

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103706.D
 Acq On : 16 Mar 2018 19:46
 Operator : JU/SJ
 Sample : J1929-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 23:00:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	164257	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	673677	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	300449	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	469602	20.00	ng	0.00
75) Chrysene-d12	14.15	240	309731	20.00	ng	0.00
86) Perylene-d12	15.69	264	282913	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1055135	97.70	ng	0.01
7) Phenol-d6	6.59	99	1297414	98.20	ng	0.00
23) Nitrobenzene-d5	7.53	82	777164	80.45	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	249251	96.49	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1176397	62.46	ng	0.00
78) Terphenyl-d14	13.09	244	838866	62.87	ng	0.00

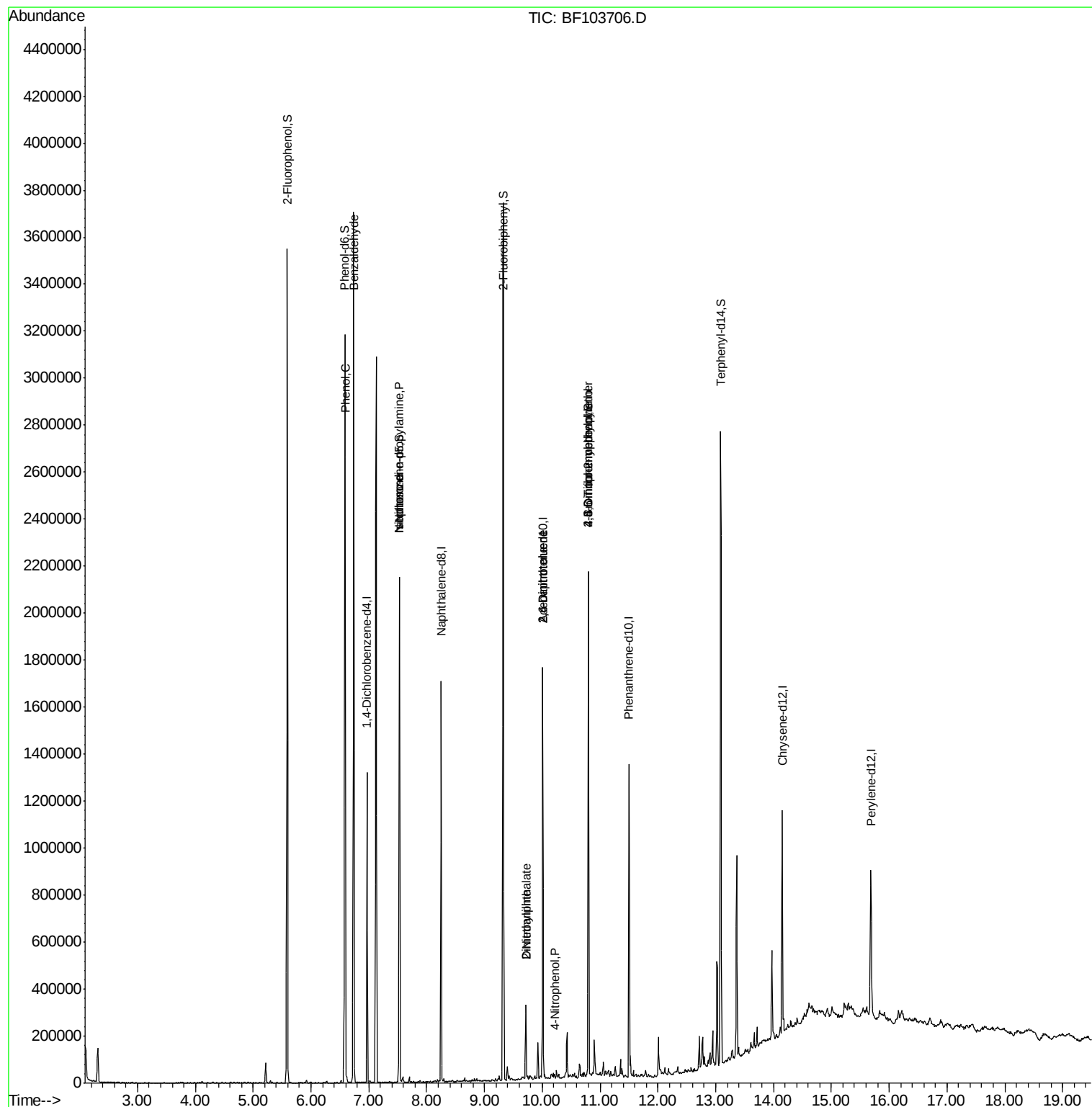
Target Compounds				Qvalue		
9) Benzaldehyde	6.74	77	23536	2.712	ng	83
10) Phenol	6.60	94	33874	2.413	ng	98
19) n-Nitroso-di-n-propylamine	7.53	70	103475	12.221	ng	# 76
25) Isophorone	7.53	82	777143	34.751	ng	# 64
47) 2-Nitroaniline	9.71	65	1240	7.019	ng	# 1
49) Dimethylphthalate	9.72	163	98268	4.287	ng	99
50) 2,6-Dinitrotoluene	10.01	165	37831	11.807	ng	# 25
55) 4-Nitrophenol	10.22	139	824	5.154	ng	# 33
56) 2,4-Dinitrotoluene	10.01	165	37831	12.076	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	472	8.418	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15504	3.216	ng	# 1

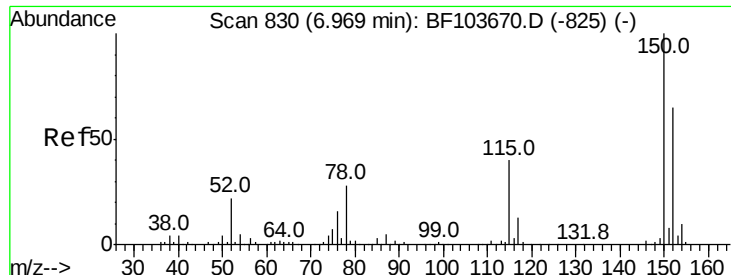
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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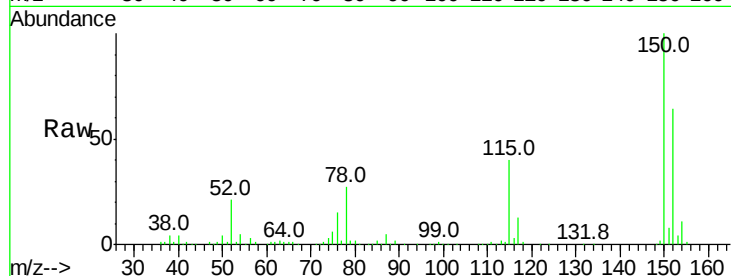


#1

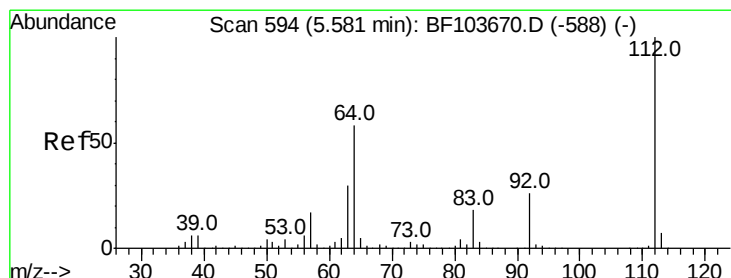
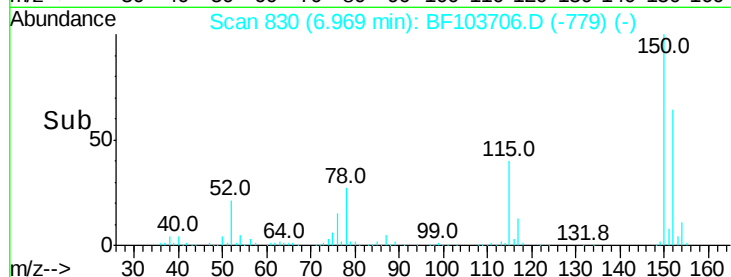
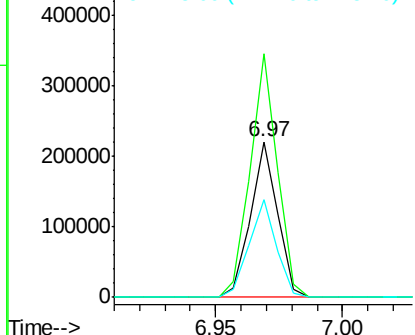
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 164257
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 63.1 50.1 75.1



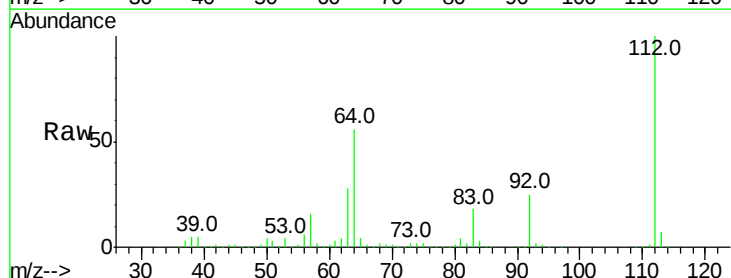
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



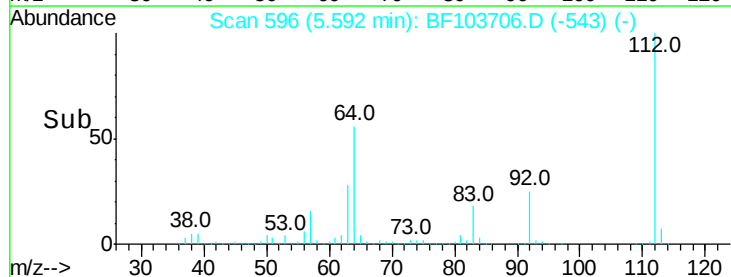
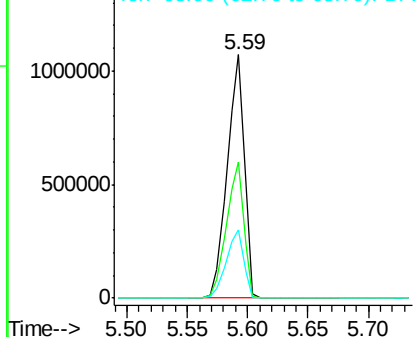
#5

2-Fluorophenol
Concen: 97.704 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

Tgt Ion:112 Resp: 1055135
Ion Ratio Lower Upper
112 100
64 55.7 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: 98.198 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

Instrument :

BNA_F

ClientSampleId :

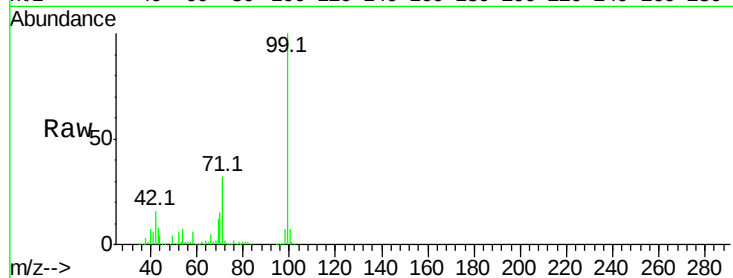
Tot Ion: 99 Resp: 1297414

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

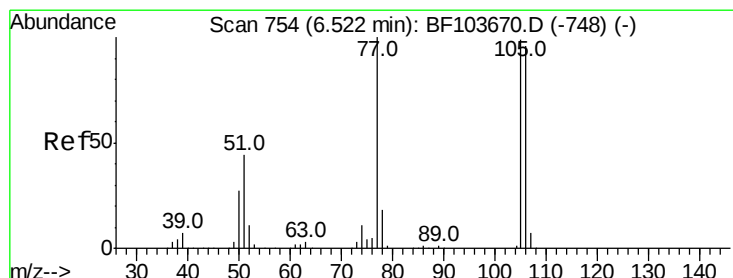
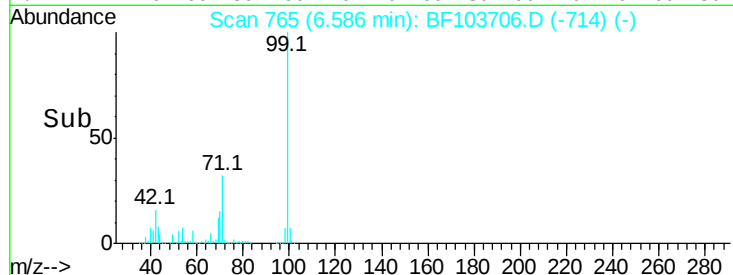
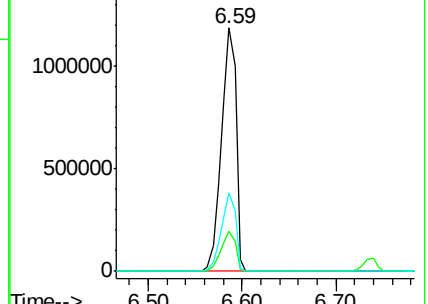
71 32.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.712 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.22 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

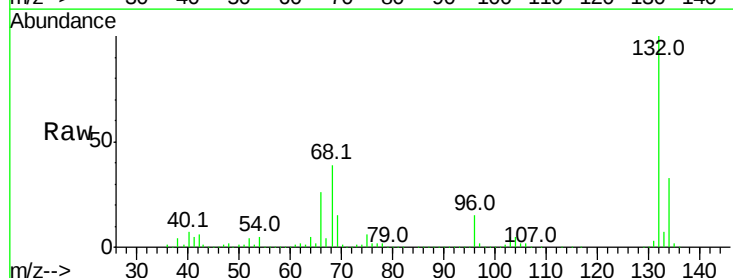
Tgt Ion: 77 Resp: 23536

Ion Ratio Lower Upper

77 100

105 85.1 81.1 121.1

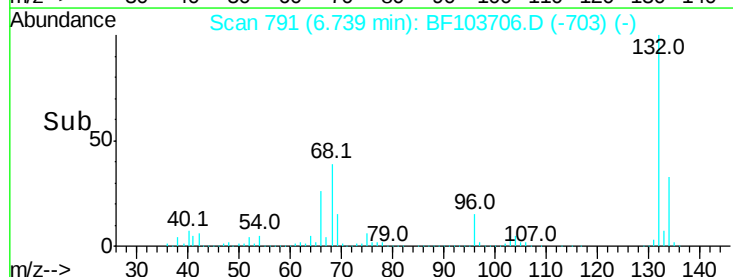
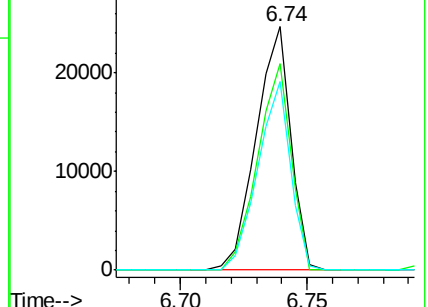
106 77.4 74.5 114.5

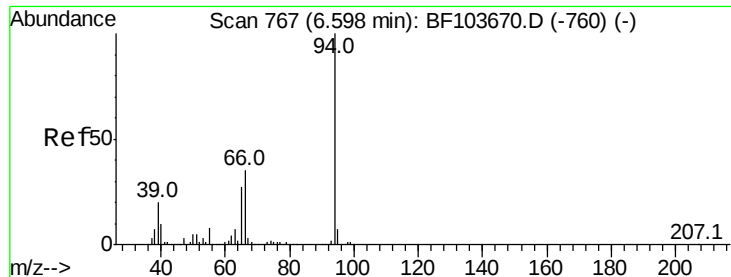


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.413 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

Instrument :

BNA_F

ClientSampleId :

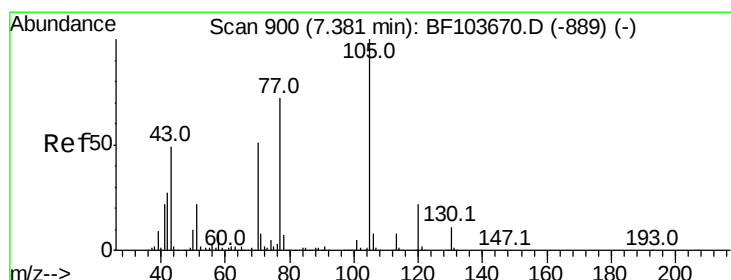
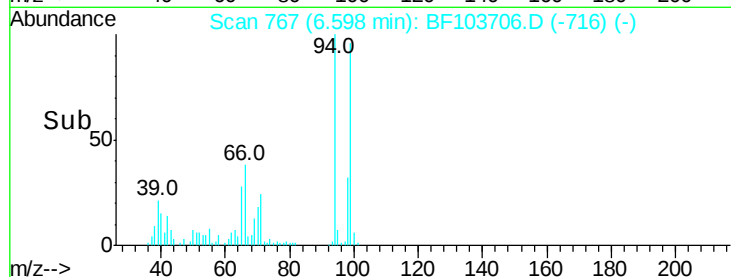
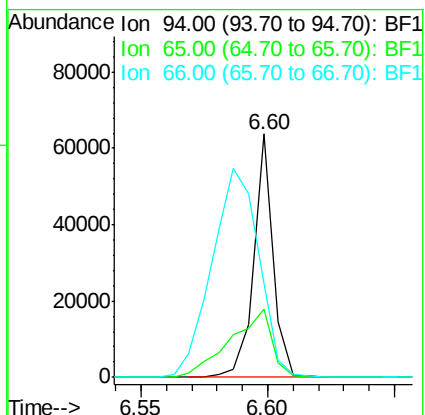
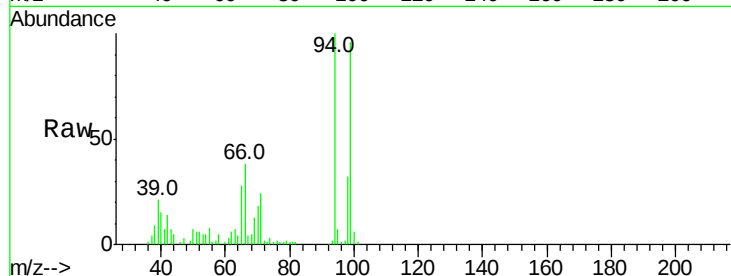
Tot Ion: 94 Resp: 33874

Ion Ratio Lower Upper

94 100

65 28.2 7.9 47.9

66 38.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.221 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.15 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

Tgt Ion: 70 Resp: 103475

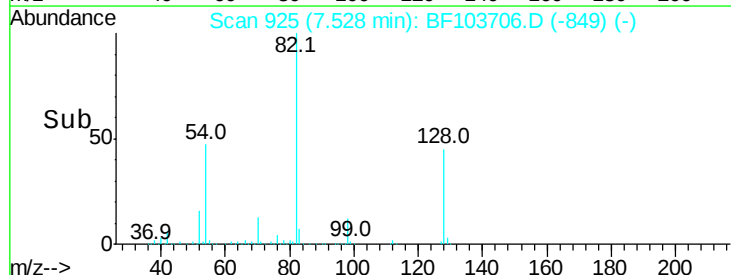
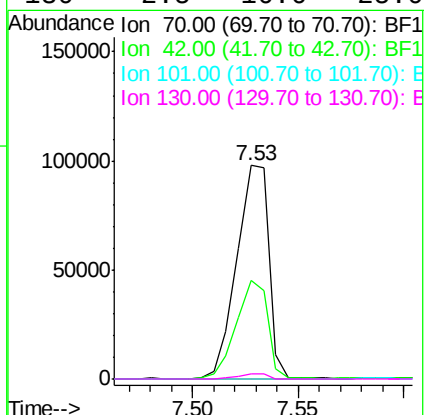
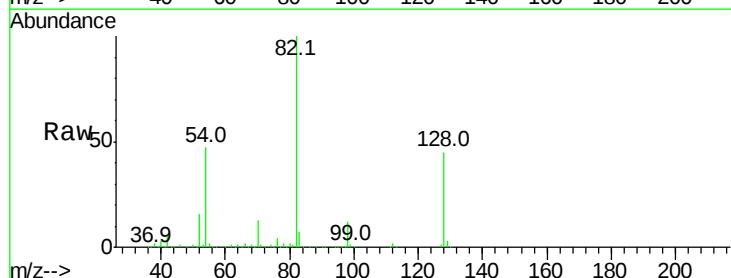
Ion Ratio Lower Upper

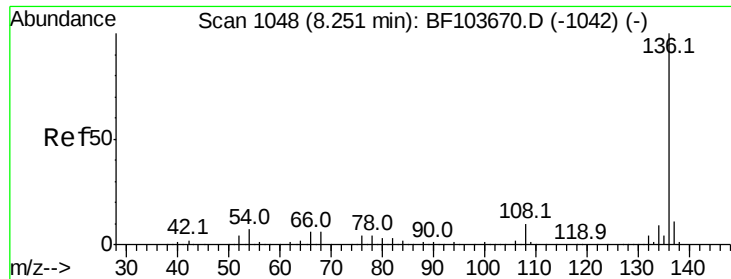
70 100

42 46.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

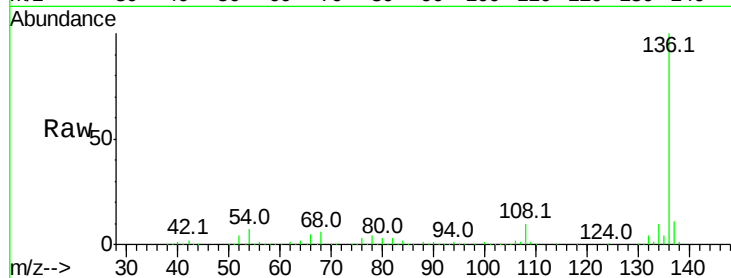




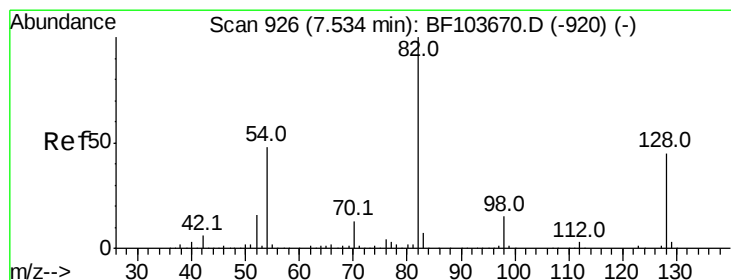
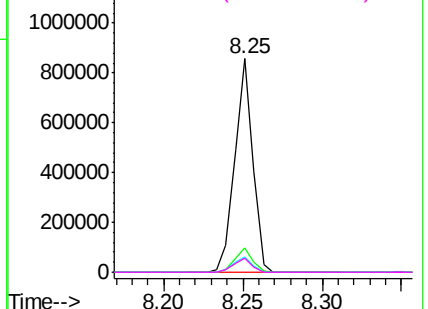
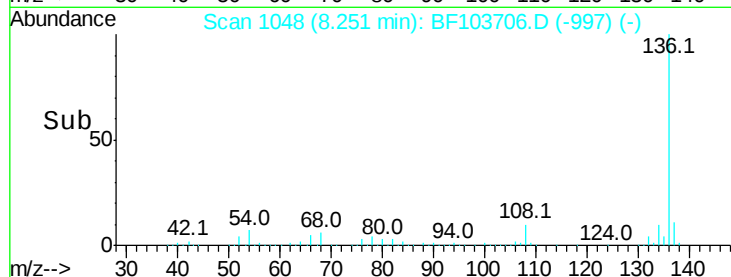
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	673677
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	6.4	5.0	7.4

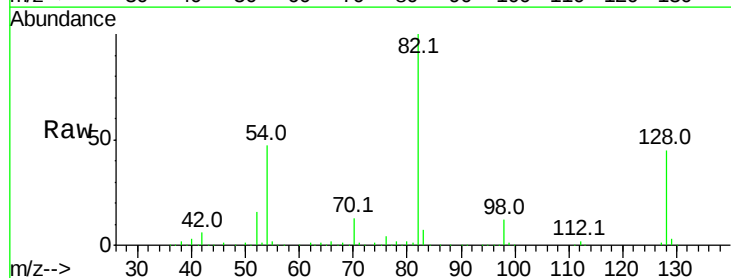


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

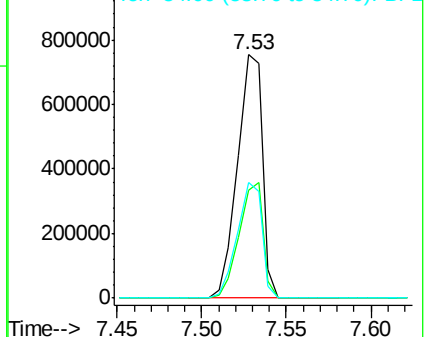
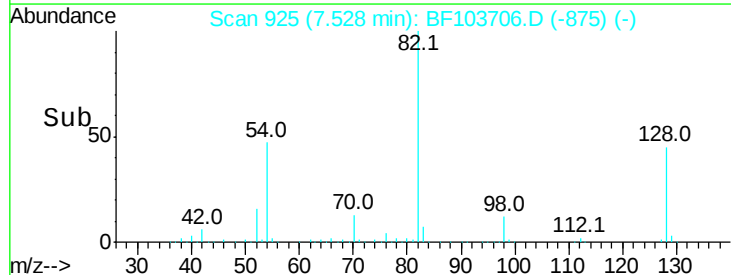


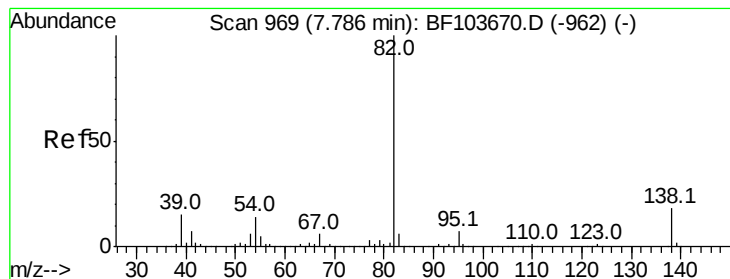
#23
Nitrobenzene-d5
Concen: 80.448 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

Tgt Ion:	82	Resp:	777164
Ion	Ratio	Lower	Upper
82	100		
128	44.5	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: 34.751 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

Instrument :

BNA_F

ClientSampled :

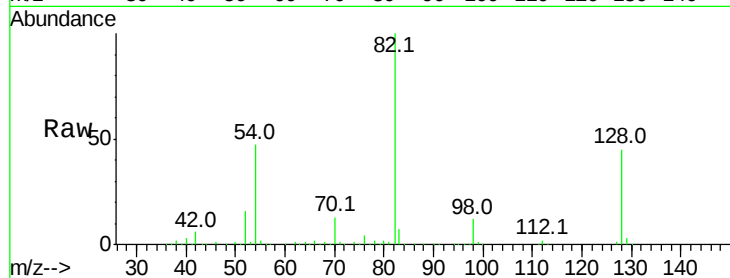
Tot Ion: 82 Resp: 777143

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

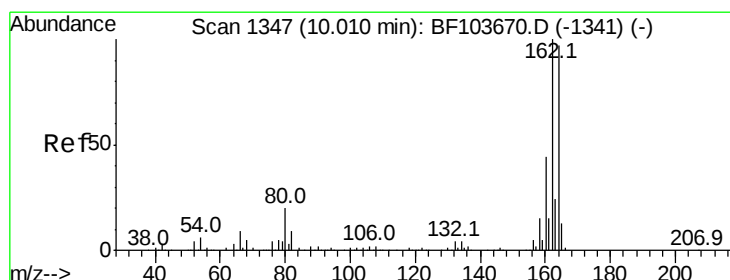
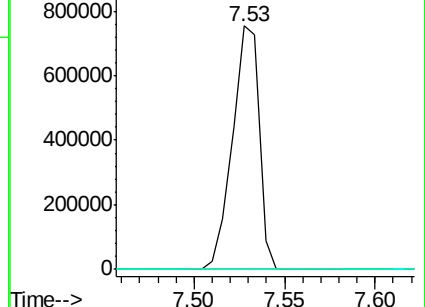
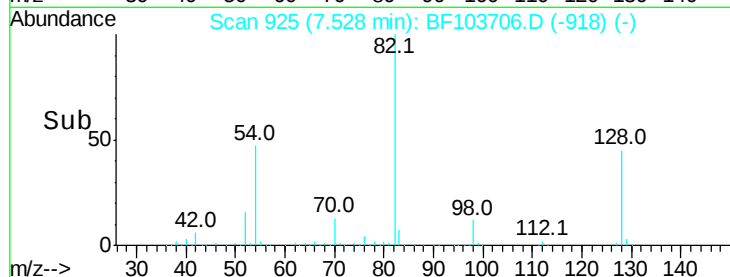
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

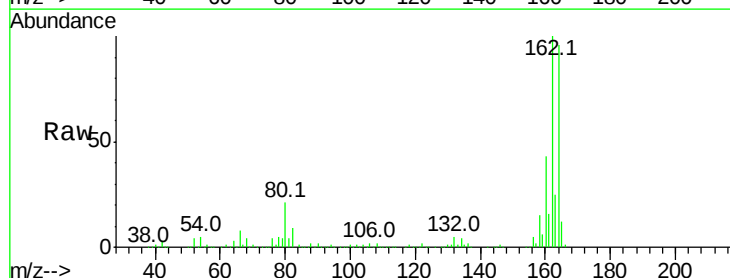
Tgt Ion:164 Resp: 300449

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

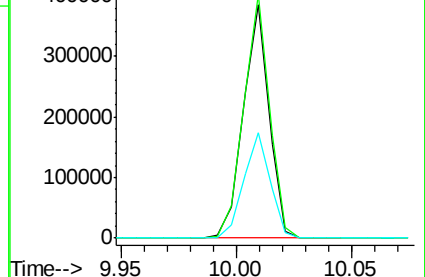
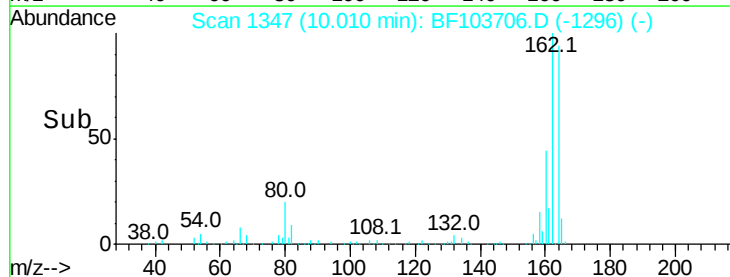
160 45.2 38.3 57.5

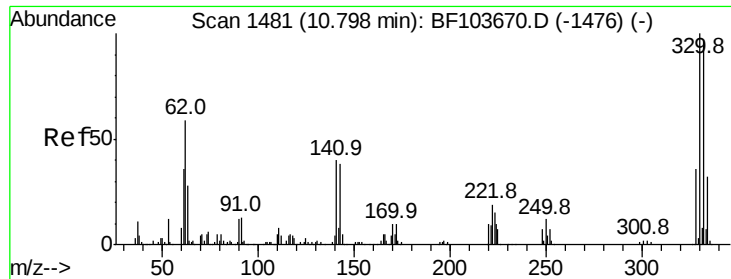


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

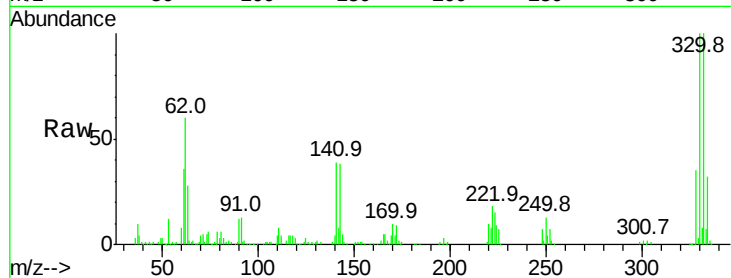




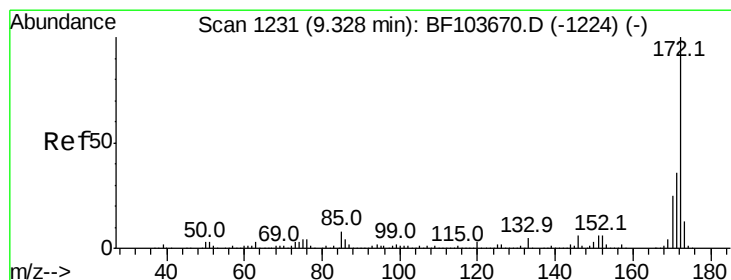
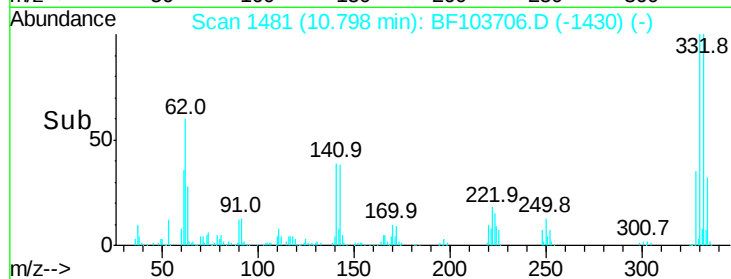
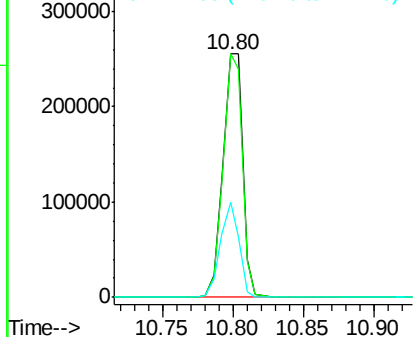
#41
 2,4,6-Tribromophenol
 Concen: 96.486 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103706.D
 Acq: 16 Mar 2018 19:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	37.1	29.9	44.9

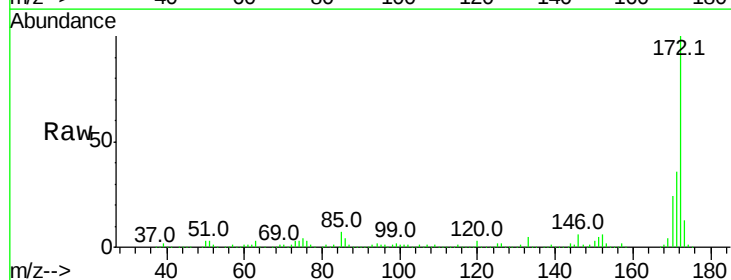


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

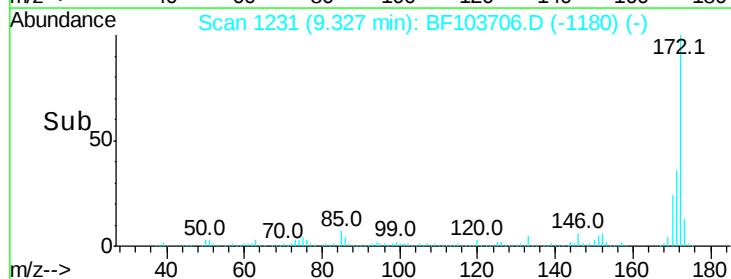
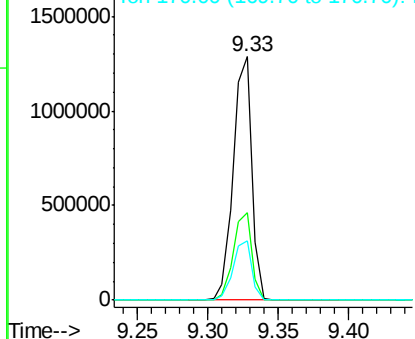


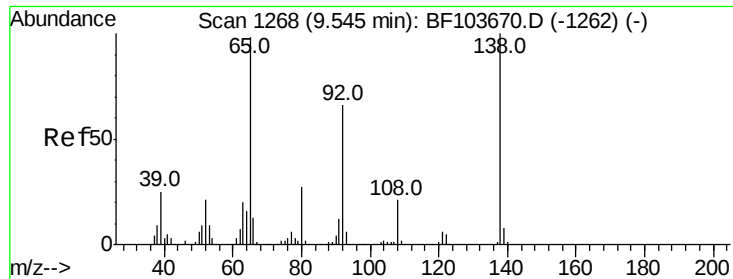
#44
 2-Fluorobiphenyl
 Concen: 62.457 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103706.D
 Acq: 16 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.1	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

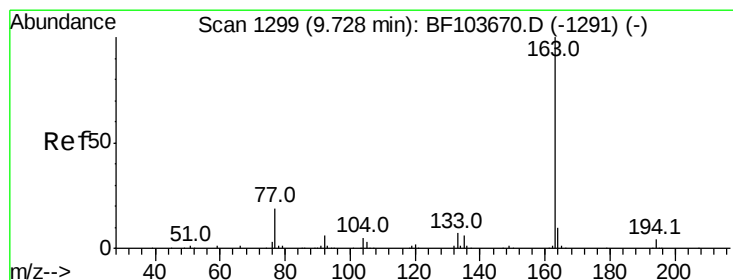
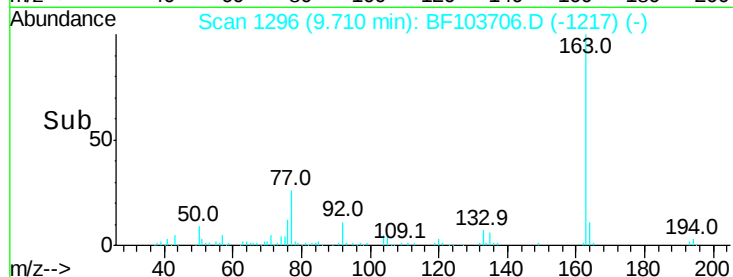
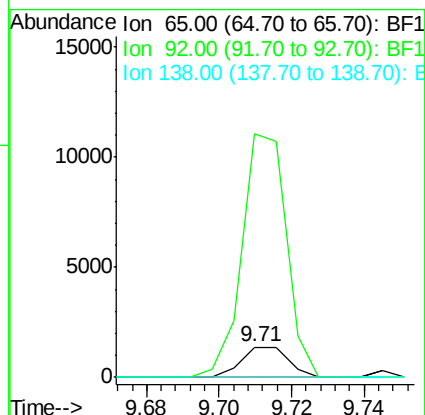
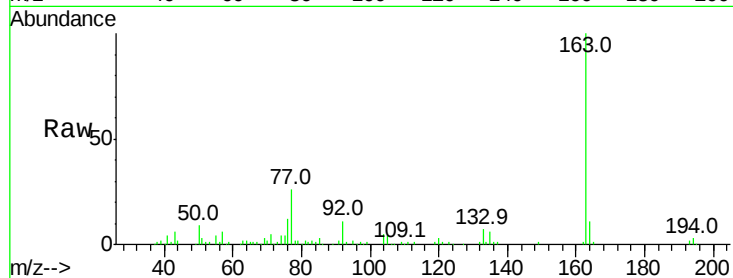




#47
2-Nitroaniline
Concen: 7.019 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.16 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

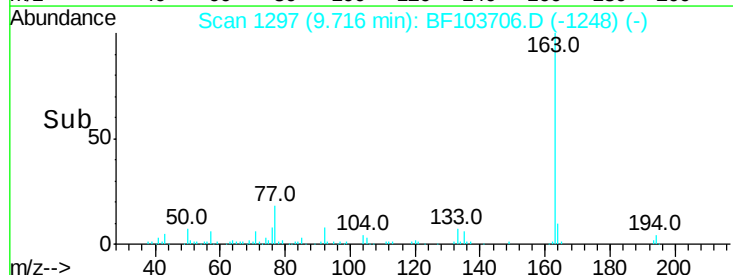
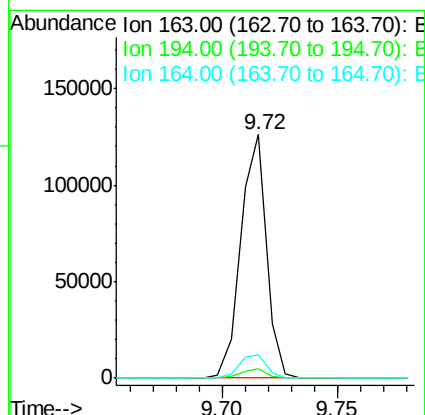
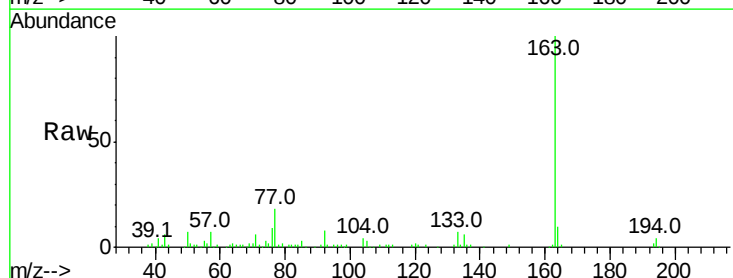
Instrument :
BNA_F
ClientSampled :

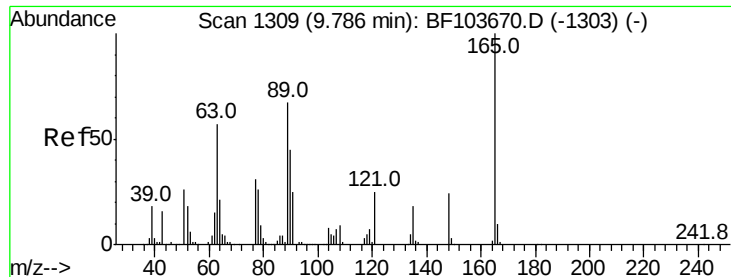
Tot Ion: 65 Resp: 1240
Ion Ratio Lower Upper
65 100
92 814.3 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 4.287 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

Tgt Ion:163 Resp: 98268
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.8 8.2 12.2

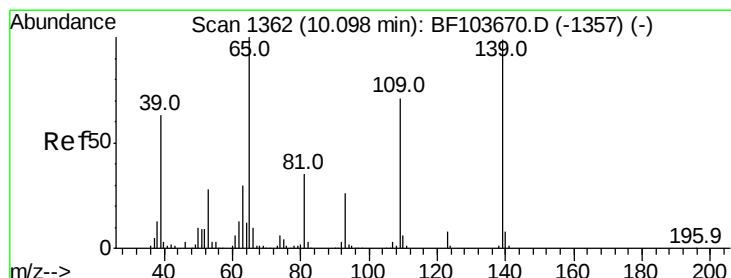
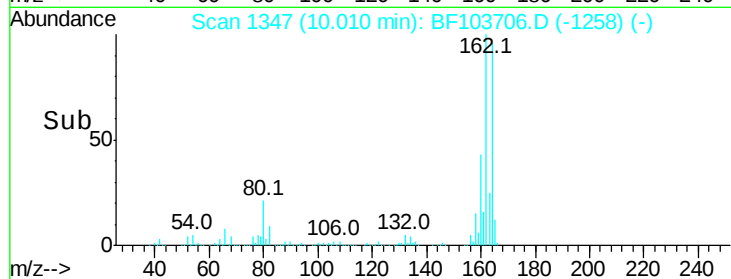
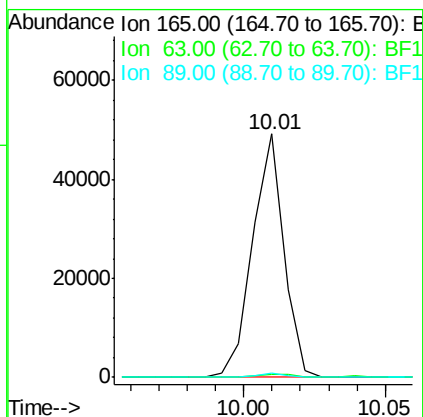
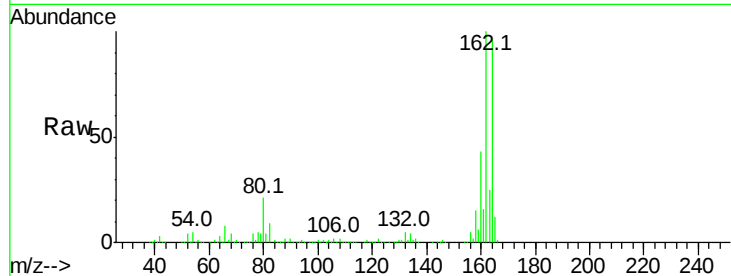




#50
 2,6-Dinitrotoluene
 Concen: 11.807 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103706.D
 Acq: 16 Mar 2018 19:46

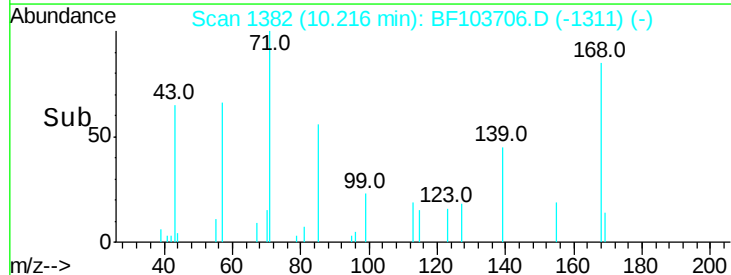
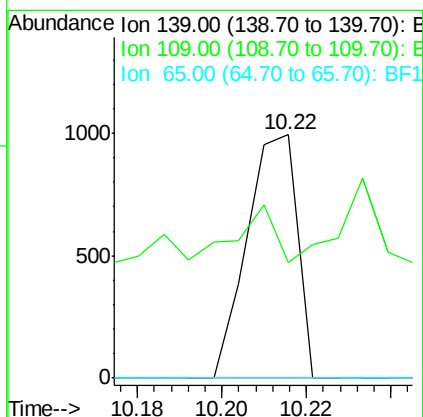
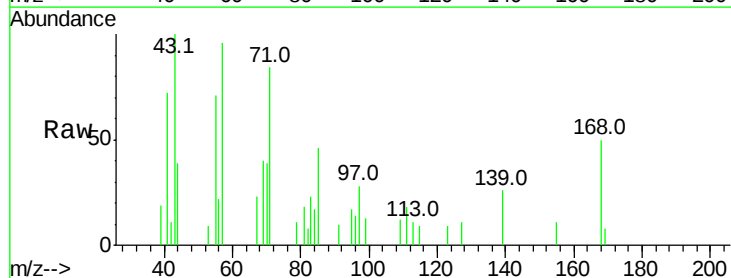
Instrument :
 BNA_F
 ClientSampleId :

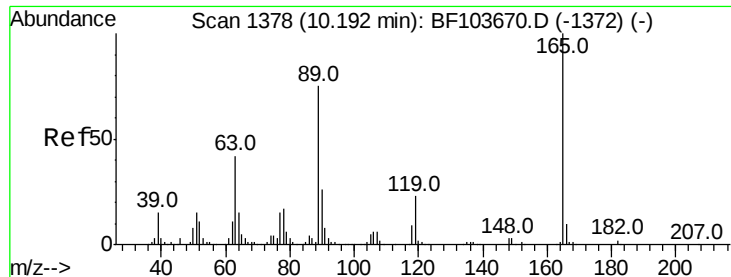
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.5	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 5.154 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.12 min
 Lab File: BF103706.D
 Acq: 16 Mar 2018 19:46

Tgt Ion	Ratio	Lower	Upper
139	100		
109	47.3	48.4	88.4#
65	0.0	72.6	112.6#

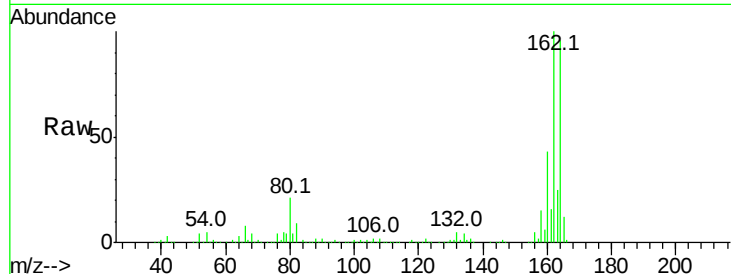




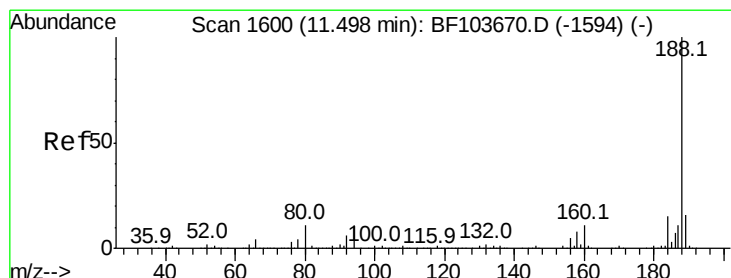
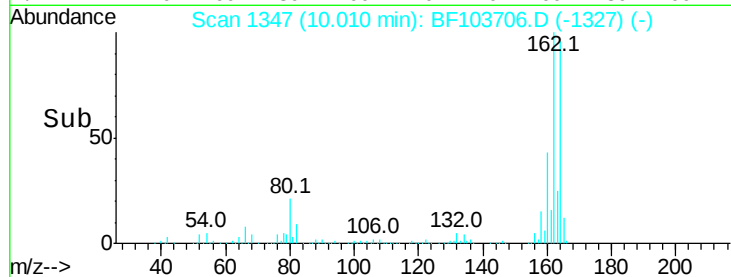
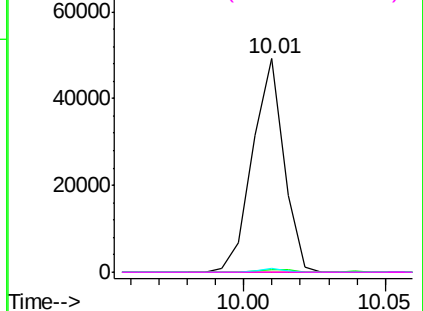
#56
 2,4-Dinitrotoluene
 Concen: 12.076 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.18 min
 Lab File: BF103706.D
 Acq: 16 Mar 2018 19:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 37831
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#



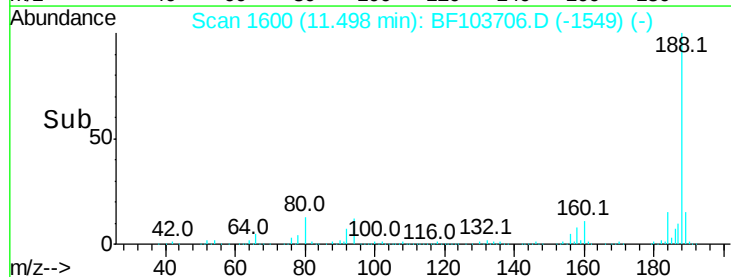
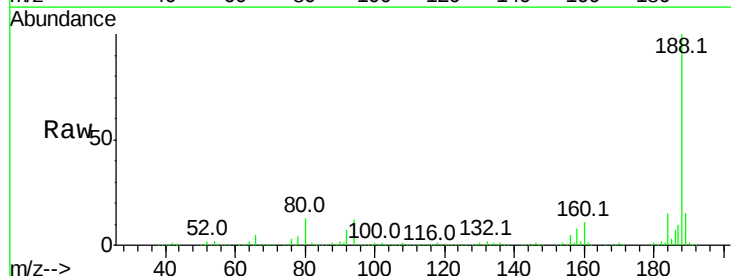
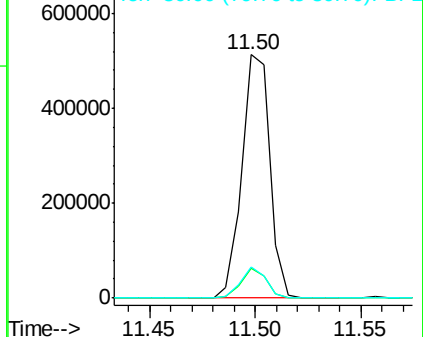
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

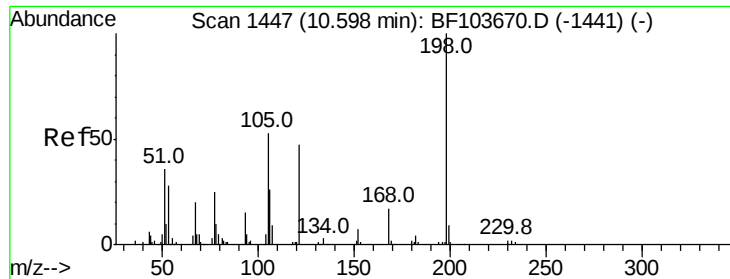


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF103706.D
 Acq: 16 Mar 2018 19:46

Tgt Ion:188 Resp: 469602
 Ion Ratio Lower Upper
 188 100
 94 12.3 8.5 12.7
 80 12.6 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: 8.418 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.20 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

Instrument :

BNA_F

ClientSampleId :

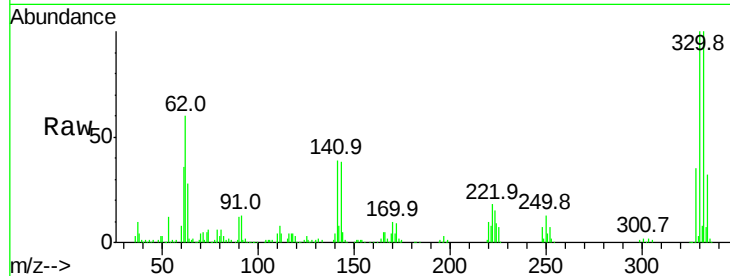
Tot Ion:198 Resp: 472

Ion Ratio Lower Upper

198 100

51 140.9 37.7 77.7#

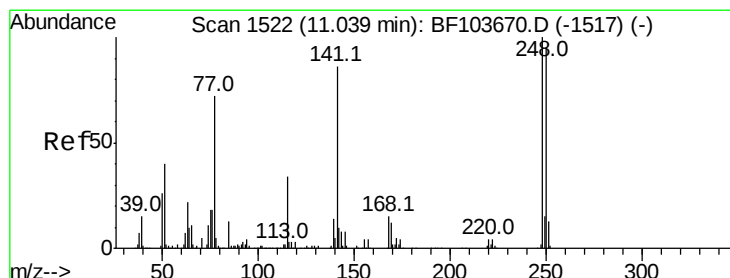
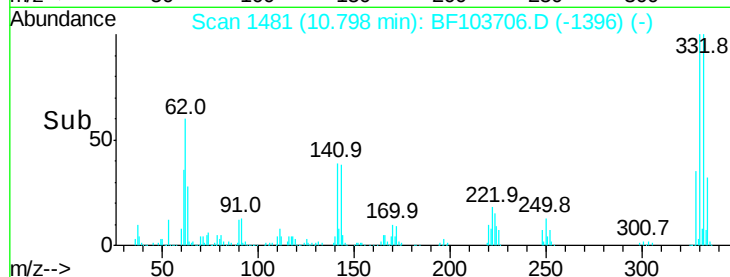
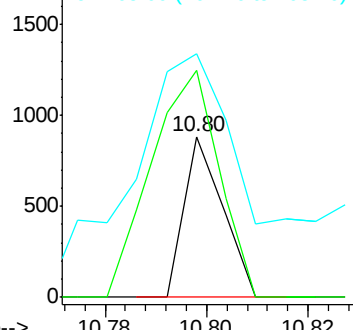
105 151.2 36.3 76.3#



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: 3.216 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.24 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

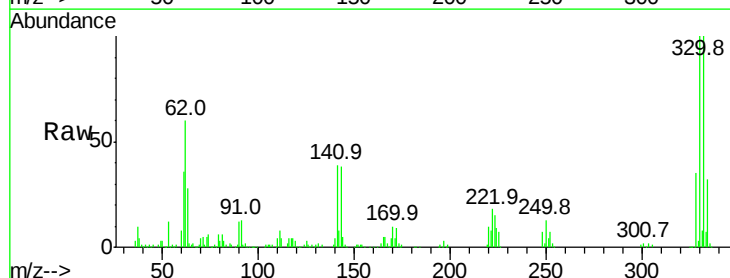
Tgt Ion:248 Resp: 15504

Ion Ratio Lower Upper

248 100

250 195.2 76.9 115.3#

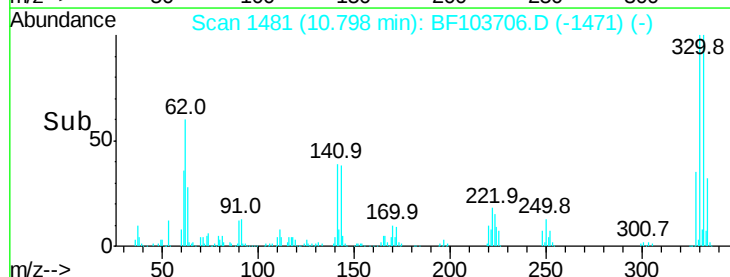
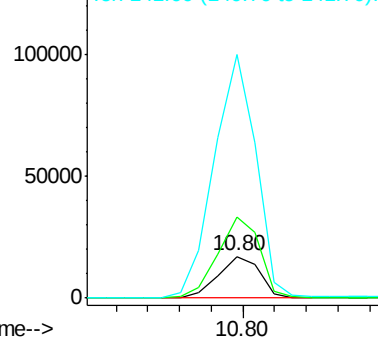
141 588.7 74.4 111.6#

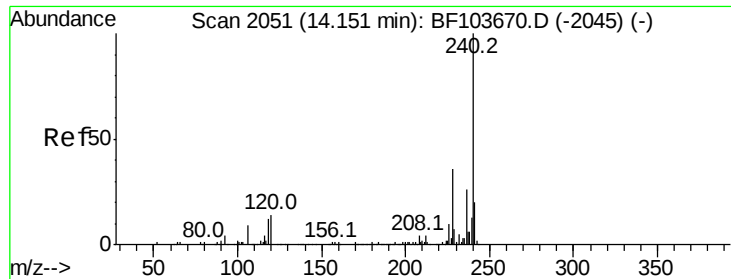


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2051

Delta R.T. -0.00 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

Instrument :

BNA_F

ClientSampleId :

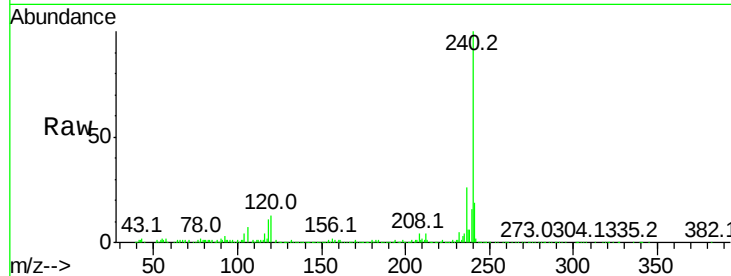
Tot Ion:240 Resp: 309731

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

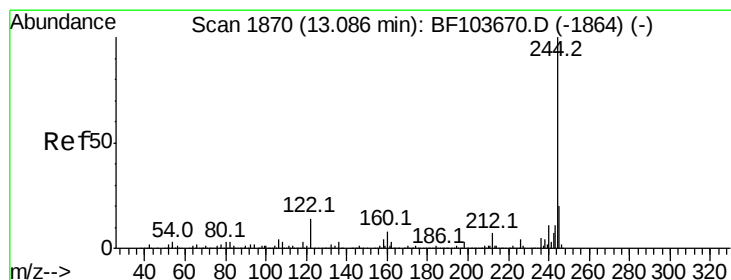
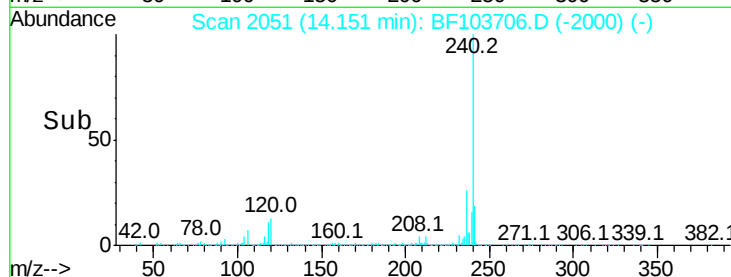
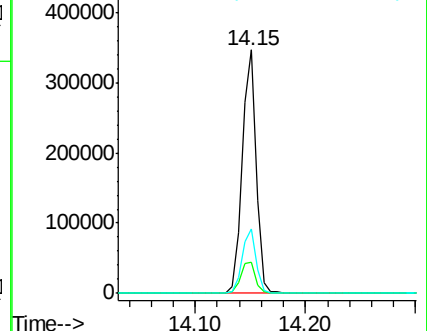
236 26.2 20.7 31.1



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: 62.865 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BF103706.D

Acq: 16 Mar 2018 19:46

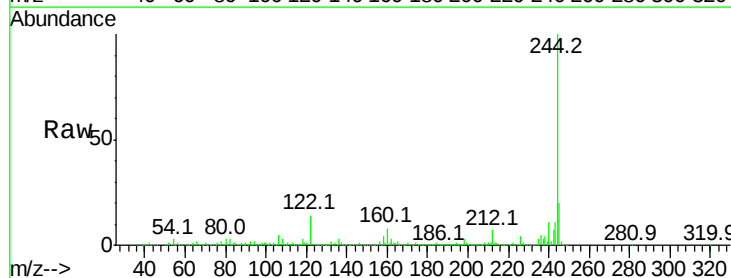
Tgt Ion:244 Resp: 838866

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

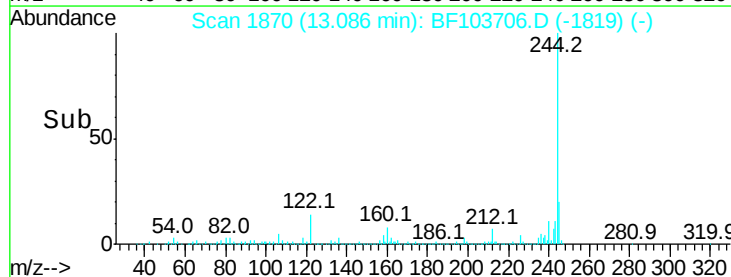
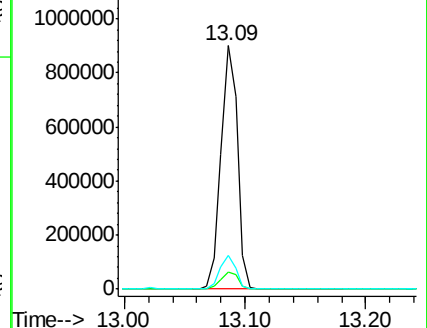
122 13.9 11.0 16.4

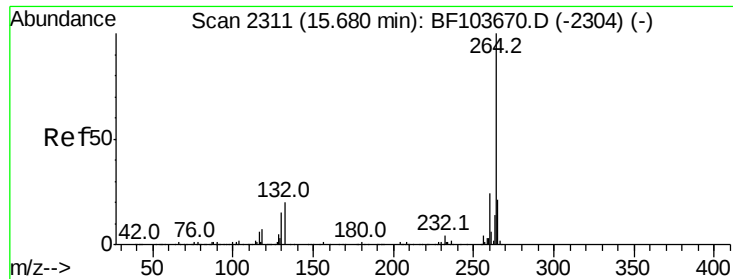


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

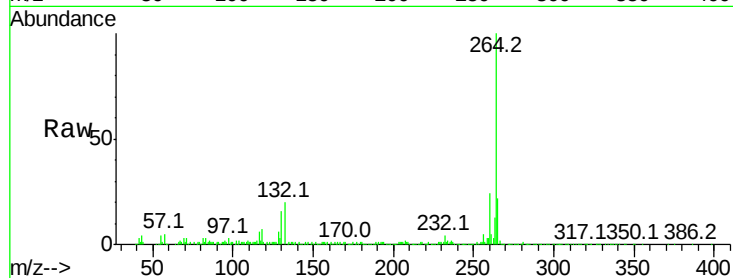




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. 0.01 min
Lab File: BF103706.D
Acq: 16 Mar 2018 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.1	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

