

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107068.D
 Acq On : 3 Jul 2018 3:24
 Operator : JU/SJ
 Sample : J3800-10
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 05:00:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

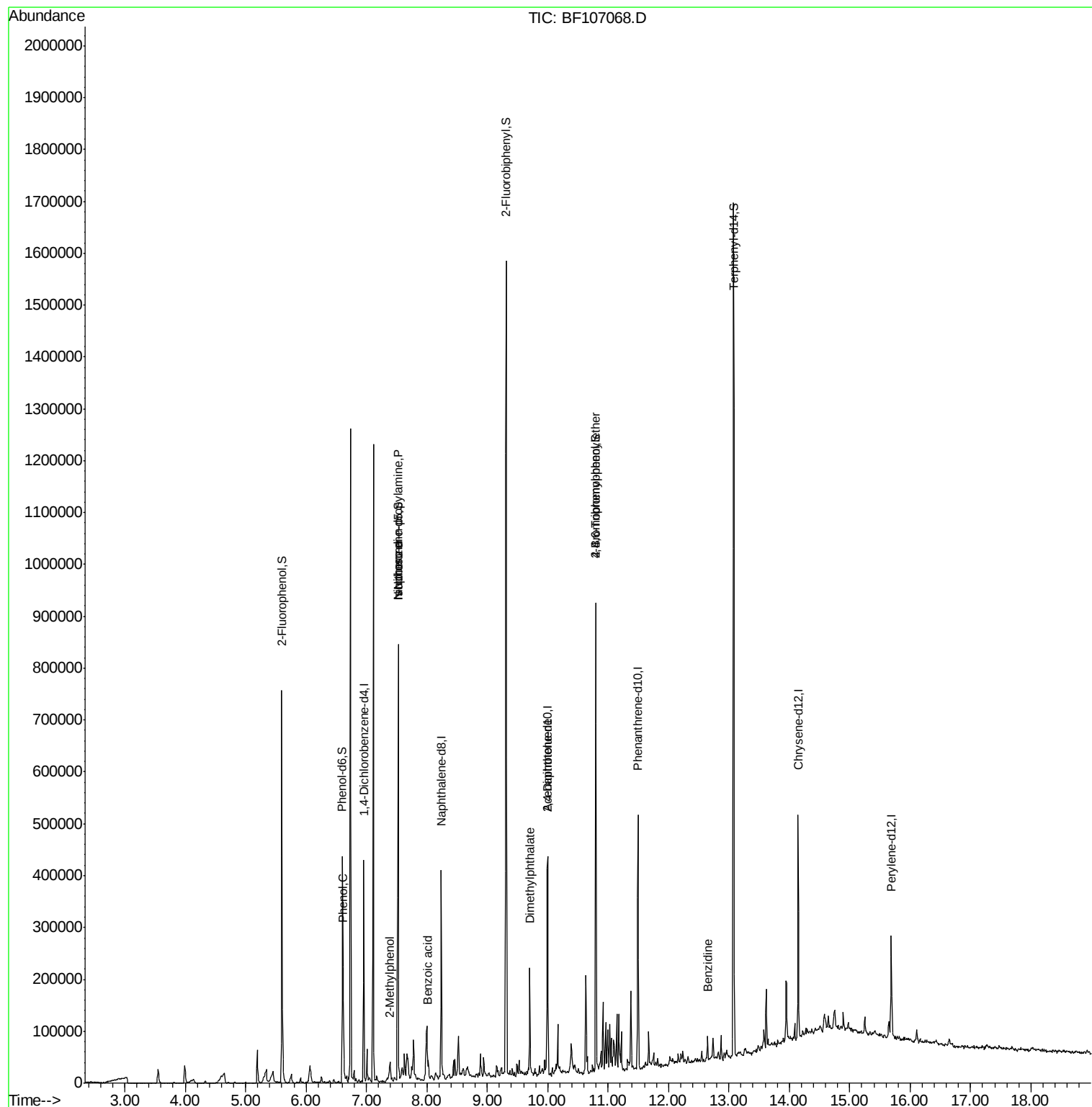
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	58846	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	202571	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	88234	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	171819	20.00	ng	0.00
75) Chrysene-d12	14.15	240	144019	20.00	ng	-0.02
86) Perylene-d12	15.69	264	103338	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	212184	61.06	ng	0.00
7) Phenol-d6	6.60	99	158088	36.43	ng	-0.01
23) Nitrobenzene-d5	7.52	82	283564	77.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	130262	127.38	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	499442	98.08	ng	-0.01
78) Terphenyl-d14	13.08	244	614116	103.29	ng	0.00
Target Compounds						
10) Phenol	6.62	94	29760	6.009	ng	85
17) 2-Methylphenol	7.40	107	7419	2.274	ng	# 39
19) n-Nitroso-di-n-propylamine	7.52	70	37275	13.030	ng	# 72
25) Isophorone	7.52	82	283562	44.147	ng	# 64
32) Benzoic acid	8.01	122	1704	6.491	ng	99
49) Dimethylphthalate	9.71	163	88338	13.349	ng	# 99
56) 2,4-Dinitrotoluene	10.00	165	11630	6.358	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	7976	3.890	ng	# 1
76) Benzidine	12.65	184	18764	4.575	ng	# 86

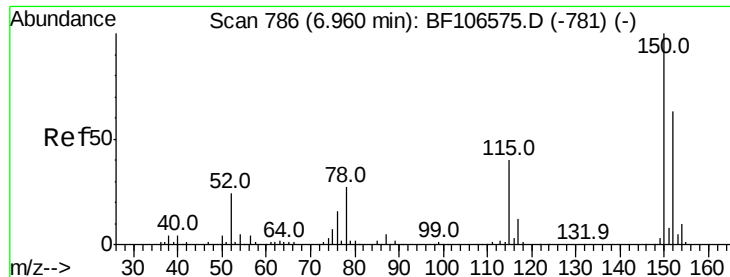
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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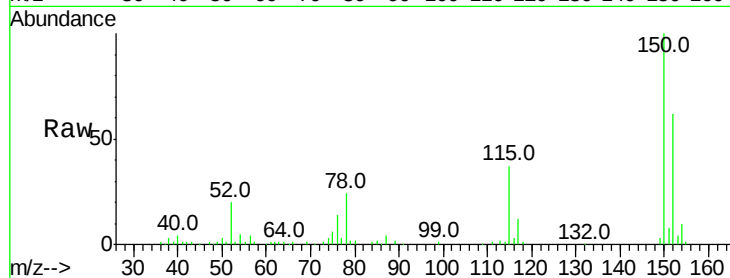


#1

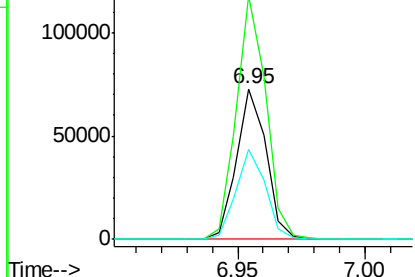
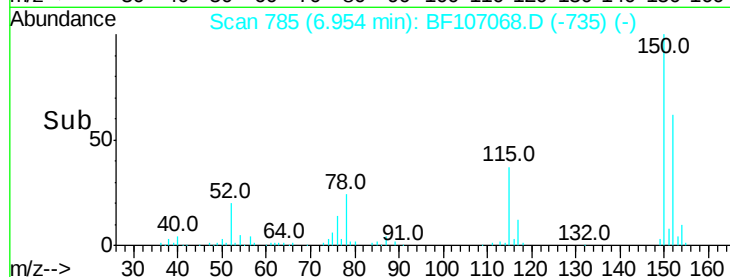
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58846
Ion Ratio Lower Upper
152 100
150 161.7 124.6 186.8
115 59.5 50.1 75.1



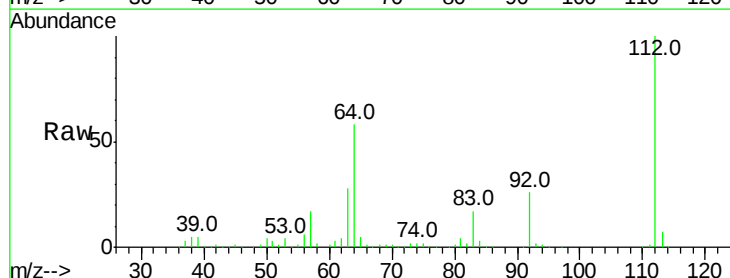
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



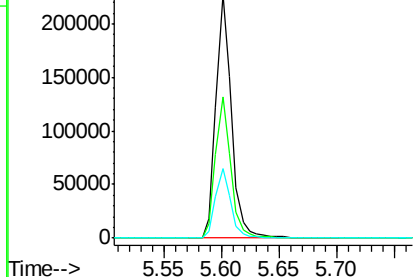
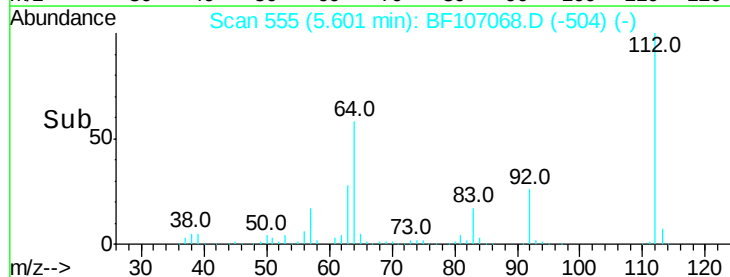
#5

2-Fluorophenol
Concen: 61.057 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

Tgt Ion:112 Resp: 212184
Ion Ratio Lower Upper
112 100
64 58.3 47.9 71.9
63 28.3 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





#7

Phenol-d6

Concen: 36.427 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107068.D

Acq: 3 Jul 2018 3:24

Instrument :

BNA_F

ClientSampled :

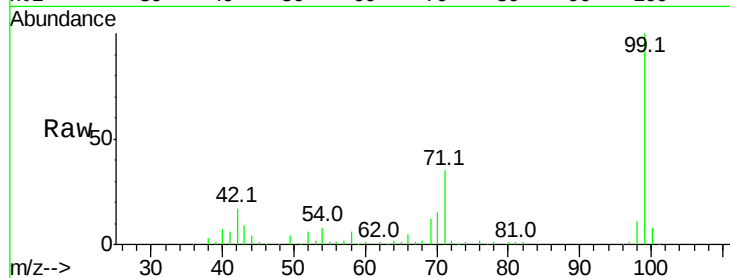
Tot Ion: 99 Resp: 158088

Ion Ratio Lower Upper

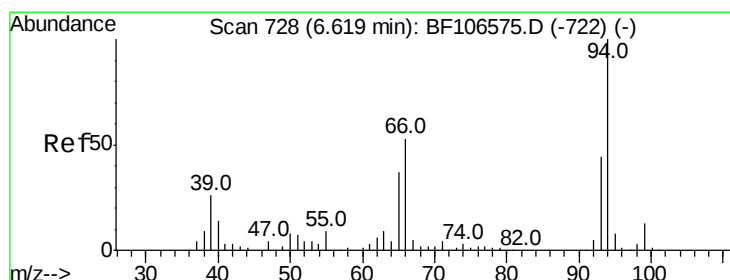
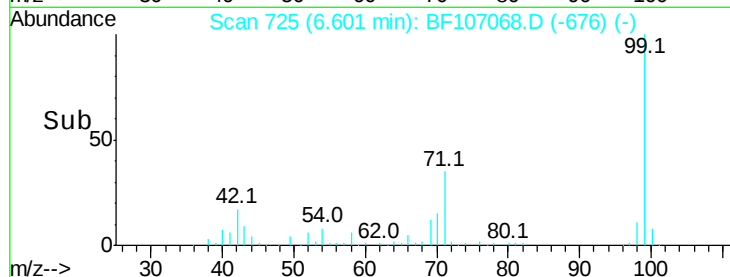
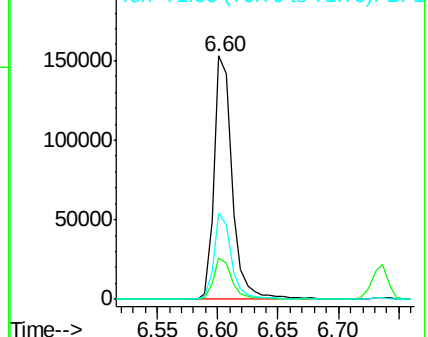
99 100

42 17.2 14.5 21.7

71 35.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.009 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107068.D

Acq: 3 Jul 2018 3:24

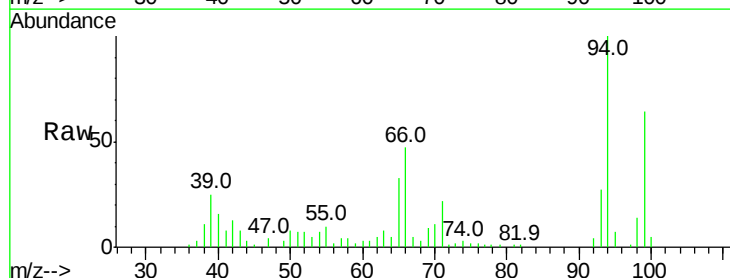
Tgt Ion: 94 Resp: 29760

Ion Ratio Lower Upper

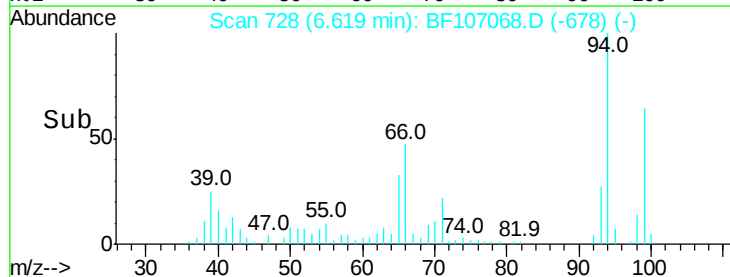
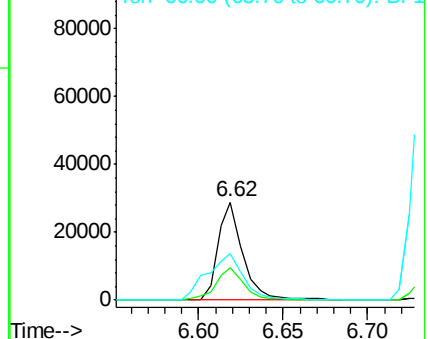
94 100

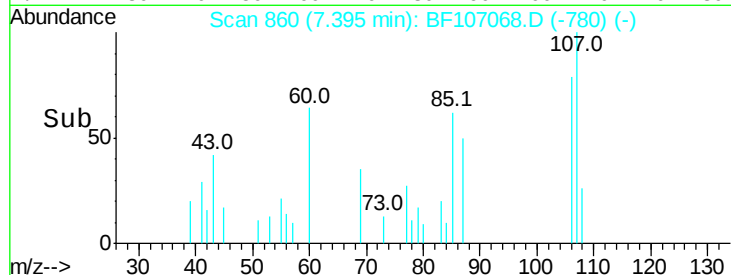
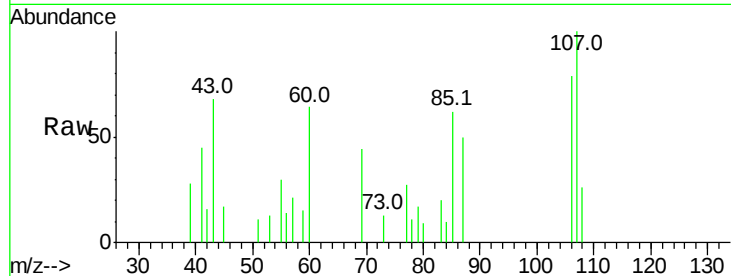
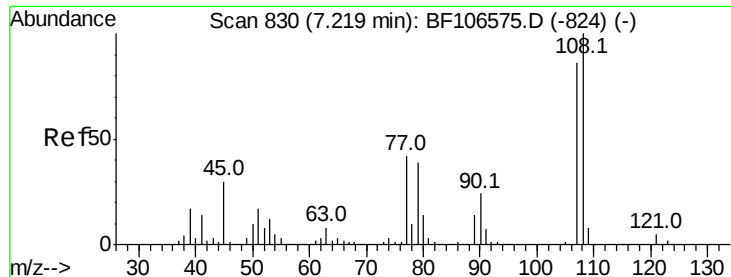
65 33.1 7.9 47.9

66 47.0 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

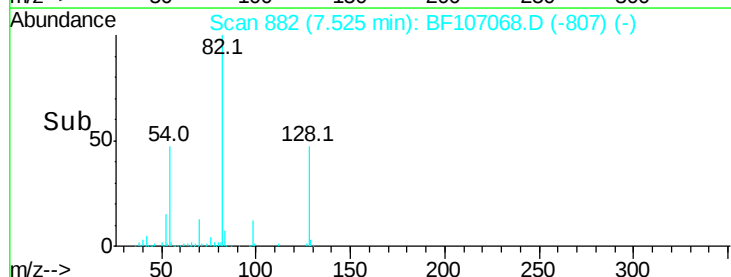
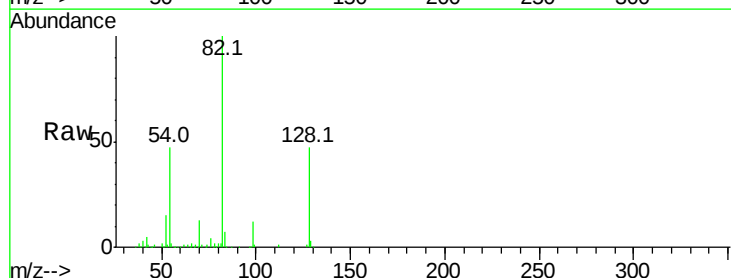
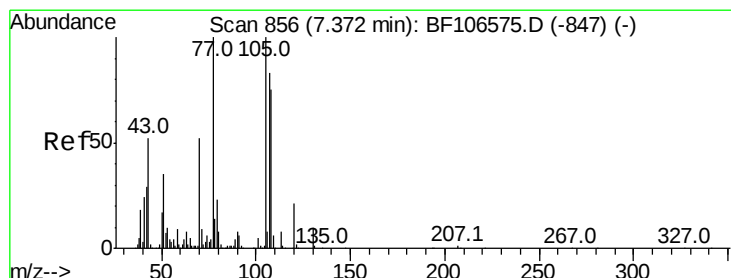
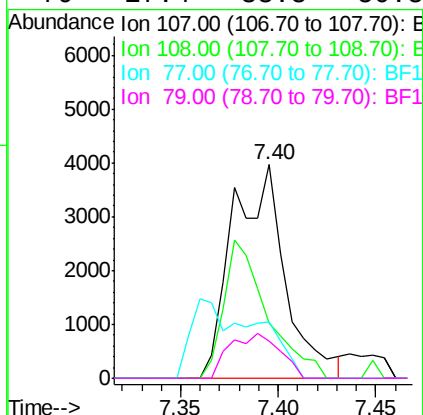




#17
2-Methylphenol
Concen: 2.274 ng
RT: 7.40 min Scan# 860
Delta R.T. 0.17 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

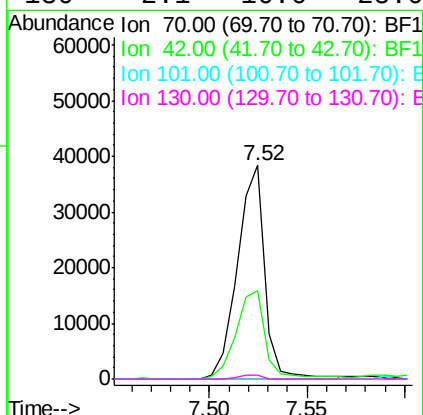
Instrument :
BNA_F
ClientSampleId :

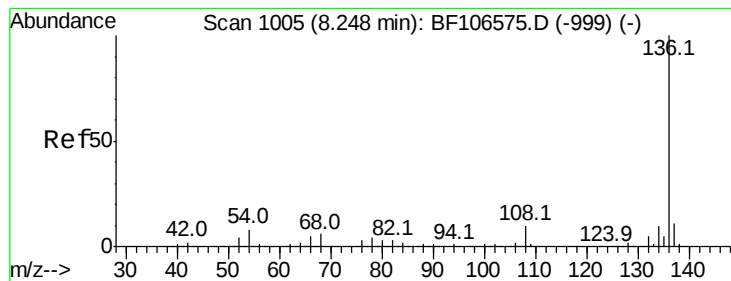
Tot Ion: 107 Resp: 7419
Ion Ratio Lower Upper
107 100
108 26.0 91.7 137.5#
77 26.5 33.8 50.8#
79 17.4 33.8 50.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.030 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

Tgt Ion: 70 Resp: 37275
Ion Ratio Lower Upper
70 100
42 41.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107068.D

Acq: 3 Jul 2018 3:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 202571

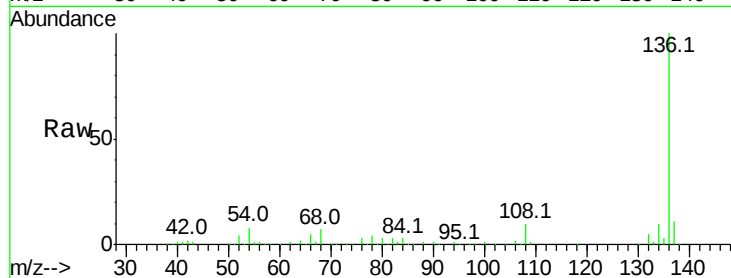
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.2 6.6 9.8

68 6.8 5.0 7.4

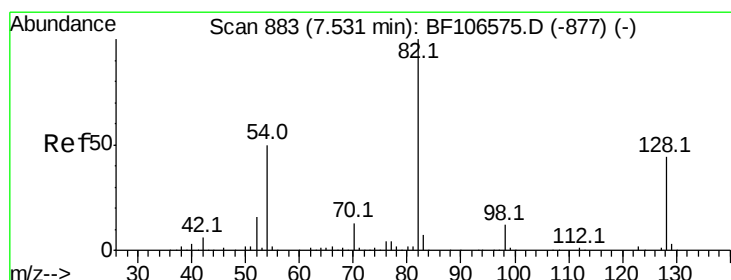
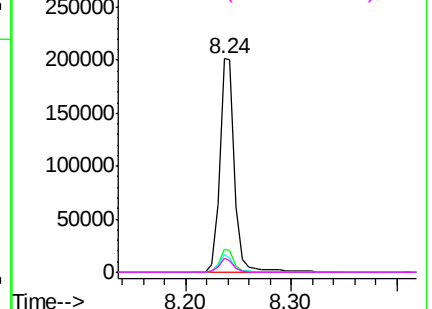
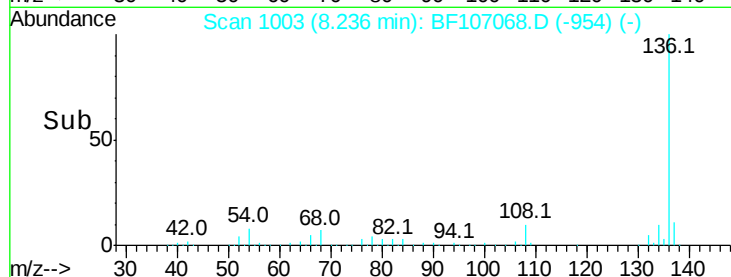


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 77.793 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF107068.D

Acq: 3 Jul 2018 3:24

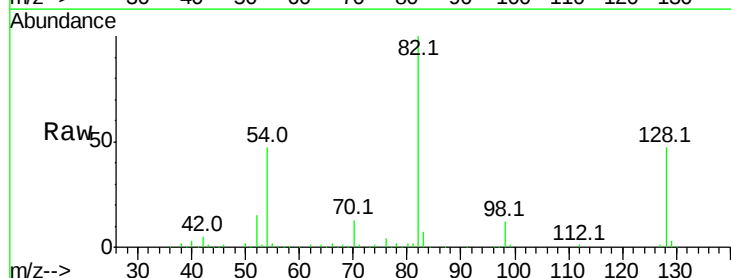
Tgt Ion: 82 Resp: 283564

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

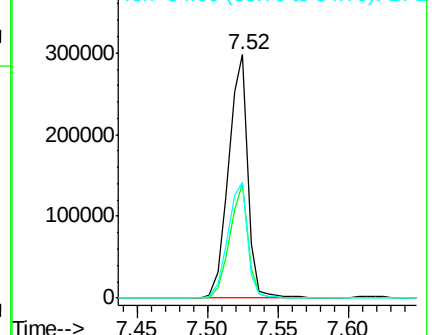
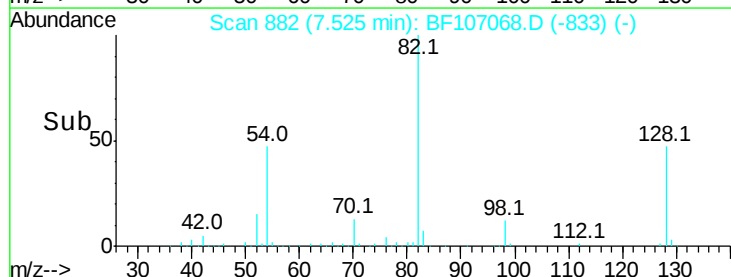
54 47.3 41.4 62.2

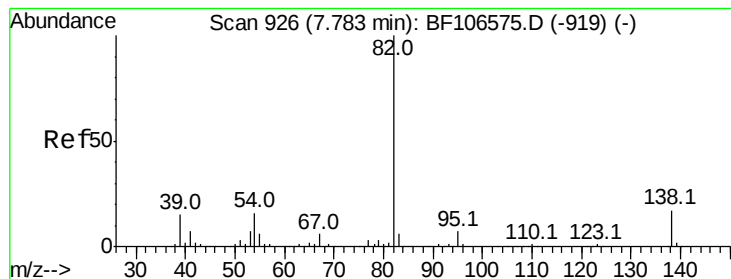


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.147 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107068.D

Acq: 3 Jul 2018 3:24

Instrument :

BNA_F

ClientSampleId :

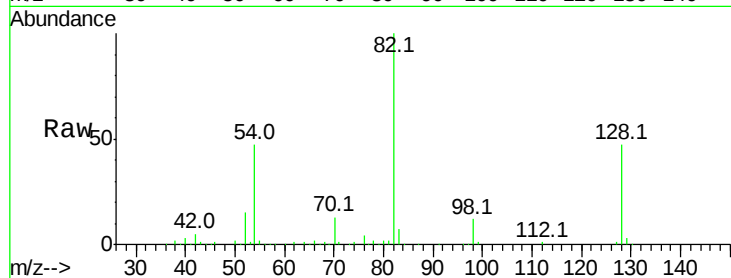
Tot Ion: 82 Resp: 283562

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

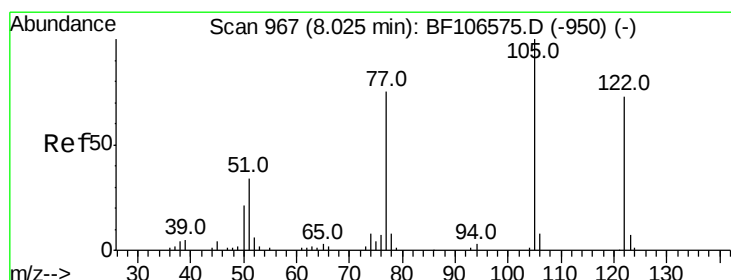
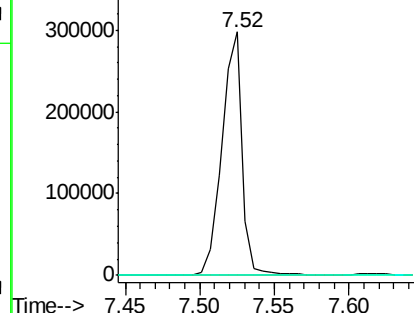
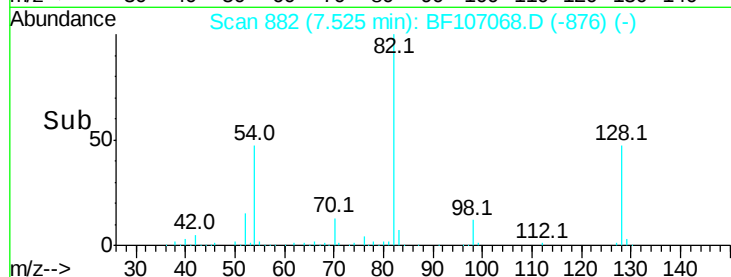
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.491 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF107068.D

Acq: 3 Jul 2018 3:24

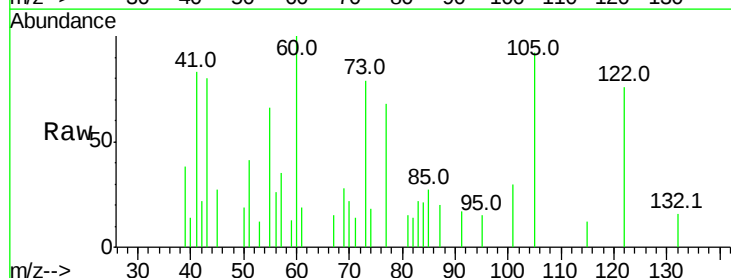
Tgt Ion:122 Resp: 1704

Ion Ratio Lower Upper

122 100

105 120.6 101.1 141.1

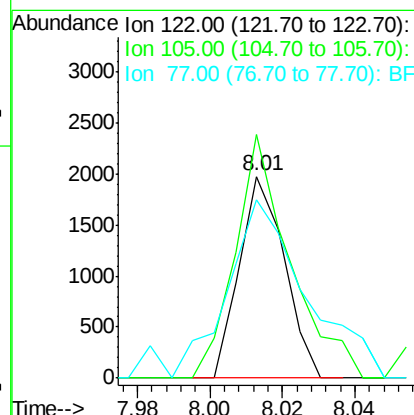
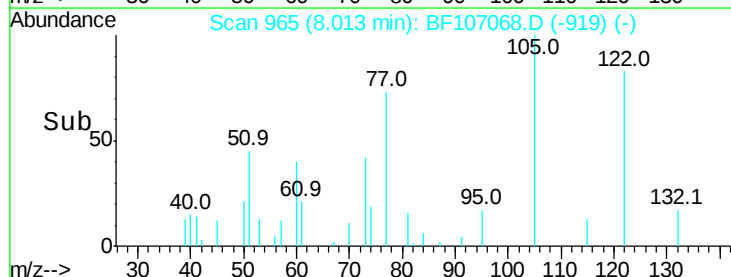
77 88.5 70.7 110.7

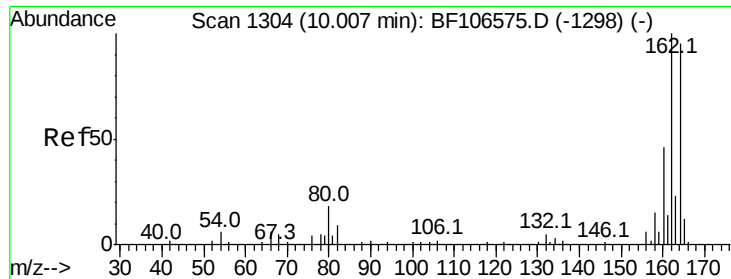


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

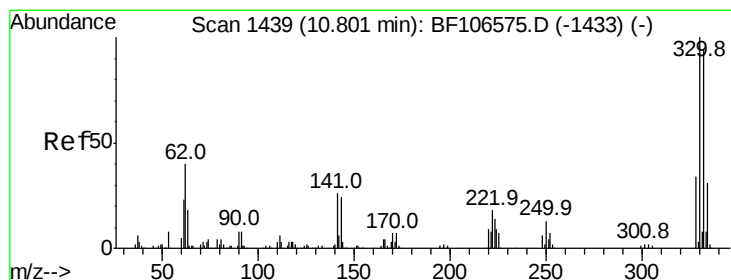
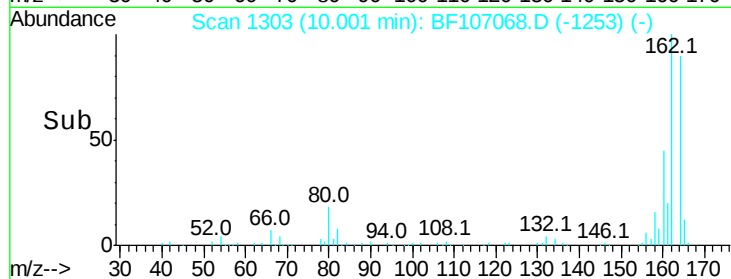
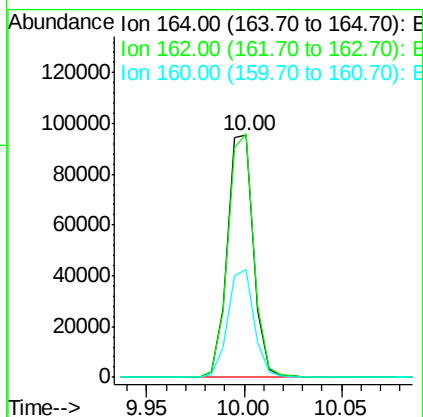
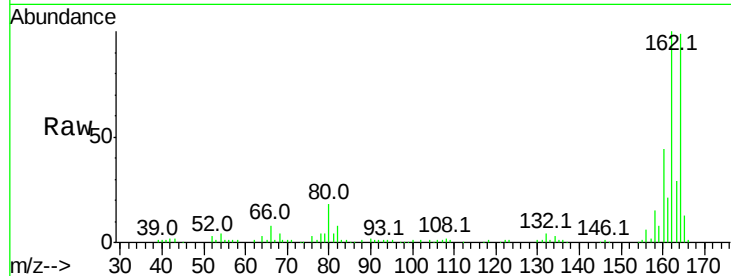




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

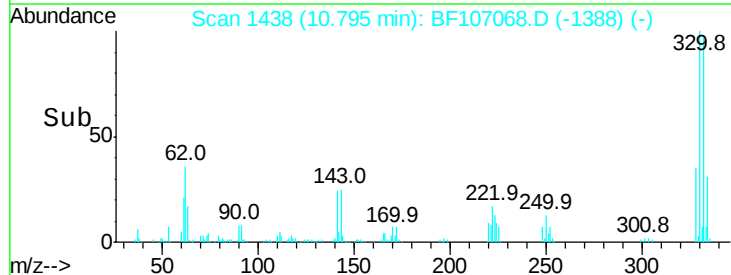
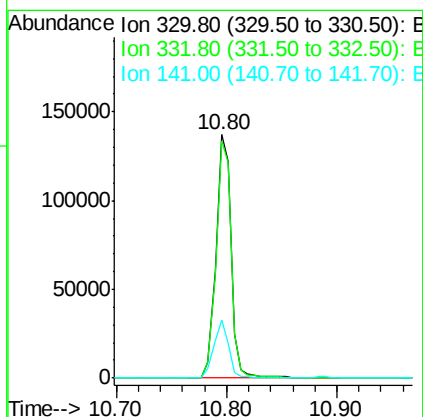
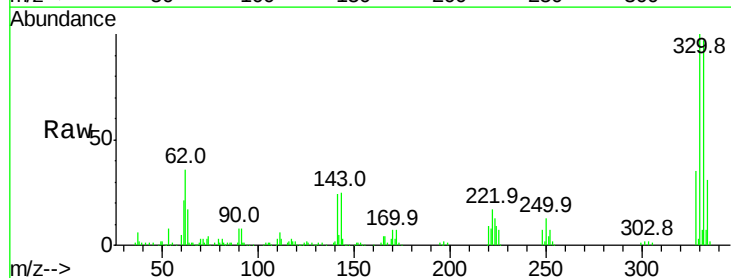
Instrument :
BNA_F
ClientSampleId :

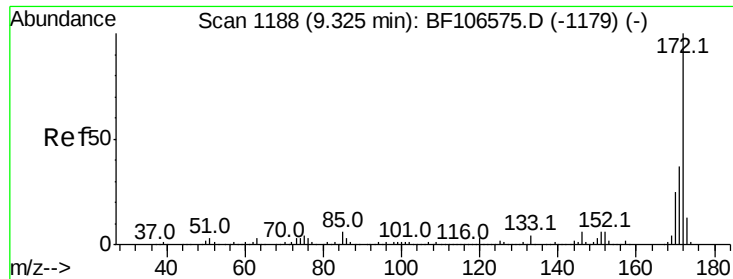
Tot Ion:164 Resp: 88234
Ion Ratio Lower Upper
164 100
162 100.6 86.1 129.1
160 44.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 127.376 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

Tgt Ion:330 Resp: 130262
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 23.5 29.9 44.9#

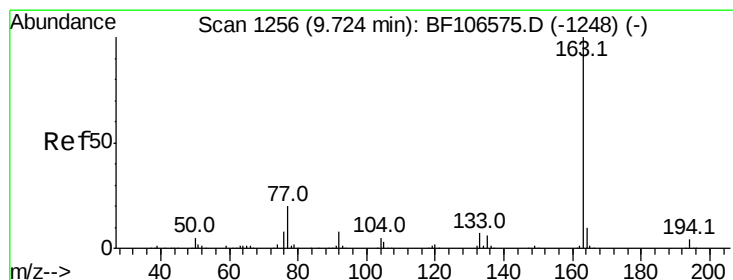
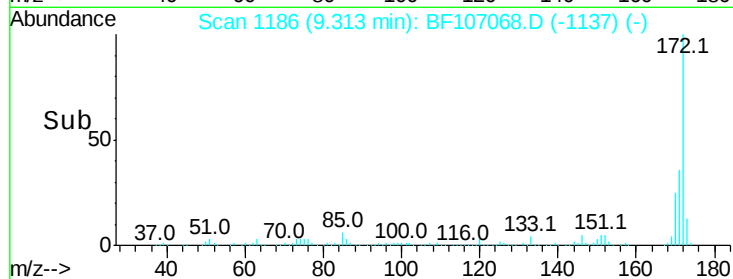
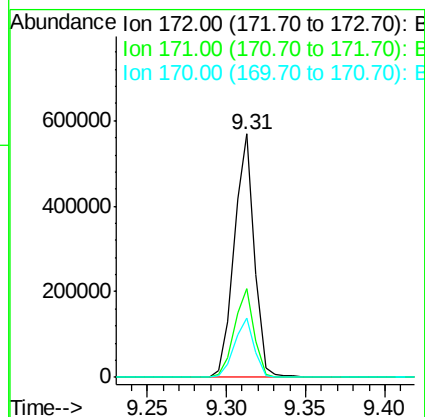
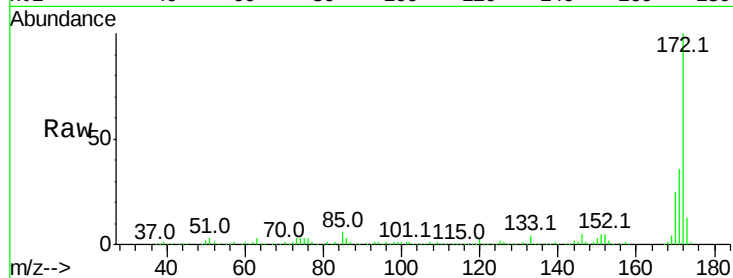




#44
 2-Fluorobiphenyl
 Concen: 98.080 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

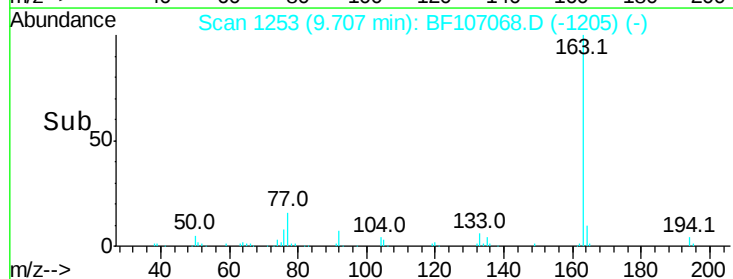
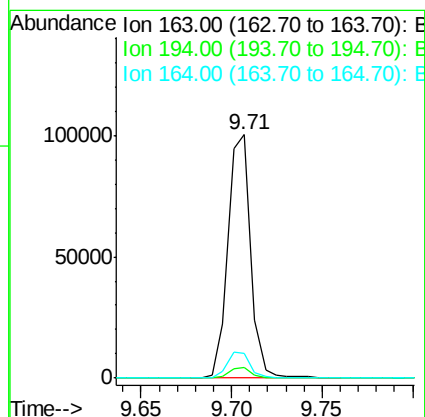
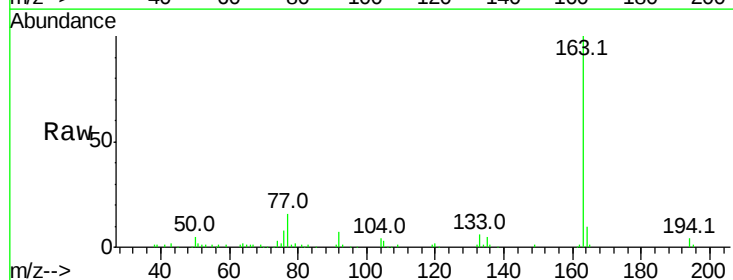
Instrument :
 BNA_F
 ClientSampleId :

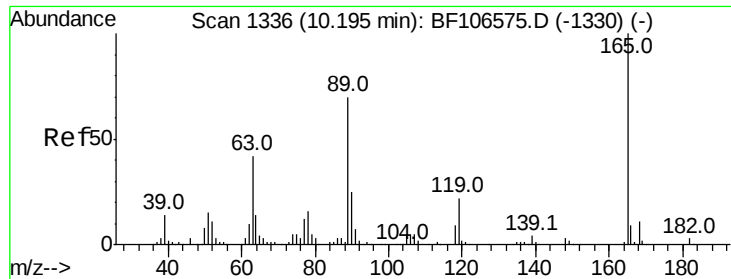
Tot Ion:172 Resp: 499442
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.6 19.6 29.4



#49
 Dimethylphthalate
 Concen: 13.349 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

Tgt Ion:163 Resp: 88338
 Ion Ratio Lower Upper
 163 100
 194 4.2 2.7 4.1#
 164 10.2 8.2 12.2

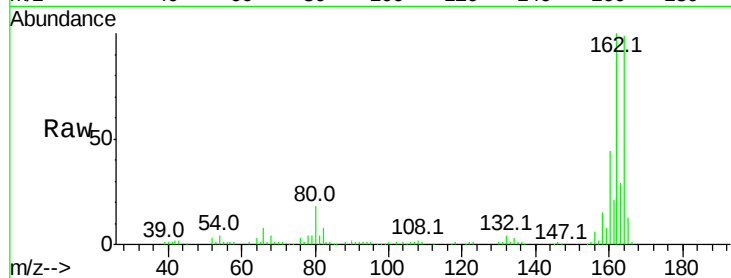




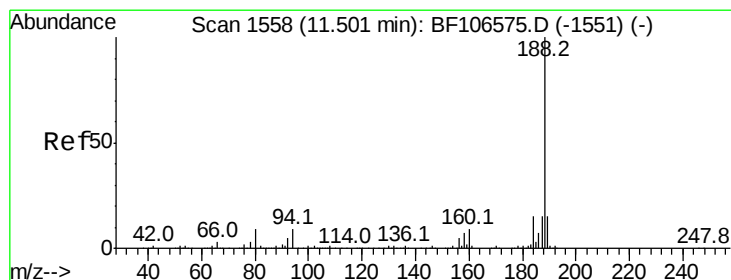
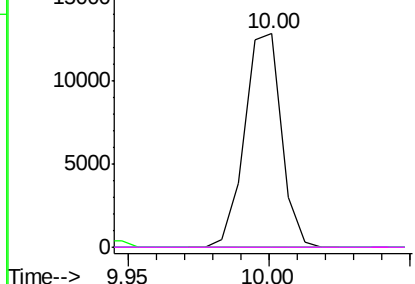
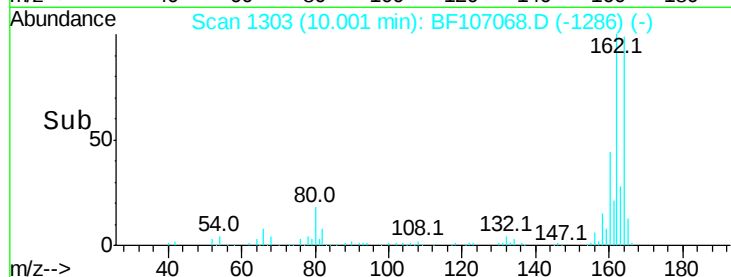
#56
 2,4-Dinitrotoluene
 Concen: 6.358 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11630
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

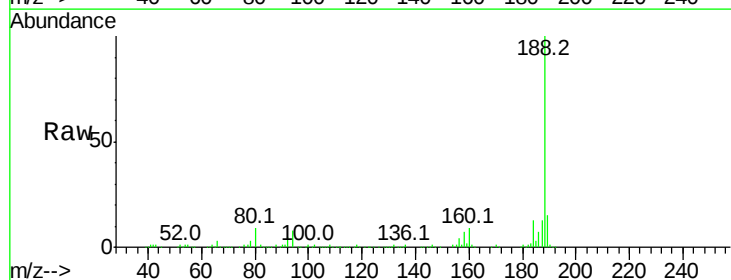


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

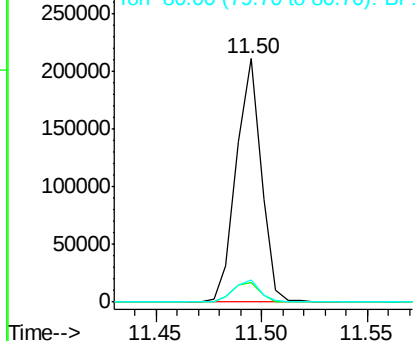
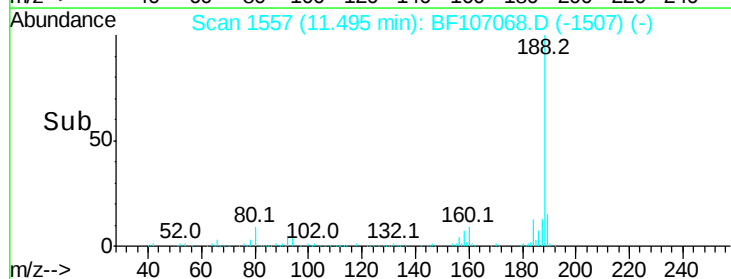


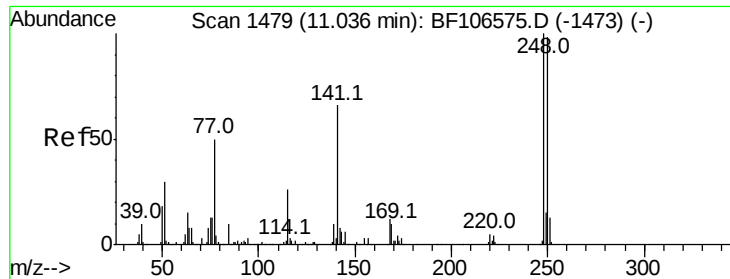
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

Tgt Ion:188 Resp: 171819
 Ion Ratio Lower Upper
 188 100
 94 8.2 8.5 12.7#
 80 9.0 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

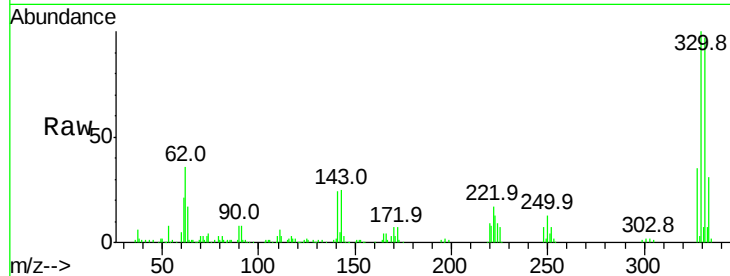




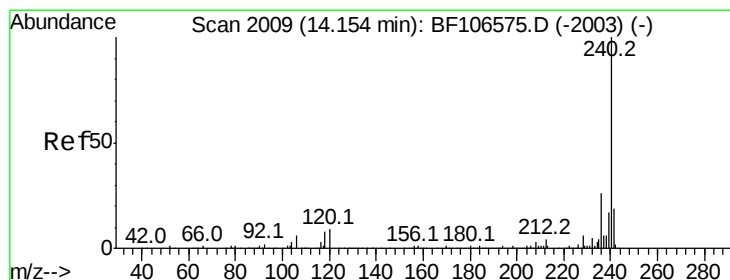
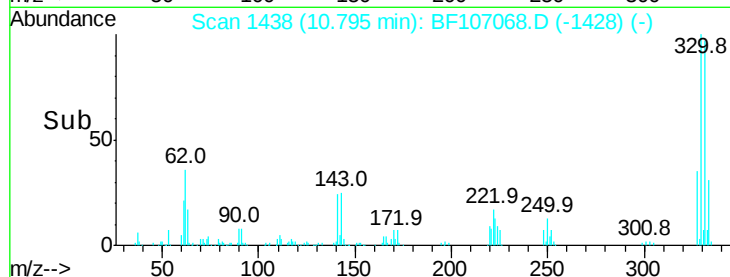
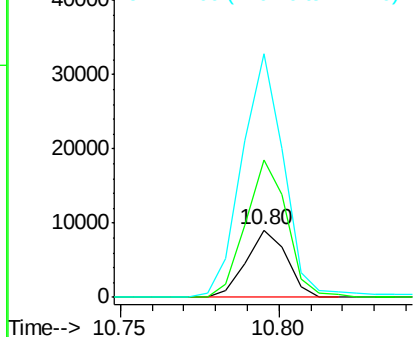
#66
 4-Bromophenyl-phenylether
 Concen: 3.890 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7976
 Ion Ratio Lower Upper
 248 100
 250 203.2 76.9 115.3#
 141 361.7 74.4 111.6#

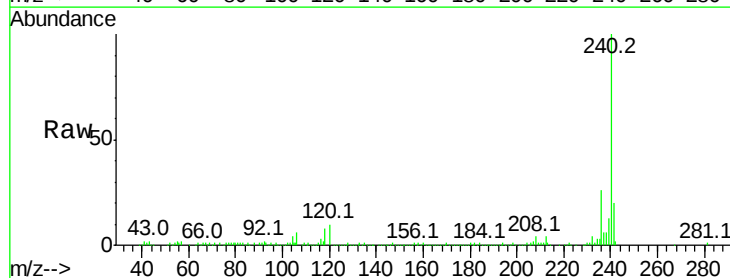


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

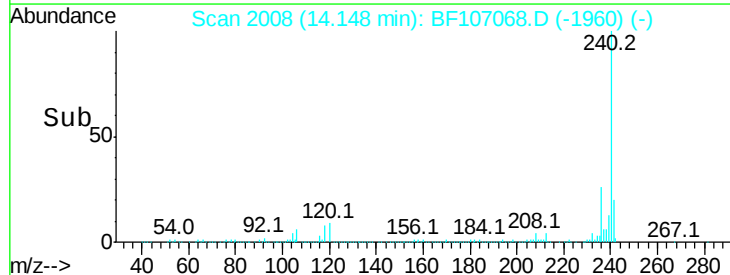
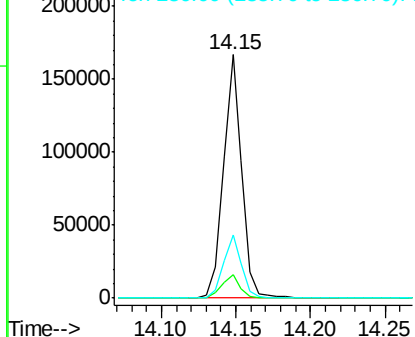


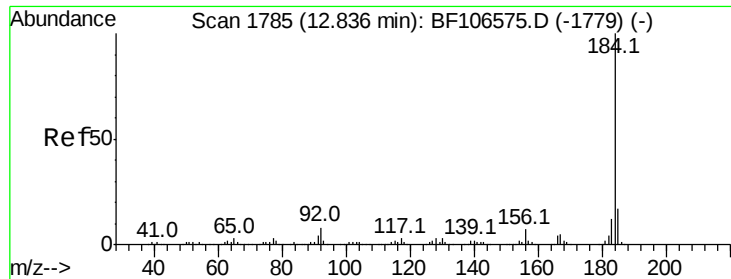
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.02 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

Tgt Ion:240 Resp: 144019
 Ion Ratio Lower Upper
 240 100
 120 9.6 9.5 14.3
 236 25.9 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

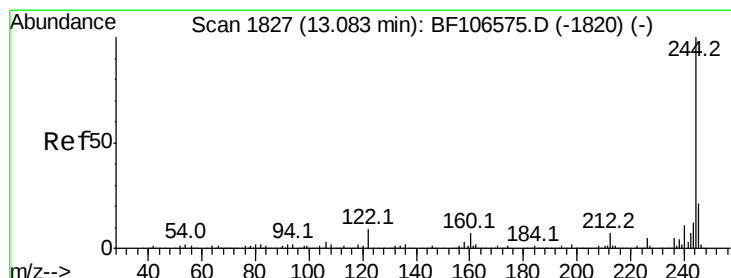
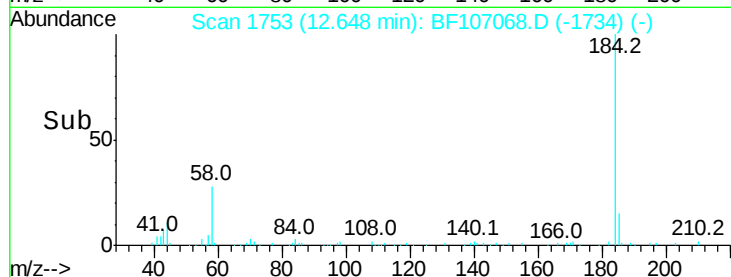
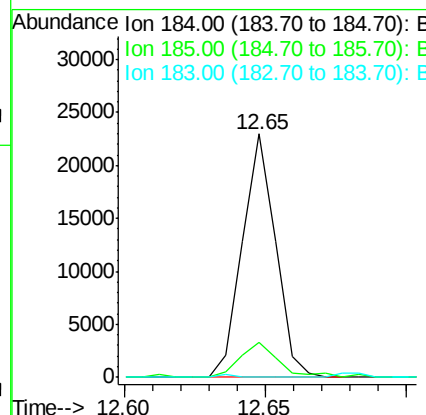
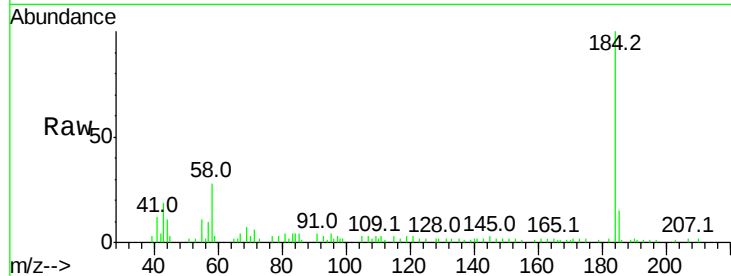




#76
Benzidine
Concen: 4.575 ng
RT: 12.65 min Scan# 1753
Delta R.T. -0.19 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

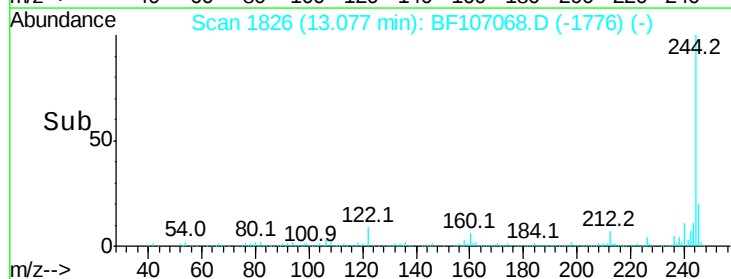
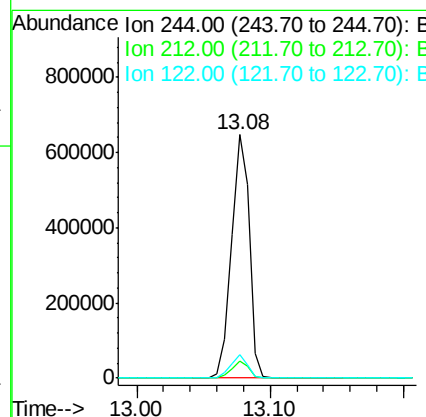
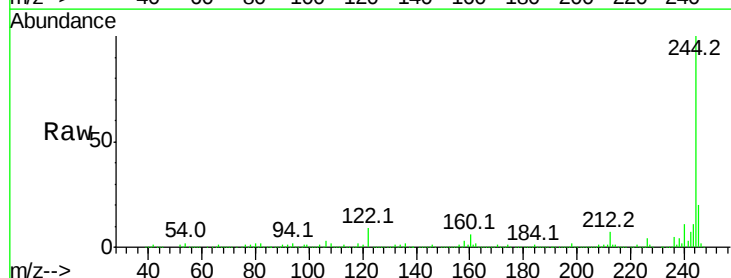
Instrument :
BNA_F
ClientSampleId :

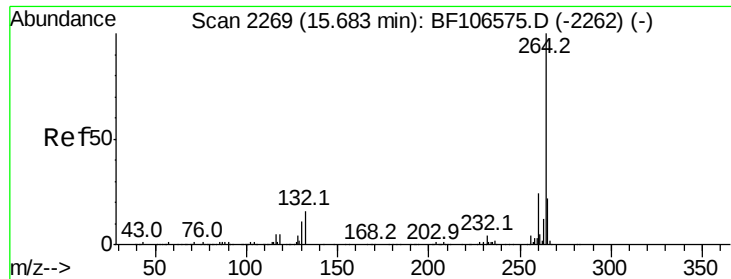
Tot Ion:184 Resp: 18764
Ion Ratio Lower Upper
184 100
185 14.5 12.6 18.8
183 0.0 9.3 13.9#



#78
Terphenyl-d14
Concen: 103.290 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107068.D
Acq: 3 Jul 2018 3:24

Tgt Ion:244 Resp: 614116
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 9.4 11.0 16.4#

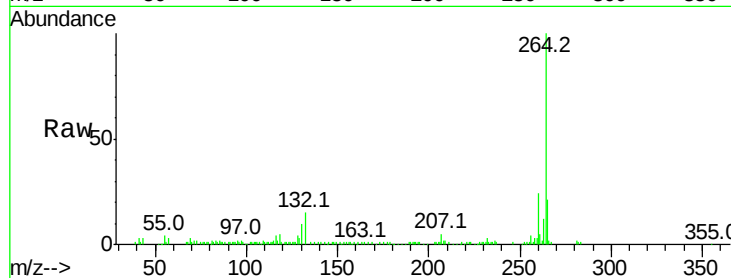




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107068.D
 Acq: 3 Jul 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	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

