

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073018\
 Data File : BF107804.D
 Acq On : 30 Jul 2018 17:13
 Operator : JU/SJ
 Sample : PB111493BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

Quant Time: Jul 30 18:08:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	150460	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	652792	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	306291	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	679802	20.00	ng	0.00
75) Chrysene-d12	14.15	240	561402	20.00	ng	0.00
86) Perylene-d12	15.68	264	452298	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	921181	104.05	ng	0.00
7) Phenol-d6	6.60	99	1166906	100.01	ng	0.00
23) Nitrobenzene-d5	7.52	82	748270	66.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	404063	97.09	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1525201	69.39	ng	0.00
78) Terphenyl-d14	13.08	244	1818123	70.23	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.81	88	218	5.840	ng	# 1
4) n-Nitrosodimethylamine	3.55	42	684	0.152	ng	# 1
6) Aniline	6.74	93	1242	0.102	ng	# 1
8) 2-Chlorophenol	6.75	128	134	0.012	ng	# 1
9) Benzaldehyde	6.60	77	1177	0.167	ng	# 1
10) Phenol	6.74	94	1644	0.118	ng	# 1
11) bis(2-Chloroethyl)ether	6.74	93	1242	0.100	ng	# 1
15) Benzyl Alcohol	7.11	79	11975	1.651	ng	# 47
16) 2,2'-oxybis(1-Chloropropan	7.21	45	111	0.006	ng	# 70
18) Hexachloroethane	7.44	117	799	0.171	ng	# 2
19) n-Nitroso-di-n-propylamine	7.52	70	90230	12.191	ng	# 80
24) Nitrobenzene	7.52	77	1788	0.150	ng	# 24
25) Isophorone	7.52	82	754950	40.589	ng	# 64
31) Naphthalene	8.27	128	543	0.018	ng	# 68
45) 1,1'-Biphenyl	9.42	154	2581	0.093	ng	# 66
47) 2-Nitroaniline	9.31	65	1830	0.268	ng	# 1
48) Acenaphthylene	9.88	152	110	0.003	ng	# 60
50) 2,6-Dinitrotoluene	10.00	165	38214	7.644	ng	# 25
51) Acenaphthene	10.00	154	1000	0.053	ng	# 4
56) 2,4-Dinitrotoluene	10.00	165	39405	5.997	ng	# 22
57) Fluorene	10.80	166	13045	0.574	ng	# 84
59) Diethylphthalate	10.40	149	4209	0.170	ng	# 98
62) Azobenzene	10.80	77	1567	0.068	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.80	198	520	0.141	ng	# 1
65) n-Nitrosodiphenylamine	10.80	169	10149	0.453	ng	# 45
66) 4-Bromophenyl-phenylether	10.80	248	23769	3.000	ng	# 1
70) Phenanthrene	11.52	178	363	0.011	ng	# 59
71) Anthracene	11.52	178	363	0.010	ng	# 60
73) Di-n-butylphthalate	12.04	149	2014	0.050	ng	# 78
76) Benzidine	13.08	184	21491	1.184	ng	# 97
77) Pyrene	13.08	202	5404	0.134	ng	# 57
80) Benzo(a)anthracene	14.15	228	1538	0.048	ng	# 66
82) Chrysene	14.15	228	1538	0.045	ng	# 63
83) Bis(2-ethylhexyl)phthalate	14.09	149	491	0.022	ng	# 53

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QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

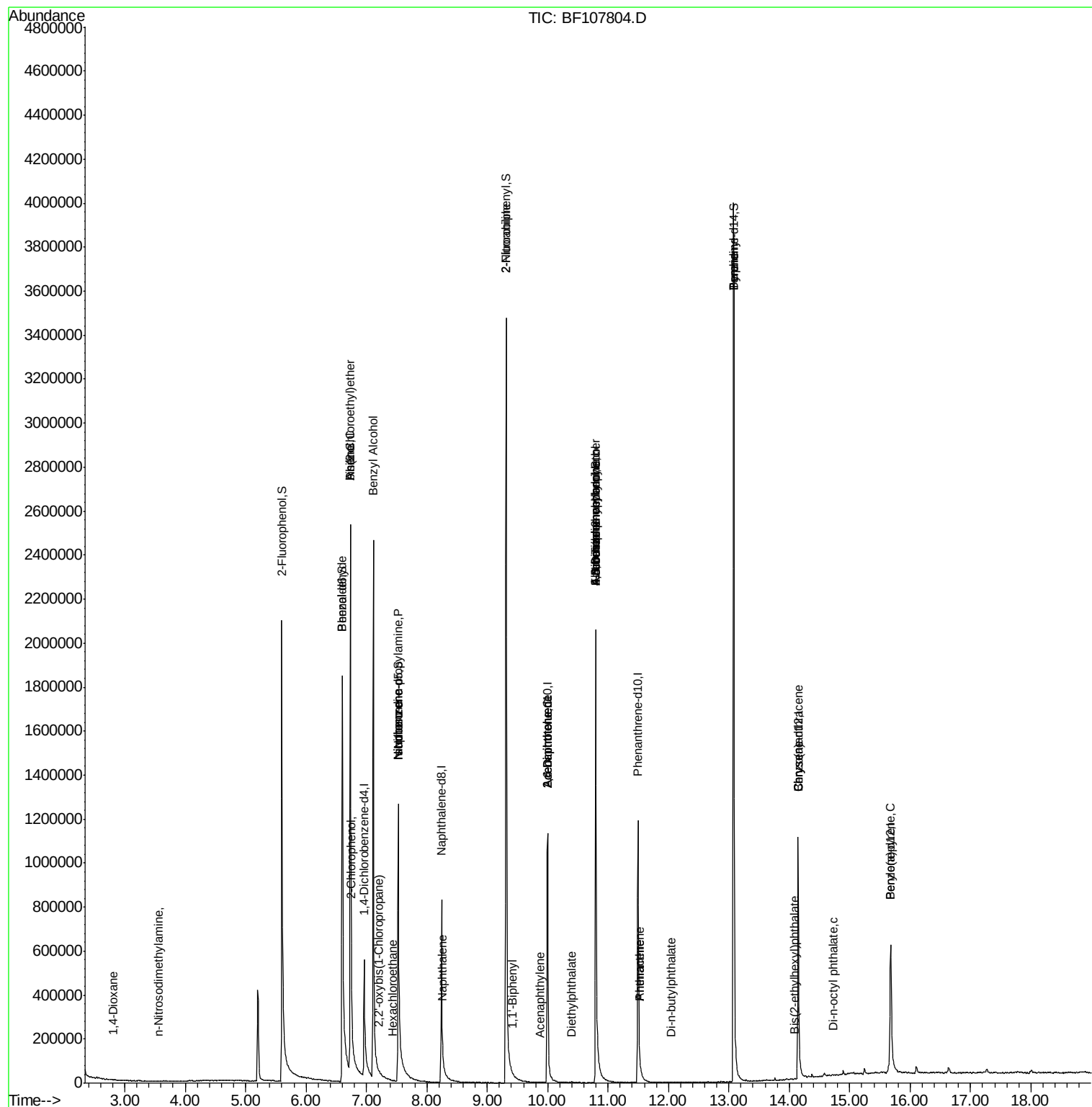
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Di-n-octyl phthalate	14.73	149	635	0.018	ng	# 1
89) Benzo(a)pyrene	15.68	252	1379	0.060	ng	# 38

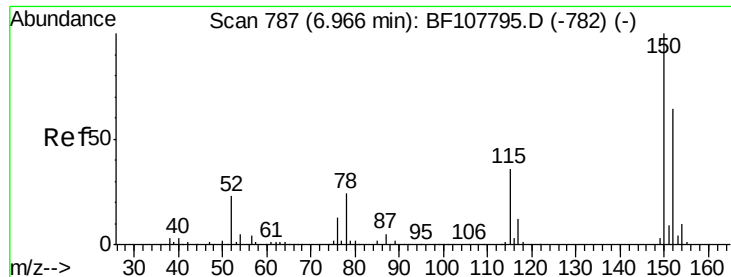
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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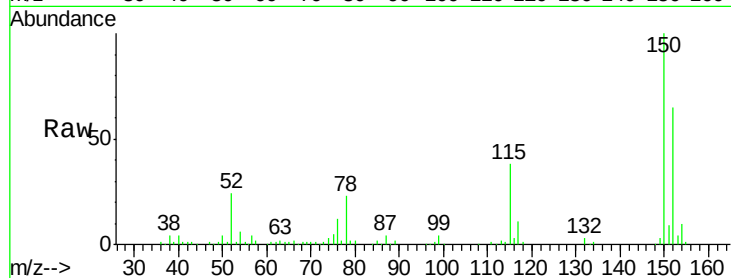


#1

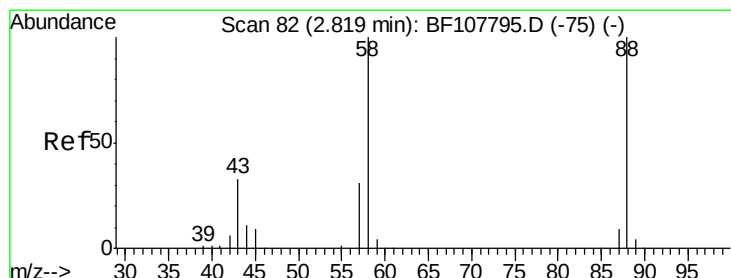
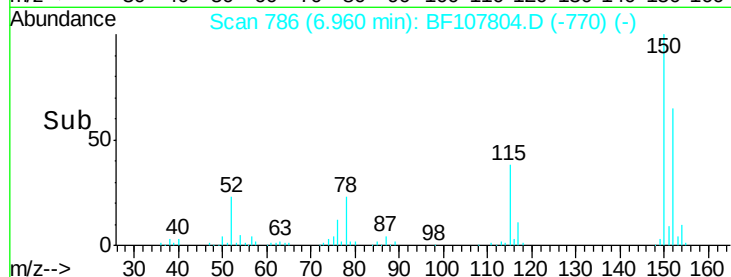
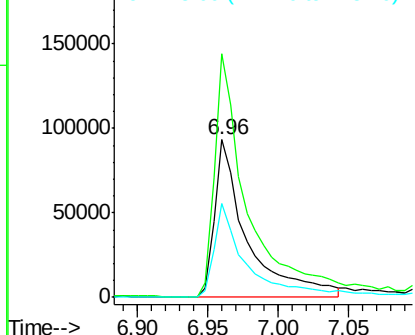
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
PB111493BL

Tgt Ion:152 Resp: 150460
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 59.5 50.1 75.1



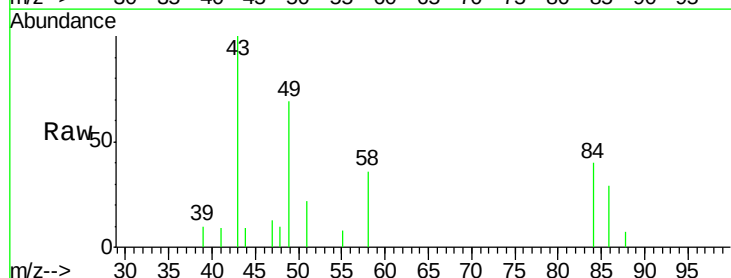
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



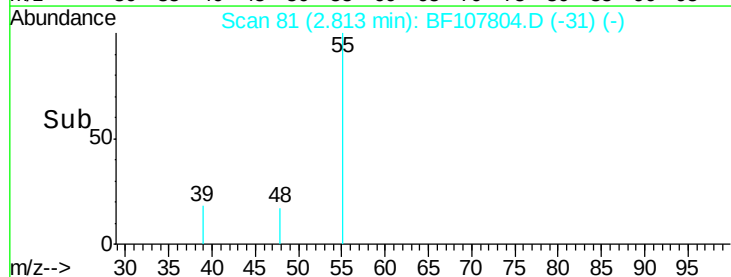
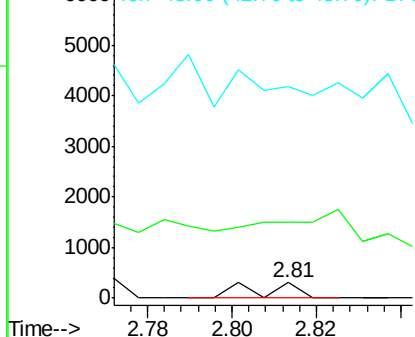
#2

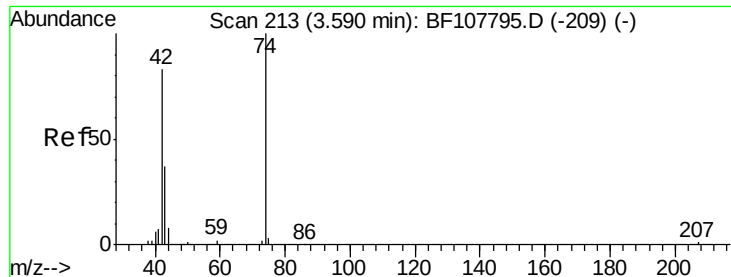
1,4-Dioxane
Concen: 5.840 ng
RT: 2.81 min Scan# 81
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion: 88 Resp: 218
Ion Ratio Lower Upper
88 100
58 467.4 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#4

n-Nitrosodimethylamine

Concen: 0.152 ng

RT: 3.55 min Scan# 207

Delta R.T. -0.04 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

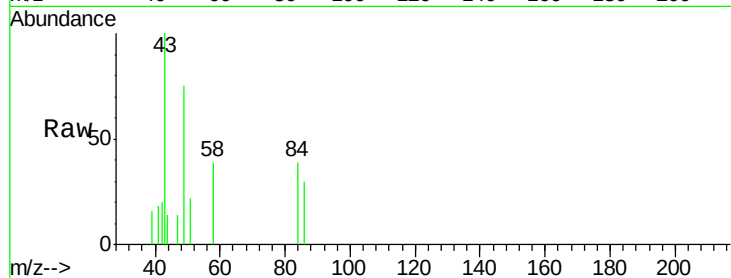
Tgt Ion: 42 Resp: 684

Ion Ratio Lower Upper

42 100

74 0.0 104.9 157.3#

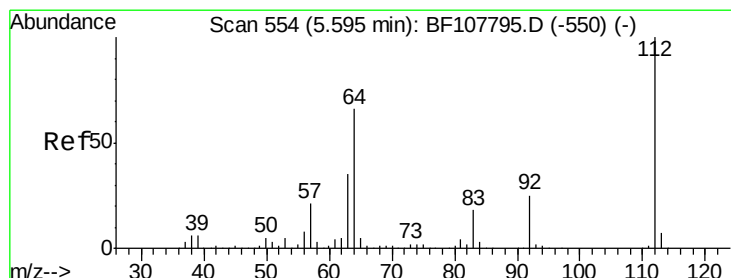
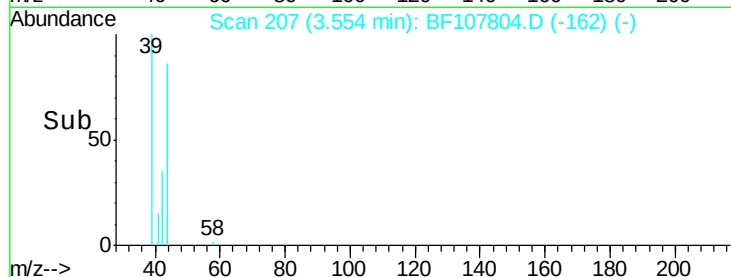
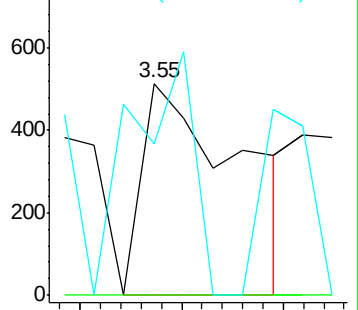
44 71.2 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1



#5

2-Fluorophenol

Concen: 104.054 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

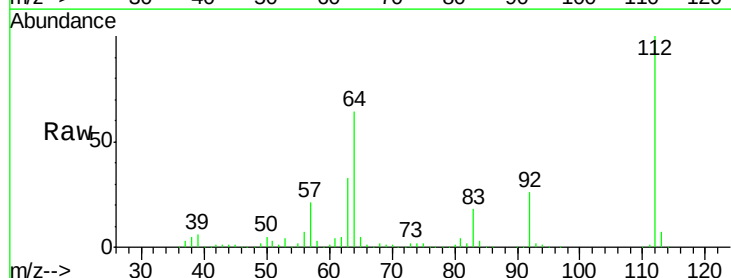
Tgt Ion: 112 Resp: 921181

Ion Ratio Lower Upper

112 100

64 63.8 47.9 71.9

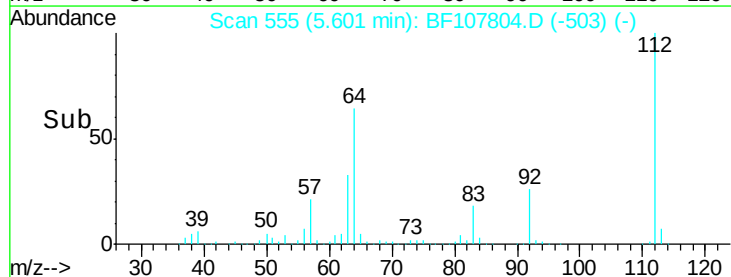
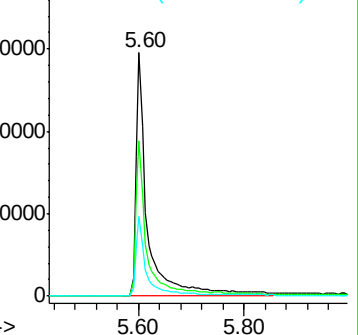
63 32.7 23.7 35.5

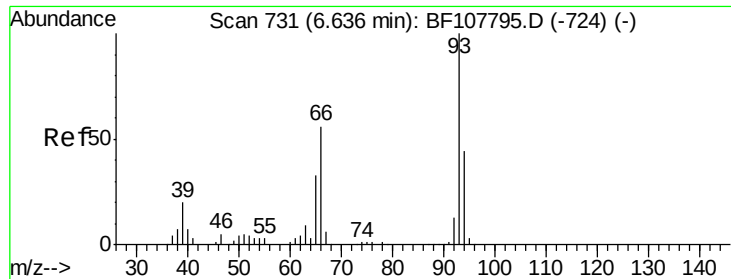


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

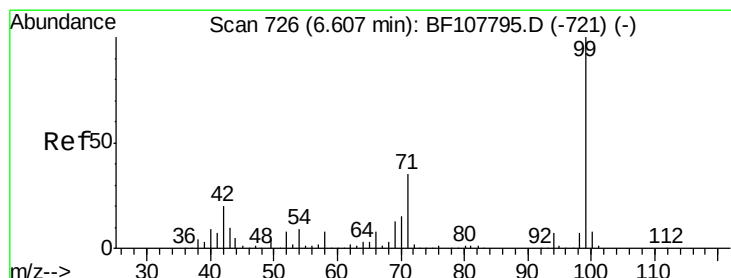
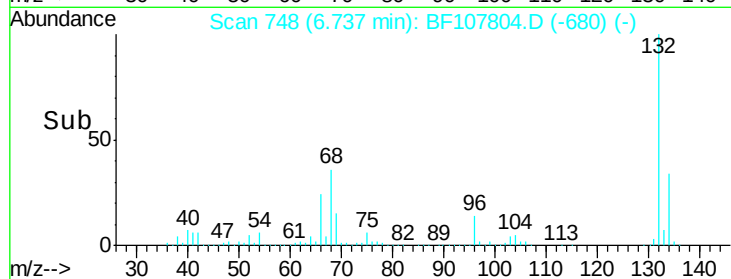
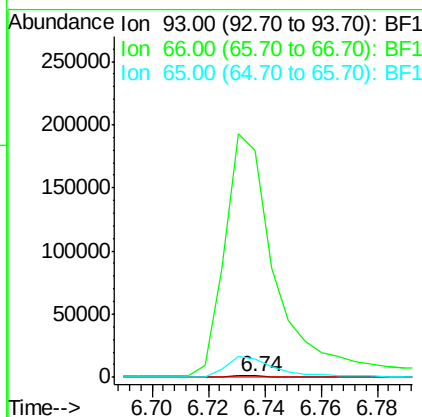
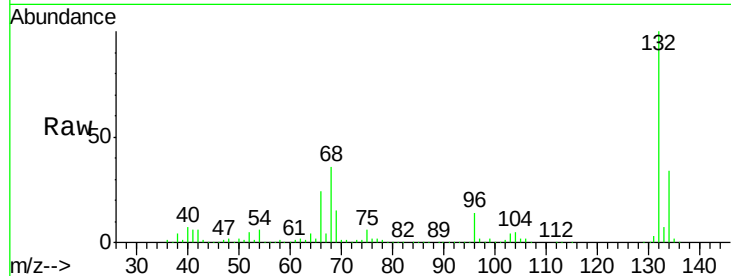




#6
 Aniline
 Concen: 0.102 ng
 RT: 6.74 min Scan# 748
 Delta R.T. 0.10 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

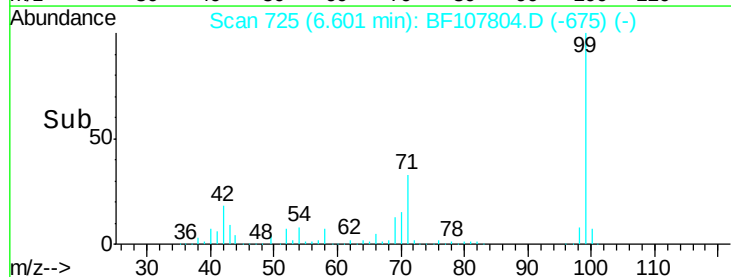
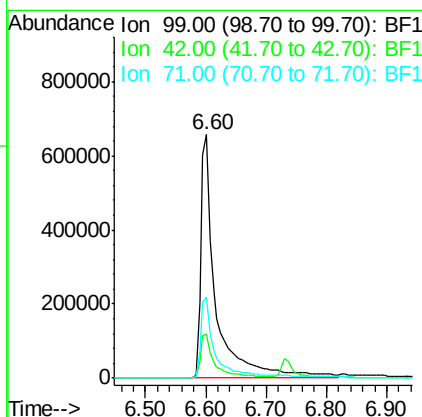
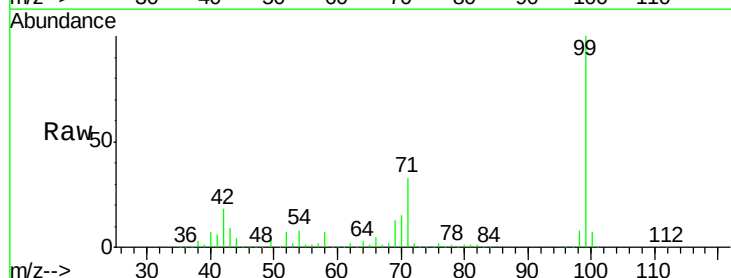
Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

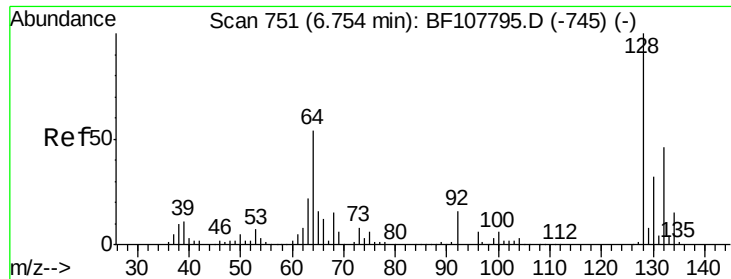
Tgt Ion: 93 Resp: 1242
 Ion Ratio Lower Upper
 93 100
 66 16711.4 32.2 48.2#
 65 1377.2 16.4 24.6#



#7
 Phenol-d6
 Concen: 100.012 ng
 RT: 6.60 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

Tgt Ion: 99 Resp: 1166906
 Ion Ratio Lower Upper
 99 100
 42 18.0 14.5 21.7
 71 33.2 25.4 38.0





#8

2-Chlorophenol

Concen: 0.012 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

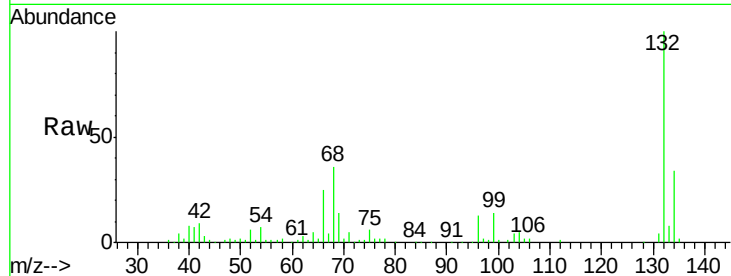
Tgt Ion:128 Resp: 134

Ion Ratio Lower Upper

128 100

130 0.0 13.0 53.0#

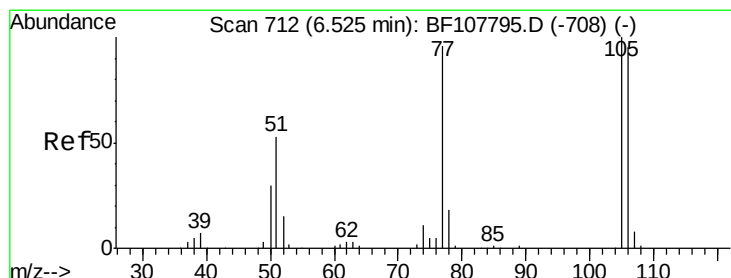
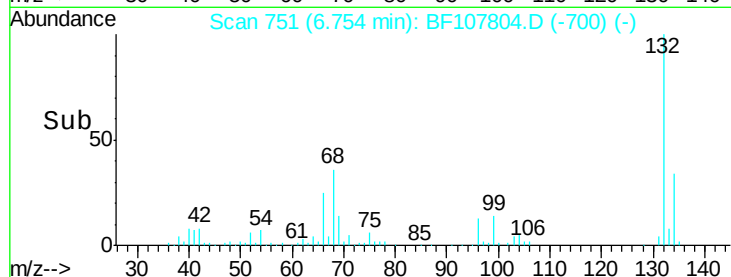
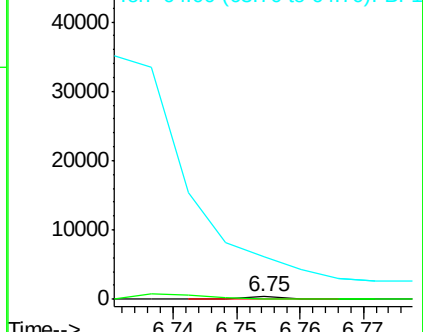
64 1636.2 29.4 69.4#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1



#9

Benzaldehyde

Concen: 0.167 ng

RT: 6.60 min Scan# 724

Delta R.T. 0.07 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

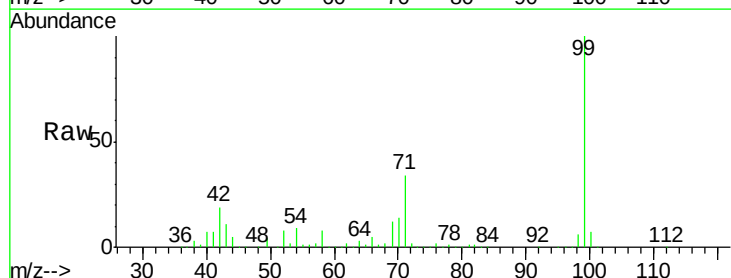
Tgt Ion: 77 Resp: 1177

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

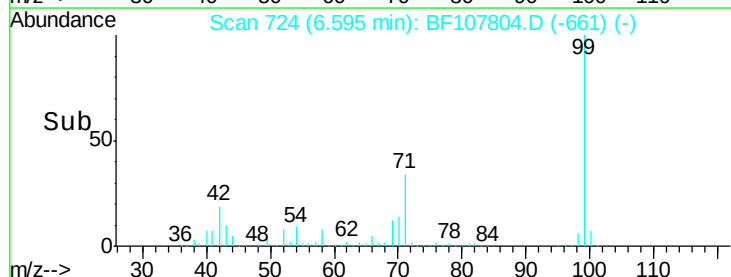
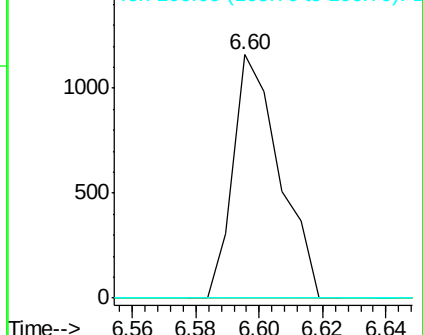
106 0.0 74.5 114.5#

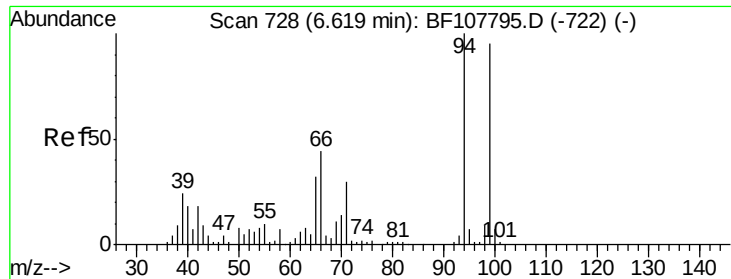


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.118 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.12 min

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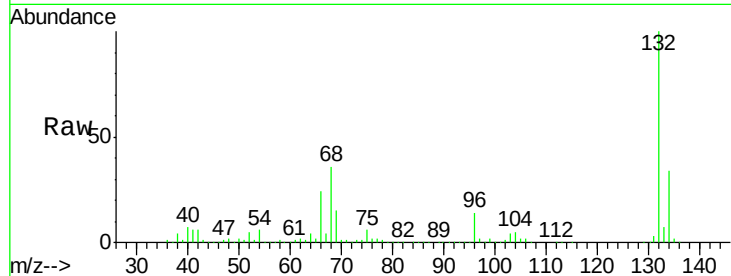
Tgt Ion: 94 Resp: 1644

Ion Ratio Lower Upper

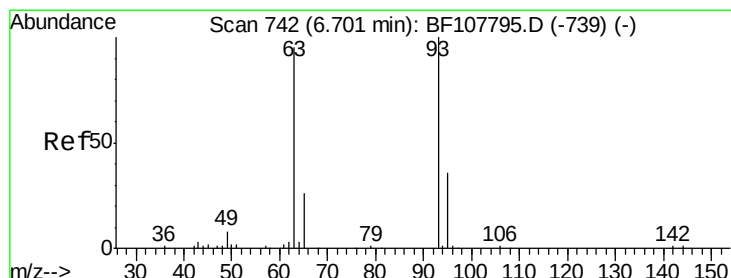
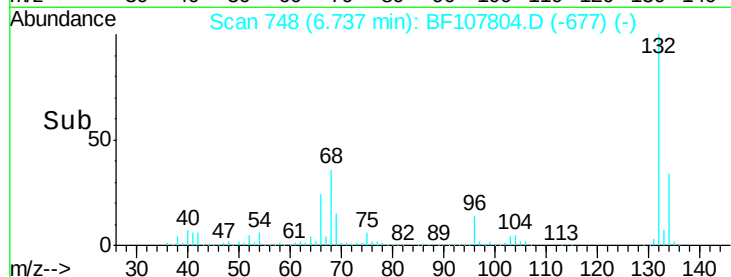
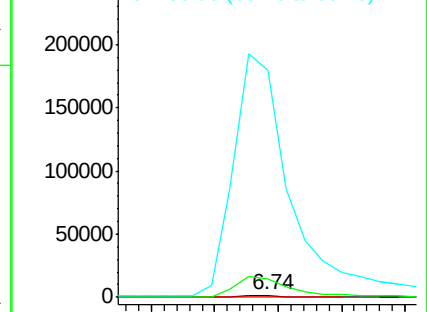
94 100

65 907.2 7.9 47.9#

66 11007.8 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



#11

bis(2-Chloroethyl)ether

Concen: 0.100 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.04 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

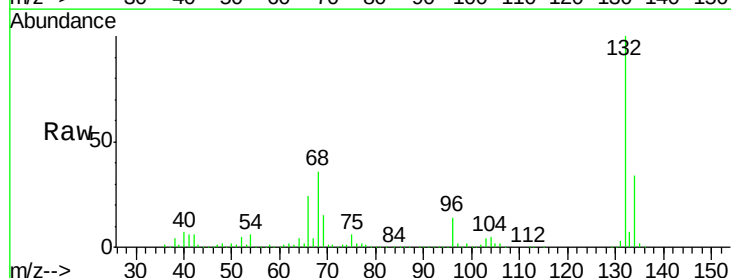
Tgt Ion: 93 Resp: 1242

Ion Ratio Lower Upper

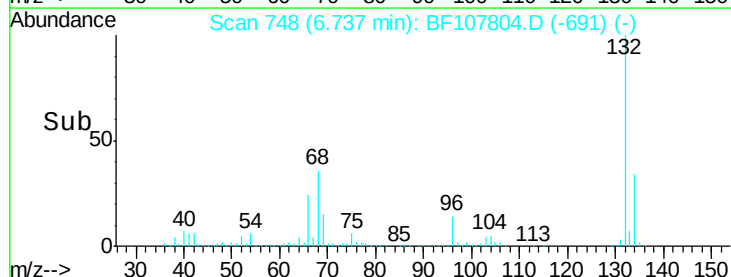
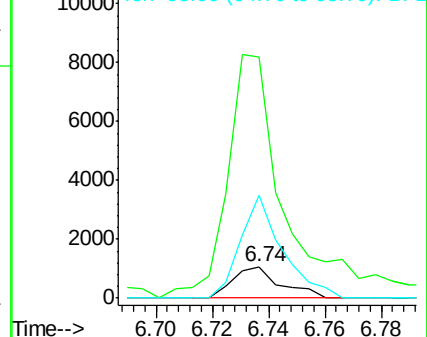
93 100

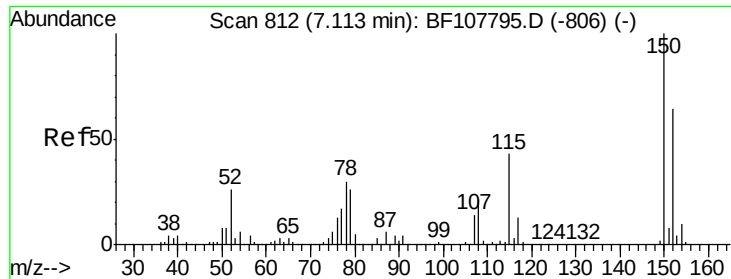
63 761.7 58.6 98.6#

95 324.7 11.8 51.8#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

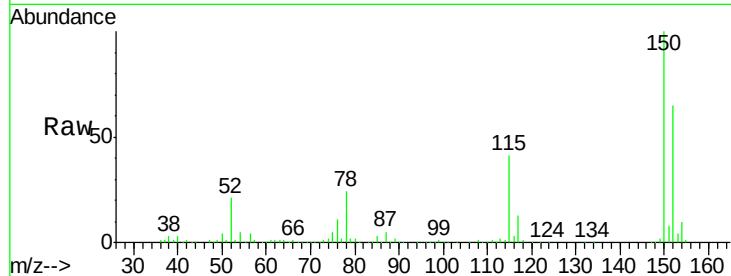




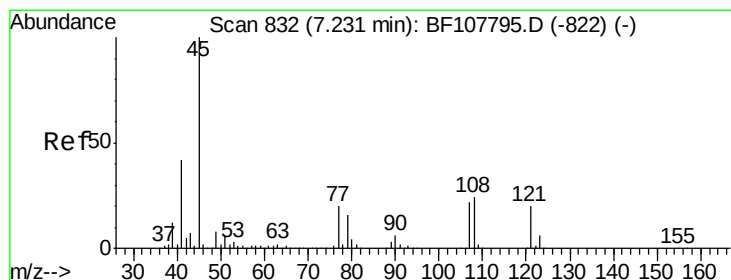
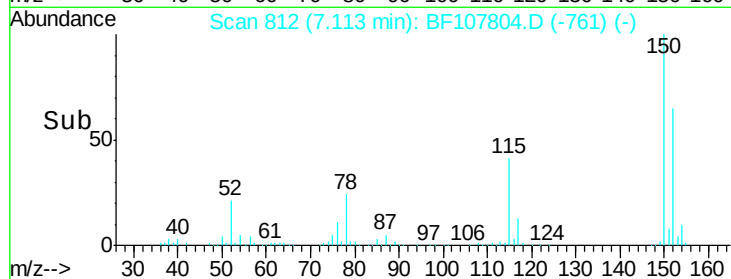
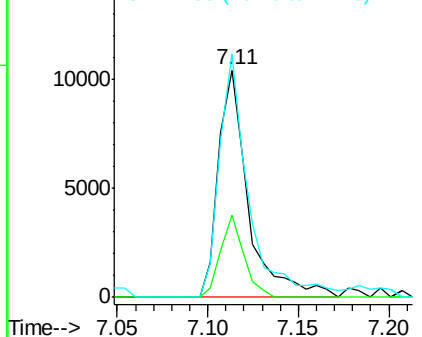
#15
Benzyl Alcohol
Concen: 1.651 ng
RT: 7.11 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Instrument :
BNA_F
ClientSampled :
PB111493BL

Tgt Ion: 79 Resp: 11975
Ion Ratio Lower Upper
79 100
108 36.1 65.1 97.7#
77 107.3 50.6 75.8#

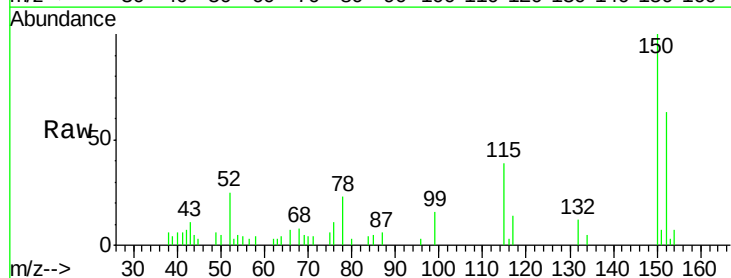


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

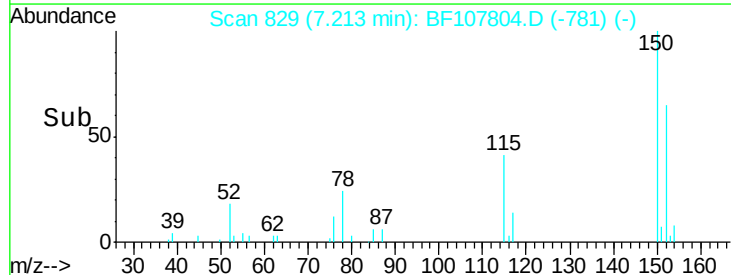
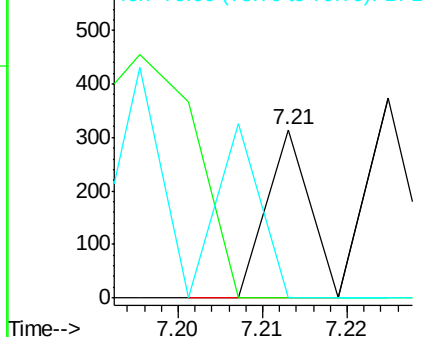


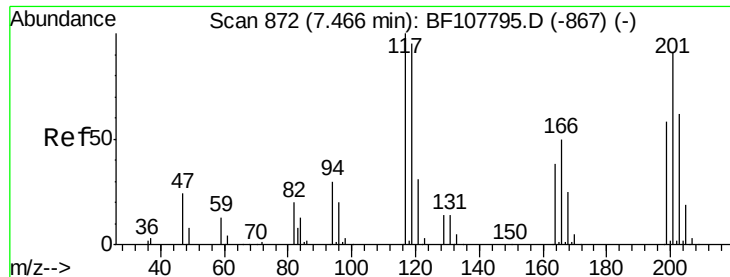
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.006 ng
RT: 7.21 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion: 45 Resp: 111
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.9
79 0.0 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

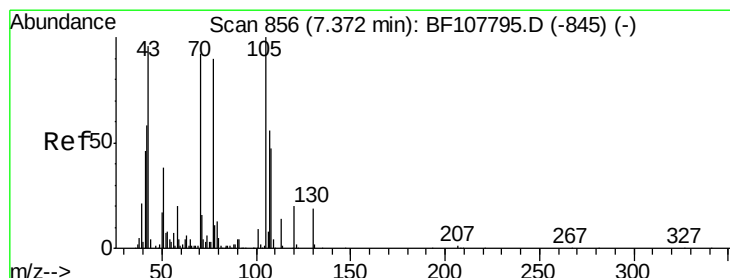
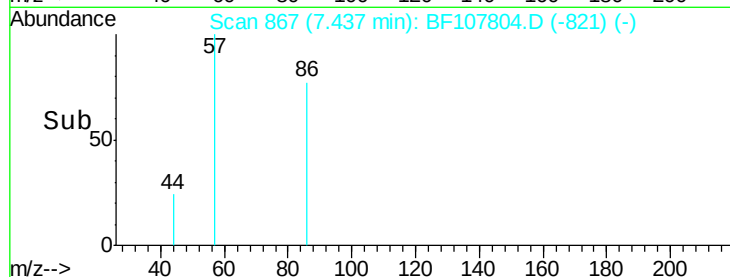
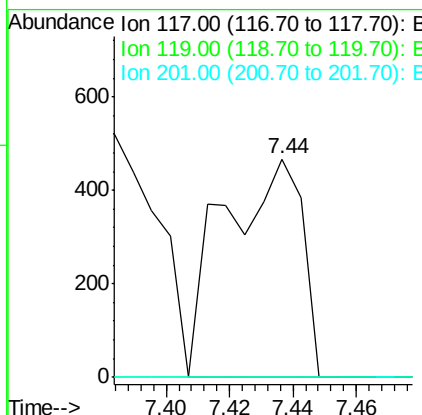
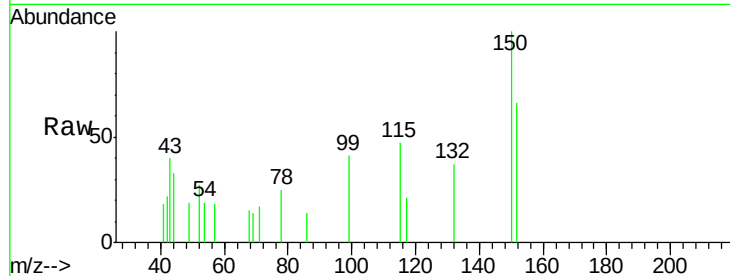




#18
Hexachloroethane
Concen: 0.171 ng
RT: 7.44 min Scan# 867
Delta R.T. -0.03 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

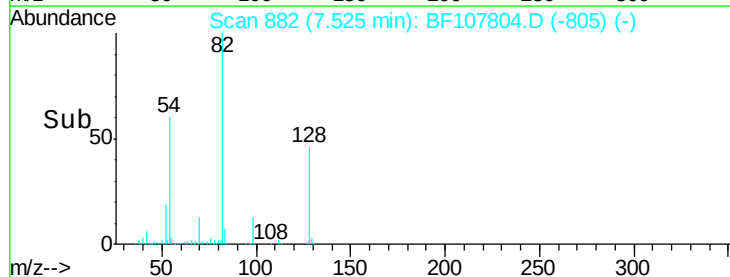
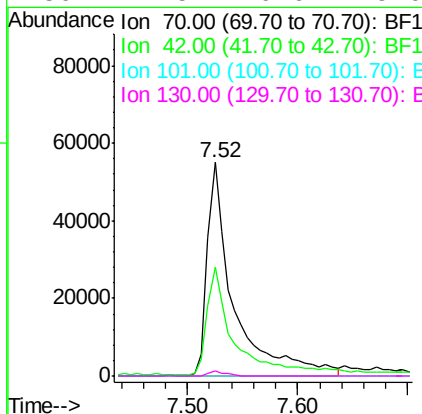
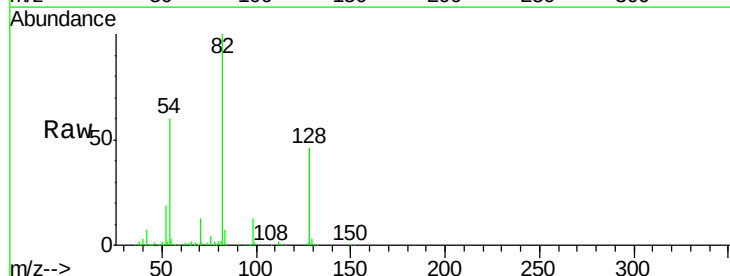
Instrument :
BNA_F
ClientSampleId :
PB111493BL

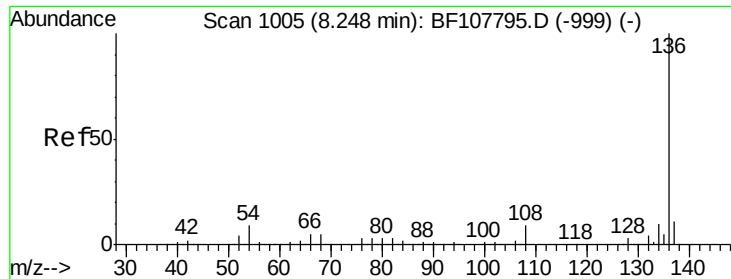
Tgt Ion: 117 Resp: 799
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
201 0.0 75.7 113.5#



#19
n-Nitroso-di-n-propylamine
Concen: 12.191 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion: 70 Resp: 90230
Ion Ratio Lower Upper
70 100
42 50.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

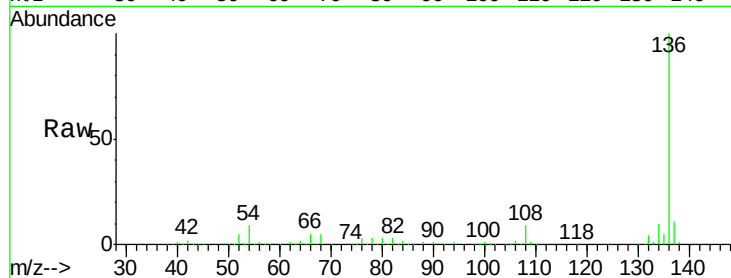




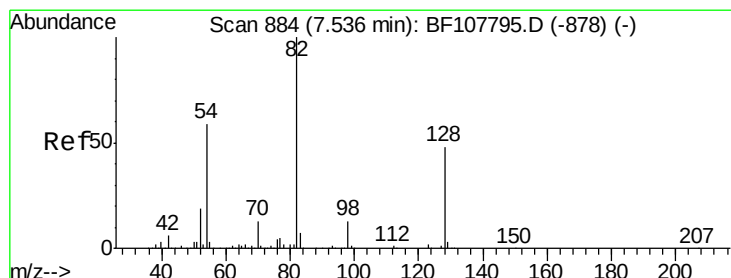
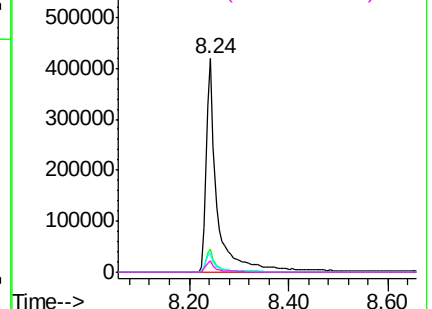
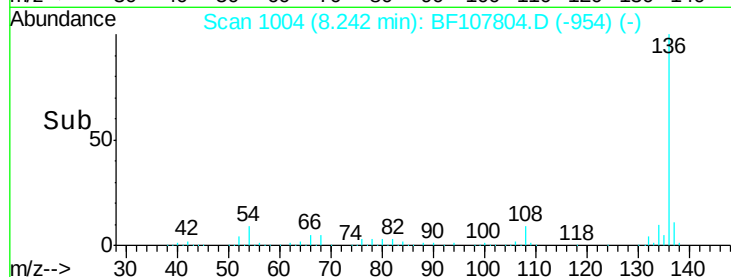
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
PB111493BL

Tgt Ion:	136	Resp:	652792
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	5.2	5.0	7.4

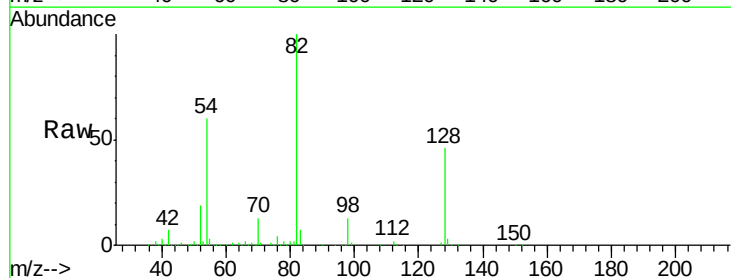


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

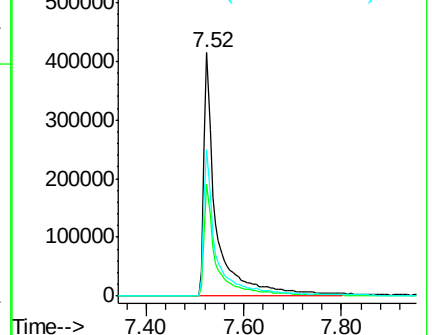
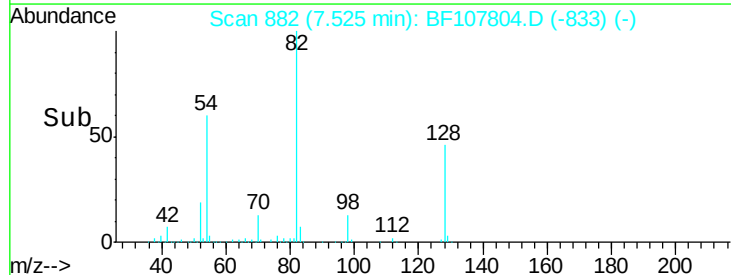


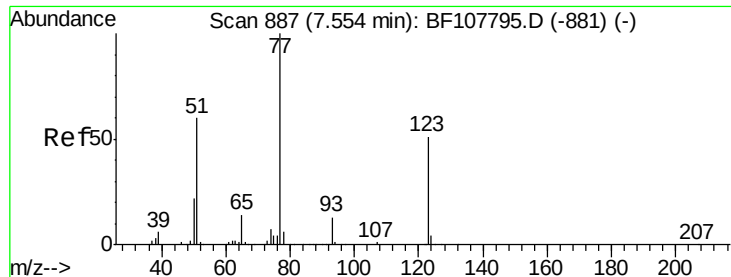
#23
Nitrobenzene-d5
Concen: 66.036 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion:	82	Resp:	748270
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	59.9	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

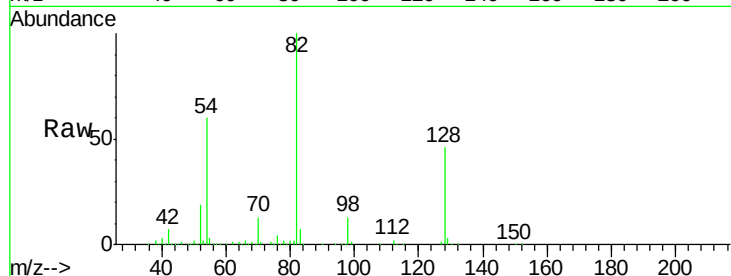




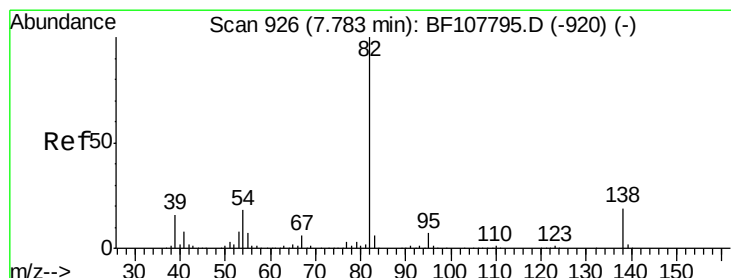
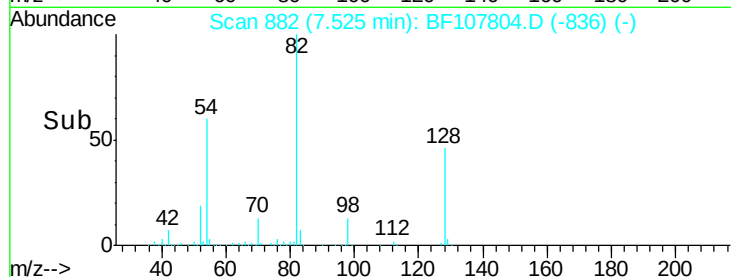
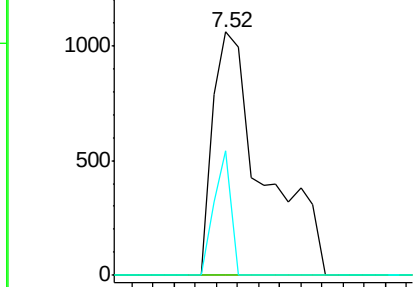
#24
 Nitrobenzene
 Concen: 0.150 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

Tgt Ion: 77 Resp: 1788
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 51.0 11.0 16.4#

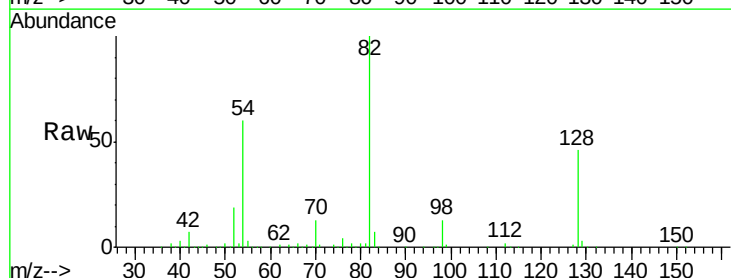


Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

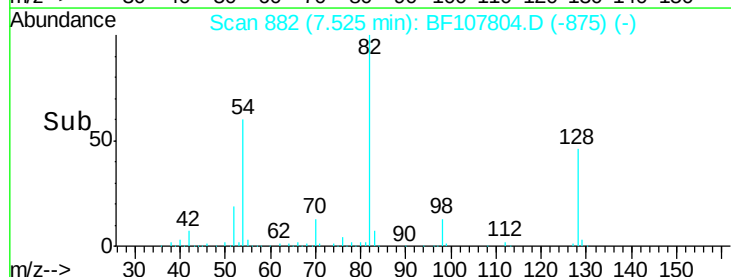
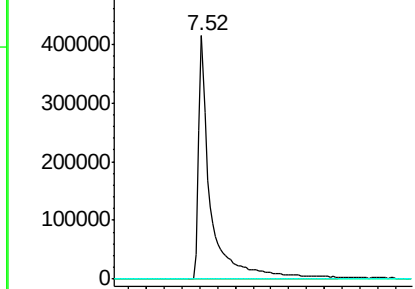


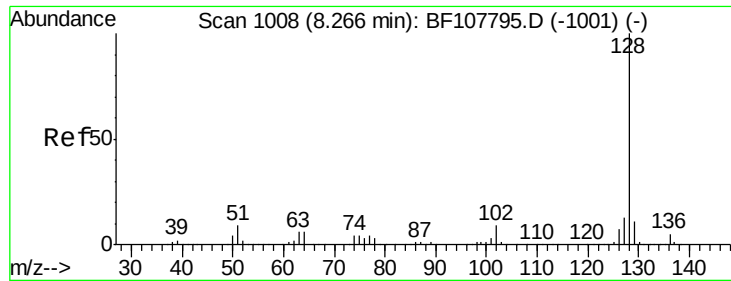
#25
 Isophorone
 Concen: 40.589 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

Tgt Ion: 82 Resp: 754950
 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

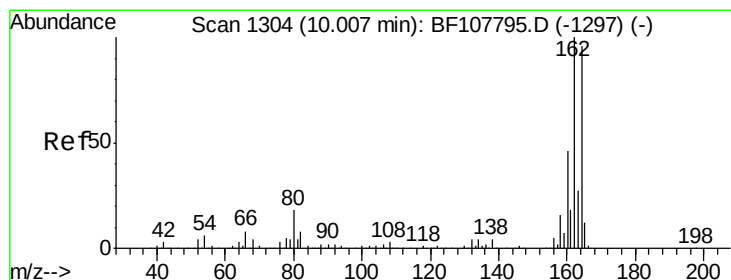
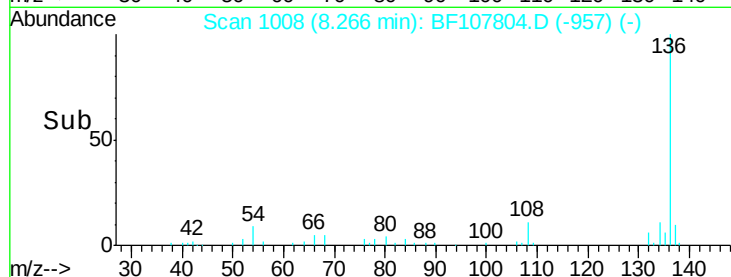
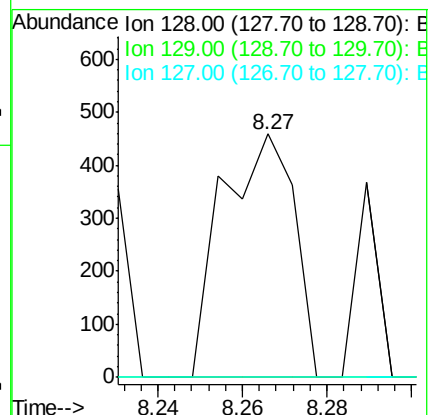
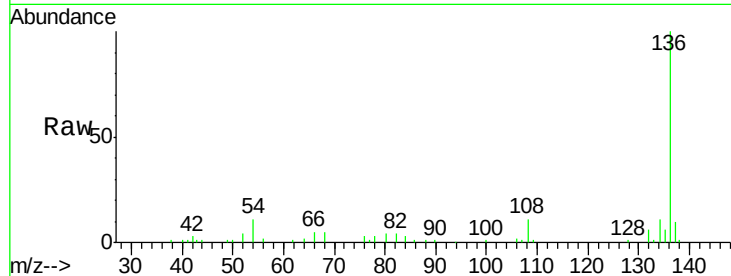




#31
Naphthalene
Concen: 0.018 ng
RT: 8.27 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

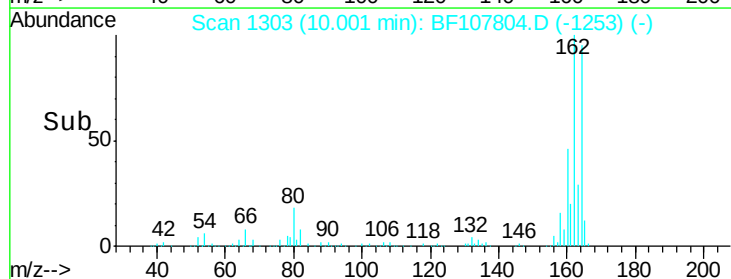
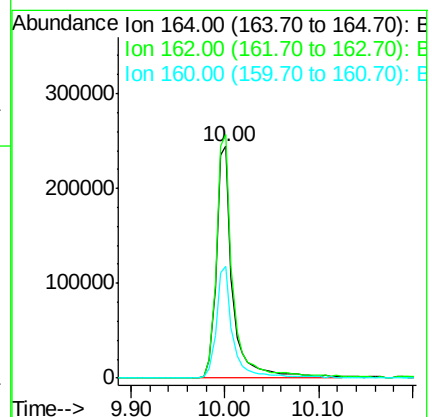
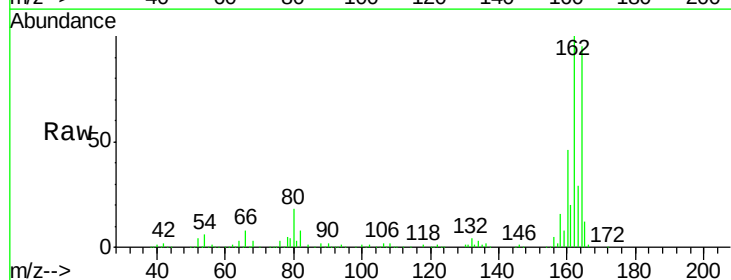
Instrument :
BNA_F
ClientSampleId :
PB111493BL

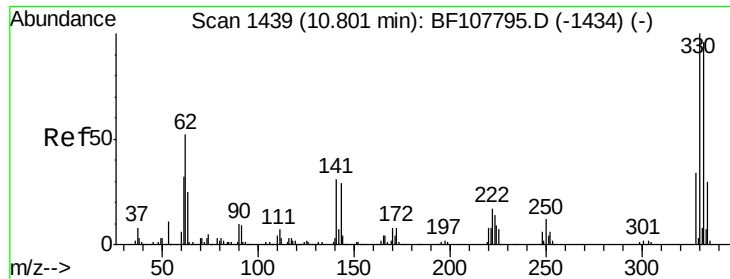
Tgt Ion:128 Resp: 543
Ion Ratio Lower Upper
128 100
129 0.0 8.8 13.2#
127 0.0 10.9 16.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion:164 Resp: 306291
Ion Ratio Lower Upper
164 100
162 105.1 86.1 129.1
160 48.4 38.3 57.5

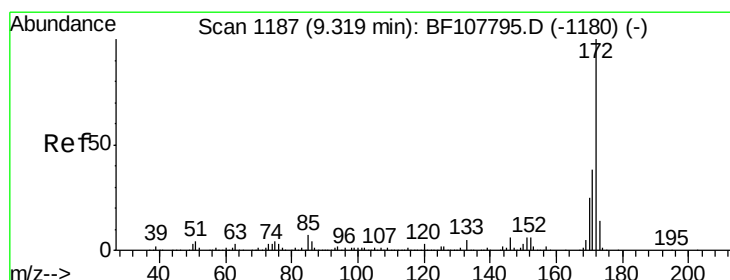
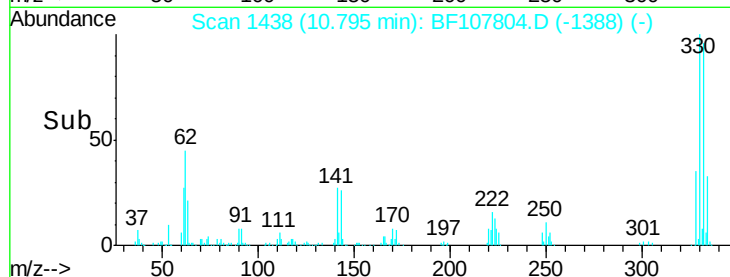
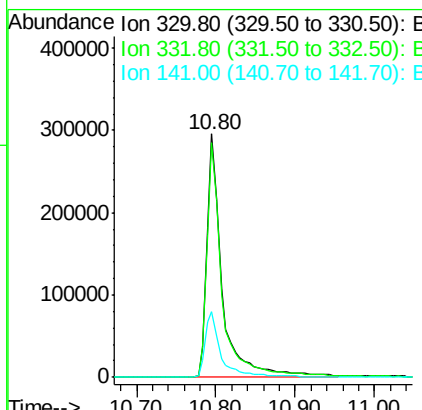
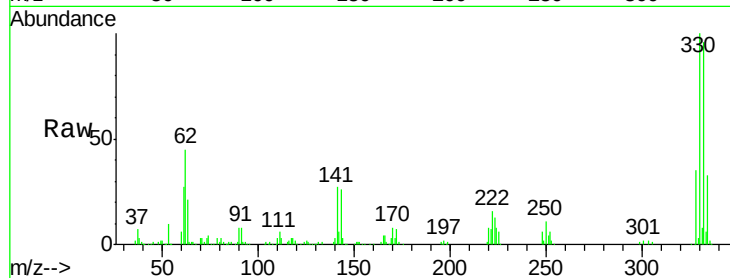




#41
 2,4,6-Tribromophenol
 Concen: 97.087 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

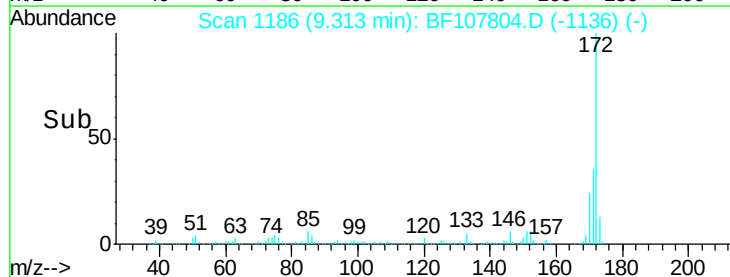
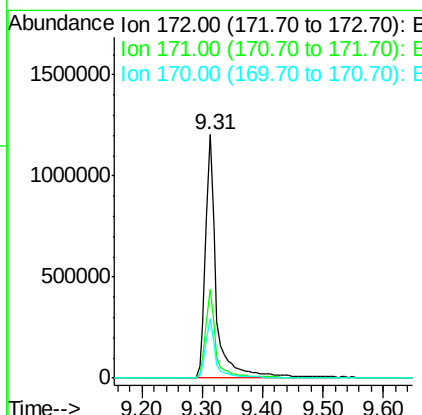
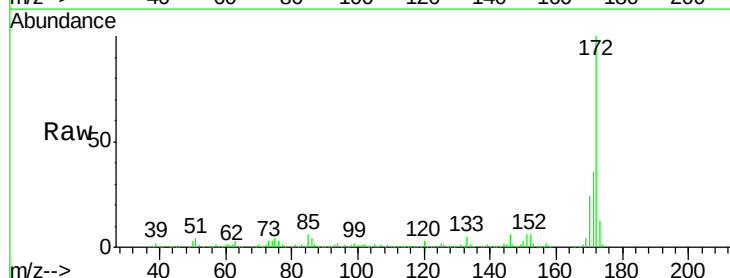
Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

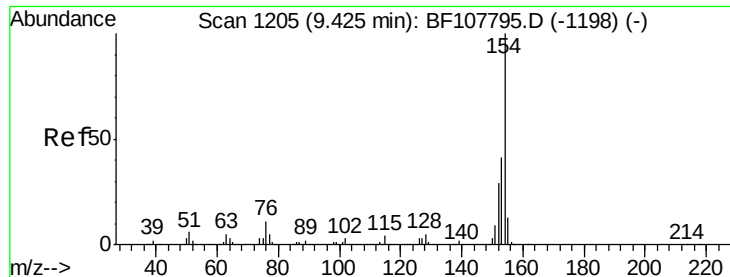
Tgt Ion:330 Resp: 404063
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 28.7 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 69.390 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

Tgt Ion:172 Resp: 1525201
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.1 19.6 29.4

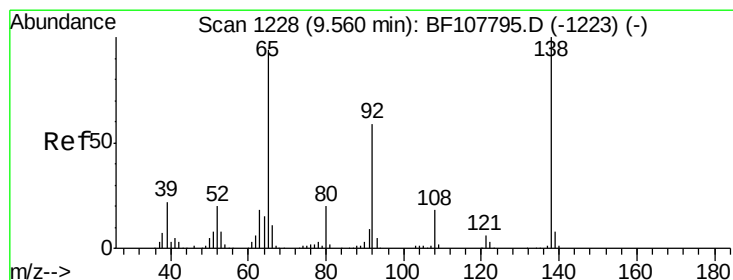
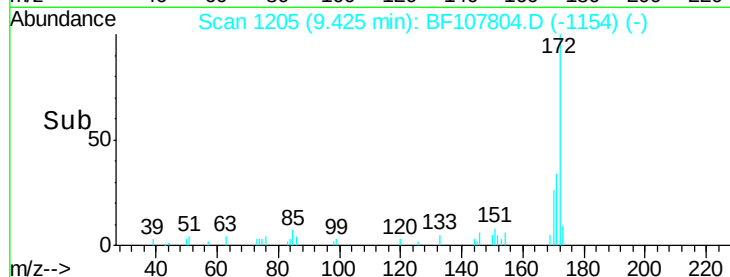
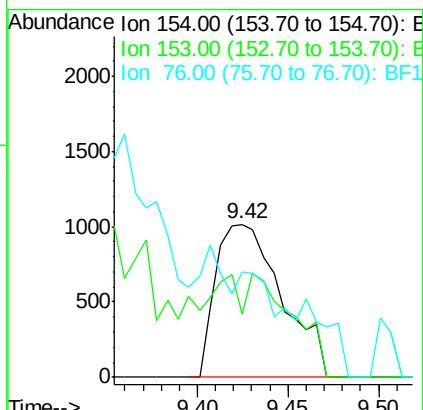
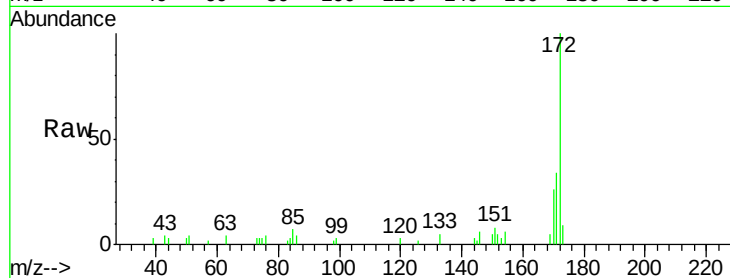




#45
 1,1'-Biphenyl
 Concen: 0.093 ng
 RT: 9.42 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

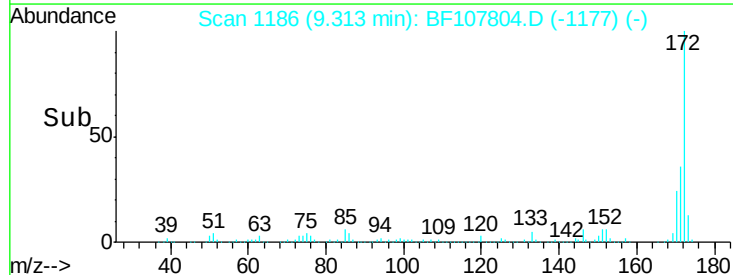
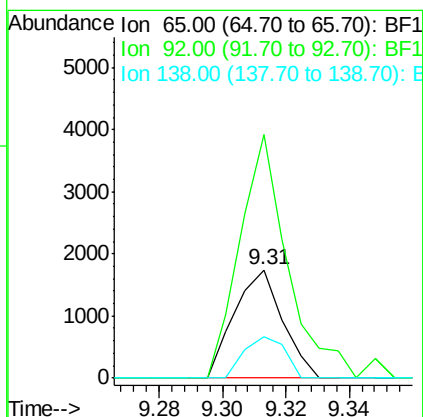
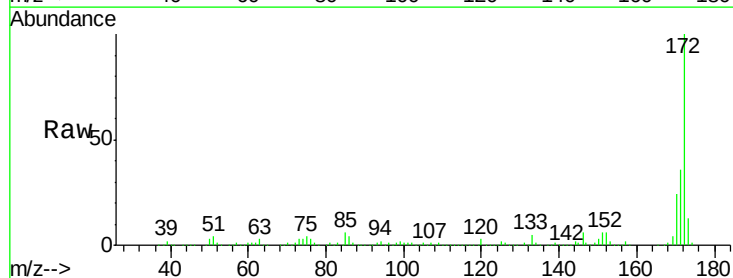
Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

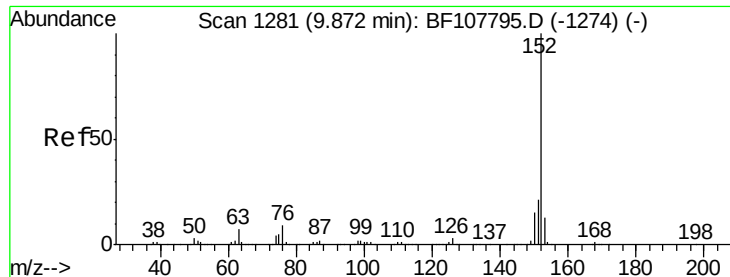
Tgt Ion: 154 Resp: 2581
 Ion Ratio Lower Upper
 154 100
 153 41.0 21.3 61.3
 76 68.5 0.0 34.0#



#47
 2-Nitroaniline
 Concen: 0.268 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.25 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

Tgt Ion: 65 Resp: 1830
 Ion Ratio Lower Upper
 65 100
 92 225.0 55.8 83.6#
 138 38.1 91.2 136.8#





#48

Acenaphthylene

Concen: 0.003 ng

RT: 9.88 min Scan# 1282

Delta R.T. 0.01 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

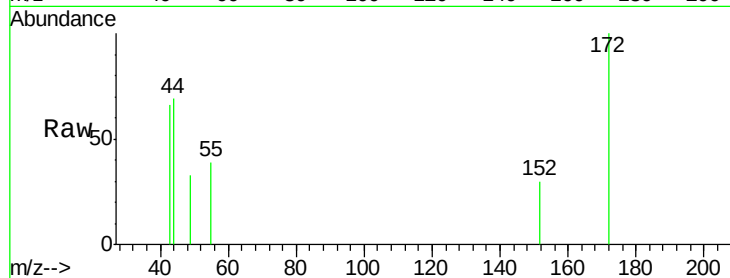
Tgt Ion:152 Resp: 110

Ion Ratio Lower Upper

152 100

151 0.0 16.3 24.5#

153 0.0 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.88

300

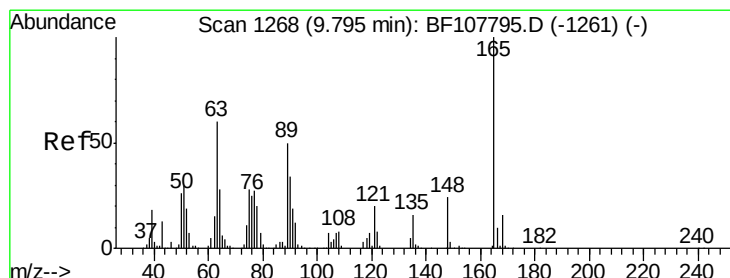
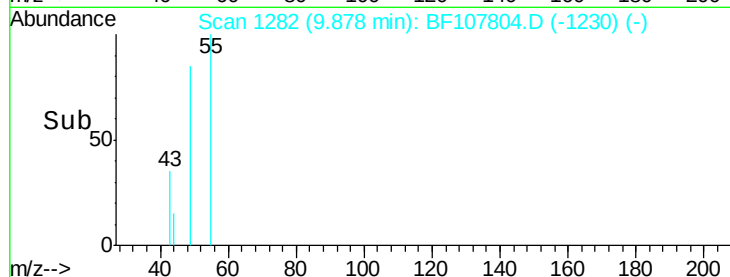
200

100

0

9.87 9.88 9.89

Time-->



#50

2,6-Dinitrotoluene

Concen: 7.644 ng

RT: 10.00 min Scan# 1302

Delta R.T. 0.20 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

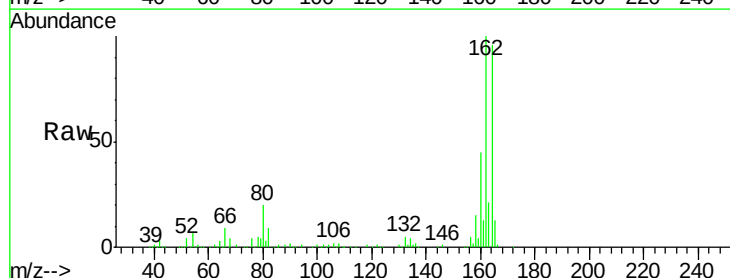
Tgt Ion:165 Resp: 38214

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

10.00

40000

30000

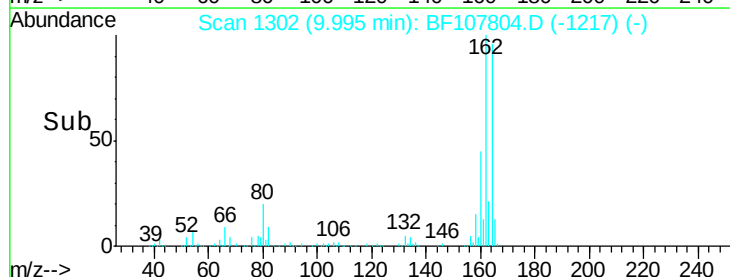
20000

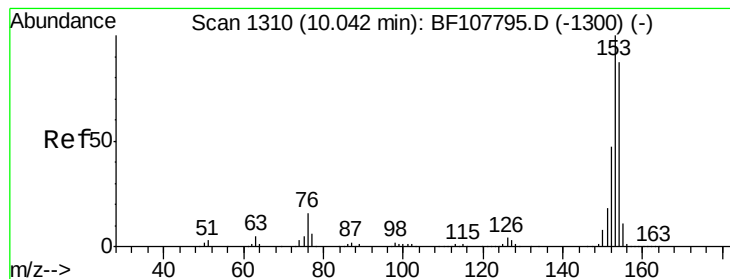
10000

0

9.95 10.00 10.05

Time-->





#51

Acenaphthene

Concen: 0.053 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.04 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

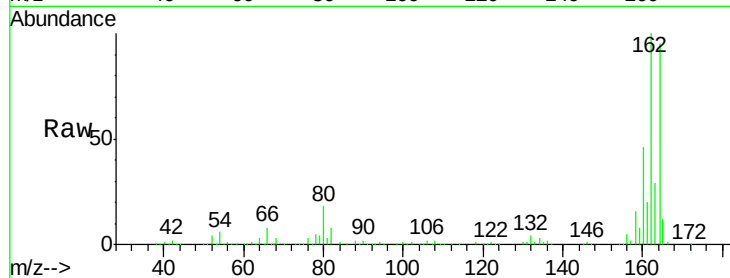
Tgt Ion:154 Resp: 1000

Ion Ratio Lower Upper

154 100

153 0.0 91.2 136.8#

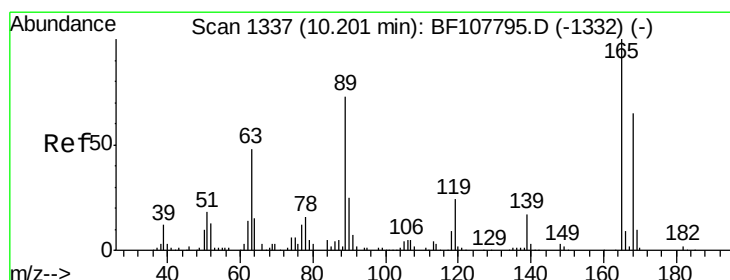
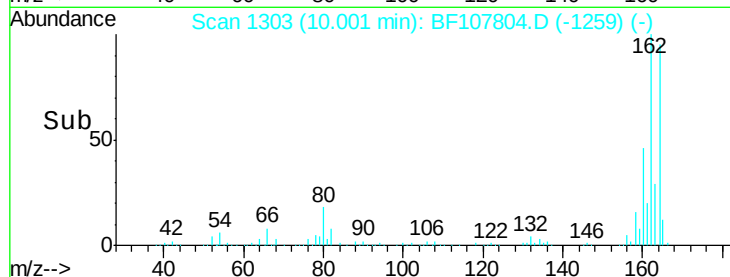
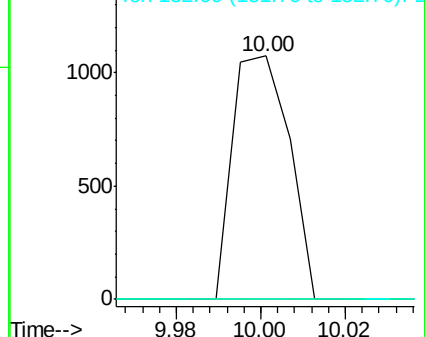
152 0.0 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 5.997 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Tgt Ion:165 Resp: 39405

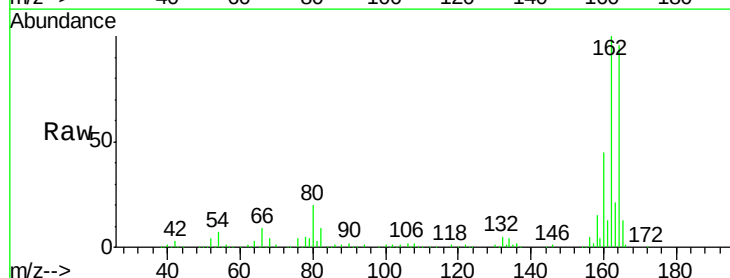
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

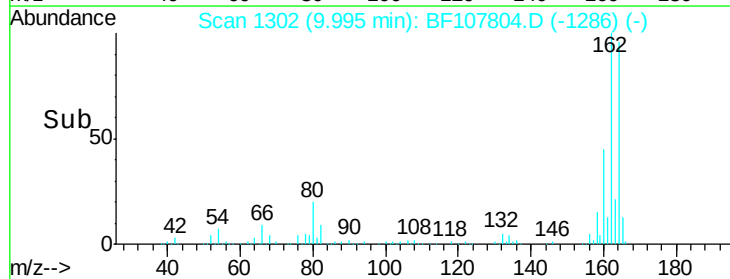
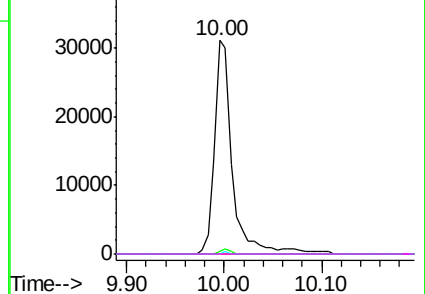


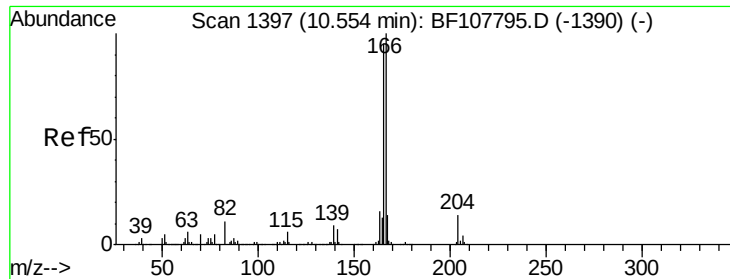
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 0.574 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.24 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

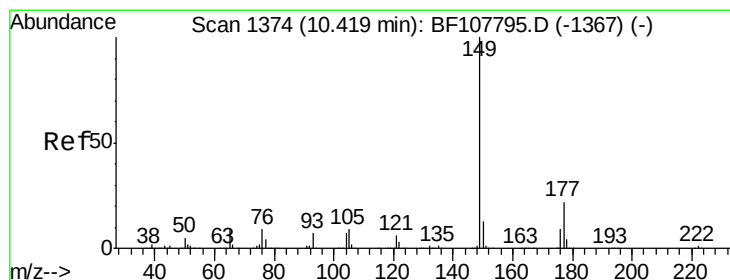
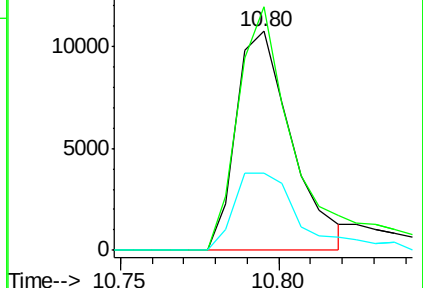
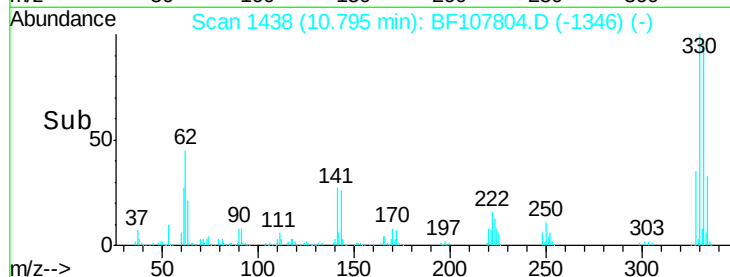
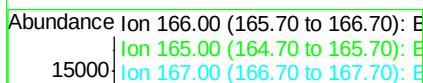
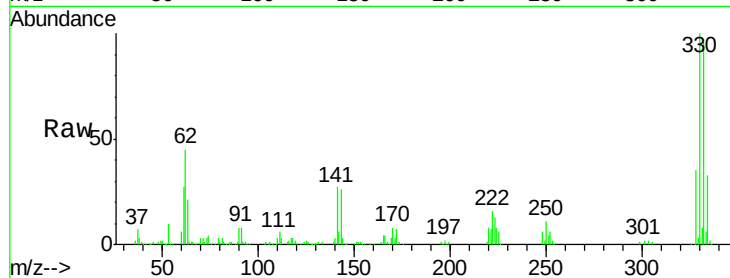
Tgt Ion:166 Resp: 13045

Ion Ratio Lower Upper

166 100

165 111.1 79.8 119.8

167 35.4 10.6 16.0#



#59

Diethylphthalate

Concen: 0.170 ng

RT: 10.40 min Scan# 1371

Delta R.T. -0.02 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

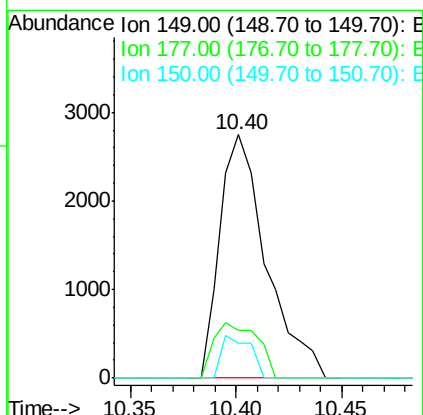
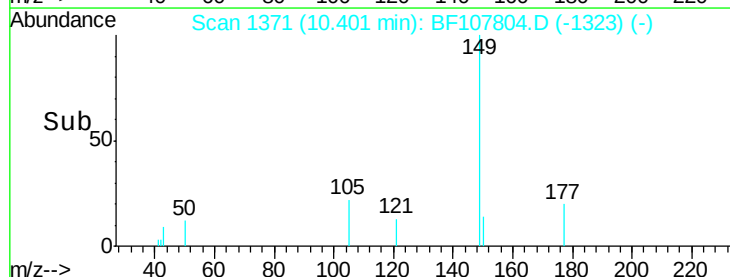
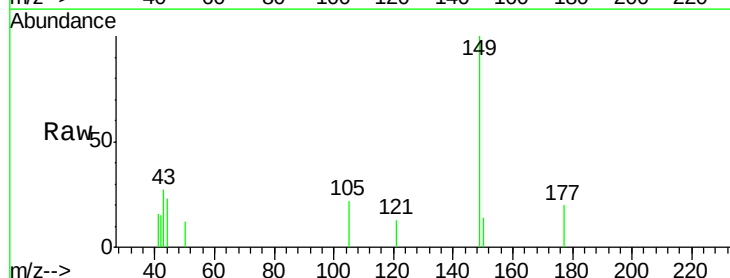
Tgt Ion:149 Resp: 4209

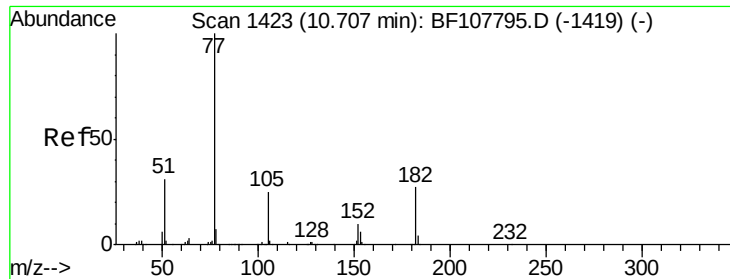
Ion Ratio Lower Upper

149 100

177 19.7 16.1 24.1

150 14.4 10.1 15.1





#62

Azobenzene

Concen: 0.068 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.09 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

Tgt Ion: 77 Resp: 1567

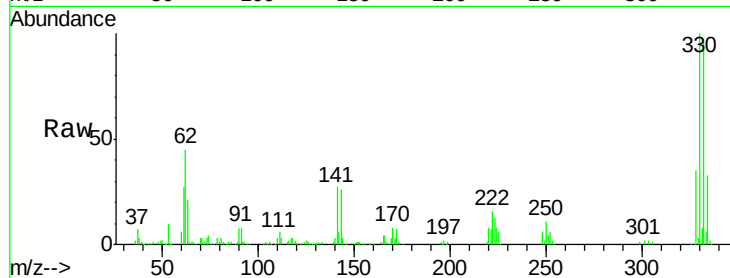
Ion Ratio Lower Upper

77 100

182 0.0 1.7 41.7#

105 97.6 3.0 43.0#

51 101.6 9.9 49.9#

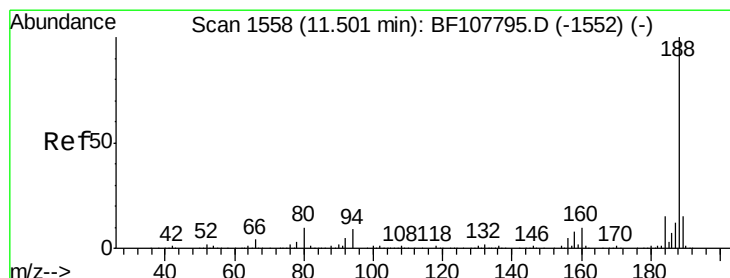
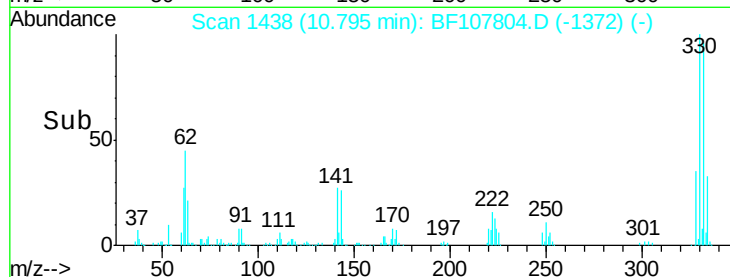
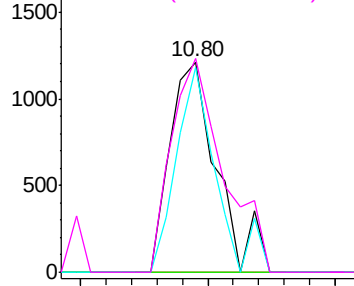


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

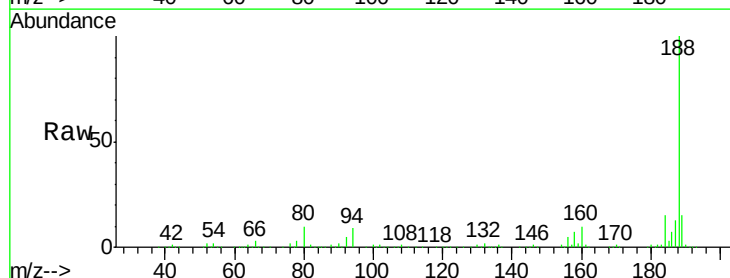
Tgt Ion: 188 Resp: 679802

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

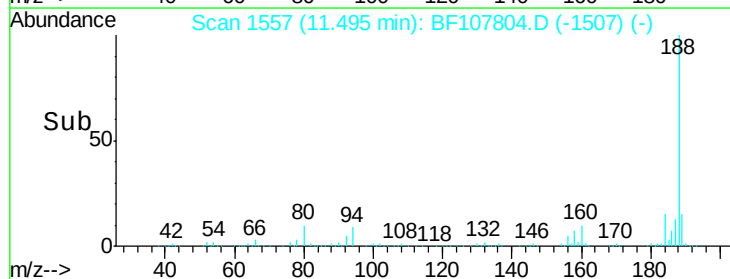
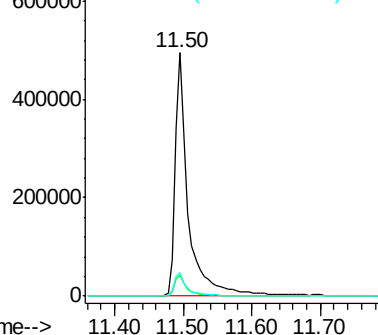
80 9.7 9.2 13.8

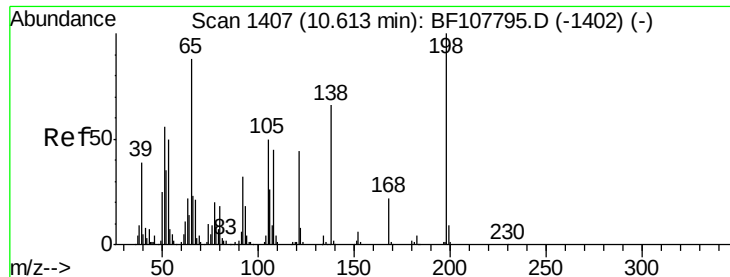


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

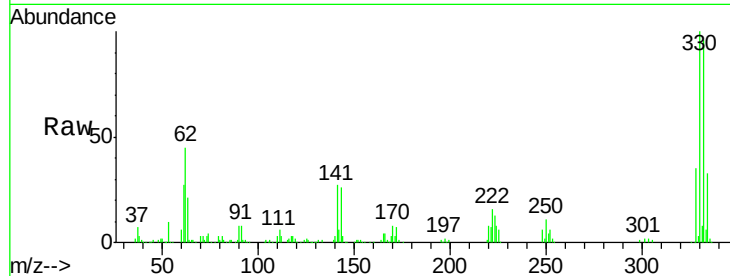




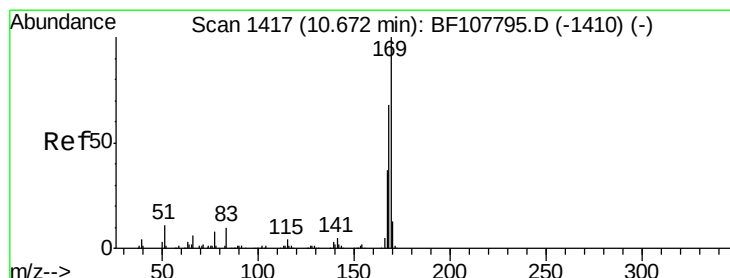
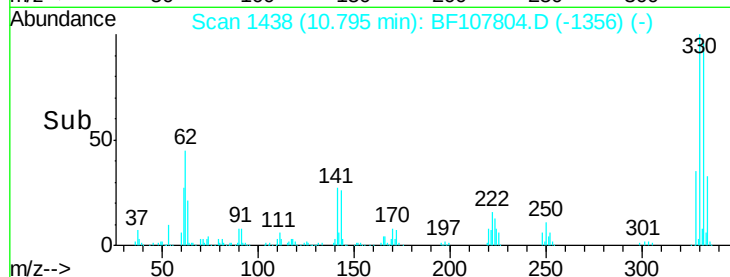
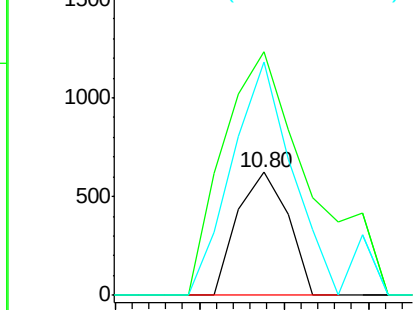
#64
4,6-Dinitro-2-methylphenol
Concen: 0.141 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
PB111493BL

Tgt Ion:198 Resp: 520
Ion Ratio Lower Upper
198 100
51 198.1 37.7 77.7#
105 190.4 36.3 76.3#

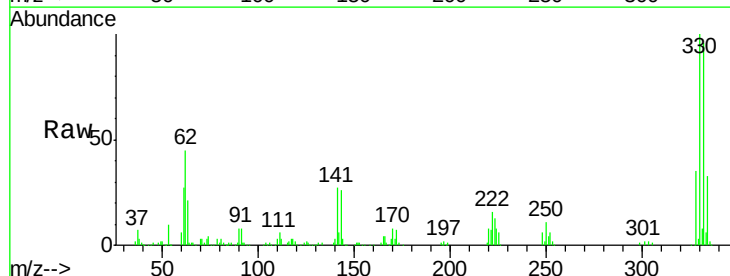


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

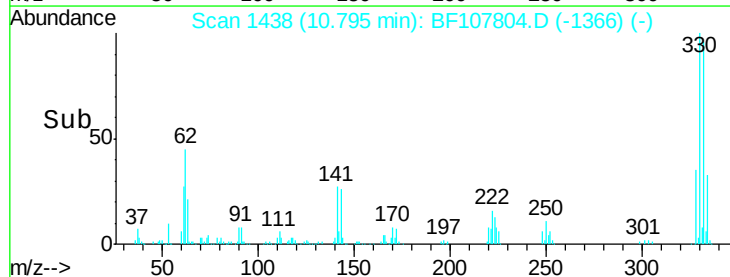
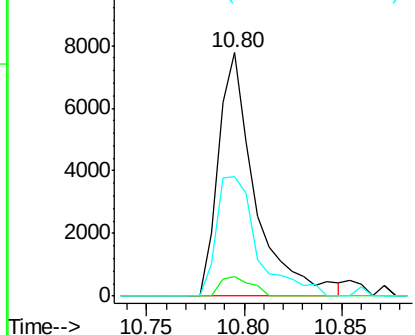


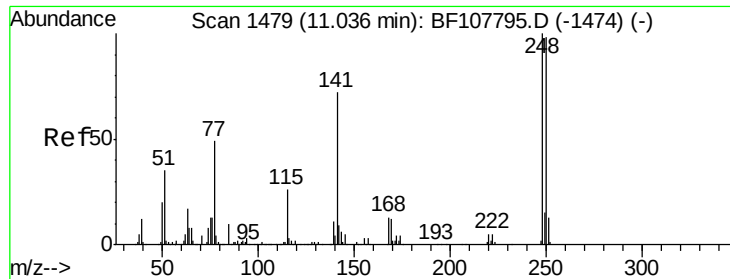
#65
n-Nitrosodiphenylamine
Concen: 0.453 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.12 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion:169 Resp: 10149
Ion Ratio Lower Upper
169 100
168 8.2 54.4 81.6#
167 48.9 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

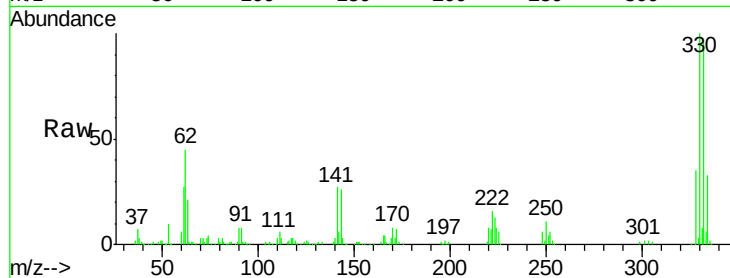




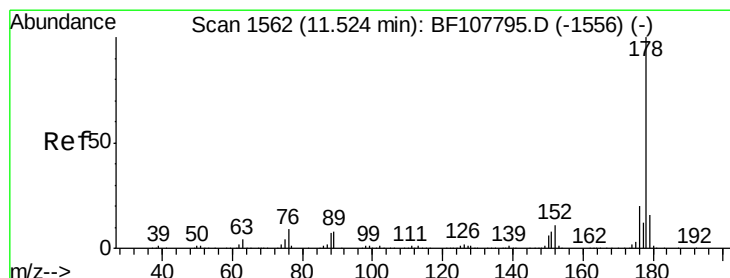
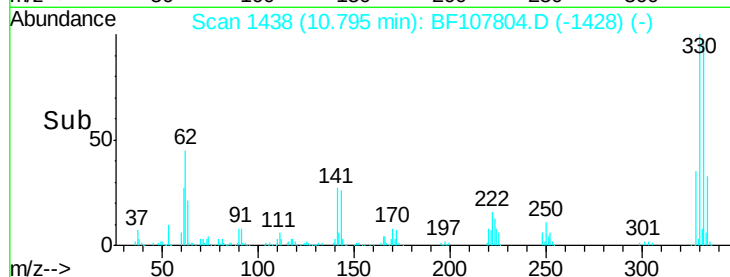
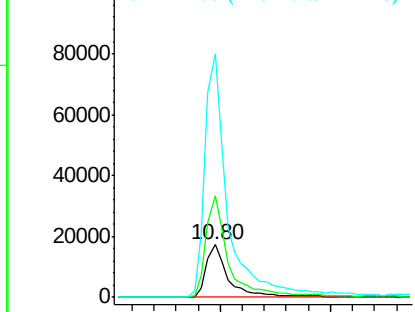
#66
4-Bromophenyl-phenylether
Concen: 3.000 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
PB111493BL

Tgt Ion:248 Resp: 23769
Ion Ratio Lower Upper
248 100
250 193.3 76.9 115.3#
141 463.0 74.4 111.6#

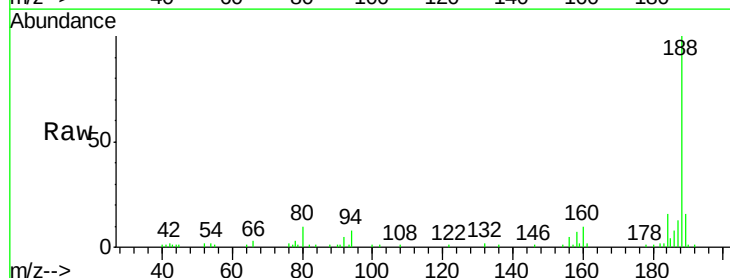


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

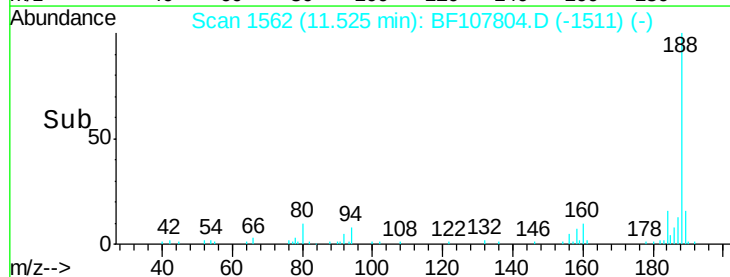
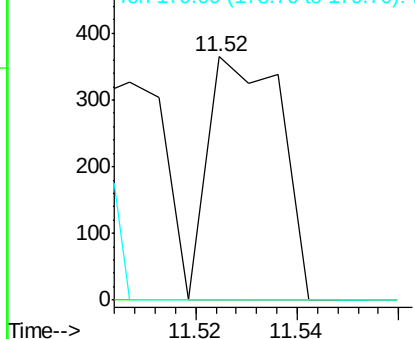


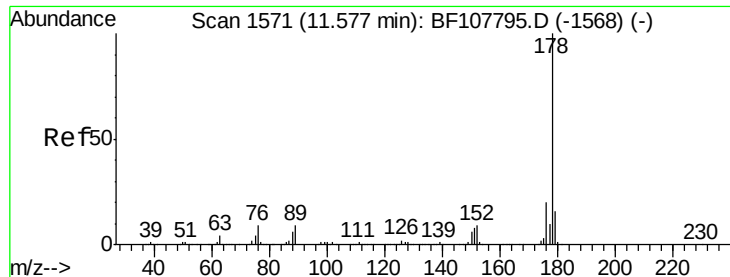
#70
Phenanthrene
Concen: 0.011 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion:178 Resp: 363
Ion Ratio Lower Upper
178 100
176 0.0 15.8 23.8#
179 0.0 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

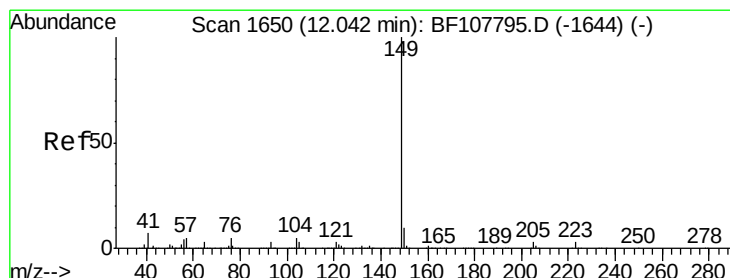
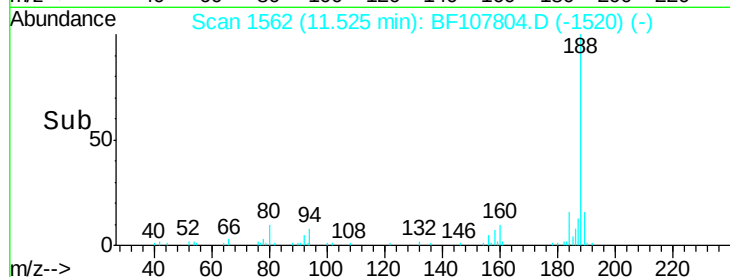
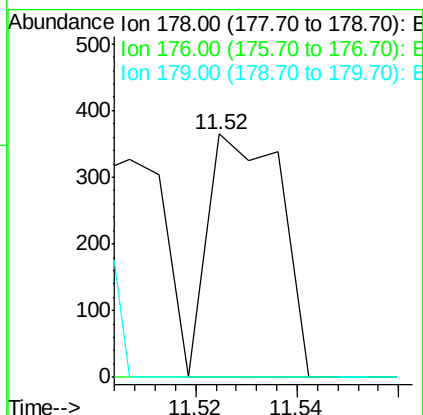
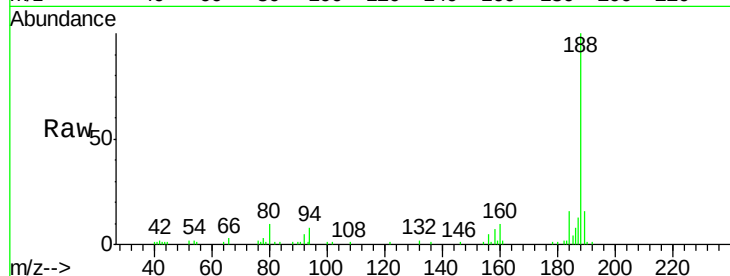




#71
 Anthracene
 Concen: 0.010 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

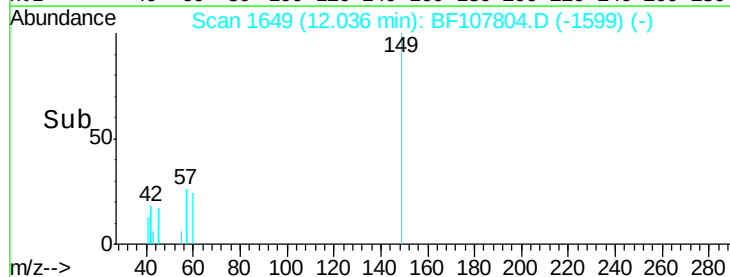
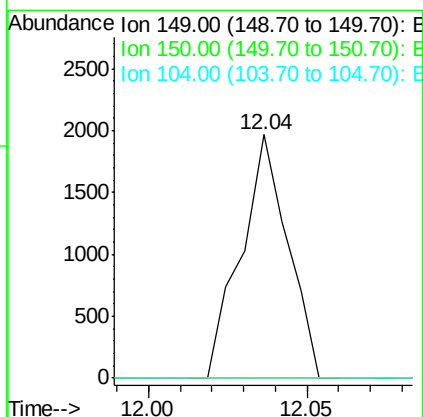
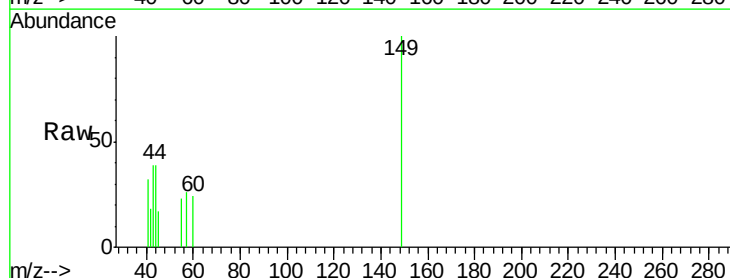
Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

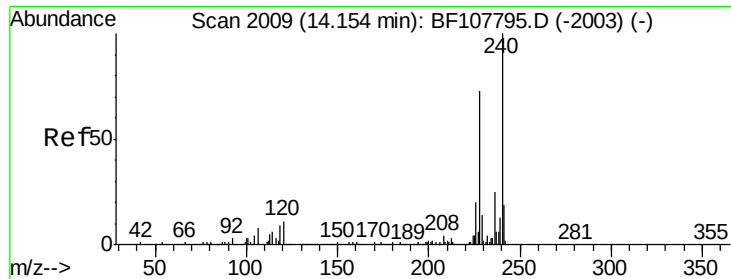
Tgt Ion:178 Resp: 363
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.4 23.2#
 179 0.0 12.6 19.0#



#73
 Di-n-butylphthalate
 Concen: 0.050 ng
 RT: 12.04 min Scan# 1649
 Delta R.T. -0.01 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

Tgt Ion:149 Resp: 2014
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.8 11.6#
 104 0.0 3.8 5.8#

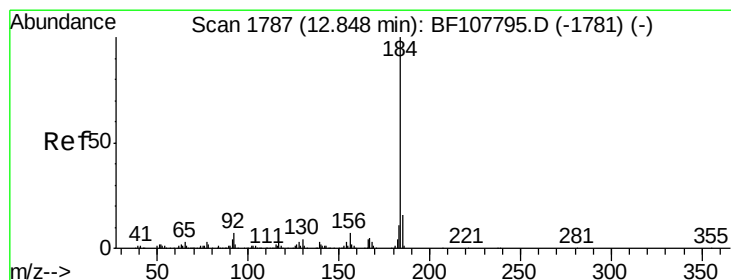
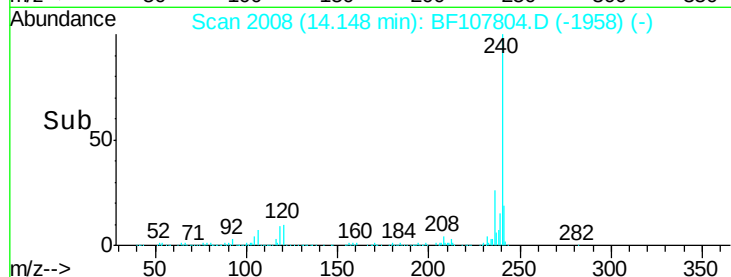
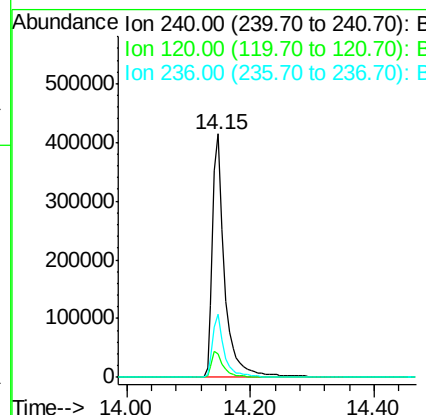
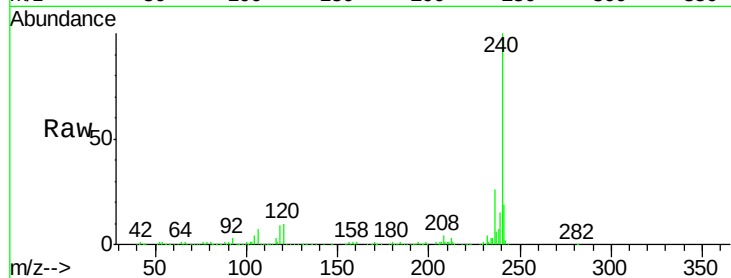




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

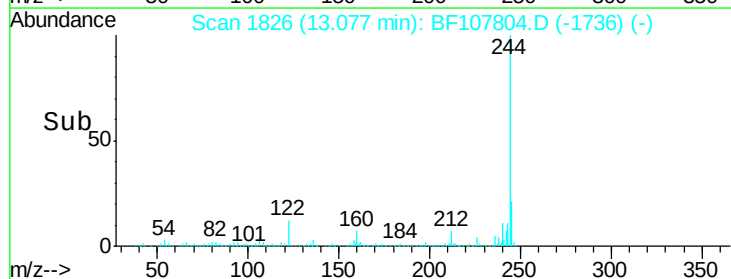
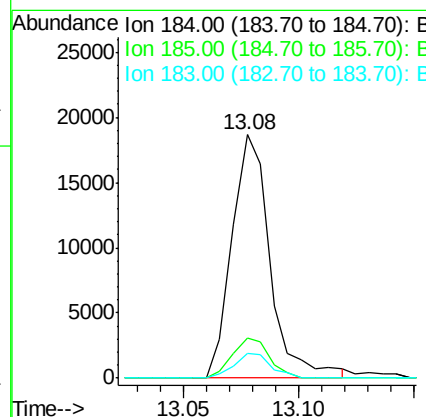
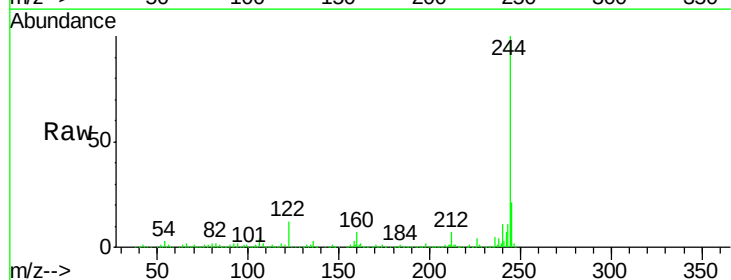
Instrument :
BNA_F
ClientSampleId :
PB111493BL

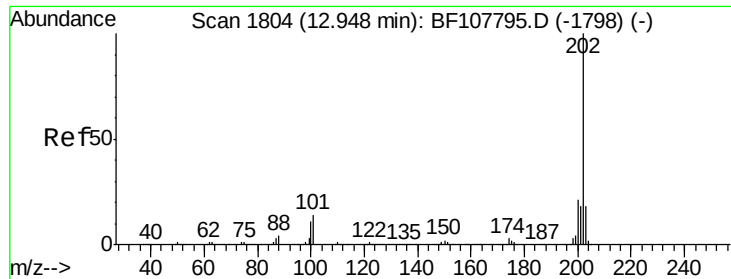
Tgt Ion:240 Resp: 561402
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 26.0 20.7 31.1



#76
Benzidine
Concen: 1.184 ng
RT: 13.08 min Scan# 1826
Delta R.T. 0.23 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion:184 Resp: 21491
Ion Ratio Lower Upper
184 100
185 16.7 12.6 18.8
183 10.0 9.3 13.9





#77

Pyrene

Concen: 0.134 ng

RT: 13.08 min Scan# 1826

Delta R.T. 0.13 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

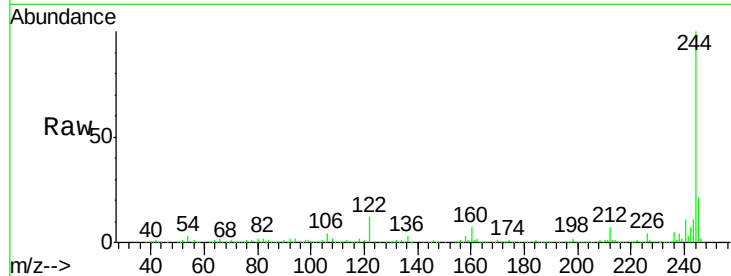
Tgt Ion:202 Resp: 5404

Ion Ratio Lower Upper

202 100

200 54.8 17.4 26.2#

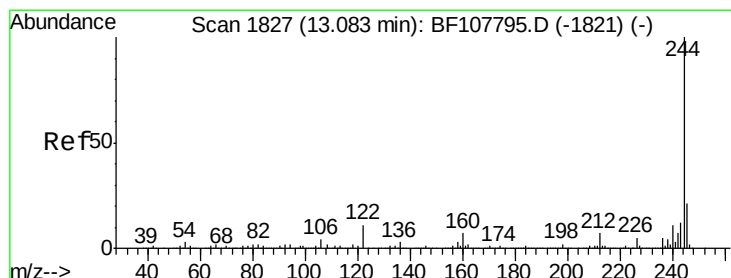
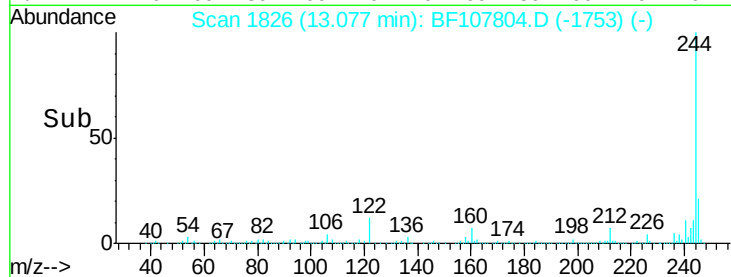
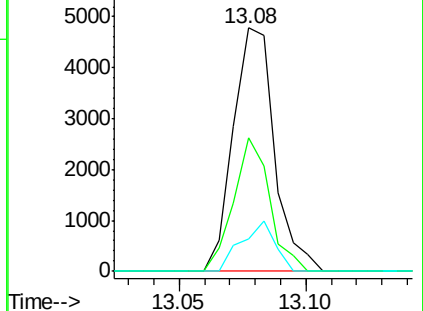
203 13.6 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 70.225 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

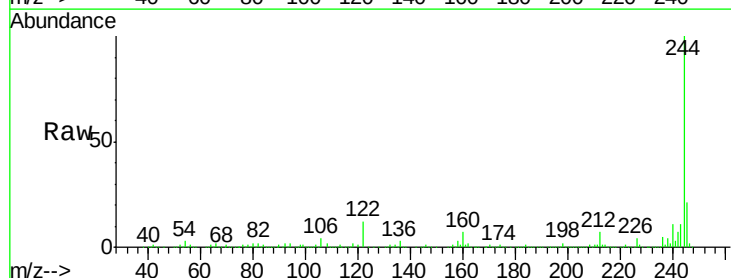
Tgt Ion:244 Resp: 1818123

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

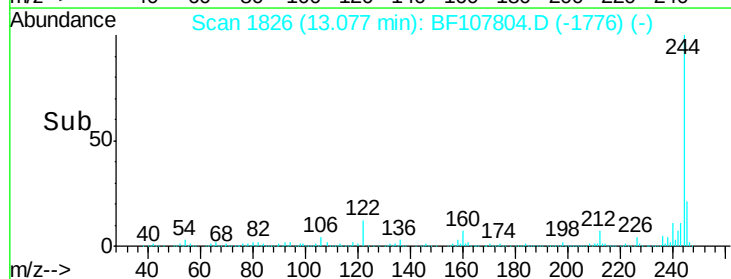
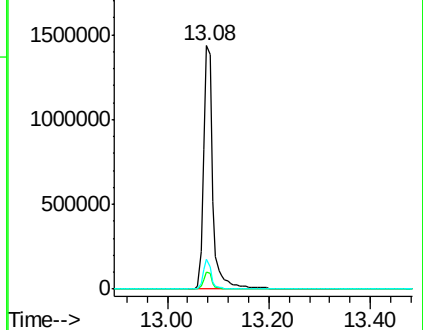
122 12.0 11.0 16.4

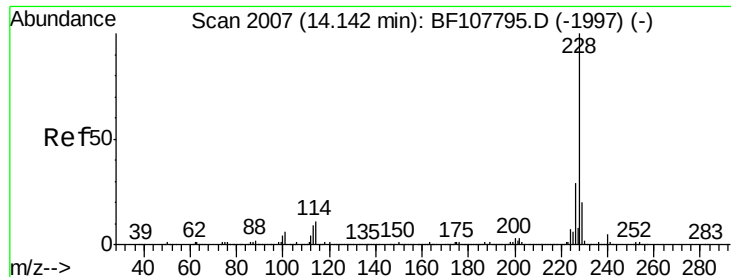


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.048 ng

RT: 14.15 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

Instrument :

BNA_F

ClientSampleId :

PB111493BL

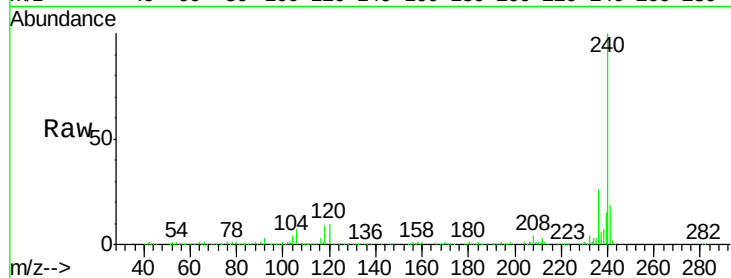
Tgt Ion:228 Resp: 1538

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

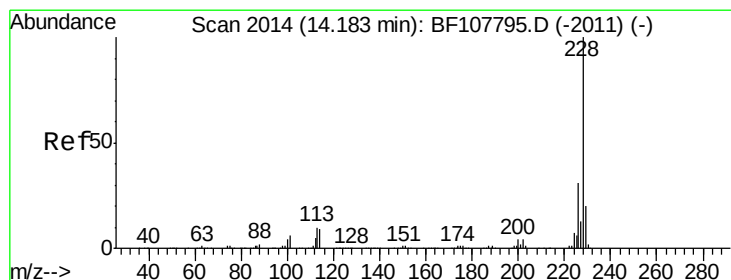
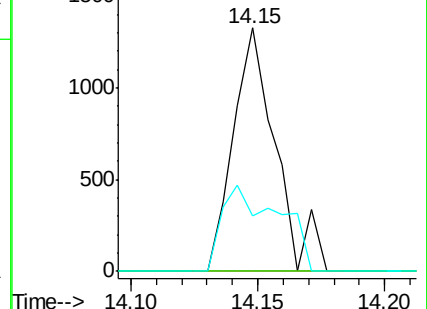
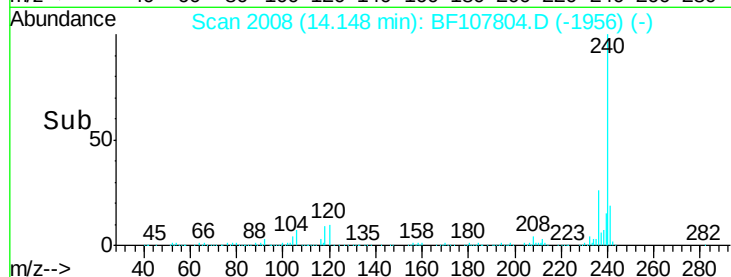
229 23.0 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.045 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.04 min

Lab File: BF107804.D

Acq: 30 Jul 2018 17:13

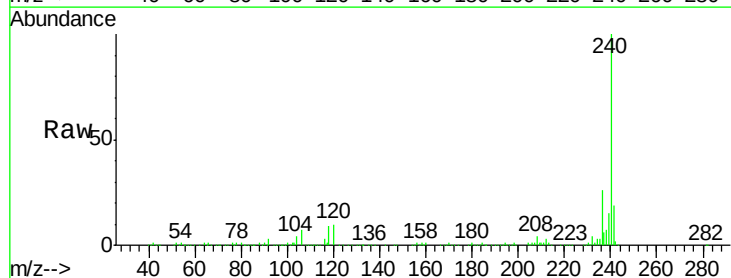
Tgt Ion:228 Resp: 1538

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

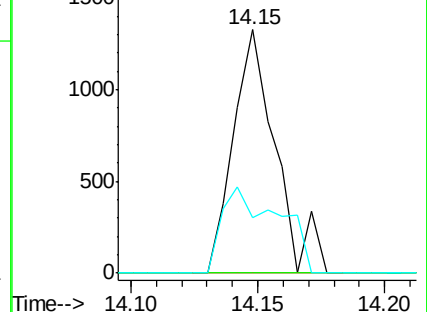
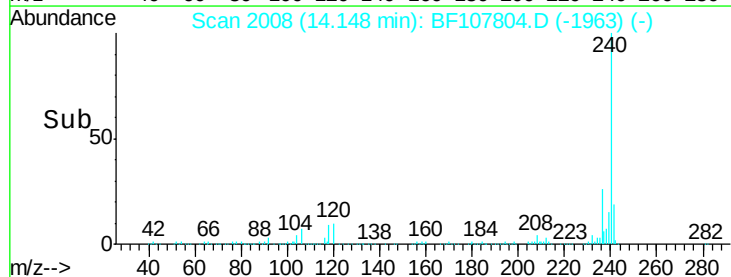
229 23.0 16.2 24.4

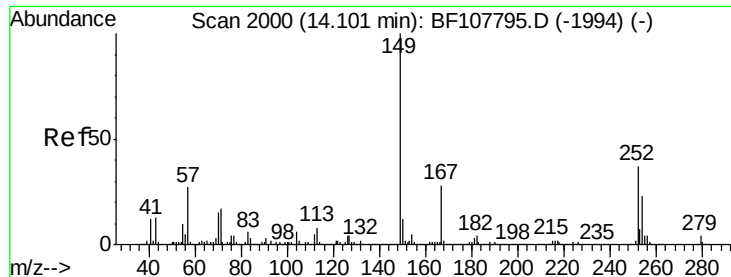


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

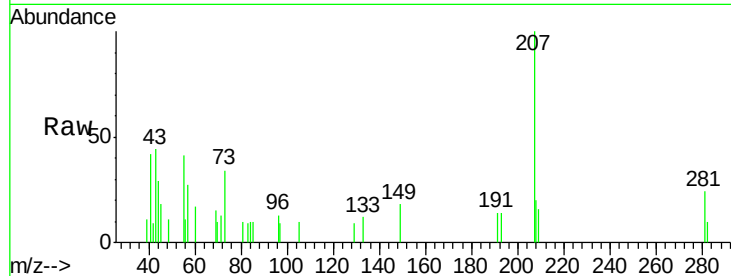




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.022 ng
 RT: 14.09 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

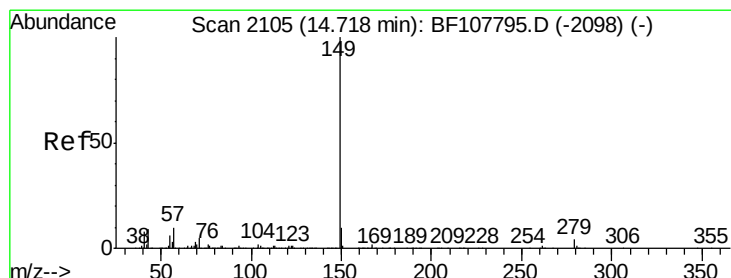
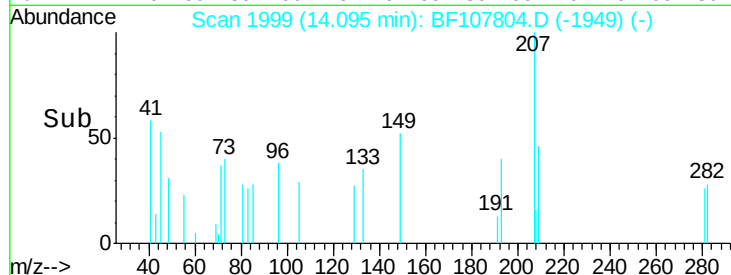
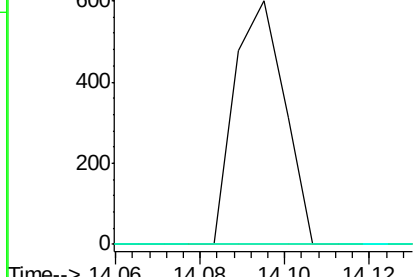
Instrument :
 BNA_F
 ClientSampleId :
 PB111493BL

Tgt Ion:149 Resp: 491
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.3 31.9#
 279 0.0 3.0 4.4#



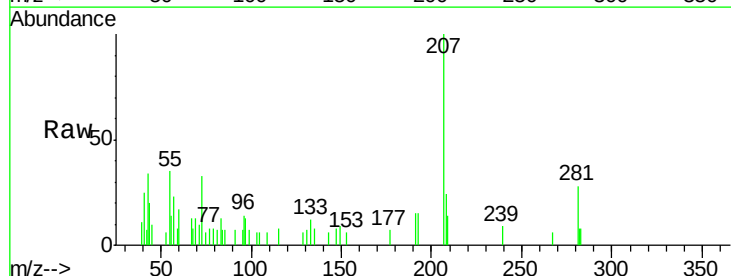
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

14.09



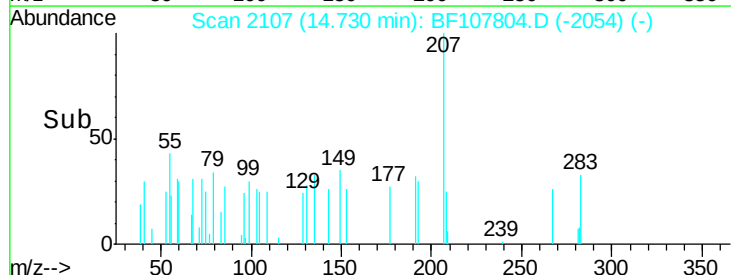
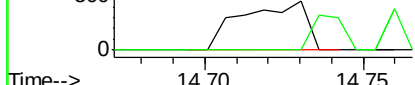
#84
 Di-n-octyl phthalate
 Concen: 0.018 ng
 RT: 14.73 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: BF107804.D
 Acq: 30 Jul 2018 17:13

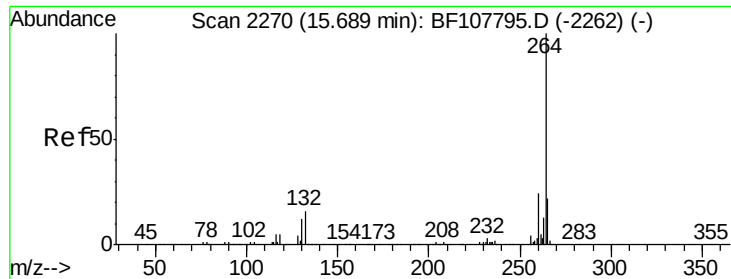
Tgt Ion:149 Resp: 635
 Ion Ratio Lower Upper
 149 100
 167 34.6 1.2 1.8#
 43 76.5 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BF1

14.73



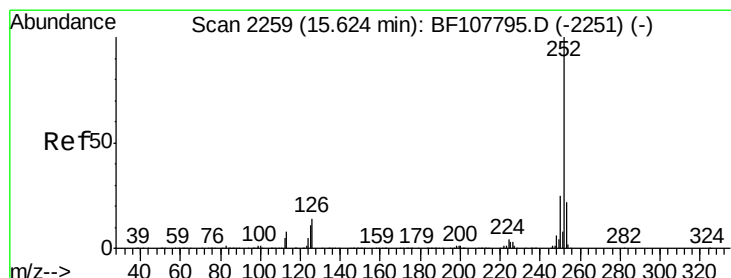
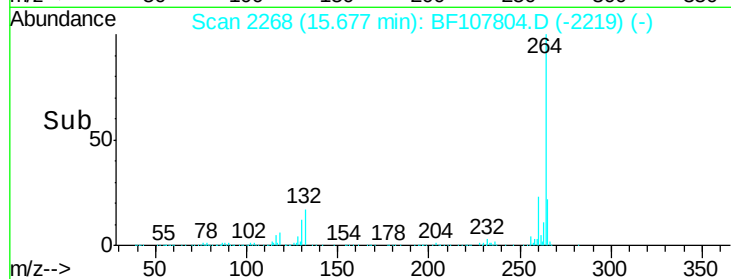
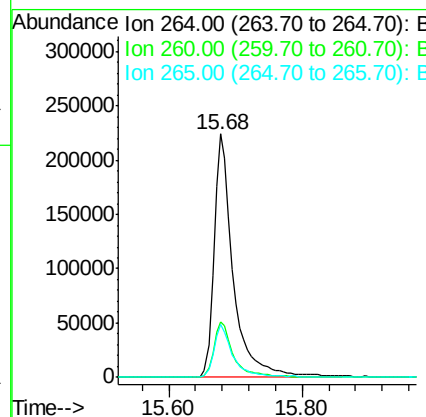
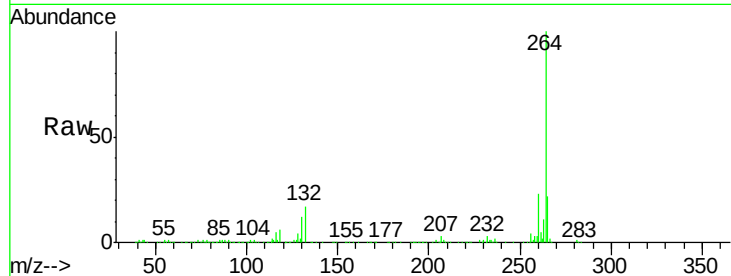


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Instrument :
BNA_F
ClientSampleId :
PB111493BL

Tgt Ion: 264 Resp: 452298

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.9	17.5	26.3



#89
Benzo(a)pyrene
Concen: 0.060 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.06 min
Lab File: BF107804.D
Acq: 30 Jul 2018 17:13

Tgt Ion: 252 Resp: 1379

Ion	Ratio	Lower	Upper
252	100		
253	41.3	17.1	25.7#
125	49.6	9.8	14.6#

