

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102768.D
 Acq On : 6 Feb 2018 5:44
 Operator : SJ/JU
 Sample : J1454-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 07:25:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	215474	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	884501	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	387855	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	583839	20.00	ng	0.00
75) Chrysene-d12	14.04	240	371005	20.00	ng	0.00
86) Perylene-d12	15.52	264	331139	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1324205	93.33	ng	0.00
7) Phenol-d6	6.50	99	1594122	93.31	ng	0.00
23) Nitrobenzene-d5	7.45	82	1002823	78.65	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	292403	93.67	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1411313	60.38	ng	0.00
78) Terphenyl-d14	12.99	244	1025942	65.48	ng	0.00

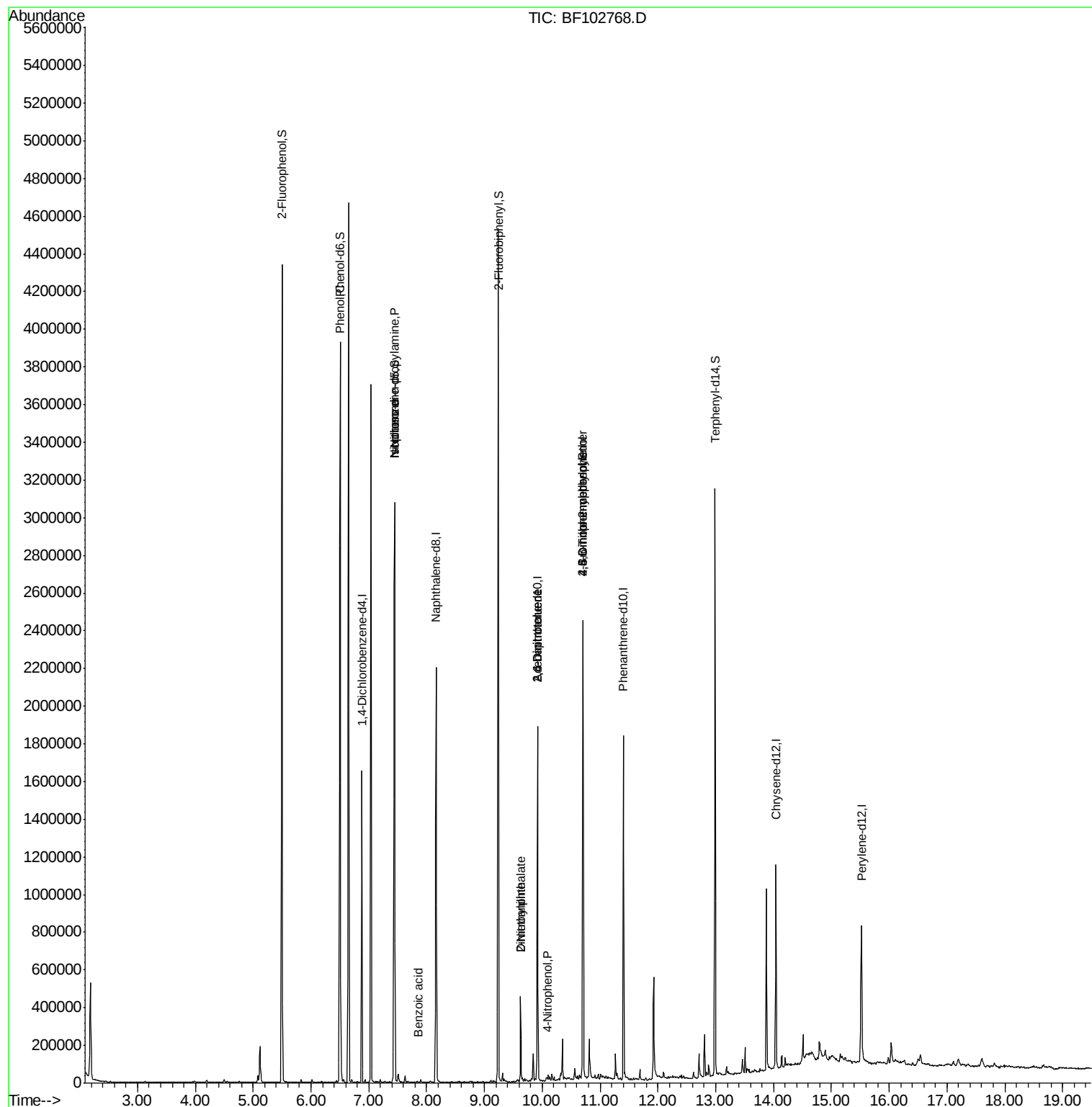
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	42851	2.341	ng	94
19) n-Nitroso-di-n-propylamine	7.45	70	133343	11.838	ng	# 81
25) Isophorone	7.45	82	1002804	34.156	ng	# 64
32) Benzoic acid	7.86	122	108	8.555	ng	# 1
47) 2-Nitroaniline	9.63	65	1492	3.647	ng	# 1
49) Dimethylphthalate	9.63	163	152522	5.043	ng	99
50) 2,6-Dinitrotoluene	9.92	165	49172	8.546	ng	# 26
55) 4-Nitrophenol	10.09	139	111	4.042	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	49172	9.040	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	430	8.956	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18535	3.001	ng	# 1

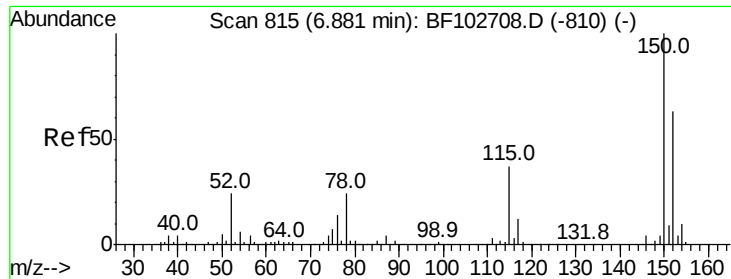
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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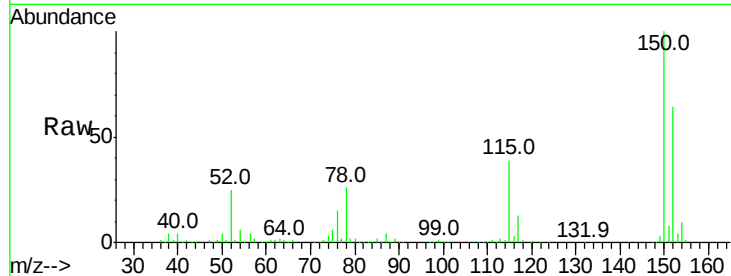


#1

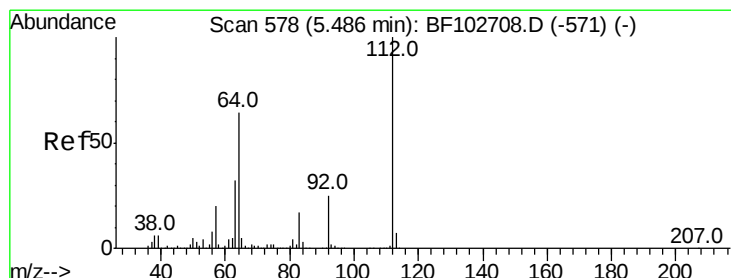
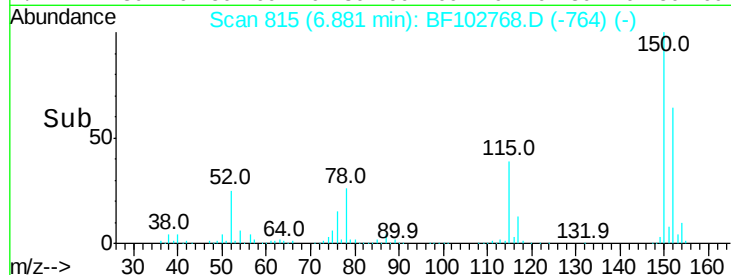
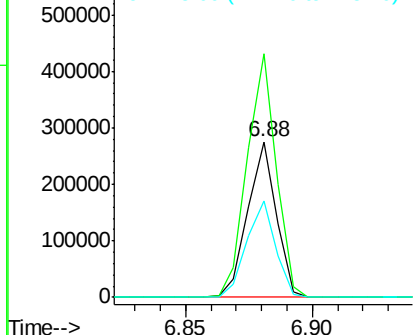
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102768.D
Acq: 6 Feb 2018 5:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 215474
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 61.9 50.1 75.1



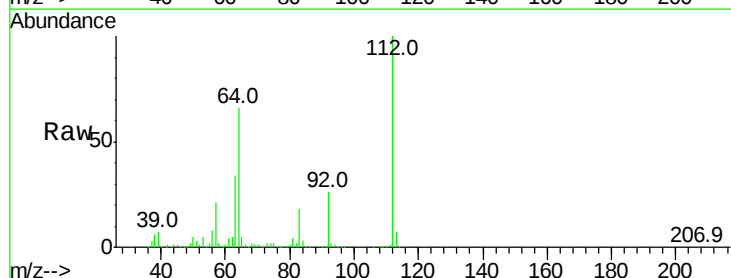
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



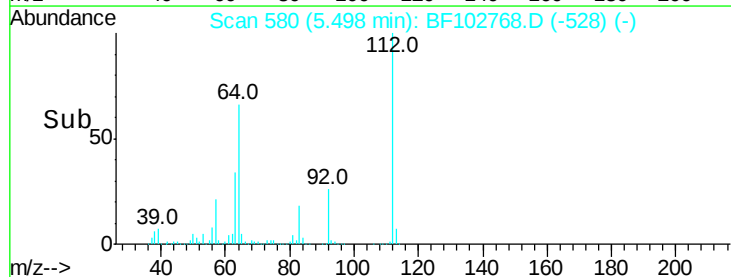
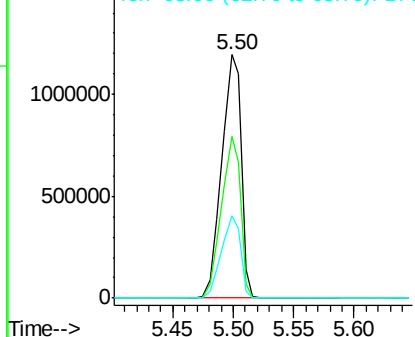
#5

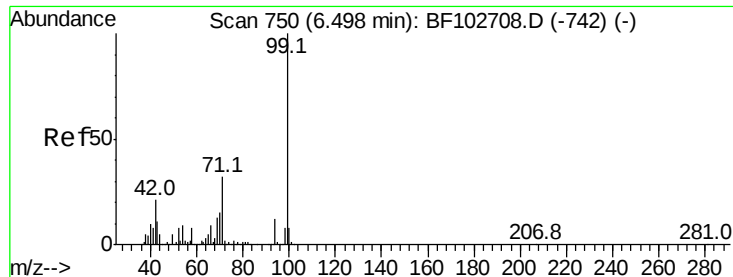
2-Fluorophenol
Concen: 93.330 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102768.D
Acq: 6 Feb 2018 5:44

Tgt Ion:112 Resp: 1324205
Ion Ratio Lower Upper
112 100
64 66.4 47.9 71.9
63 33.8 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: 93.312 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Instrument :

BNA_F

ClientSampleId :

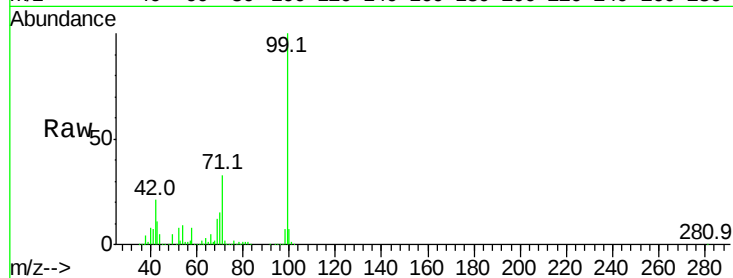
Tot Ion: 99 Resp: 1594122

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

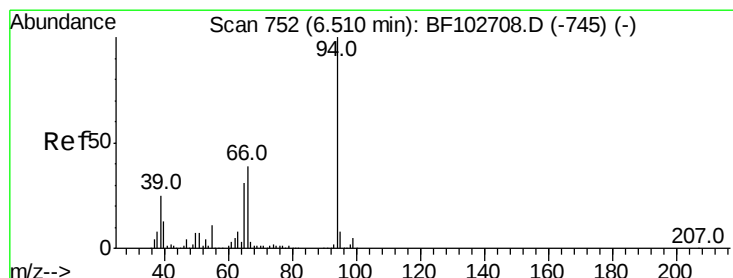
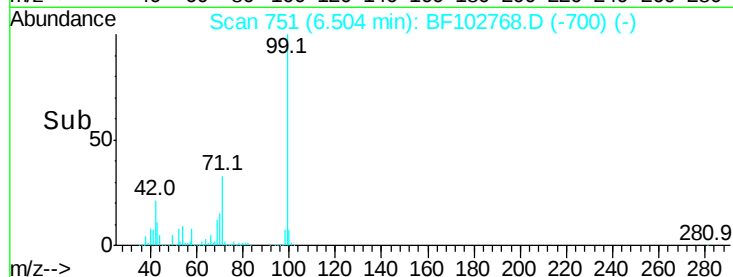
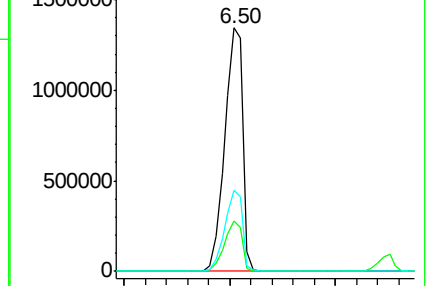
71 33.4 25.4 38.0



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: 2.341 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

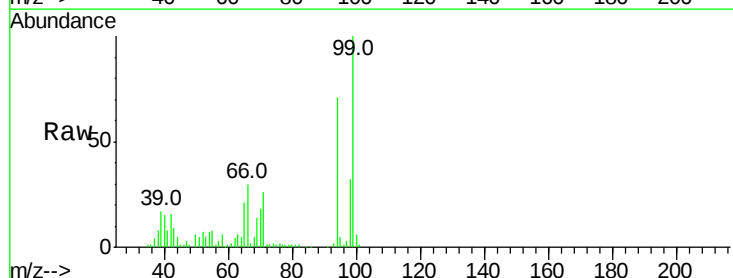
Tgt Ion: 94 Resp: 42851

Ion Ratio Lower Upper

94 100

65 29.6 7.9 47.9

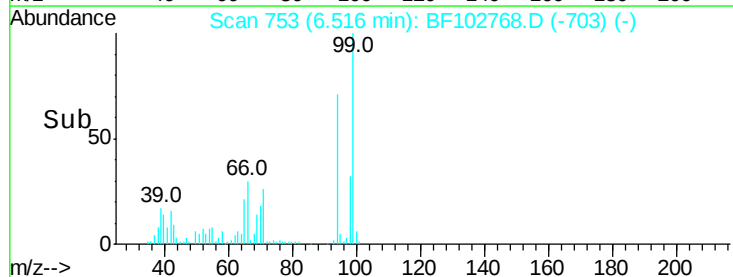
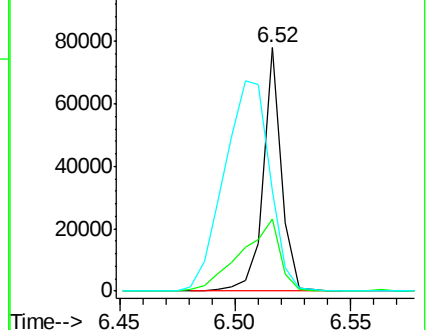
66 41.4 16.2 56.2

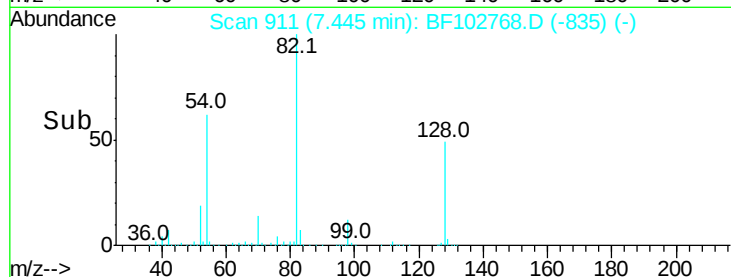
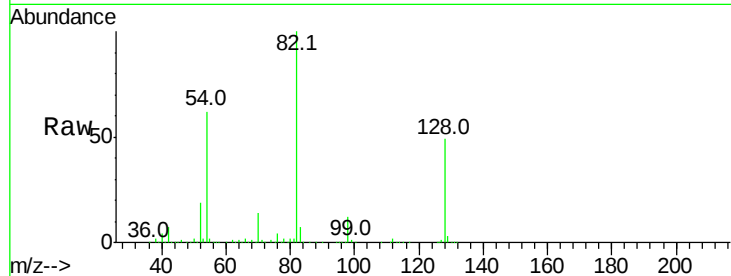
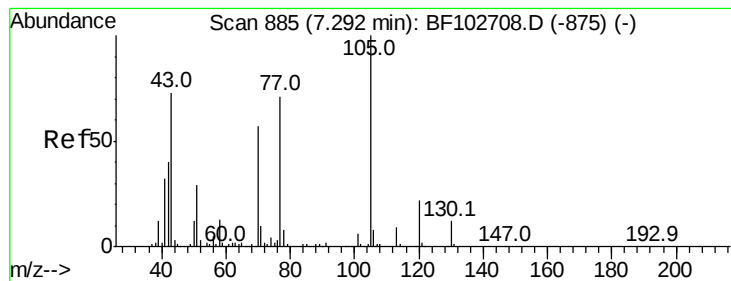


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.838 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 133343

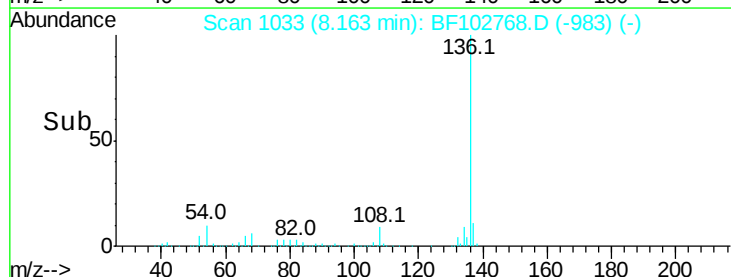
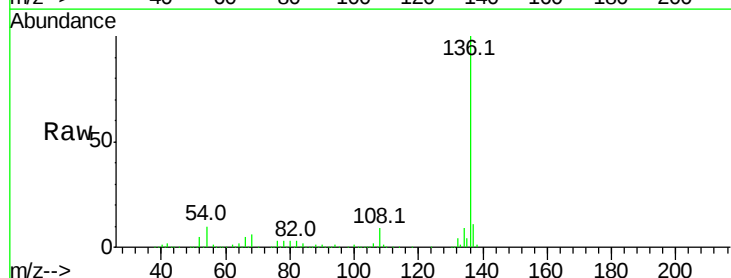
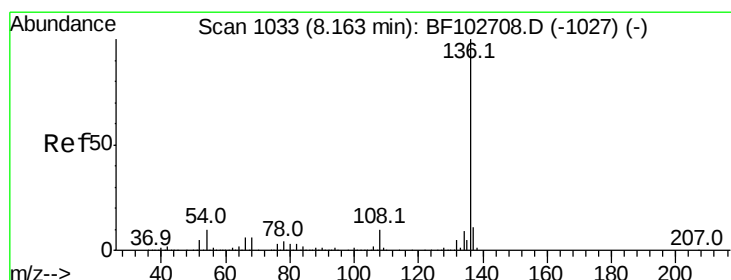
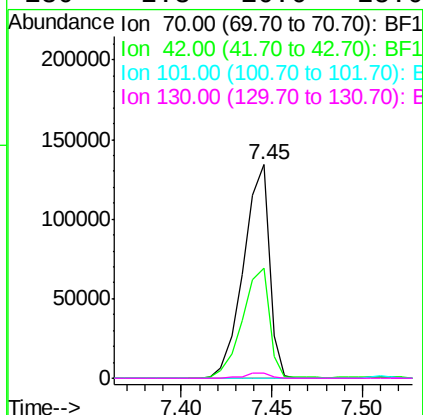
Ion Ratio Lower Upper

70 100

42 51.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Tgt Ion:136 Resp: 884501

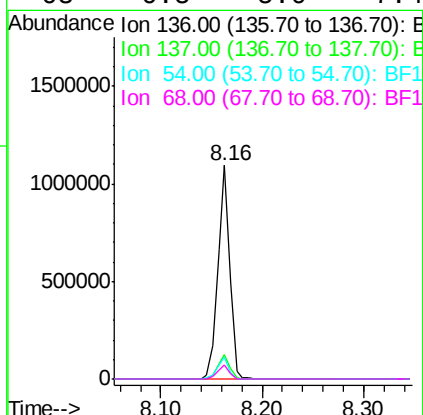
Ion Ratio Lower Upper

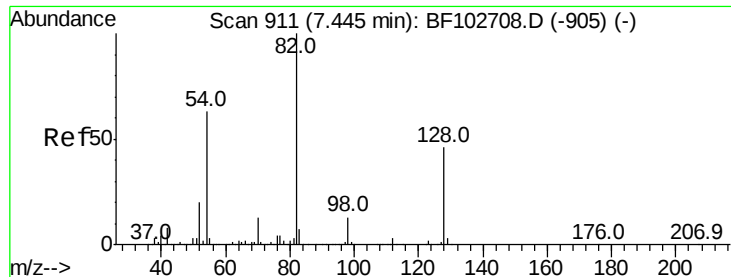
136 100

137 11.2 8.9 13.3

54 10.2 6.6 9.8#

68 6.5 5.0 7.4

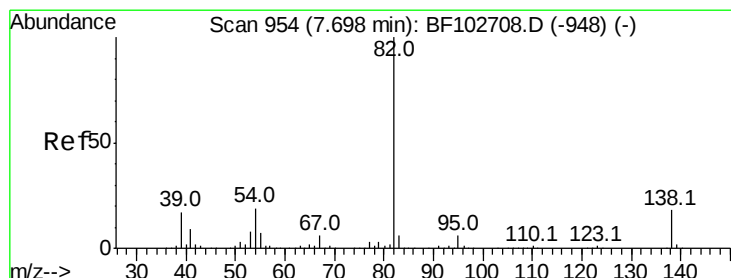
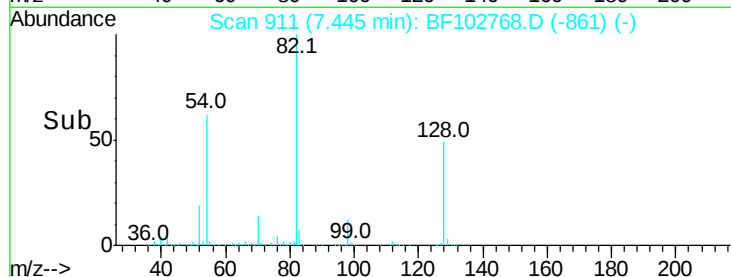
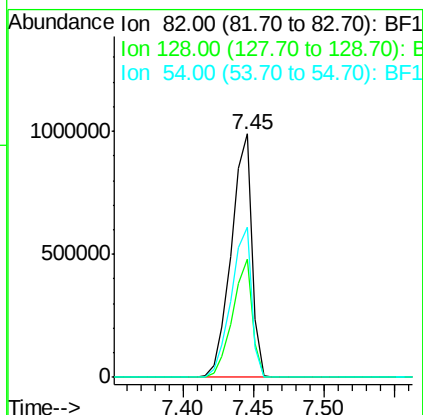
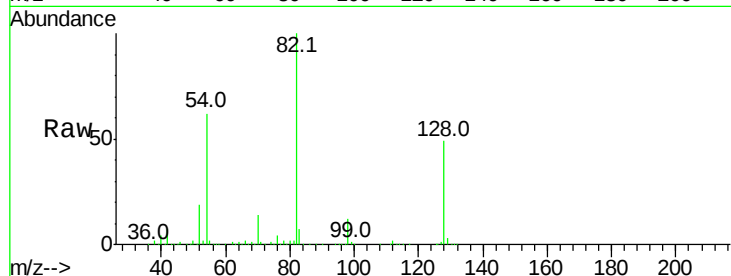




#23
 Nitrobenzene-d5
 Concen: 78.650 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF102768.D
 Acq: 6 Feb 2018 5:44

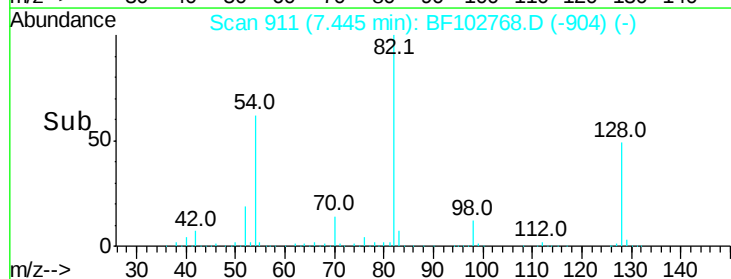
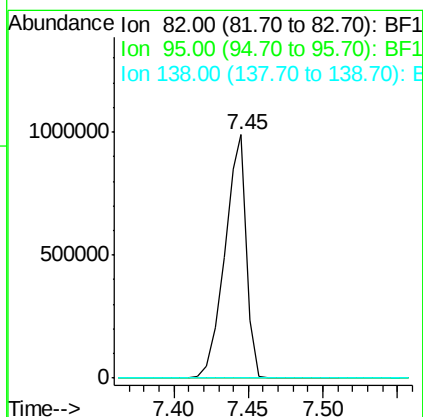
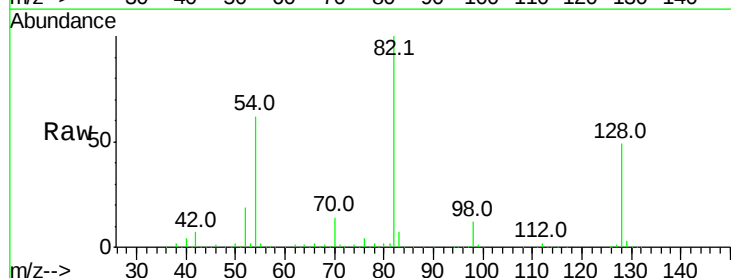
Instrument :
 BNA_F
 ClientSampleId :

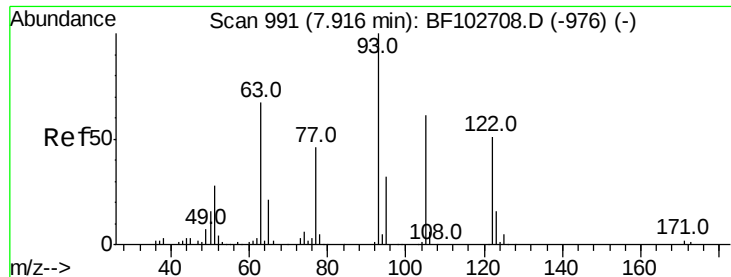
Tot Ion: 82 Resp: 1002823
 Ion Ratio Lower Upper
 82 100
 128 48.6 36.1 54.1
 54 61.7 41.4 62.2



#25
 Isophorone
 Concen: 34.156 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF102768.D
 Acq: 6 Feb 2018 5:44

Tgt Ion: 82 Resp: 1002804
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 8.555 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.08 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Instrument :

BNA_F

ClientSampled :

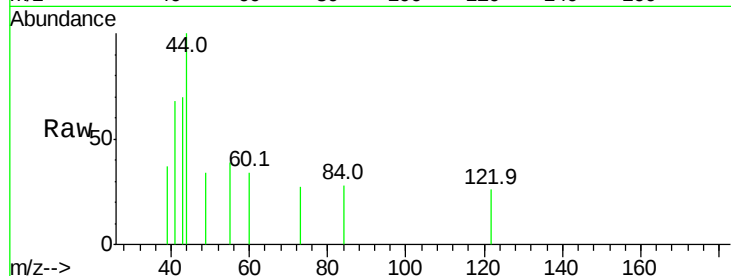
Tot Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 0.0 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

800

600

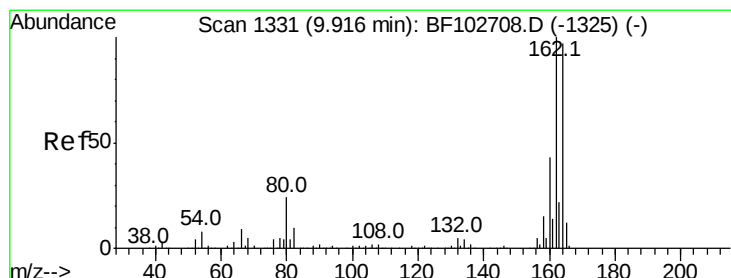
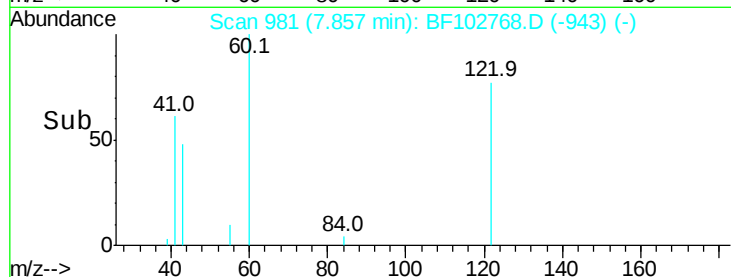
400

200

0

7.85 7.86 7.87

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

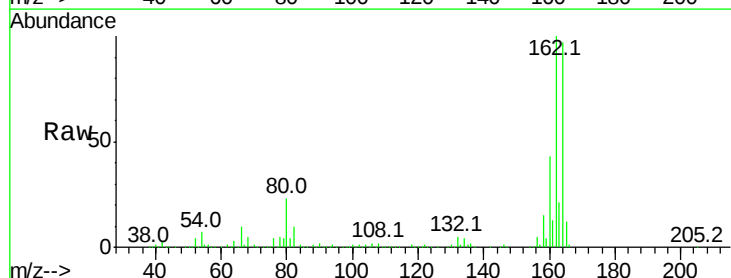
Tgt Ion:164 Resp: 387855

Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

160 44.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

600000

500000

400000

300000

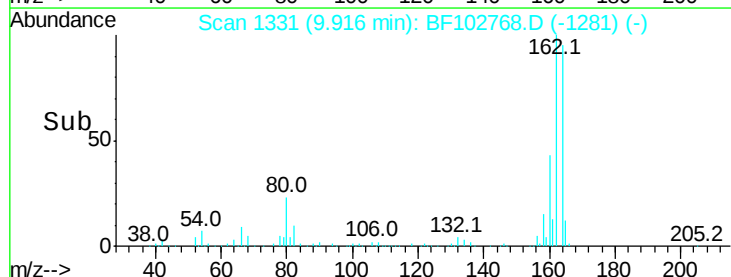
200000

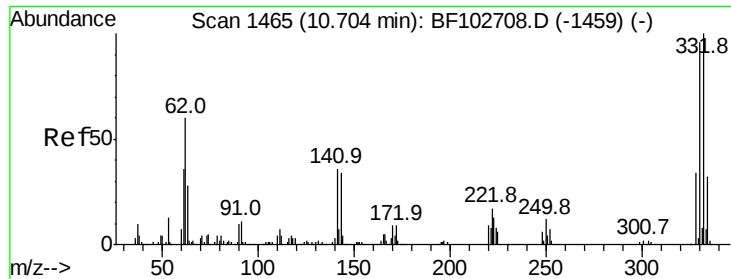
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0

9.85 9.90 9.95 10.00

Time-->

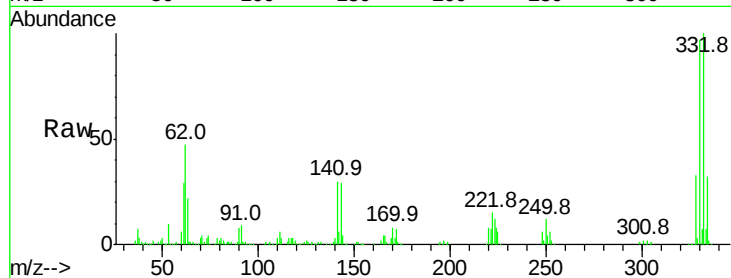




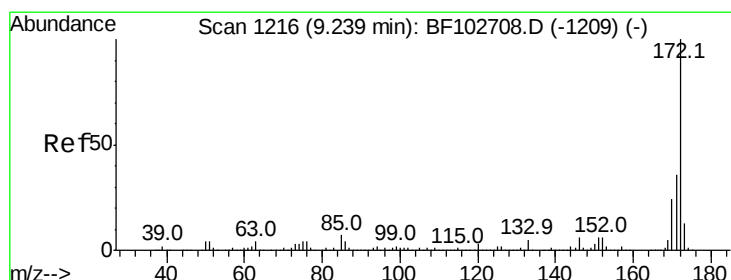
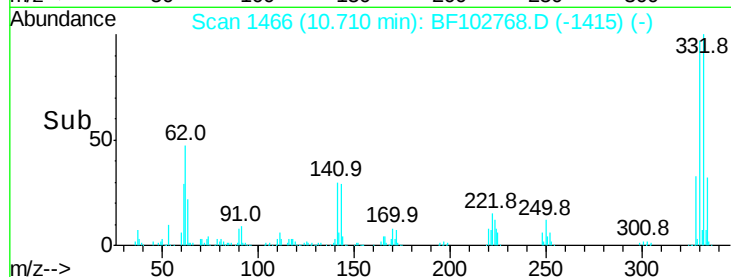
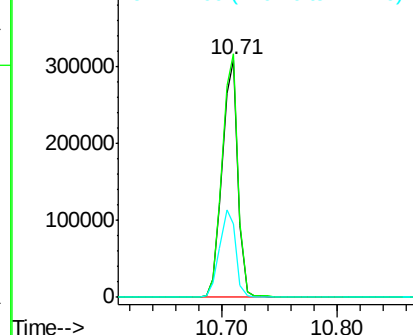
#41
 2,4,6-Tribromophenol
 Concen: 93.665 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102768.D
 Acq: 6 Feb 2018 5:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 292403
 Ion Ratio Lower Upper
 330 100
 332 103.1 77.0 115.6
 141 37.9 29.9 44.9

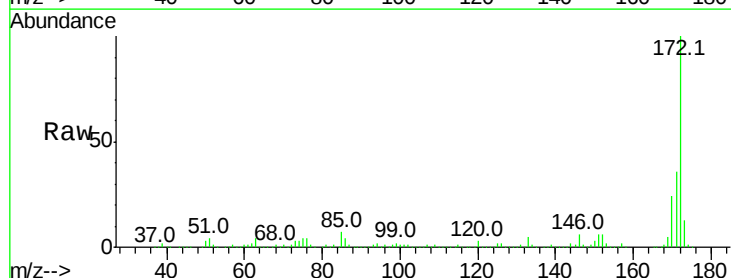


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

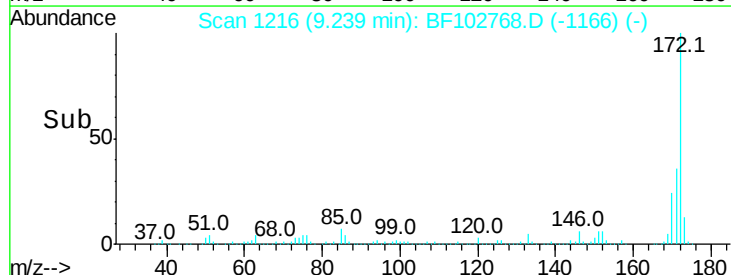
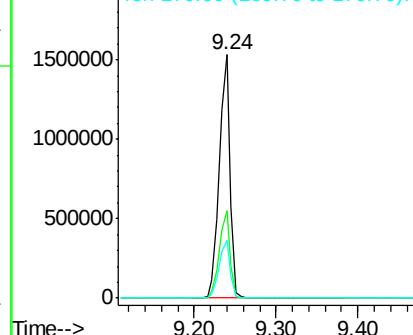


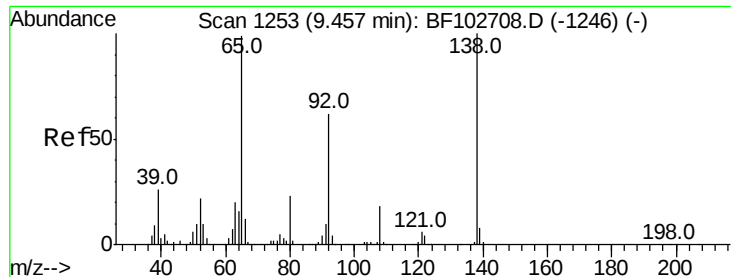
#44
 2-Fluorobiphenyl
 Concen: 60.380 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102768.D
 Acq: 6 Feb 2018 5:44

Tgt Ion:172 Resp: 1411313
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.9 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#47

2-Nitroaniline

Concen: 3.647 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.16 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Instrument :

BNA_F

ClientSampleId :

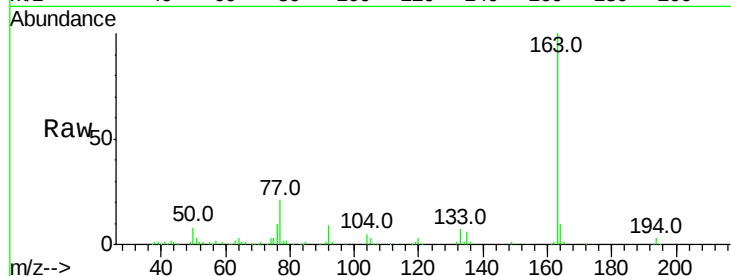
Tot Ion: 65 Resp: 1492

Ion Ratio Lower Upper

65 100

92 1039.3 55.8 83.6#

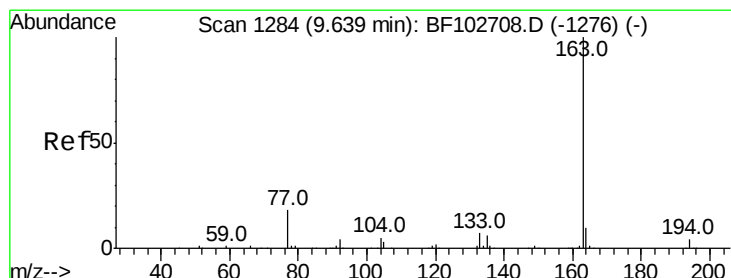
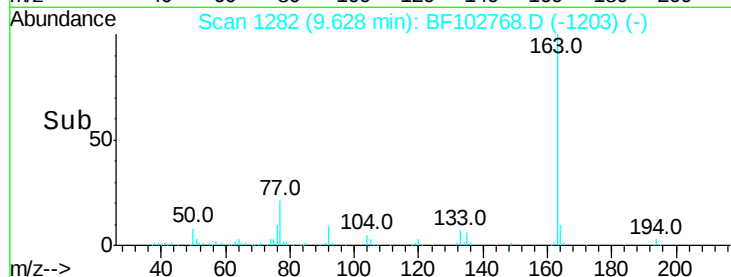
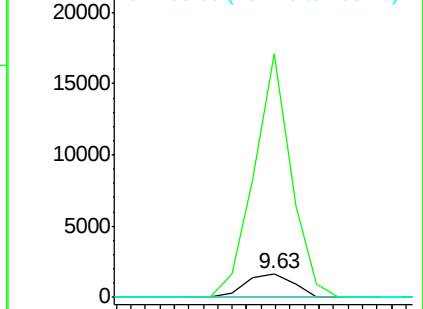
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 5.043 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

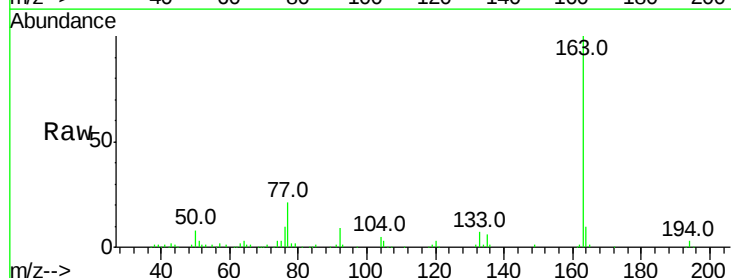
Tgt Ion: 163 Resp: 152522

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

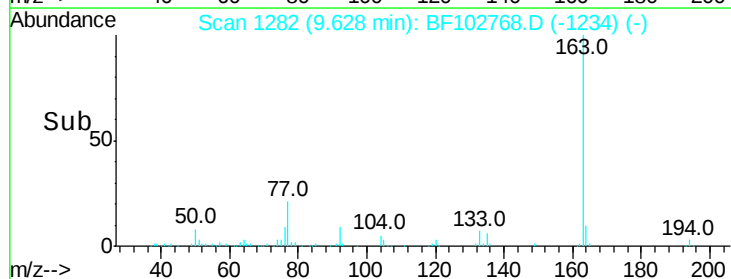
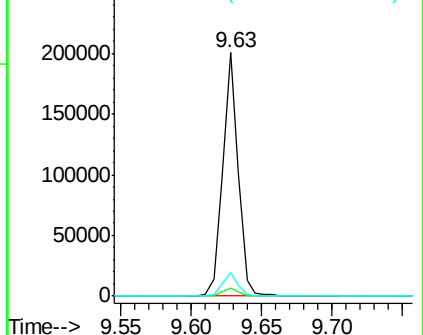
164 9.9 8.2 12.2

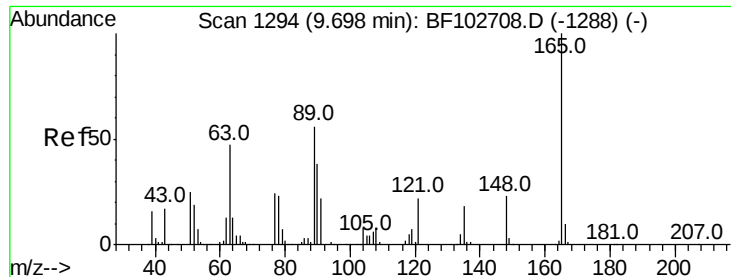


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

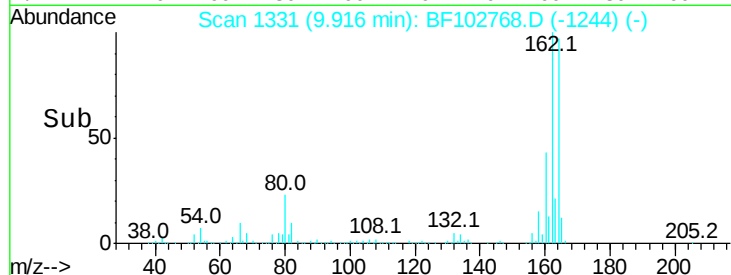
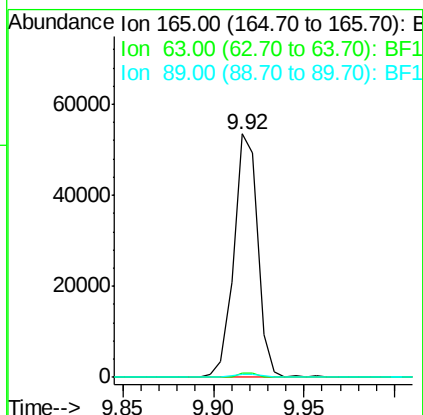
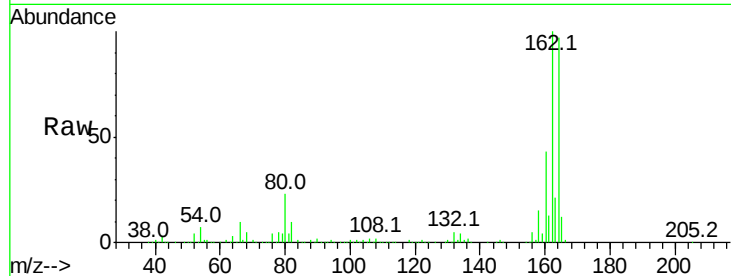




#50
2,6-Dinitrotoluene
Concen: 8.546 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF102768.D
Acq: 6 Feb 2018 5:44

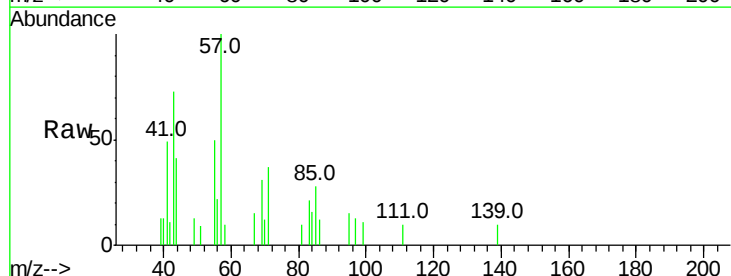
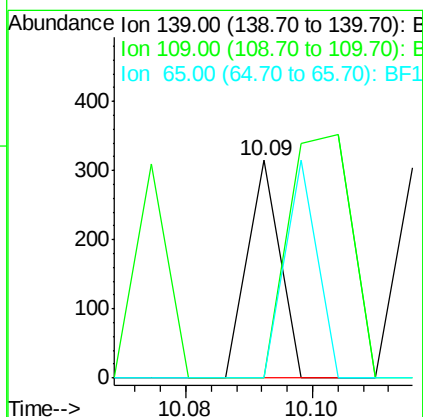
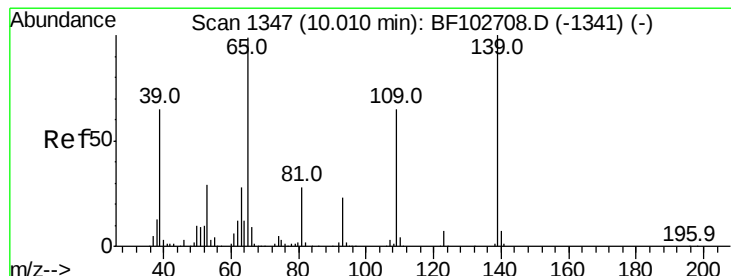
Instrument :
BNA_F
ClientSampleId :

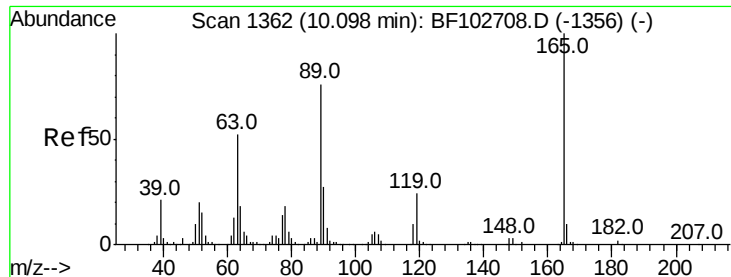
Tot Ion:165 Resp: 49172
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.3 44.0 66.0#



#55
4-Nitrophenol
Concen: 4.042 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.07 min
Lab File: BF102768.D
Acq: 6 Feb 2018 5:44

Tgt Ion:139 Resp: 111
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

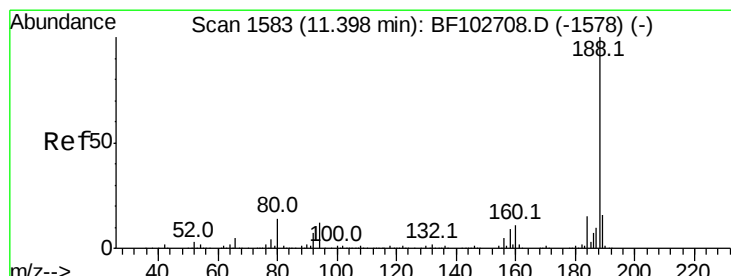
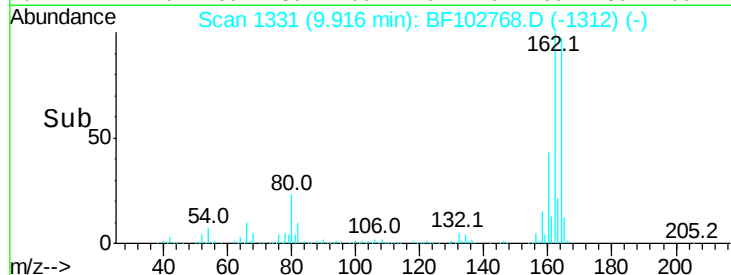
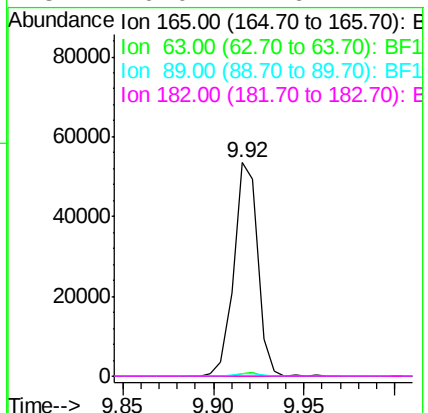
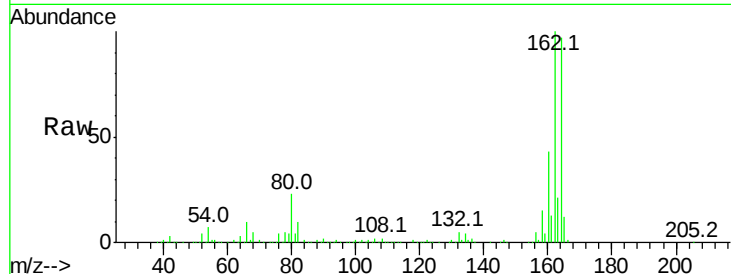




#56
 2,4-Dinitrotoluene
 Concen: 9.040 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF102768.D
 Acq: 6 Feb 2018 5:44

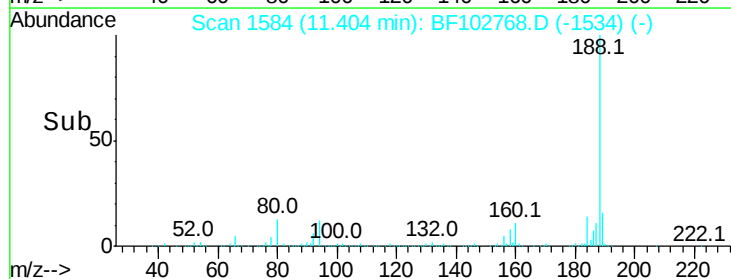
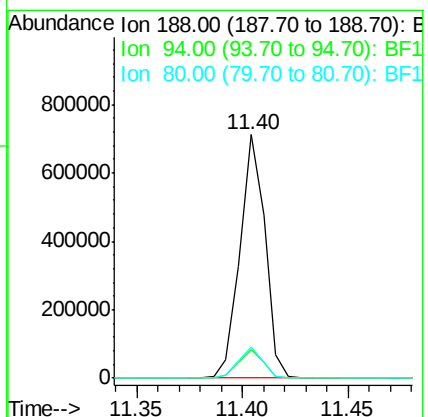
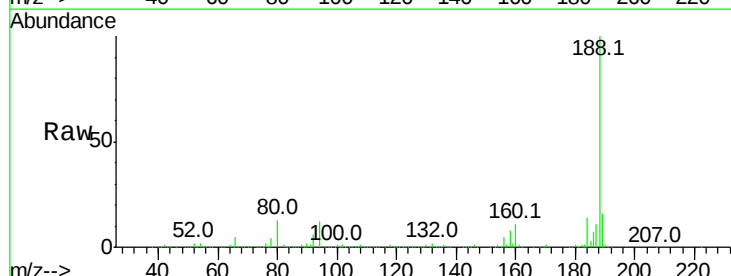
Instrument :
 BNA_F
 ClientSampleId :

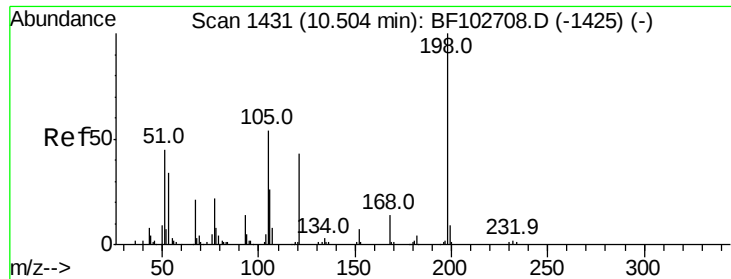
Tot Ion:165 Resp: 49172
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF102768.D
 Acq: 6 Feb 2018 5:44

Tgt Ion:188 Resp: 583839
 Ion Ratio Lower Upper
 188 100
 94 11.6 8.5 12.7
 80 12.6 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.956 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Instrument :

BNA_F

ClientSampled :

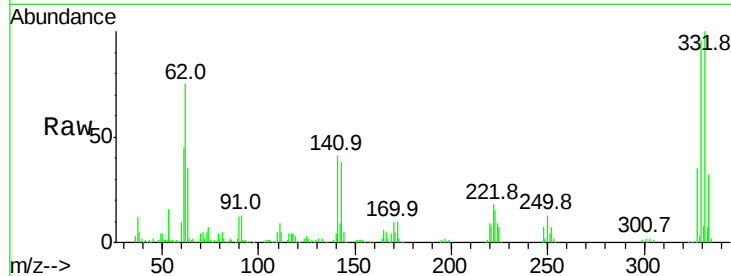
Tot Ion:198 Resp: 430

Ion Ratio Lower Upper

198 100

51 253.5 37.7 77.7#

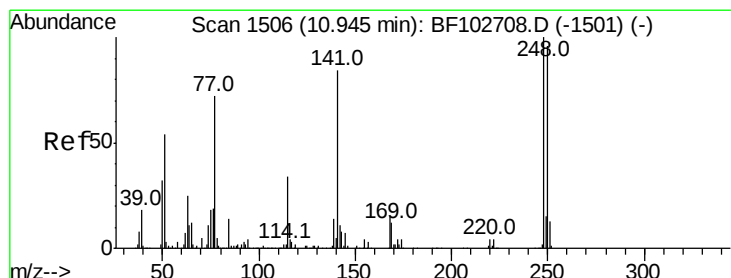
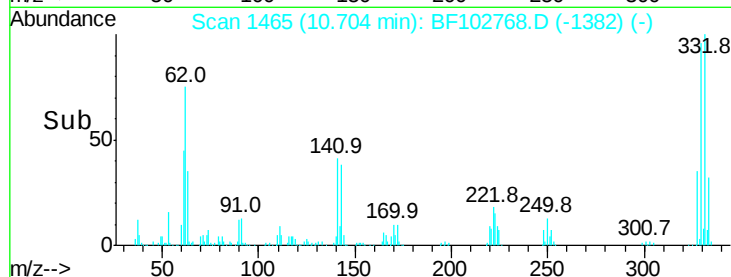
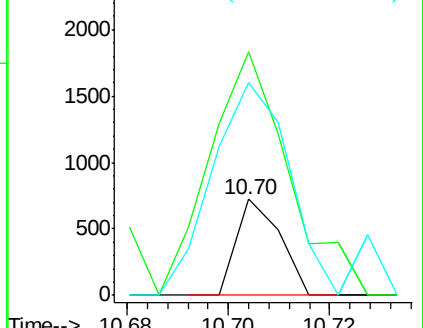
105 221.6 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.001 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

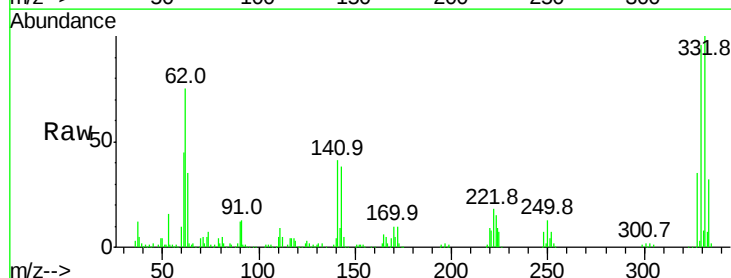
Tgt Ion:248 Resp: 18535

Ion Ratio Lower Upper

248 100

250 195.0 76.9 115.3#

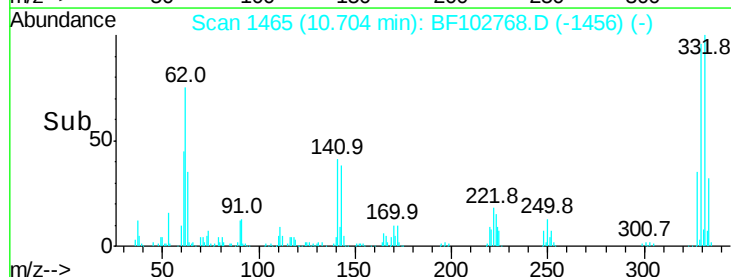
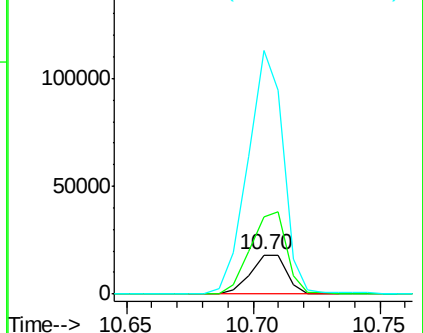
141 618.4 74.4 111.6#

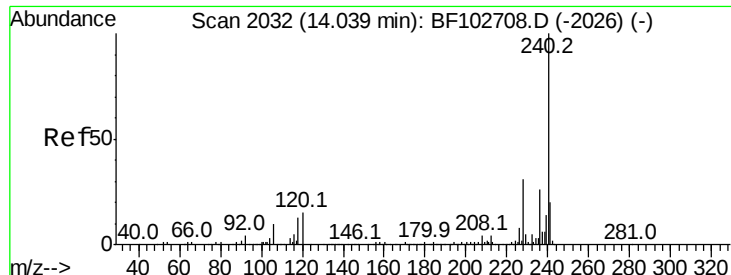


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

Instrument :

BNA_F

ClientSampleId :

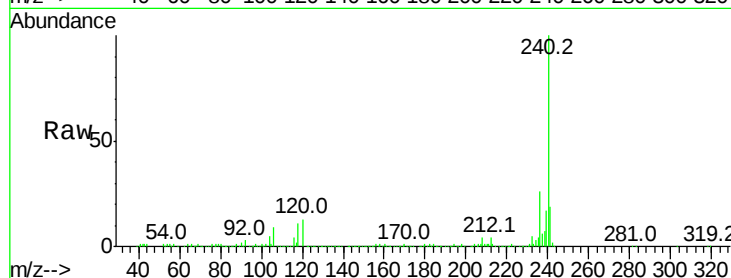
Tot Ion:240 Resp: 371005

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

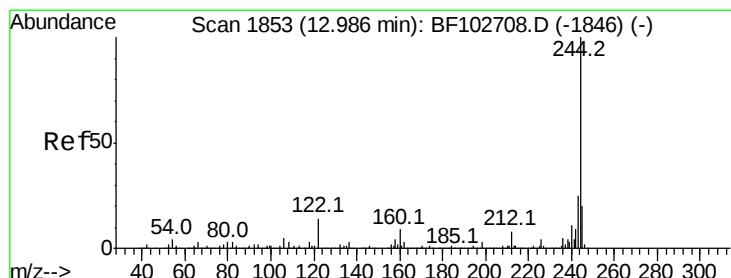
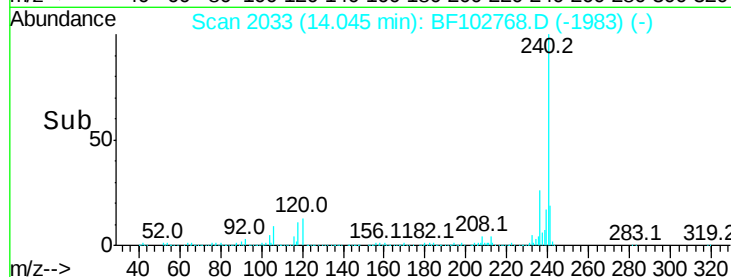
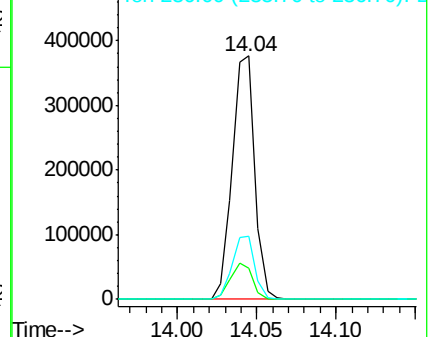
236 26.2 20.7 31.1



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: 65.476 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102768.D

Acq: 6 Feb 2018 5:44

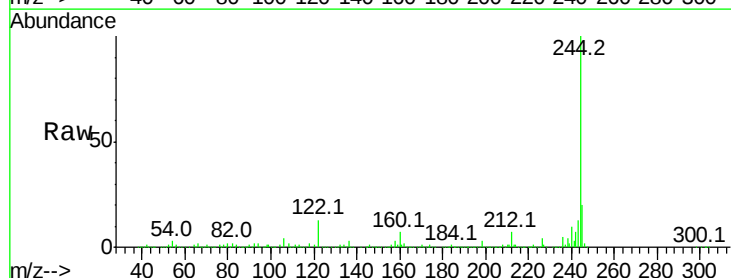
Tgt Ion:244 Resp: 1025942

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

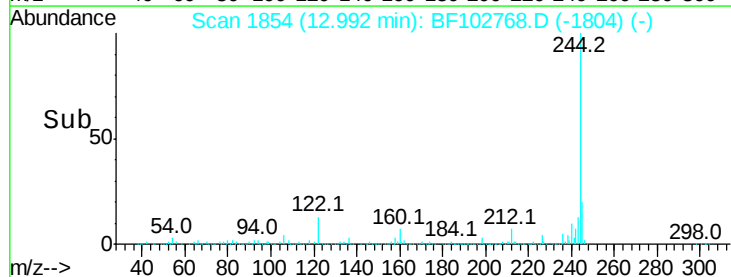
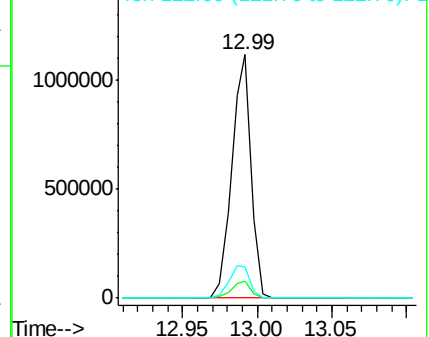
122 13.0 11.0 16.4

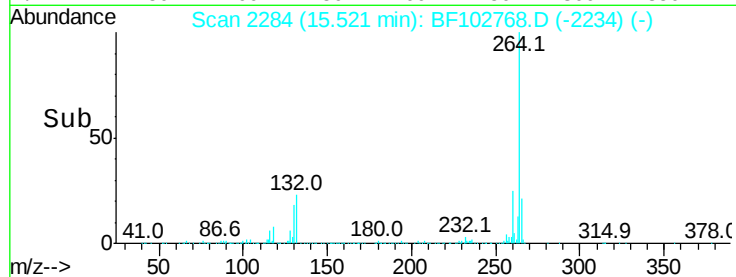
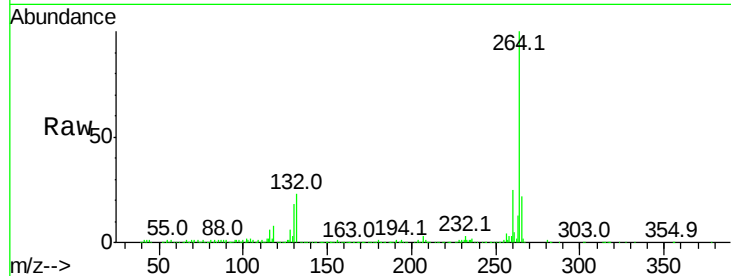
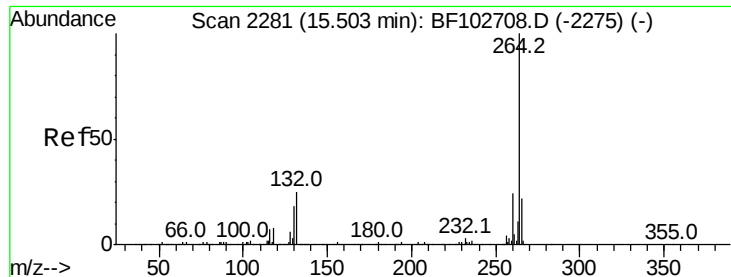


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102768.D
Acq: 6 Feb 2018 5:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.6	17.5	26.3

