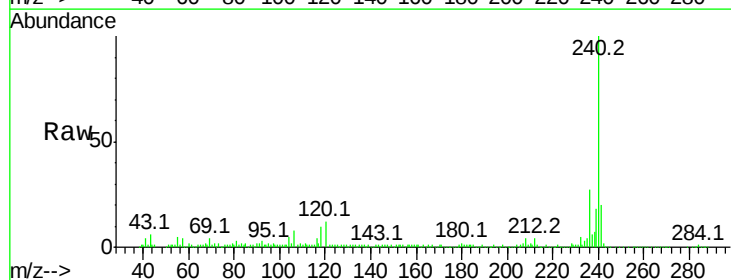


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

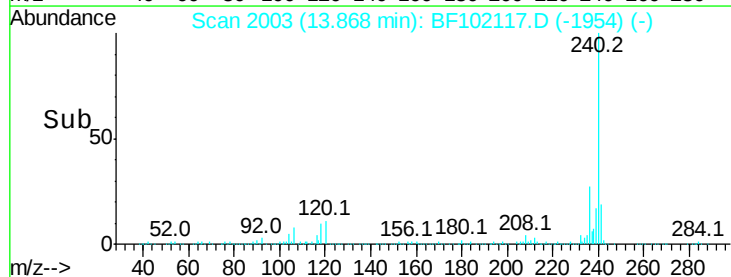
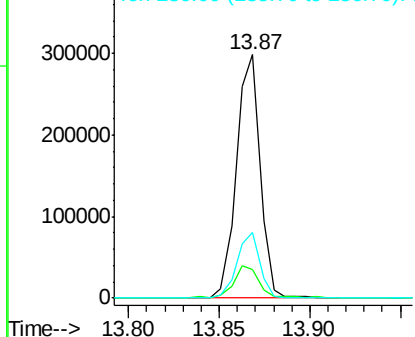


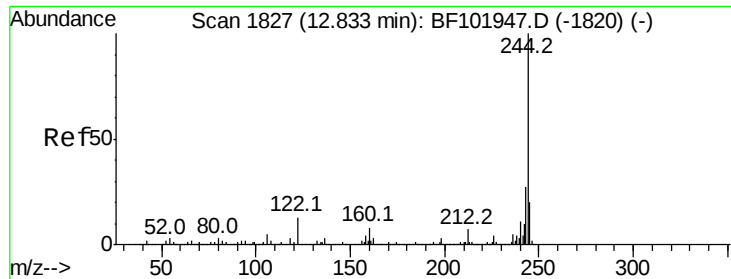
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102117.D
Acq: 16 Jan 2018 18:48

Tgt Ion:240 Resp: 273050
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 26.8 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

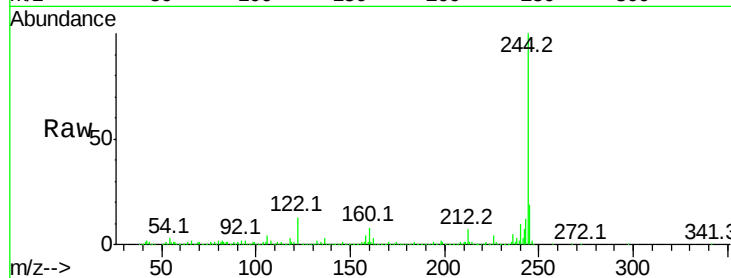




#78
 Terphenyl-d14
 Concen: 71.456 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102117.D
 Acq: 16 Jan 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.9	11.0	16.4

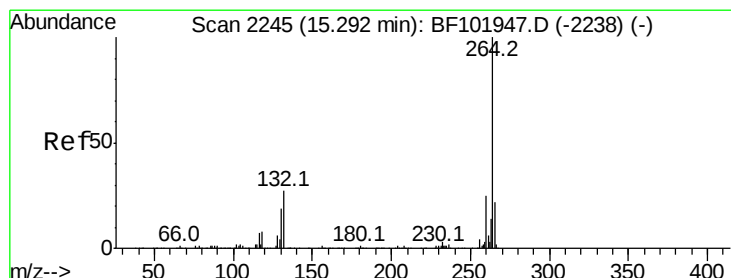
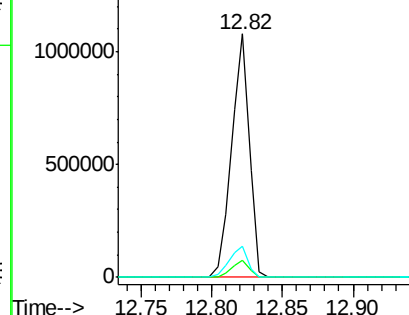
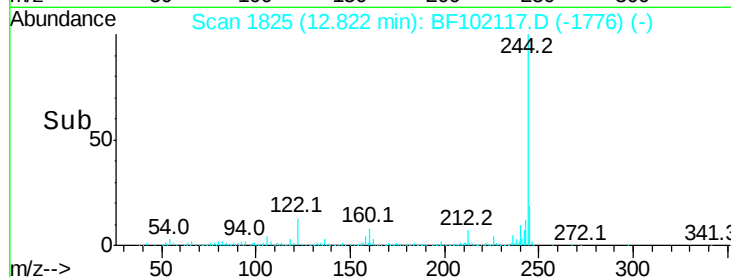


Abundance

Ion 244.00 (243.70 to 244.70): E

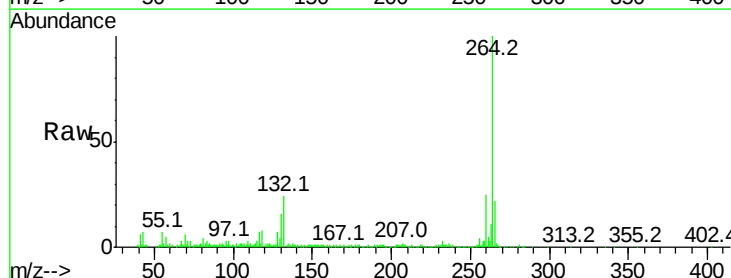
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102117.D
 Acq: 16 Jan 2018 18:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.0	17.5	26.3

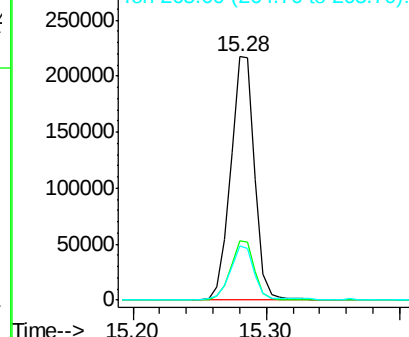
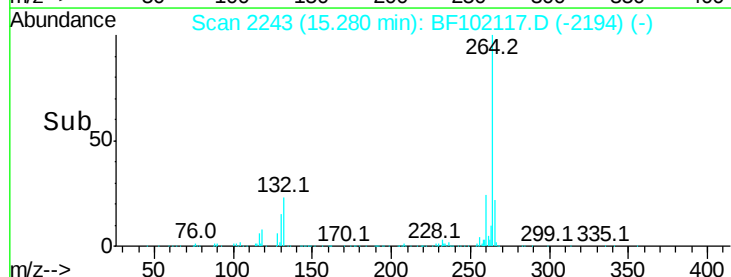


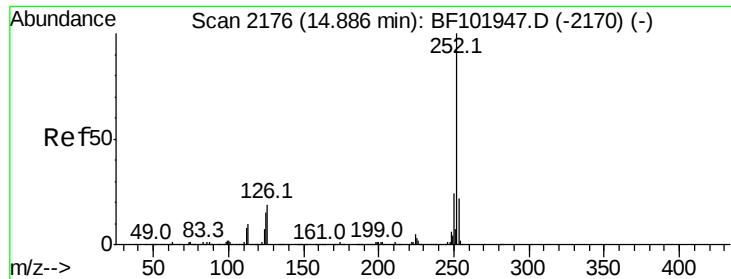
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.510 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

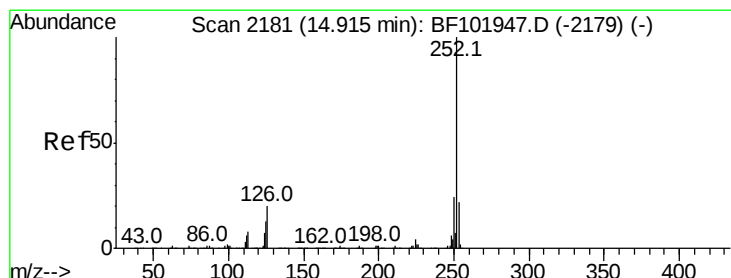
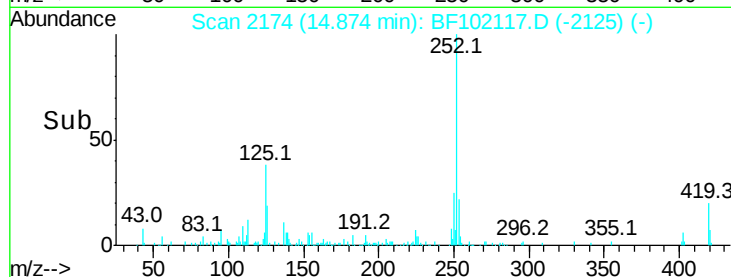
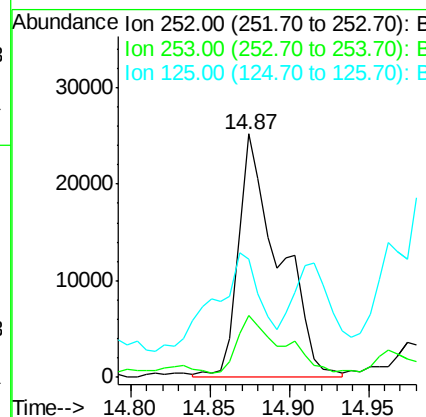
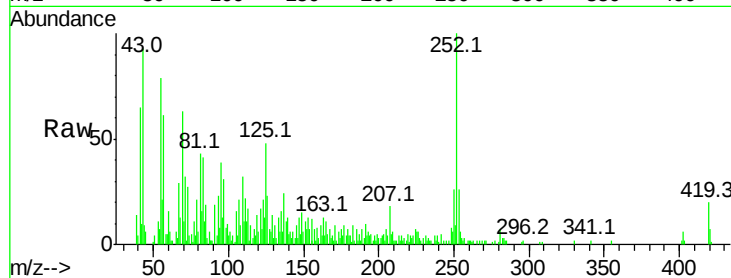
Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44959

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.0	25.6#
125	48.5	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 2.602 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF102117.D

Acq: 16 Jan 2018 18:48

Tgt Ion:252 Resp: 44959

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	48.5	10.2	15.2#

