

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104083.D
 Acq On : 30 Mar 2018 6:36
 Operator : JU/SJ
 Sample : PB107808BL
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 07:33:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

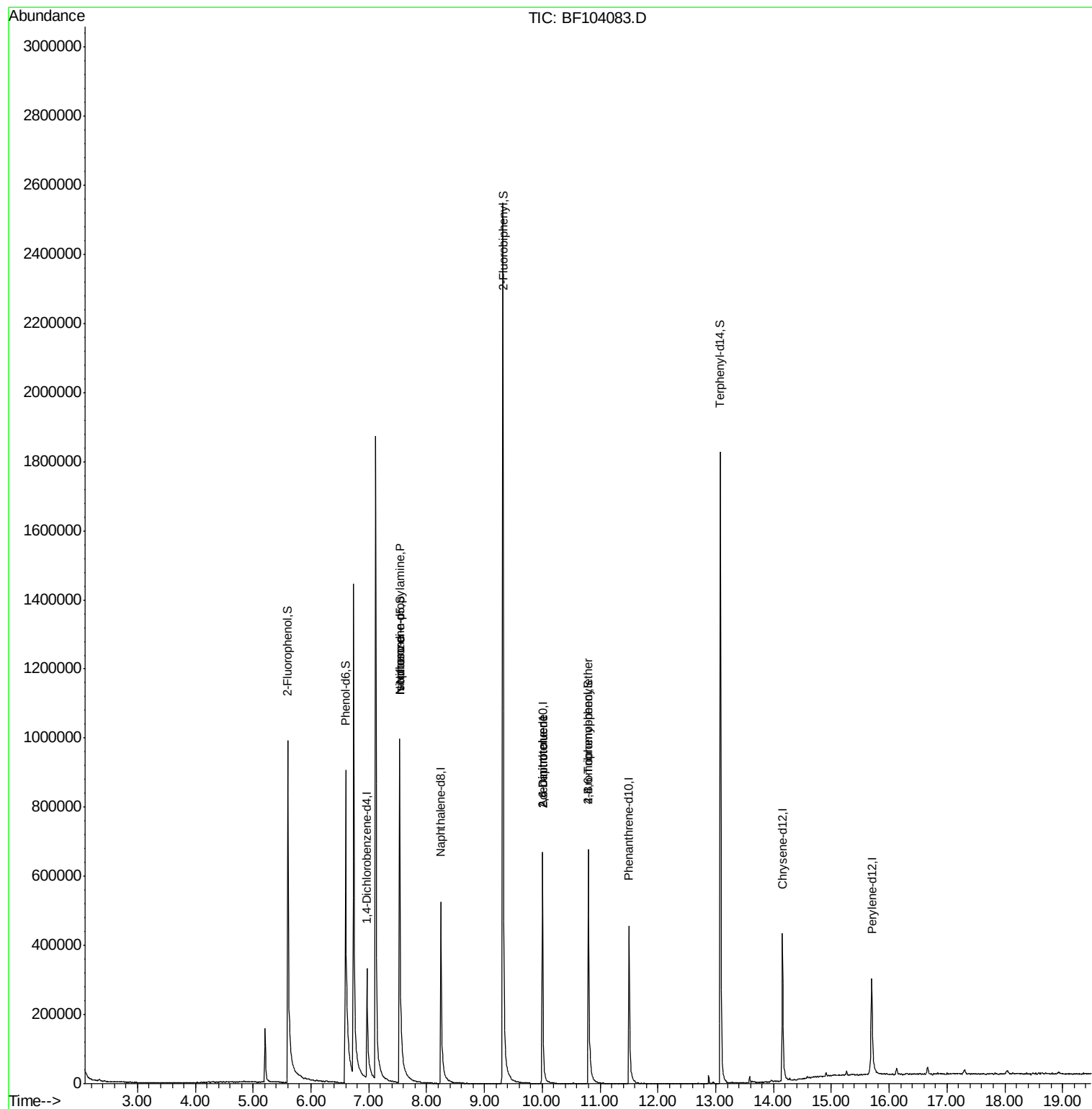
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	104309	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	436880	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	185081	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	292439	20.00	ng	0.00
75) Chrysene-d12	14.16	240	225078	20.00	ng	0.00
86) Perylene-d12	15.70	264	198608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	541785	82.83	ng	0.00
7) Phenol-d6	6.60	99	724793	90.07	ng	0.00
23) Nitrobenzene-d5	7.53	82	621393	86.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	141232	68.53	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1193084	101.65	ng	0.00
78) Terphenyl-d14	13.08	244	817957	83.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	75167	15.740	ng	# 70
25) Isophorone	7.53	82	621393	47.199	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	23380	7.437	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	23523	5.864	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	8122	2.596	ng	# 1

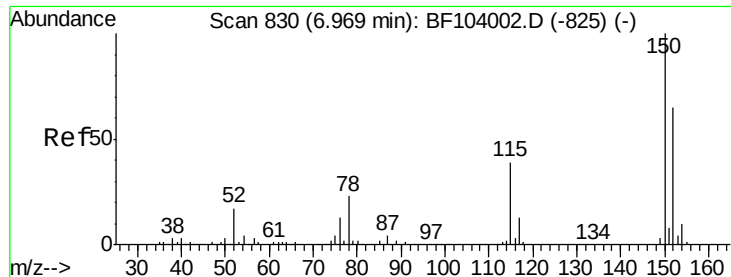
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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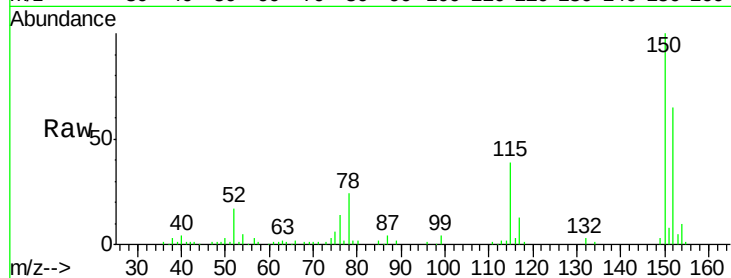


#1

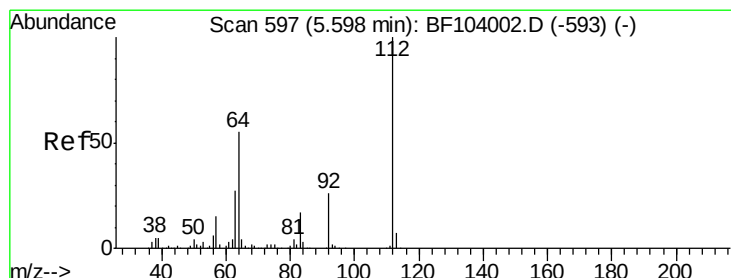
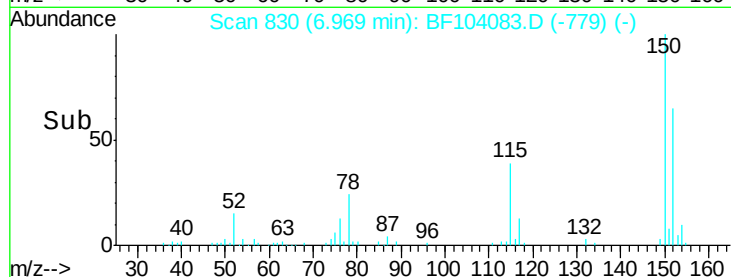
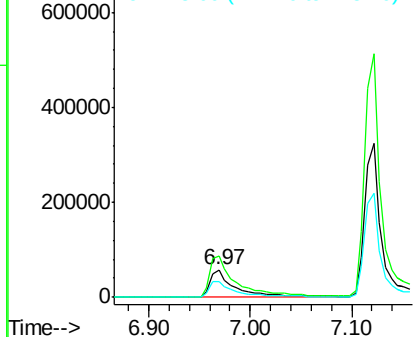
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 104309
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 59.9 50.1 75.1



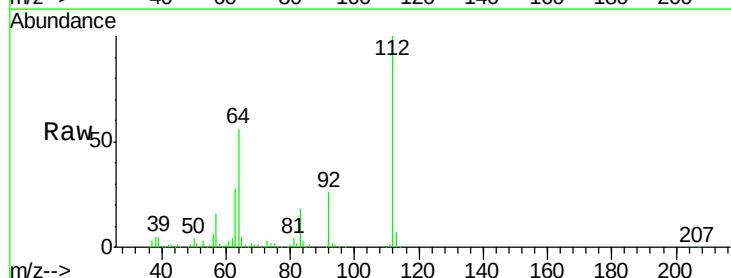
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



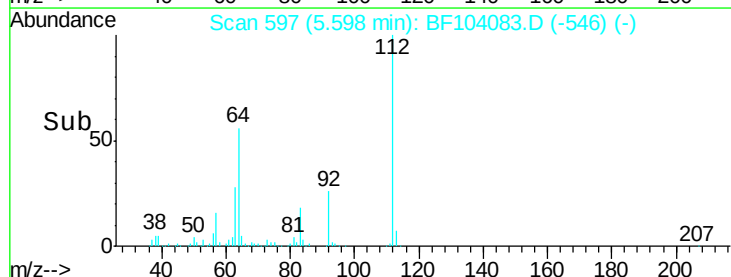
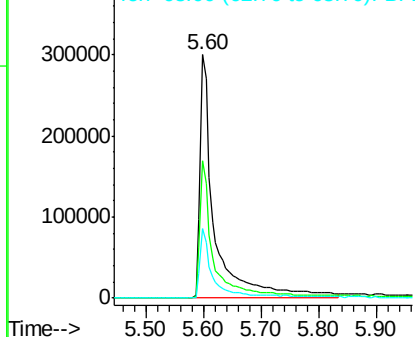
#5

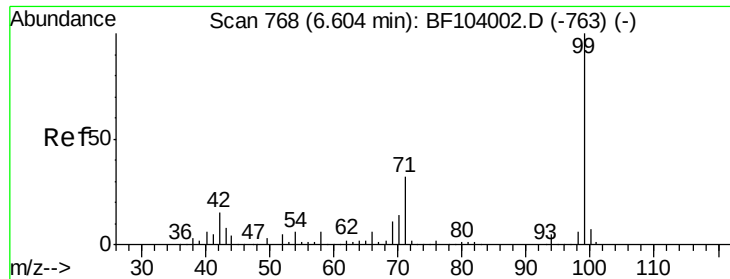
2-Fluorophenol
Concen: 82.832 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

Tgt Ion:112 Resp: 541785
Ion Ratio Lower Upper
112 100
64 56.2 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: 90.068 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104083.D

Acq: 30 Mar 2018 6:36

Instrument :

BNA_F

ClientSampleId :

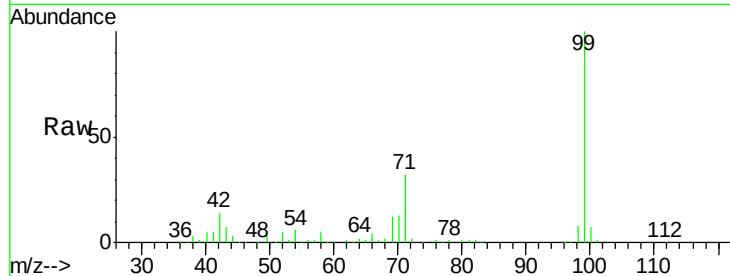
Tot Ion: 99 Resp: 724793

Ion Ratio Lower Upper

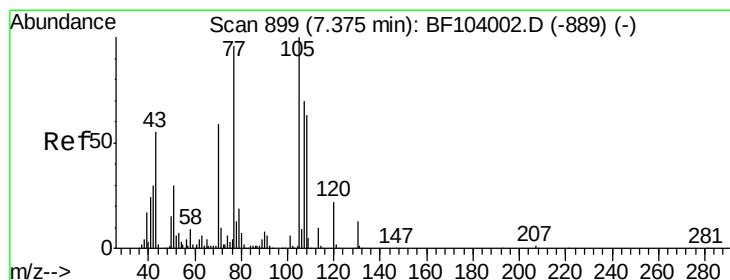
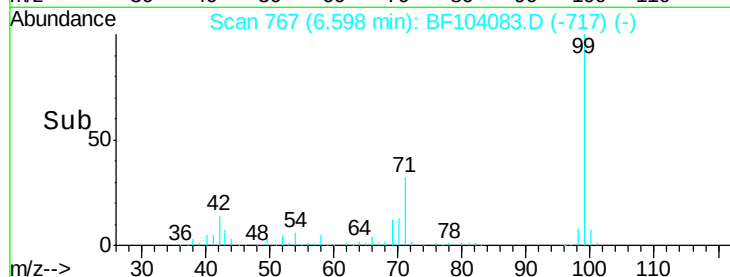
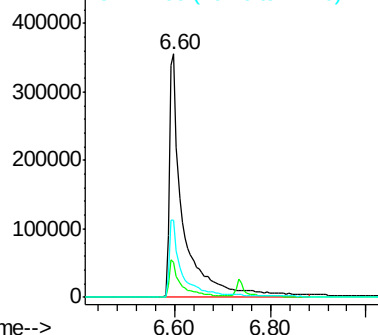
99 100

42 14.5 14.5 21.7

71 31.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.740 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF104083.D

Acq: 30 Mar 2018 6:36

Tgt Ion: 70 Resp: 75167

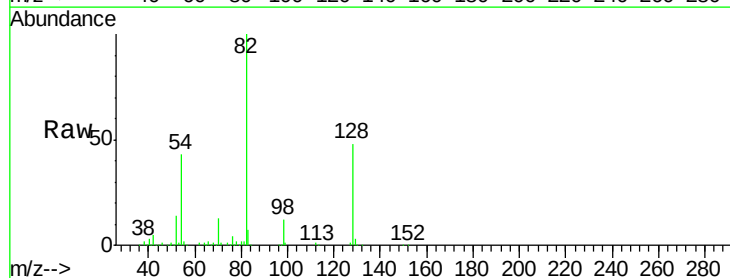
Ion Ratio Lower Upper

70 100

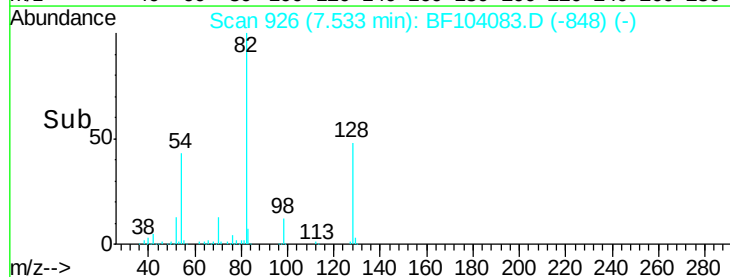
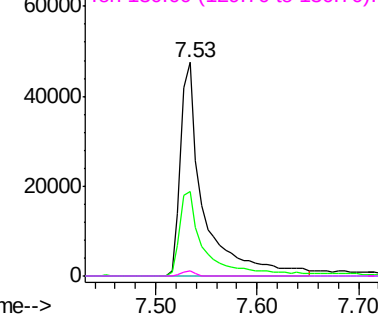
42 39.3 47.5 71.3#

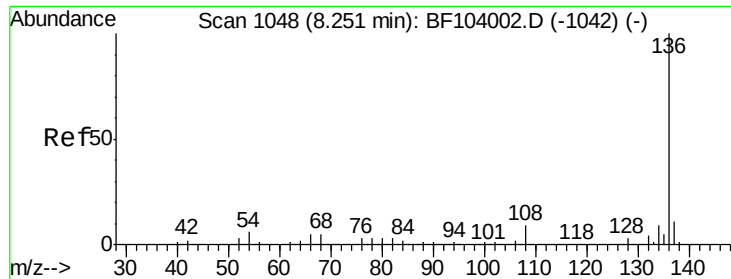
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104083.D

Acq: 30 Mar 2018 6:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 436880

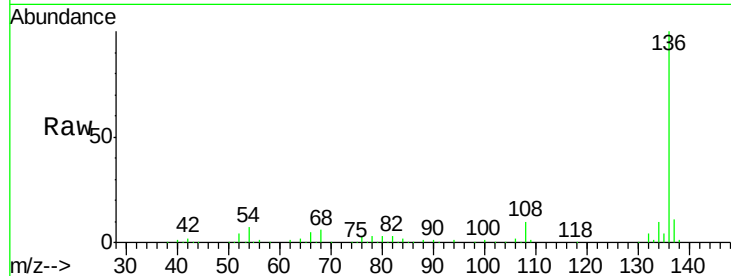
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.3 6.6 9.8

68 6.1 5.0 7.4

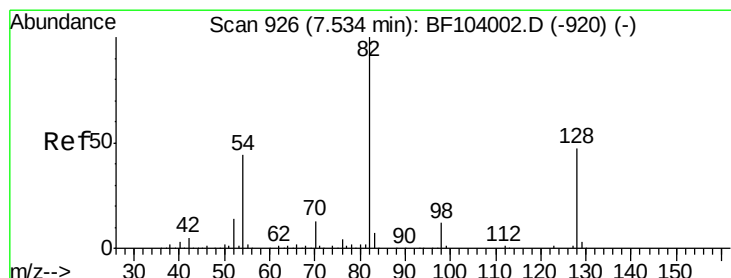
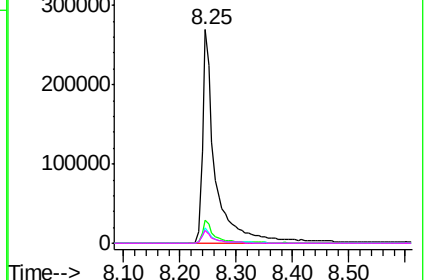
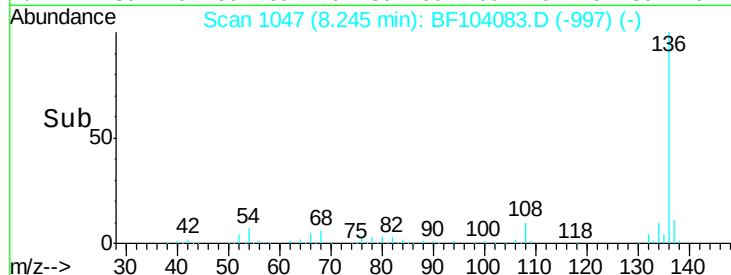


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.984 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF104083.D

Acq: 30 Mar 2018 6:36

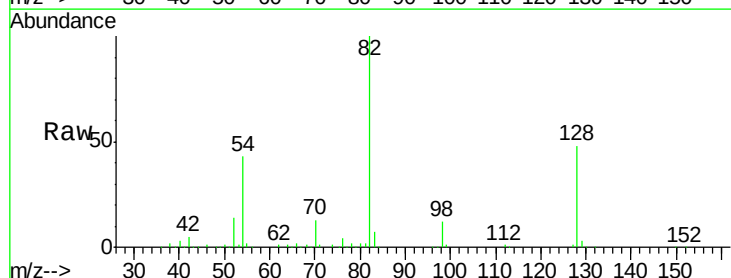
Tgt Ion: 82 Resp: 621393

Ion Ratio Lower Upper

82 100

128 48.3 36.1 54.1

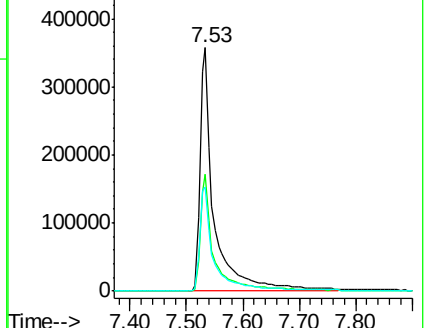
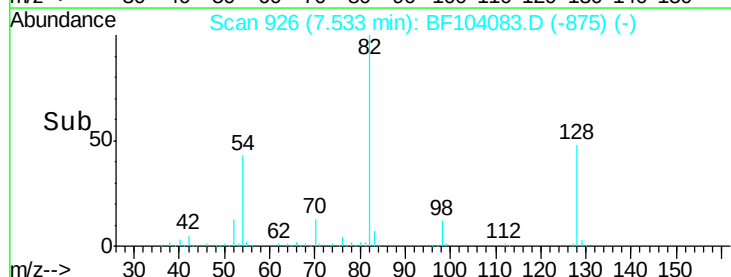
54 42.8 41.4 62.2

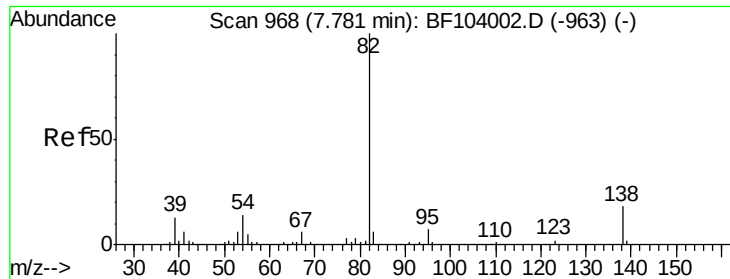


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

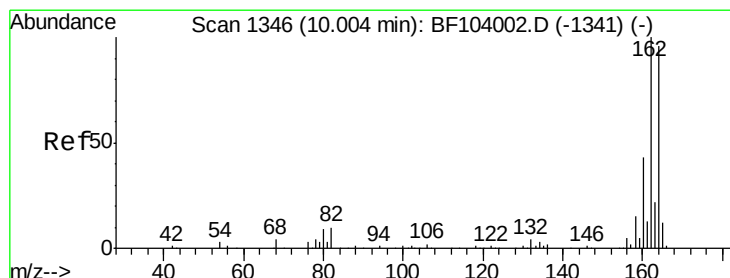
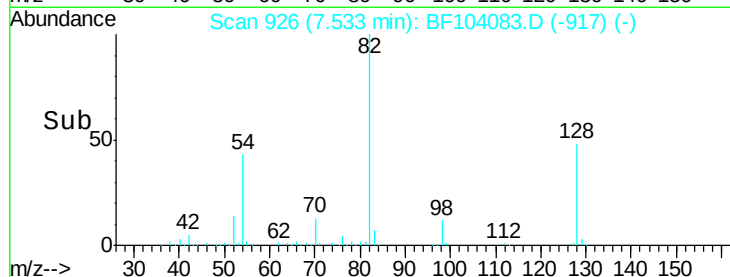
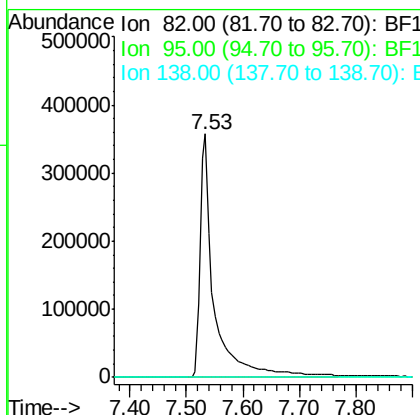
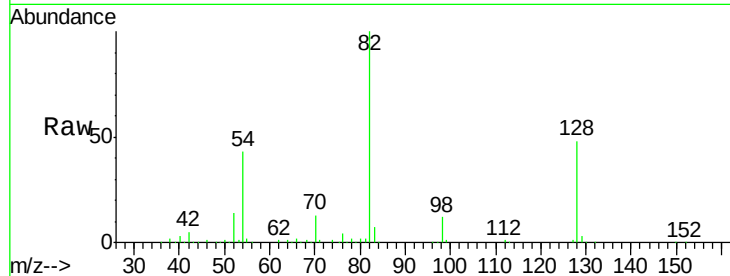




#25
Isophorone
Concen: 47.199 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

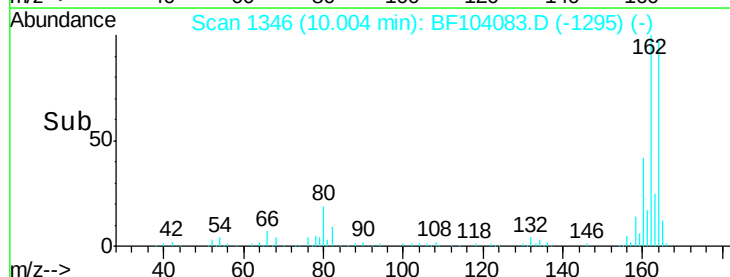
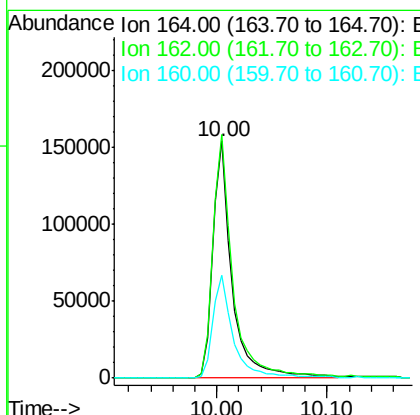
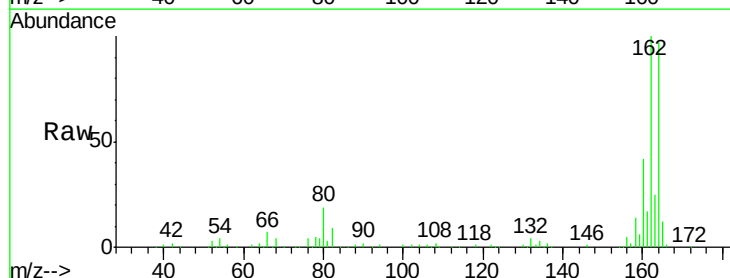
Instrument :
BNA_F
ClientSampled :

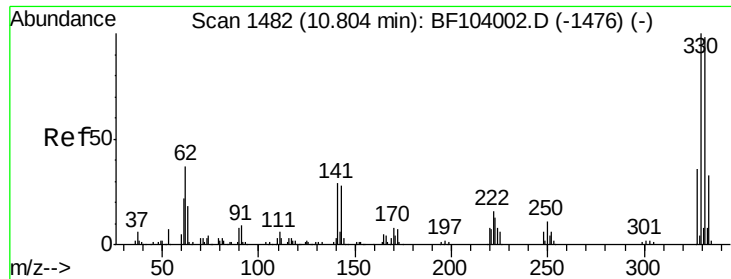
Tot Ion: 82 Resp: 621393
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

Tgt Ion:164 Resp: 185081
Ion Ratio Lower Upper
164 100
162 102.7 86.1 129.1
160 43.3 38.3 57.5

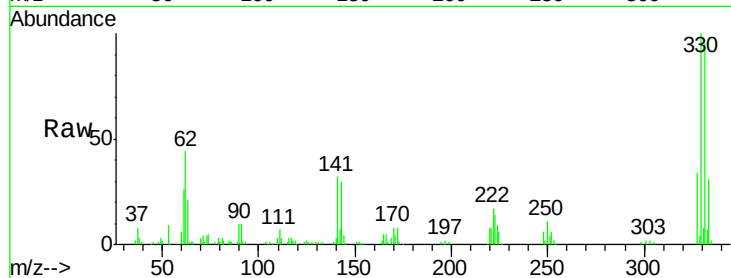




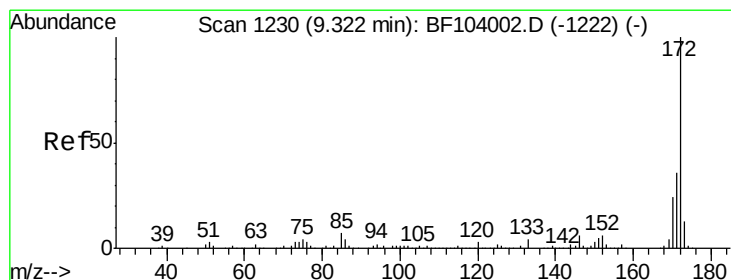
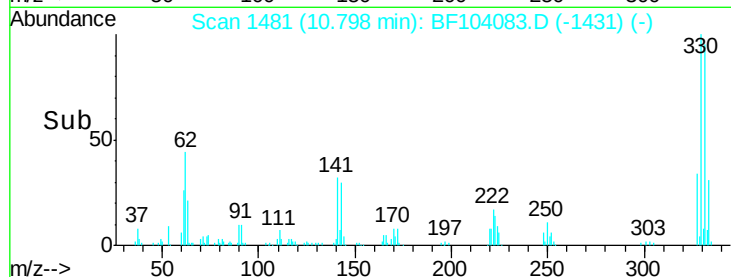
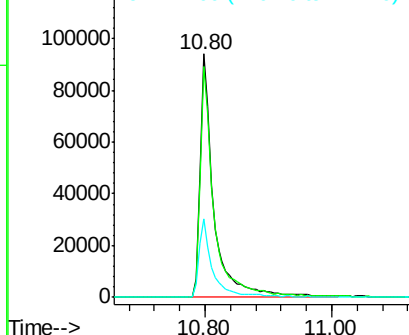
#41
 2,4,6-Tribromophenol
 Concen: 68.530 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104083.D
 Acq: 30 Mar 2018 6:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 141232
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 31.1 29.9 44.9

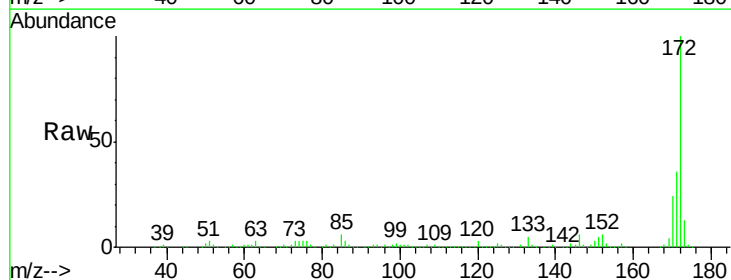


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

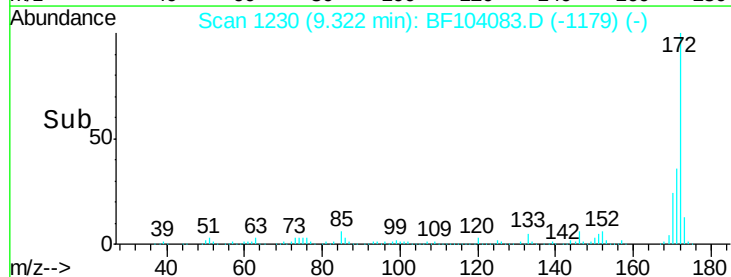
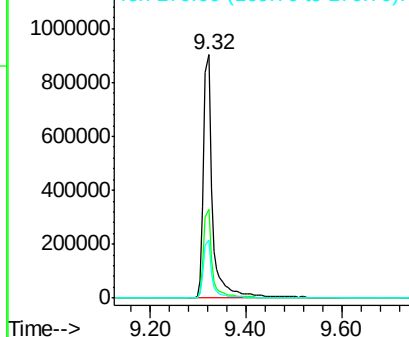


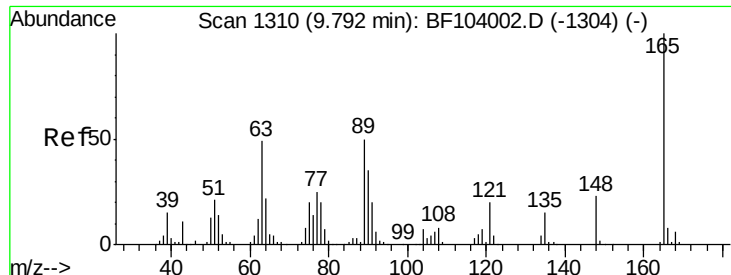
#44
 2-Fluorobiphenyl
 Concen: 101.652 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: BF104083.D
 Acq: 30 Mar 2018 6:36

Tgt Ion:172 Resp: 1193084
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.7 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

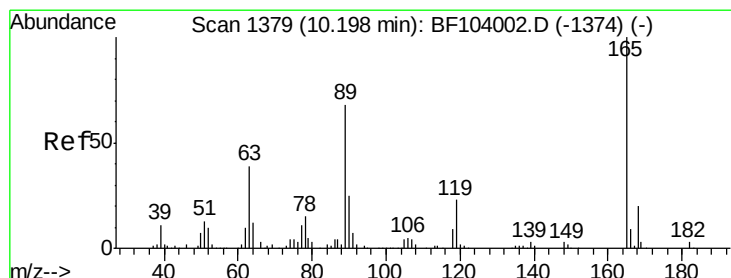
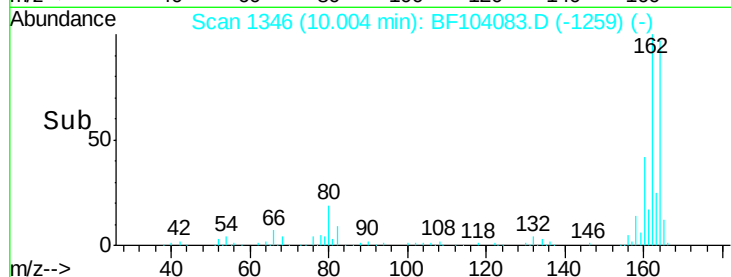
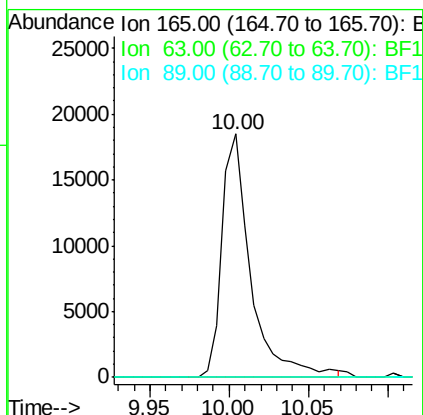
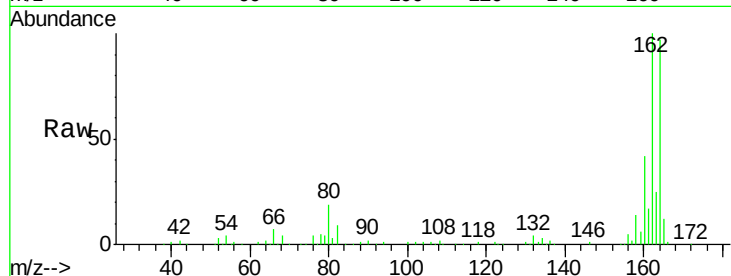




#50
2,6-Dinitrotoluene
Concen: 7.437 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

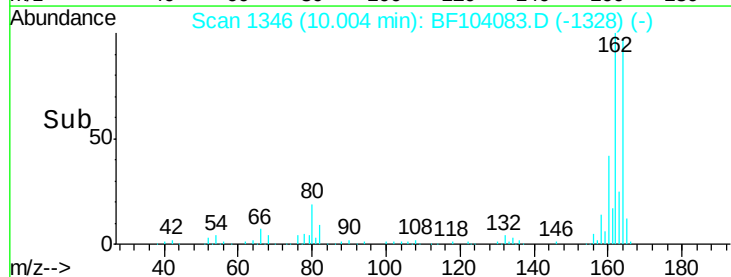
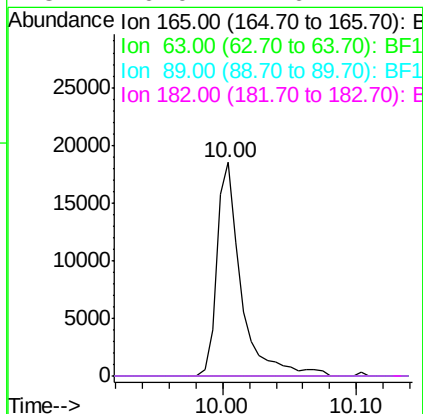
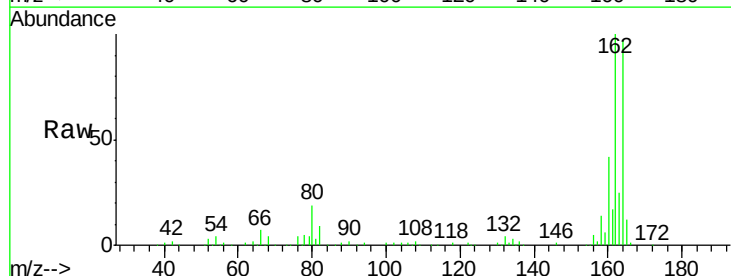
Instrument :
BNA_F
ClientSampleId :

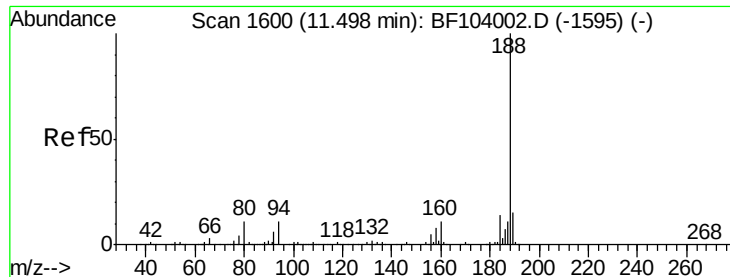
Tot Ion:165 Resp: 23380
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 5.864 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

Tgt Ion:165 Resp: 23523
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#

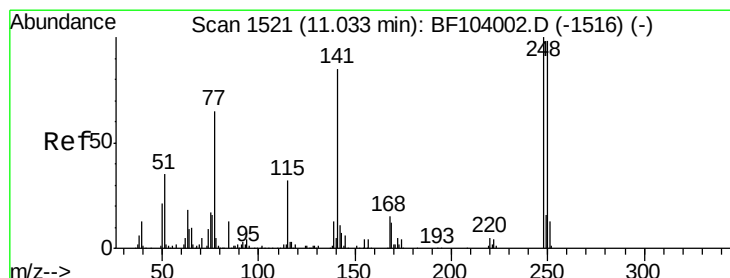
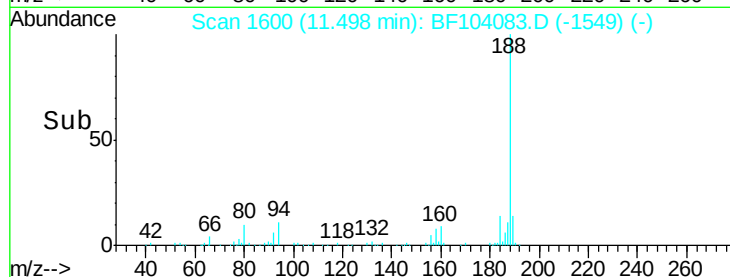
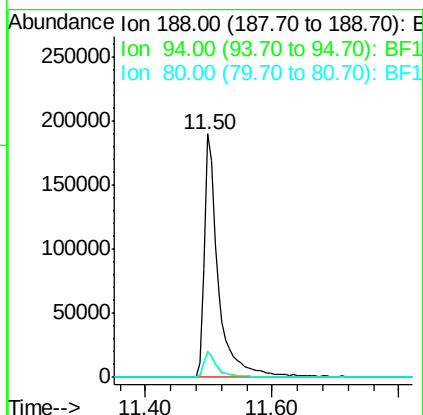
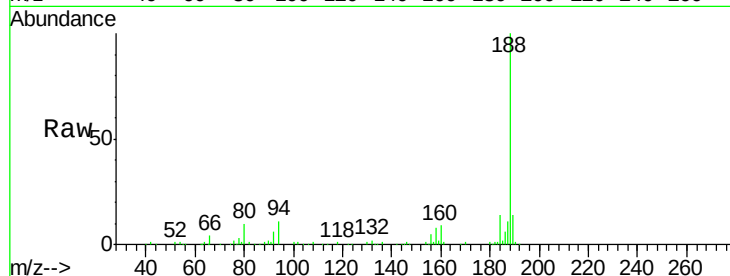




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

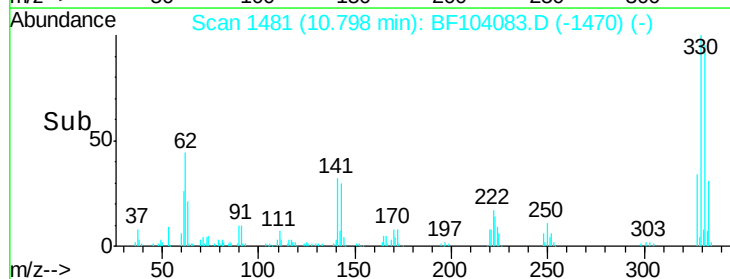
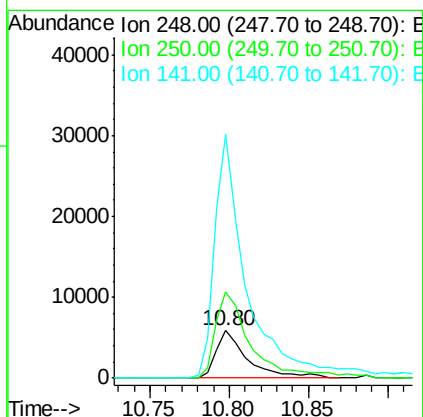
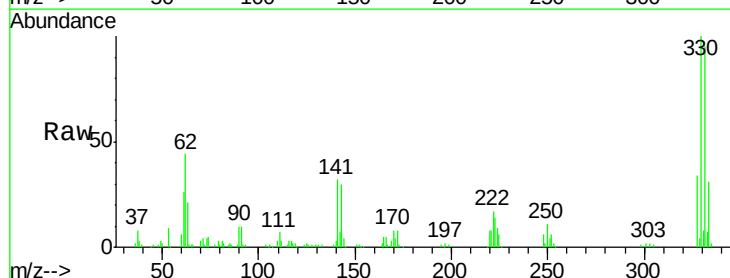
Instrument :
BNA_F
ClientSampleId :

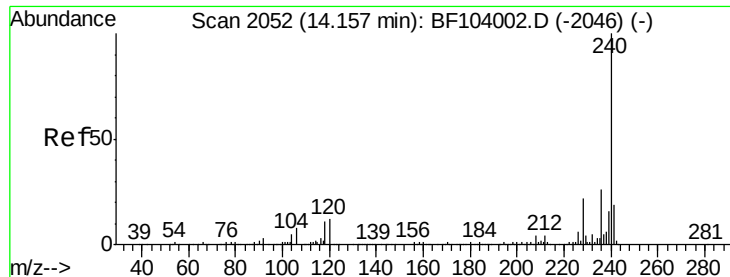
Tot Ion:188 Resp: 292439
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 10.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.596 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

Tgt Ion:248 Resp: 8122
Ion Ratio Lower Upper
248 100
250 182.6 76.9 115.3#
141 513.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104083.D

Acq: 30 Mar 2018 6:36

Instrument :

BNA_F

ClientSampleId :

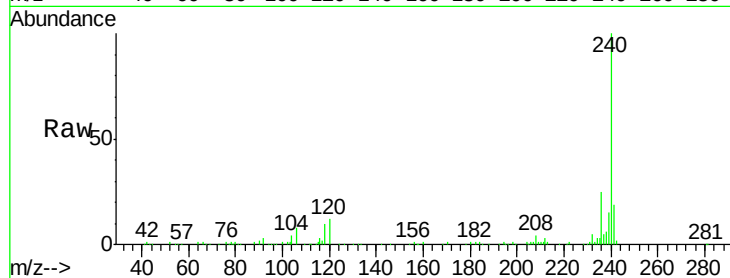
Tot Ion:240 Resp: 225078

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

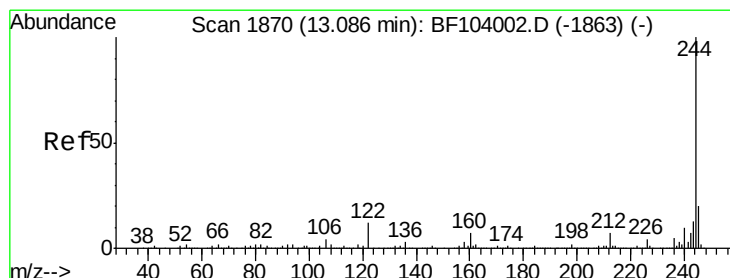
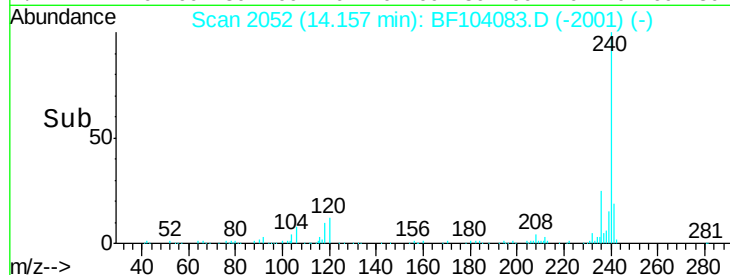
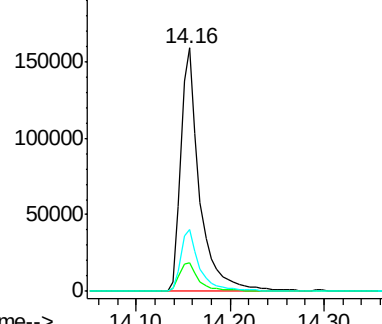
236 25.3 20.7 31.1



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: 83.910 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104083.D

Acq: 30 Mar 2018 6:36

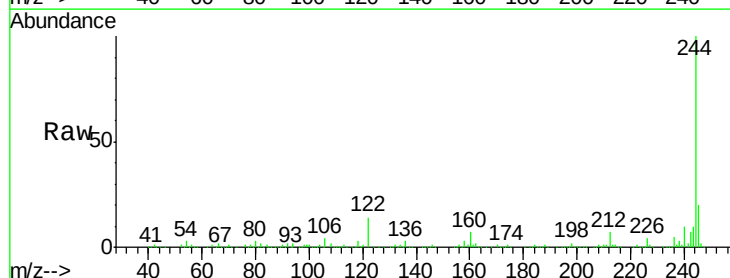
Tgt Ion:244 Resp: 817957

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

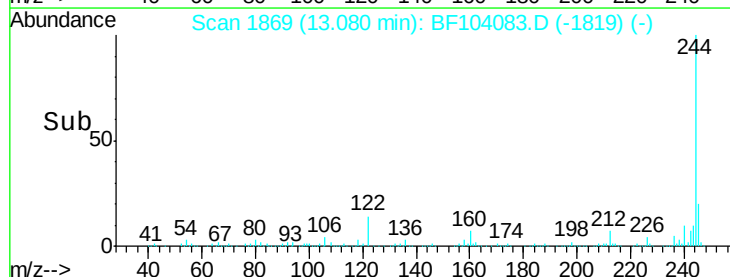
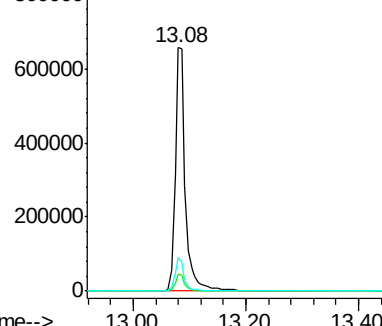
122 13.6 11.0 16.4

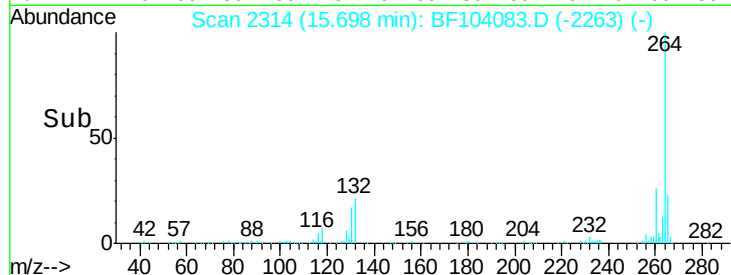
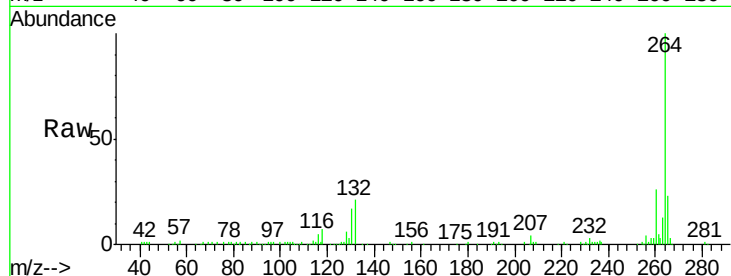
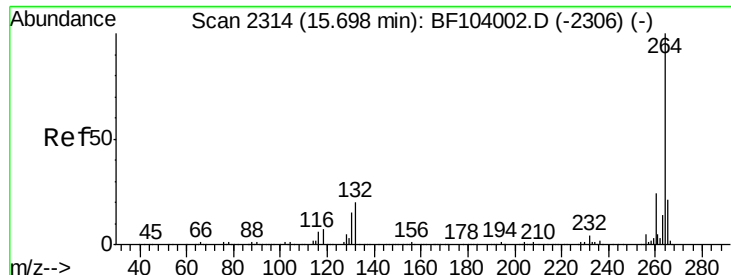


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104083.D
Acq: 30 Mar 2018 6:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	198608
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.2	28.8
265	23.4	17.5	26.3

