

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104875.D
 Acq On : 27 Apr 2018 10:58
 Operator : JU/SJ
 Sample : J2515-06
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 14:14:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

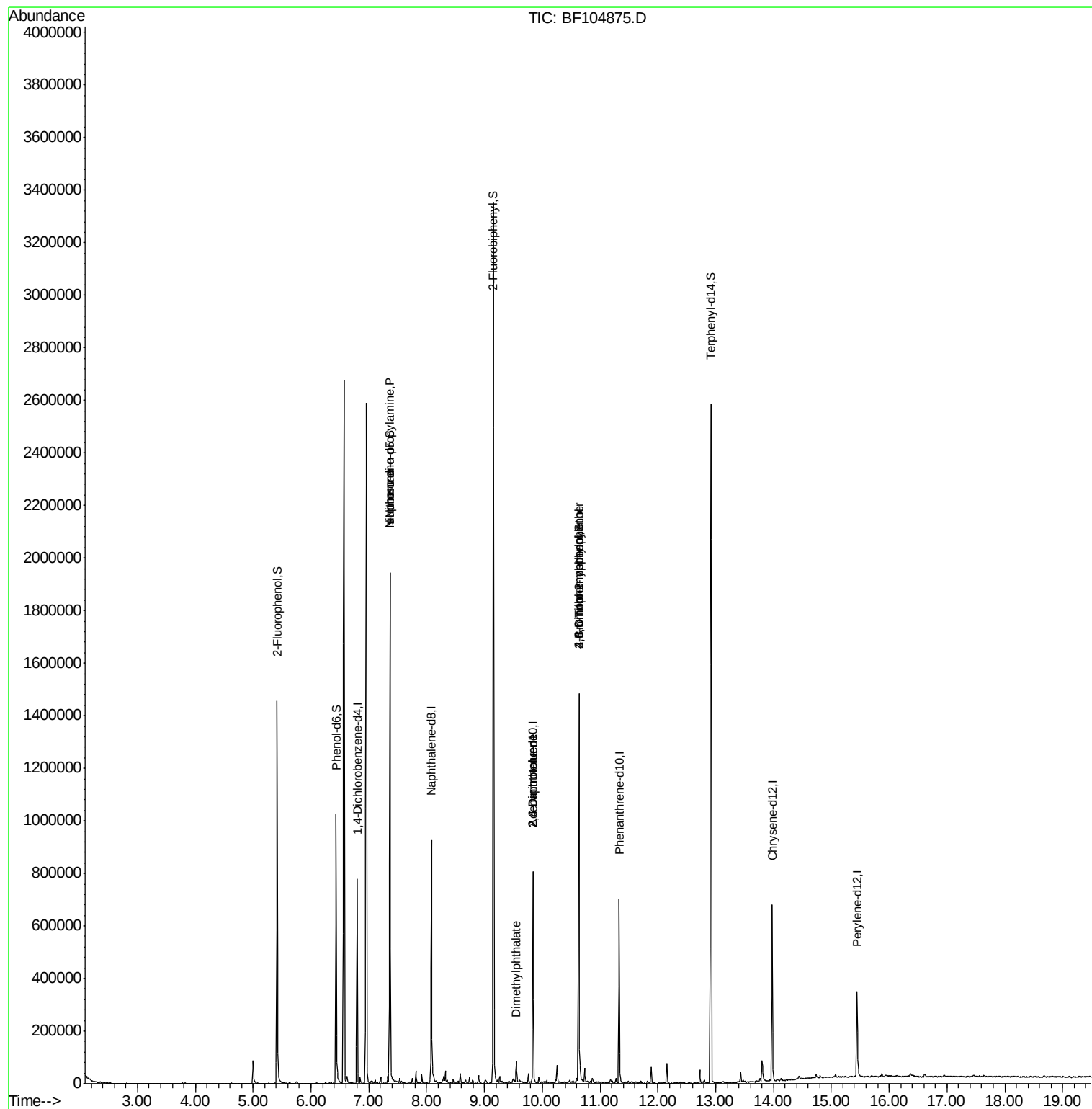
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115450	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	439133	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	165993	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	251984	20.00	ng	0.00
75) Chrysene-d12	13.97	240	238321	20.00	ng	-0.01
86) Perylene-d12	15.44	264	159676	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	477623	63.26	ng	0.00
7) Phenol-d6	6.43	99	360568	38.87	ng	-0.01
23) Nitrobenzene-d5	7.37	82	667875	99.31	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	199580	115.91	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1096438	104.35	ng	0.00
78) Terphenyl-d14	12.92	244	909537	87.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	87312	14.403	ng	# 72
25) Isophorone	7.37	82	667866	46.963	ng	# 64
49) Dimethylphthalate	9.55	163	31458	2.403	ng	# 98
50) 2,6-Dinitrotoluene	9.84	165	21339	8.810	ng	# 27
56) 2,4-Dinitrotoluene	9.84	165	21339	6.716	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	275	7.537	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12086	4.509	ng	# 1
76) Benzidine	12.92	184	12120	Below Cal		97

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

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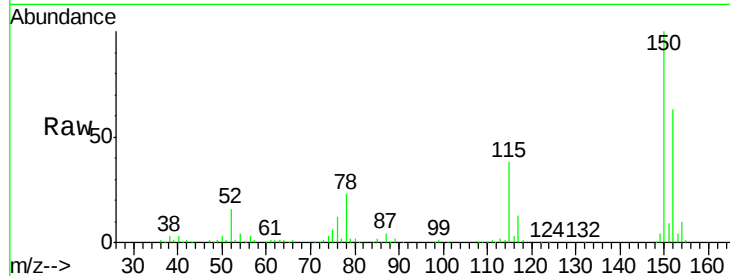


#1

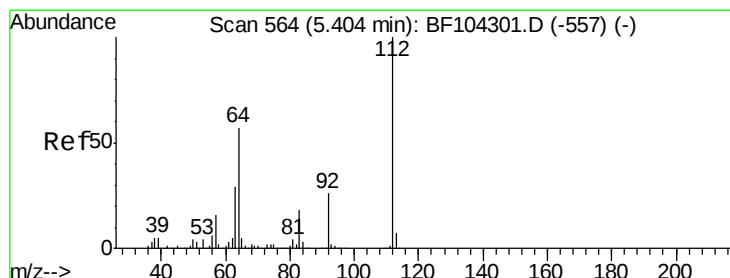
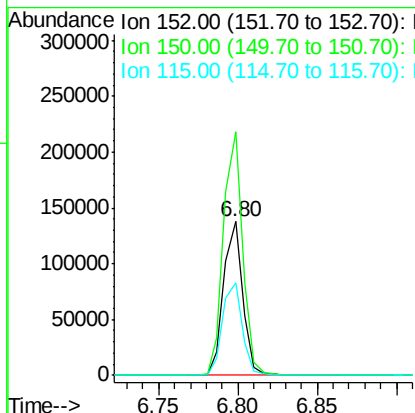
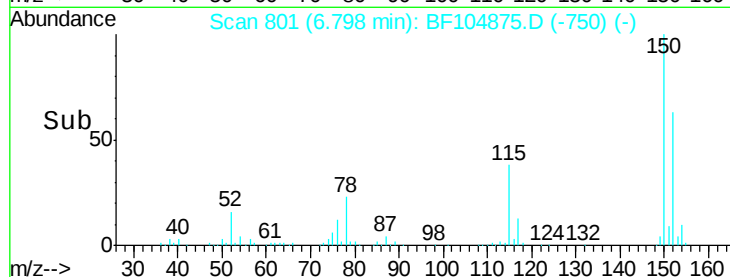
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115450
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 60.7 50.1 75.1



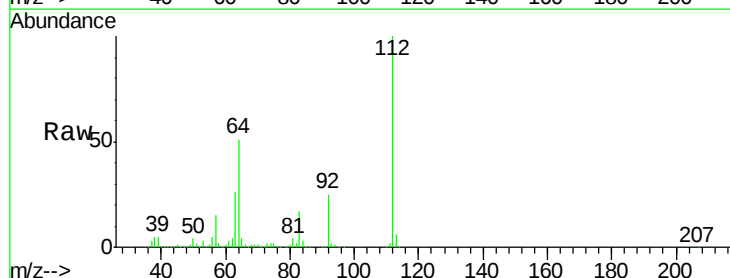
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



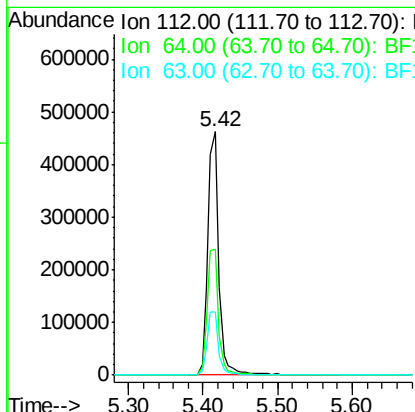
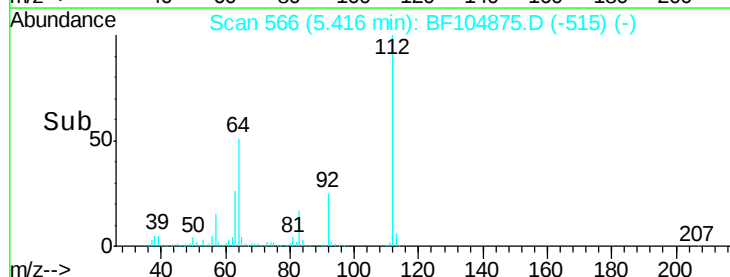
#5

2-Fluorophenol
Concen: 63.258 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Tgt Ion:112 Resp: 477623
Ion Ratio Lower Upper
112 100
64 51.5 47.9 71.9
63 26.0 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: 38.867 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104875.D

Acq: 27 Apr 2018 10:58

Instrument :

BNA_F

ClientSampleId :

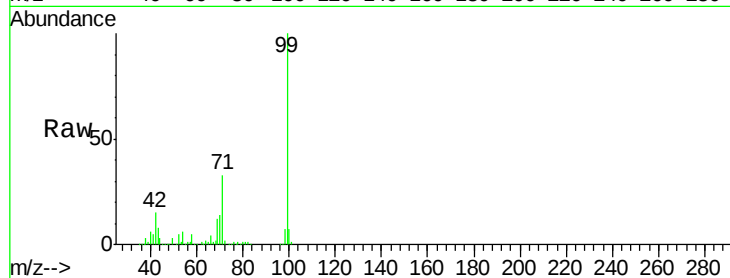
Tot Ion: 99 Resp: 360568

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

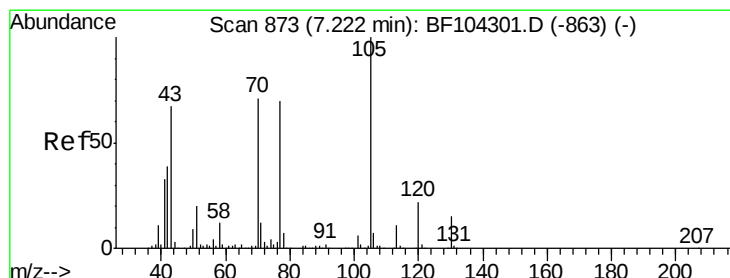
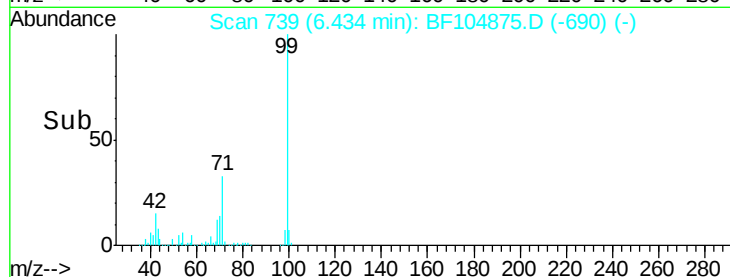
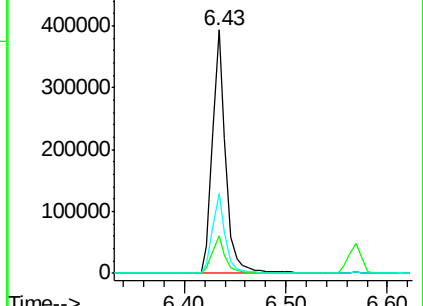
71 32.6 25.4 38.0



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: 14.403 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104875.D

Acq: 27 Apr 2018 10:58

Tgt Ion: 70 Resp: 87312

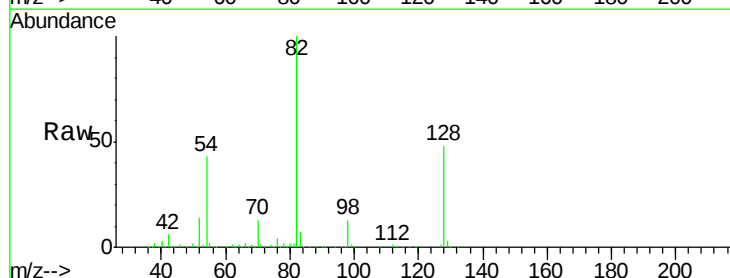
Ion Ratio Lower Upper

70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

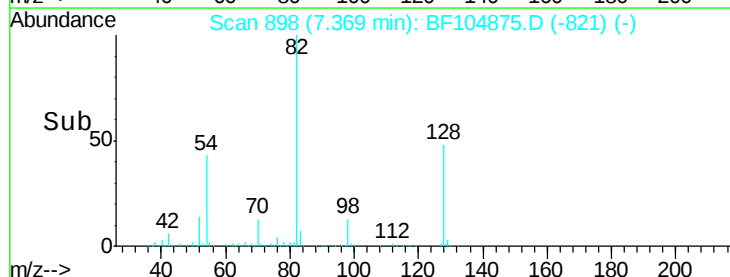
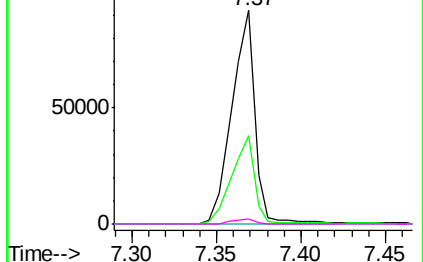


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

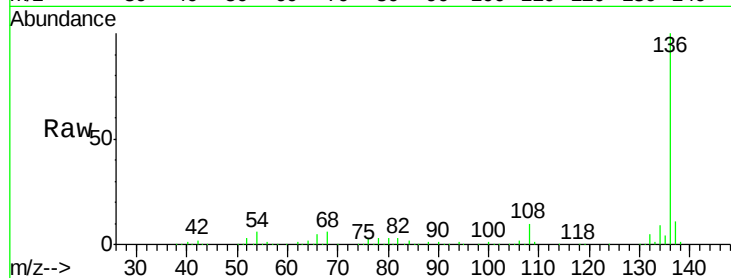




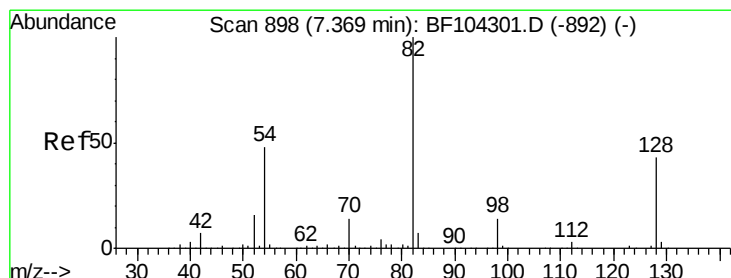
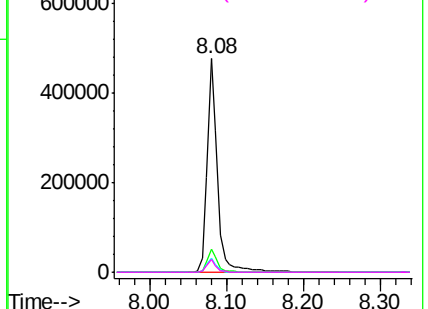
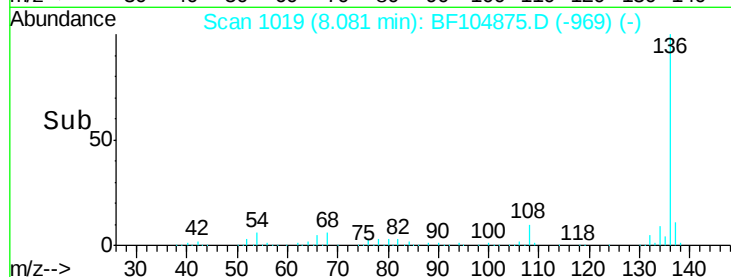
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	439133
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	6.5	6.6 9.8#
68	5.9	5.0 7.4

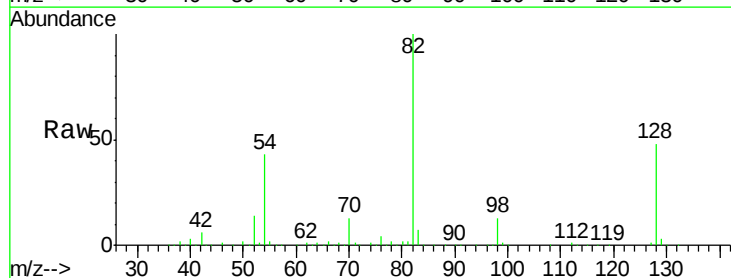


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

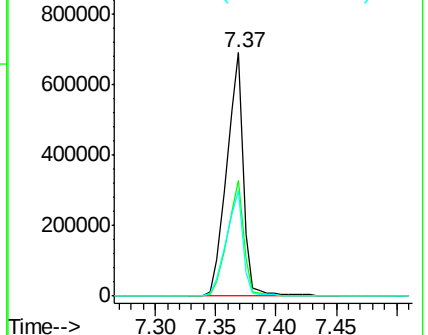
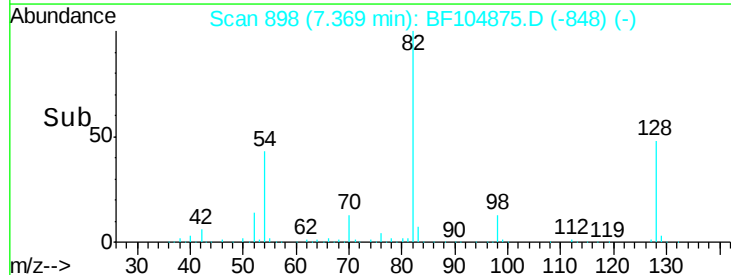


#23
Nitrobenzene-d5
Concen: 99.311 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Tgt Ion: 82	Resp:	667875
Ion Ratio	Lower	Upper
82	100	
128	47.5	36.1 54.1
54	43.5	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: 46.963 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104875.D

Acq: 27 Apr 2018 10:58

Instrument :

BNA_F

ClientSampled :

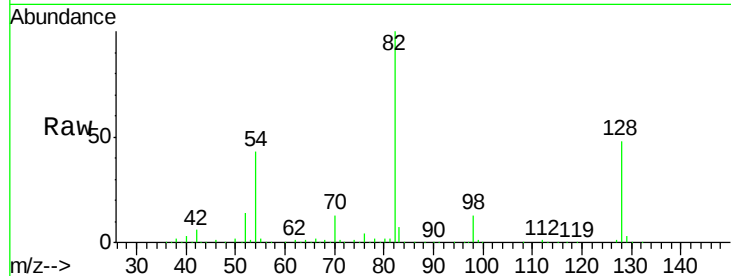
Tot Ion: 82 Resp: 667866

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

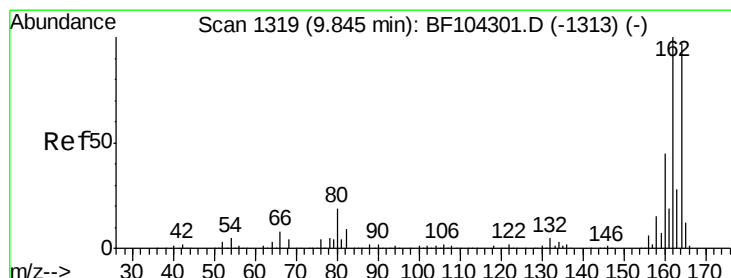
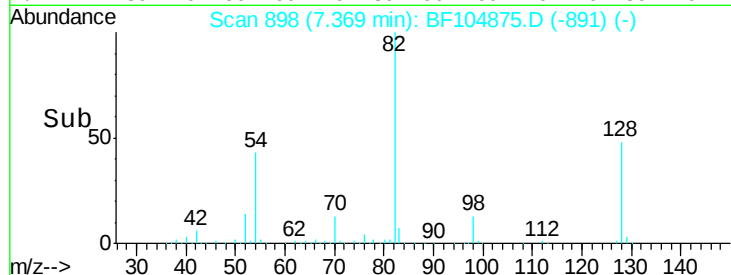
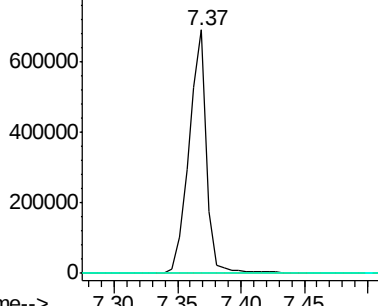
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104875.D

Acq: 27 Apr 2018 10:58

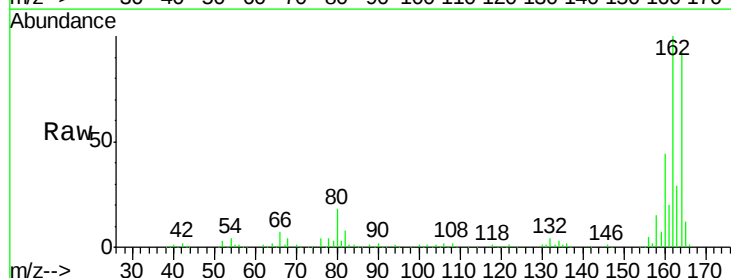
Tgt Ion: 164 Resp: 165993

Ion Ratio Lower Upper

164 100

162 107.8 86.1 129.1

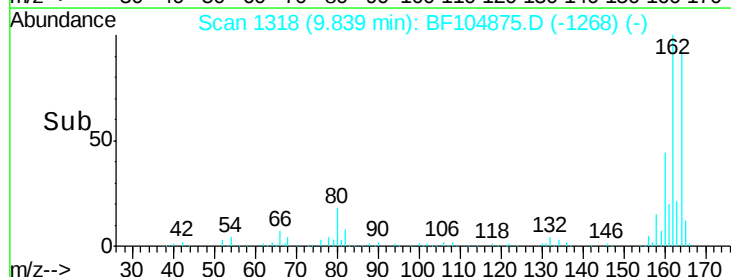
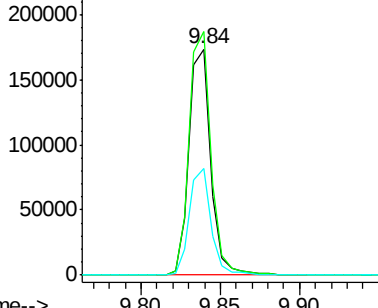
160 47.1 38.3 57.5

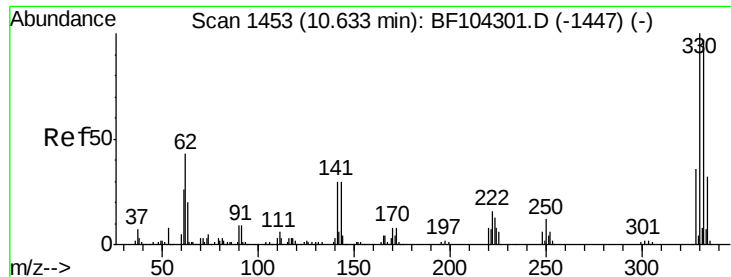


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

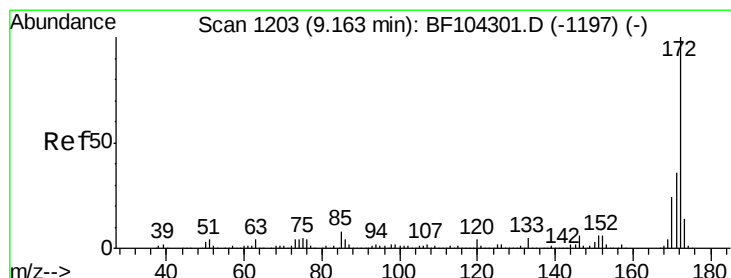
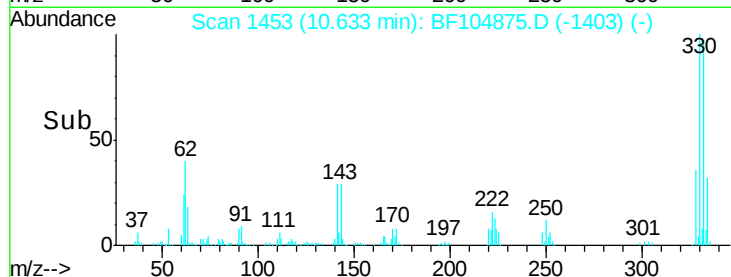
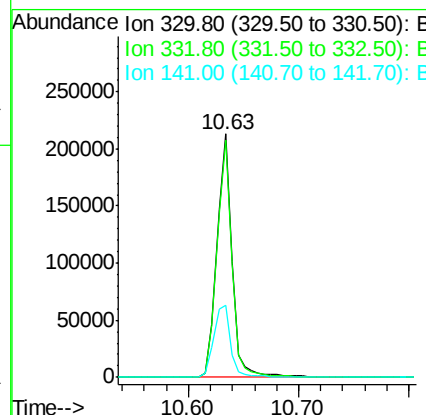
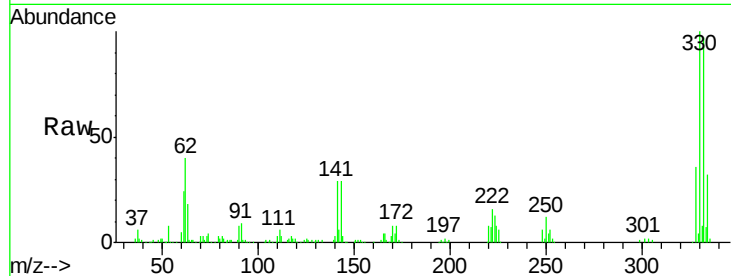




#41
 2,4,6-Tribromophenol
 Concen: 115.907 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104875.D
 Acq: 27 Apr 2018 10:58

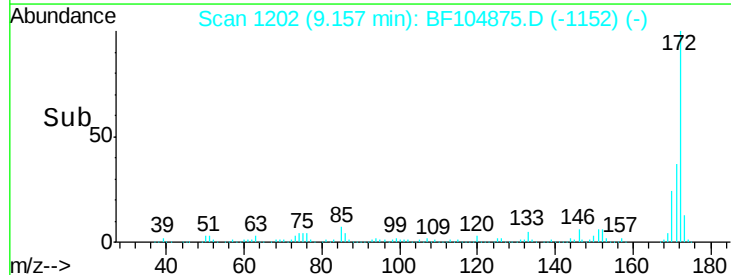
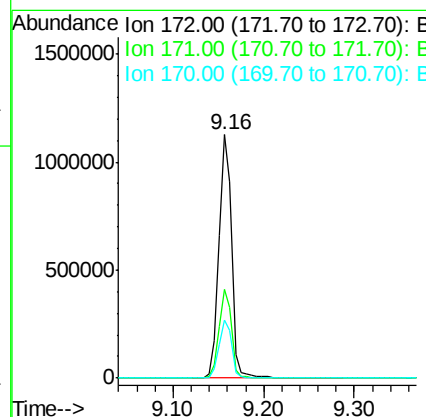
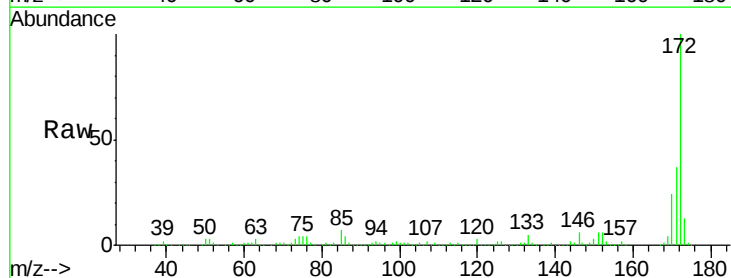
Instrument :
 BNA_F
 ClientSampleId :

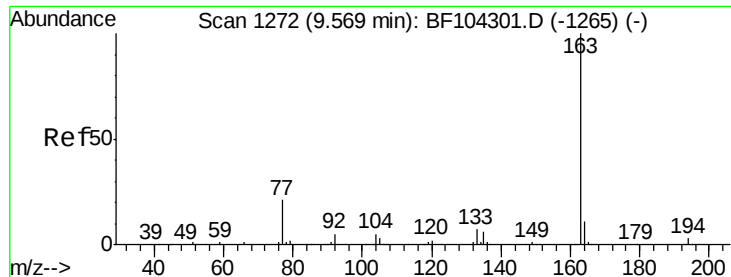
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 104.348 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104875.D
 Acq: 27 Apr 2018 10:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.9	19.6	29.4

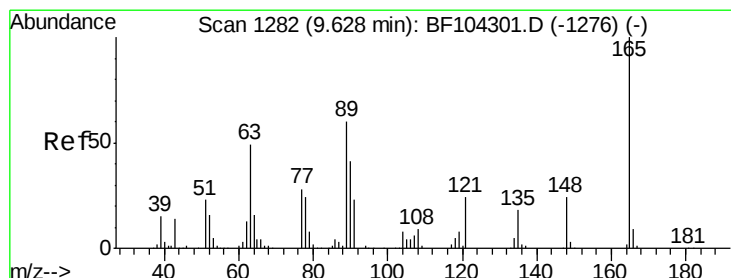
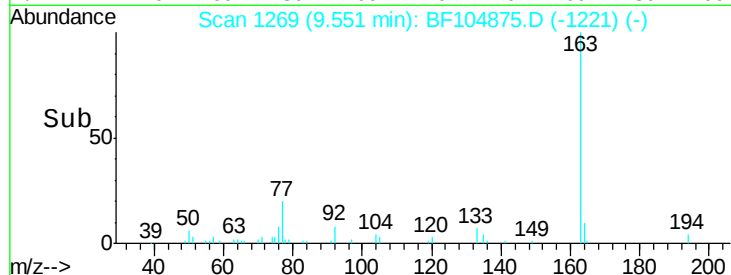
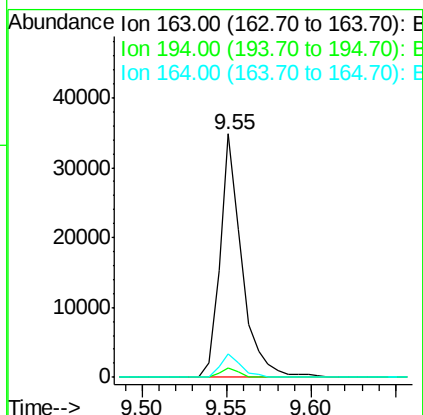
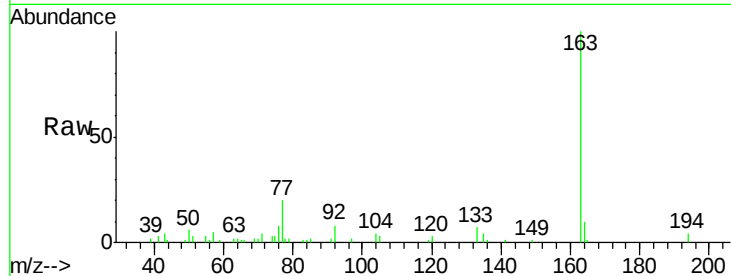




#49
Dimethylphthalate
Concen: 2.403 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

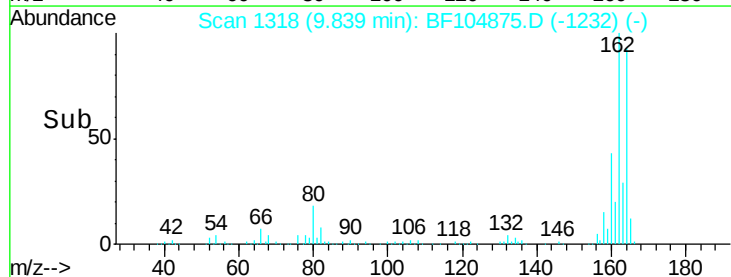
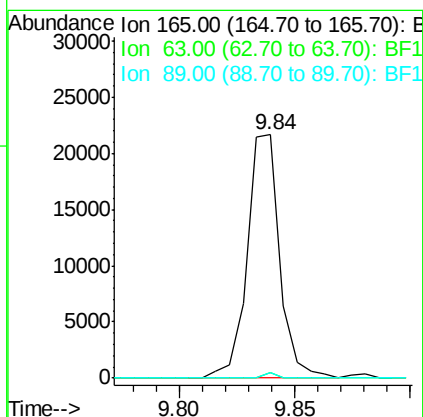
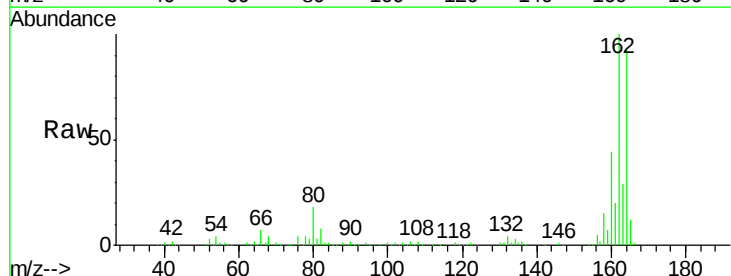
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 31458
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.6 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.810 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Tgt Ion:165 Resp: 21339
Ion Ratio Lower Upper
165 100
63 2.1 44.7 67.1#
89 2.3 44.0 66.0#

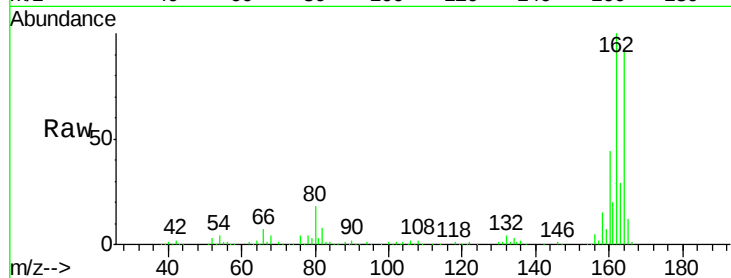




#56
2,4-Dinitrotoluene
Concen: 6.716 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	21339
Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	2.3	57.8	86.6#
182	0.0	1.6	2.4#

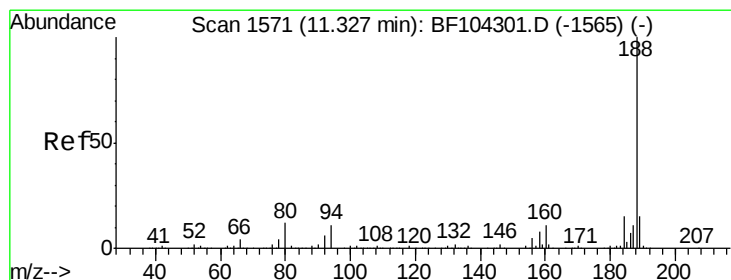
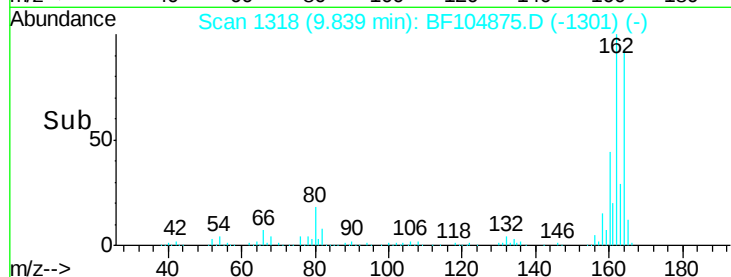
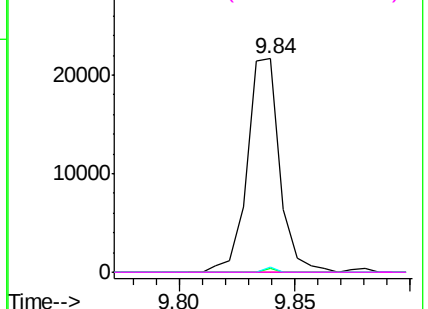


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

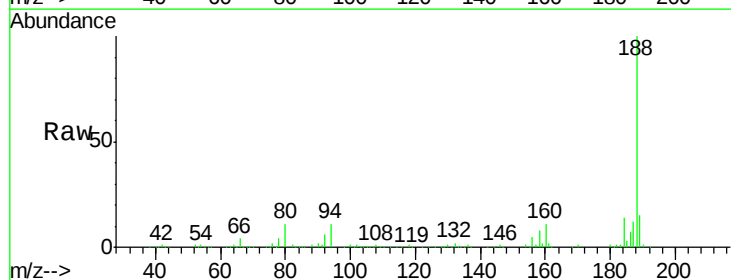
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

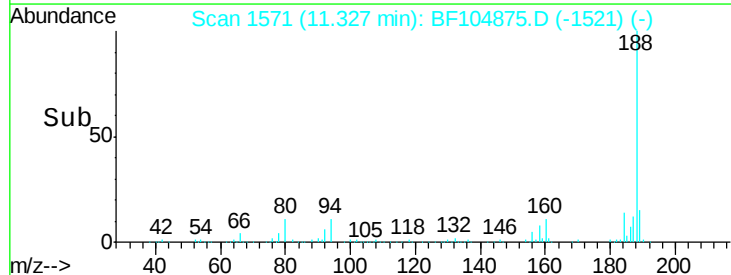
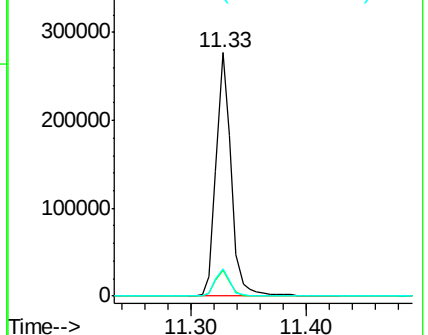
Tgt Ion:	188	Resp:	251984
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.3	9.2	13.8

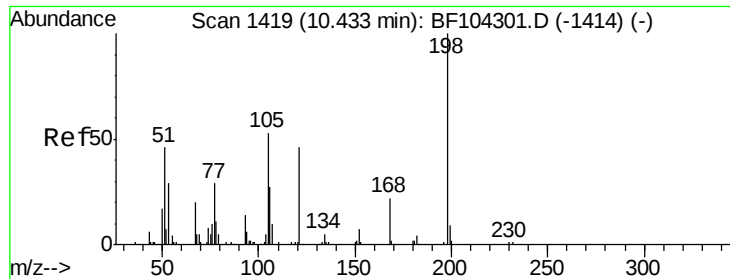


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

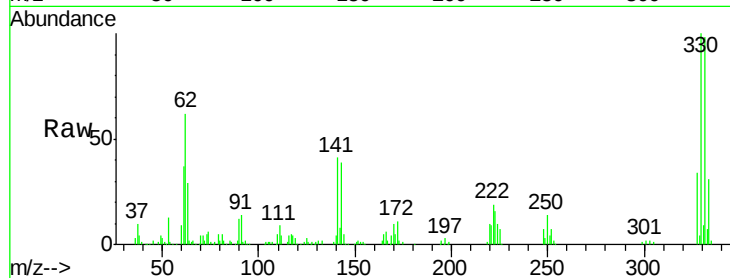




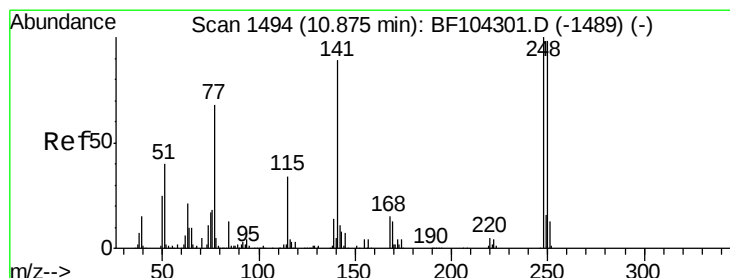
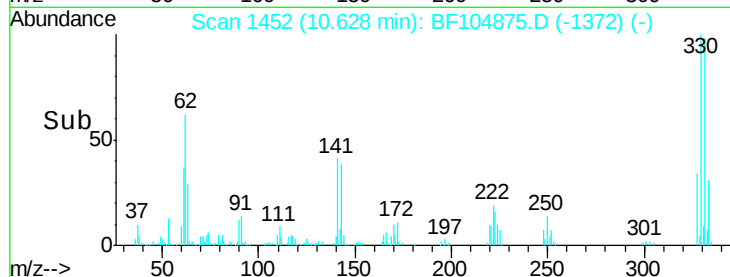
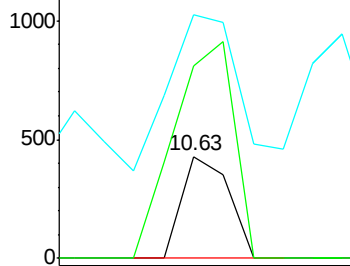
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.537 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.17 min
 Lab File: BF104875.D
 Acq: 27 Apr 2018 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 275
 Ion Ratio Lower Upper
 198 100
 51 188.6 37.7 77.7#
 105 238.9 36.3 76.3#

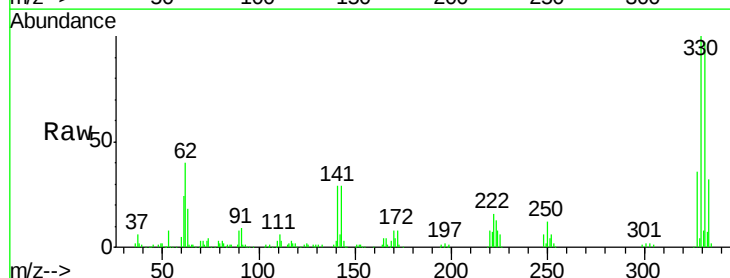


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

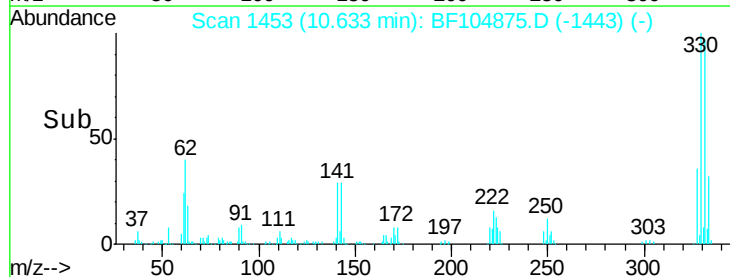
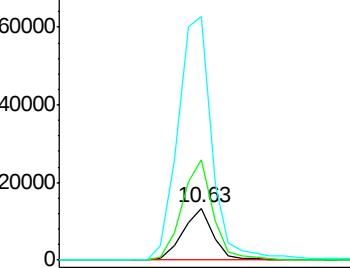


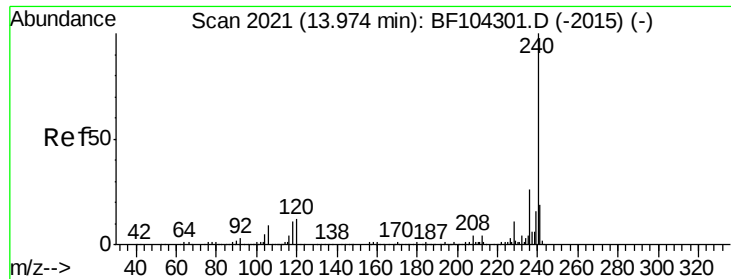
#66
 4-Bromophenyl-phenylether
 Concen: 4.509 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104875.D
 Acq: 27 Apr 2018 10:58

Tgt Ion:248 Resp: 12086
 Ion Ratio Lower Upper
 248 100
 250 193.7 76.9 115.3#
 141 471.9 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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104875.D

Acq: 27 Apr 2018 10:58

Instrument :

BNA_F

ClientSampleId :

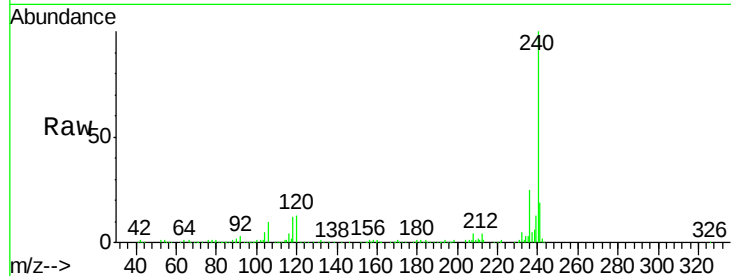
Tot Ion:240 Resp: 238321

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

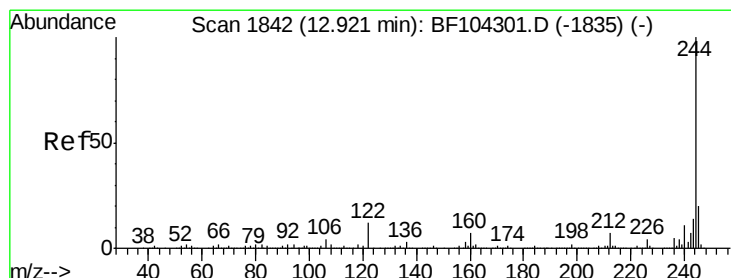
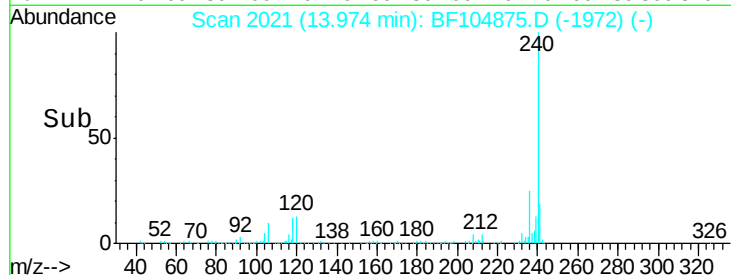
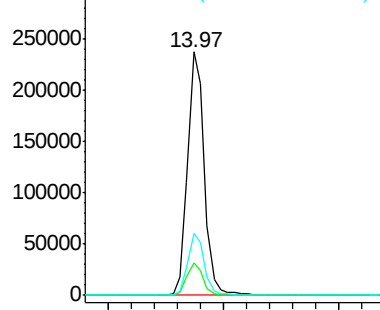
236 25.3 20.7 31.1



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: 87.008 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104875.D

Acq: 27 Apr 2018 10:58

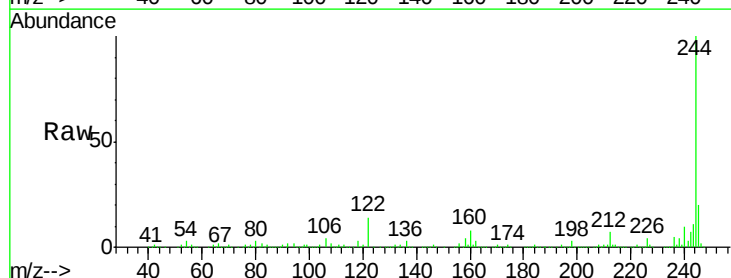
Tgt Ion:244 Resp: 909537

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

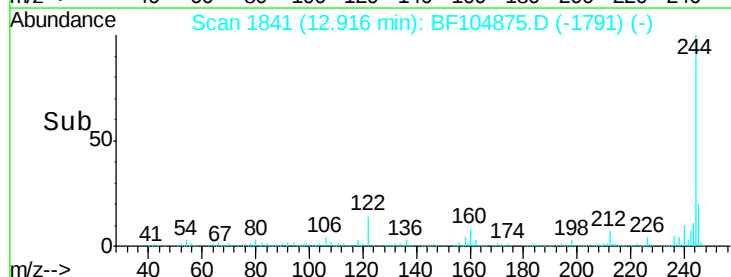
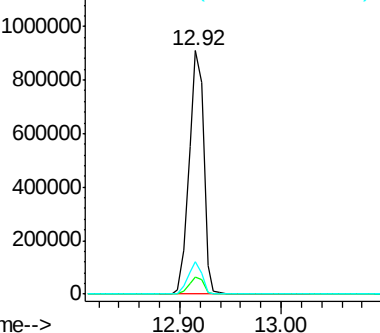
122 13.6 11.0 16.4

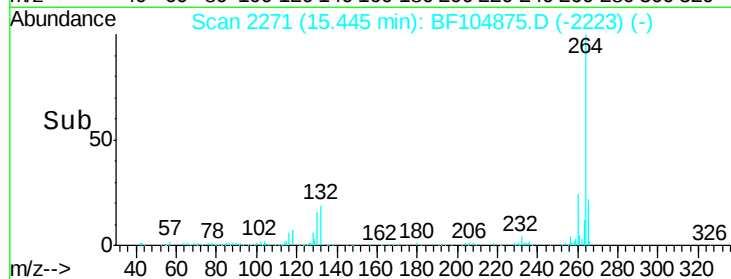
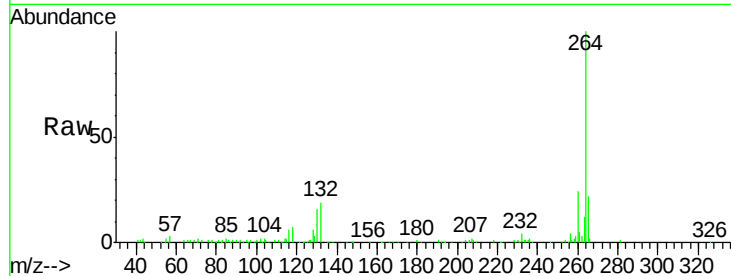
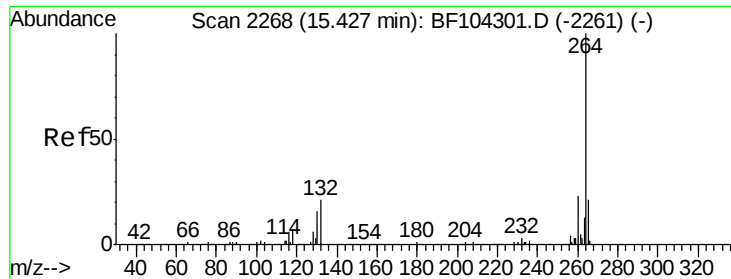


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104875.D
Acq: 27 Apr 2018 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.1	19.2	28.8	
265	21.9	17.5	26.3	

