

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
 Data File : BF108245.D
 Acq On : 17 Aug 2018 16:09
 Operator : JU/SJ
 Sample : J4500-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 17 17:20:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

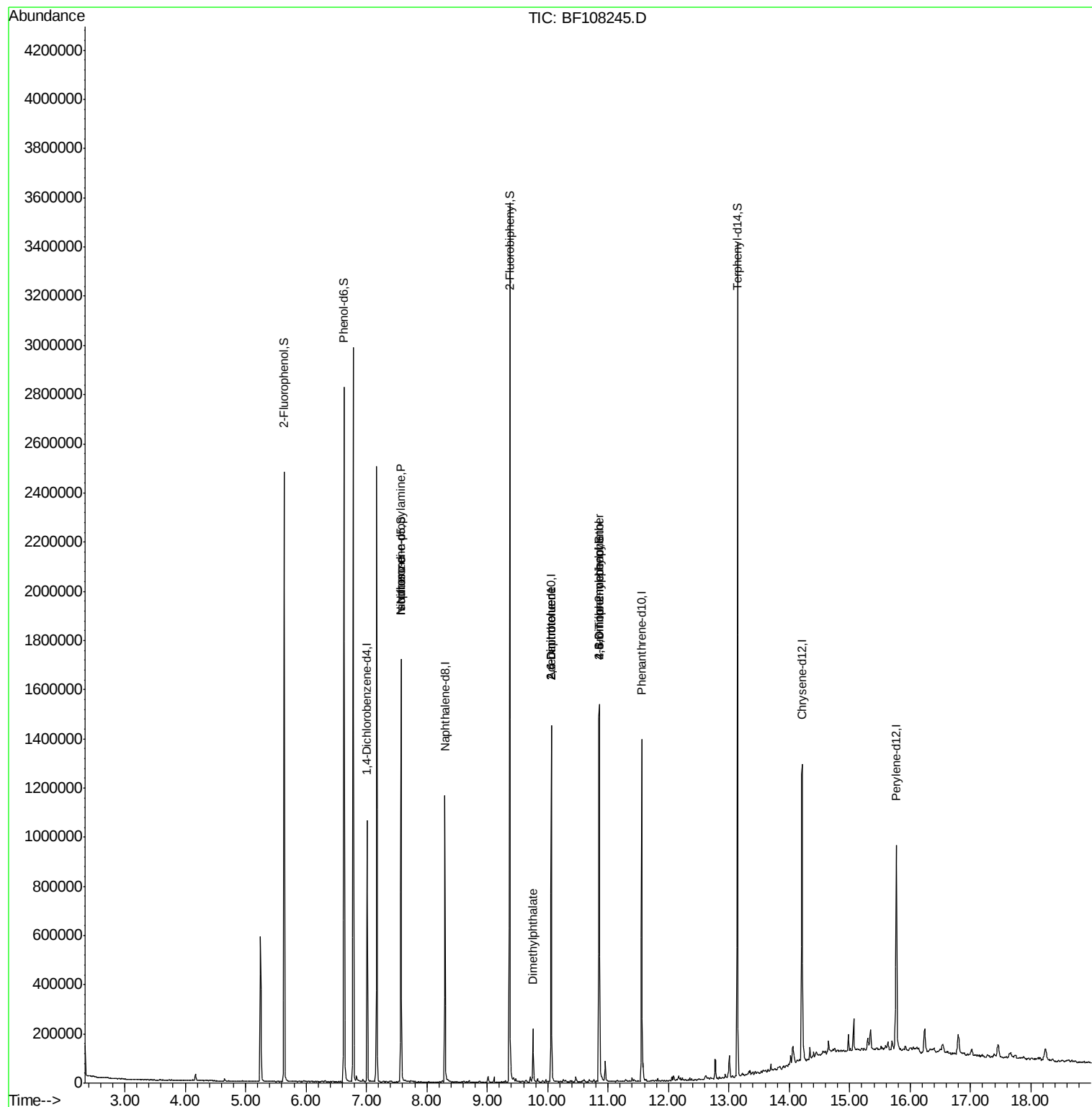
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	139890	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	531365	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	263833	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	499774	20.00	ng	0.00
75) Chrysene-d12	14.21	240	424174	20.00	ng	0.00
86) Perylene-d12	15.77	264	408666	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	612523	79.27	ng	0.00
7) Phenol-d6	6.63	99	859626	83.72	ng	0.00
23) Nitrobenzene-d5	7.58	82	563665	59.19	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	199187	75.69	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1028641	62.59	ng	0.00
78) Terphenyl-d14	13.14	244	1063761	63.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.57	70	74409	10.716	ng	# 86
25) Isophorone	7.58	82	563660	31.055	ng	# 64
49) Dimethylphthalate	9.76	163	76187	4.146	ng	# 99
50) 2,6-Dinitrotoluene	10.06	165	33703	8.765	ng	# 26
56) 2,4-Dinitrotoluene	10.06	165	33703	6.810	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	373	5.535	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	13174	2.426	ng	# 1

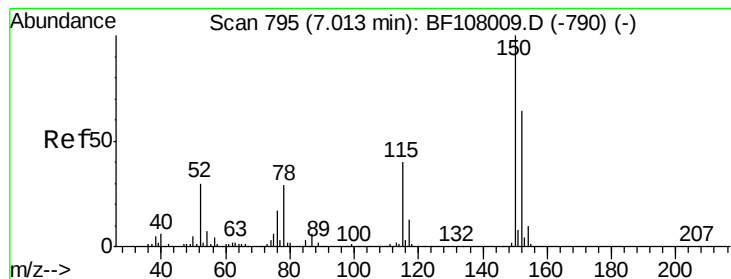
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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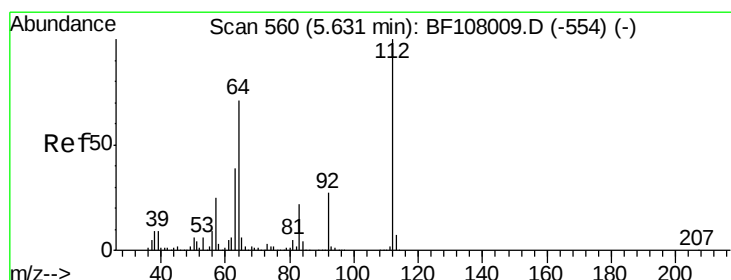
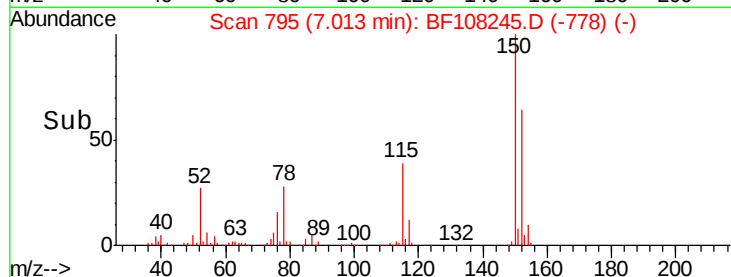
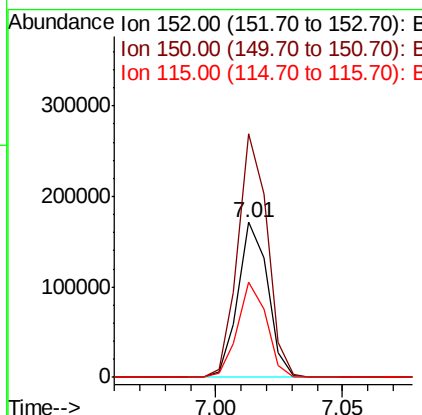
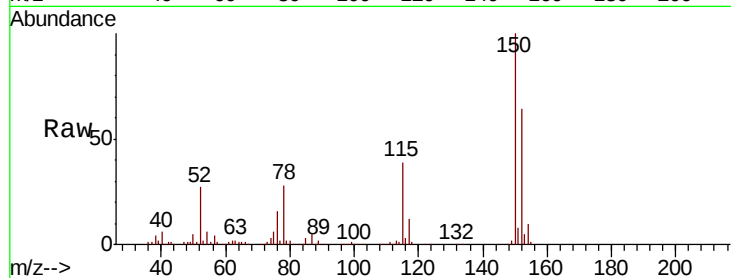


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Instrument :
BNA_F
ClientSampleId :

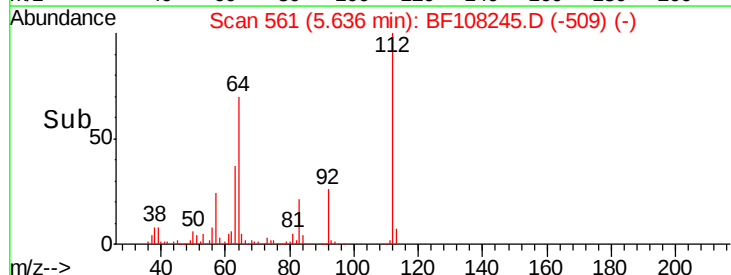
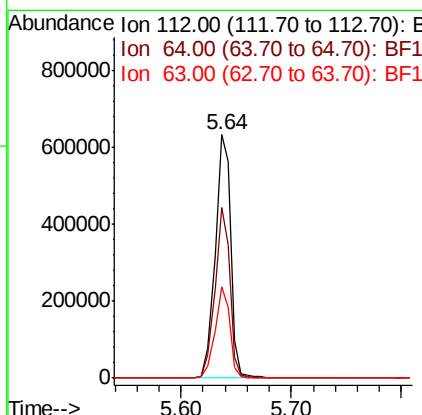
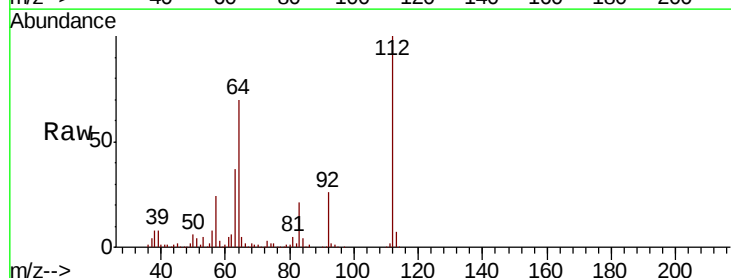
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.6	186.8
115	61.5	50.1	75.1

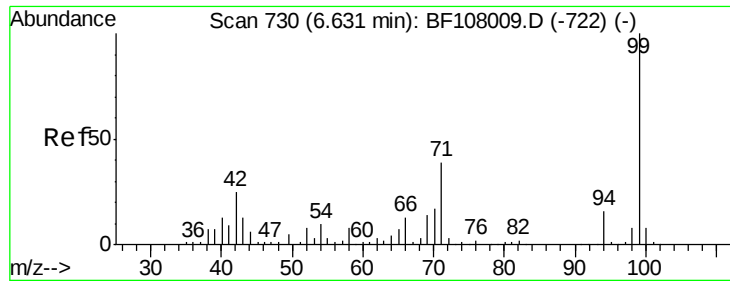


#5

2-Fluorophenol
Concen: 79.273 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	37.3	23.7	35.5





#7

Phenol-d6

Concen: 83.720 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108245.D

Acq: 17 Aug 2018 16:09

Instrument :

BNA_F

ClientSampleId :

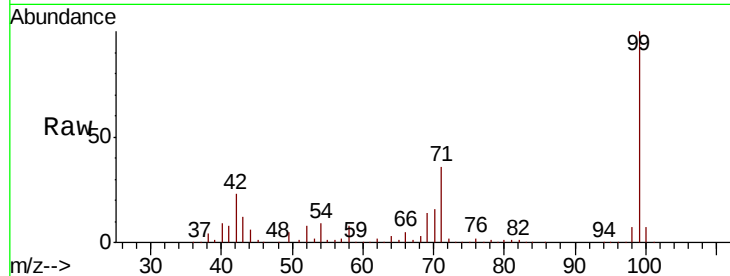
Tot Ion: 99 Resp: 859626

Ion Ratio Lower Upper

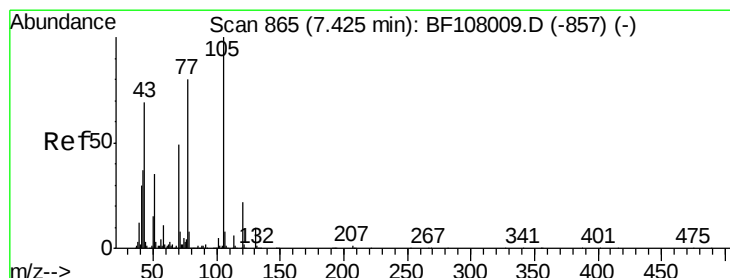
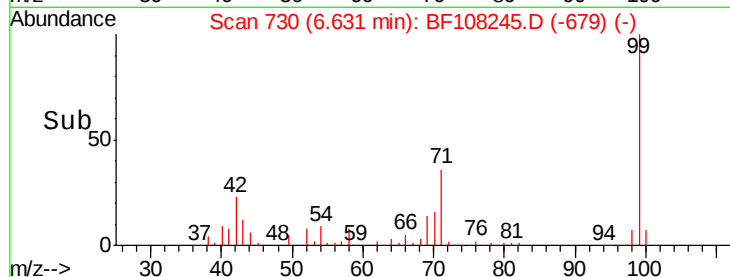
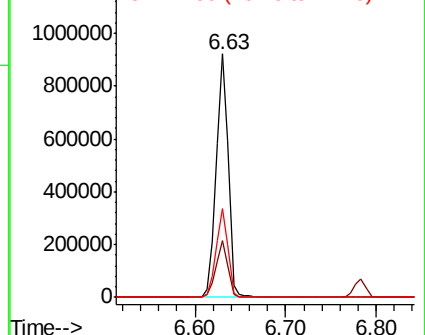
99 100

42 23.2 14.5 21.7#

71 36.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.716 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108245.D

Acq: 17 Aug 2018 16:09

Tgt Ion: 70 Resp: 74409

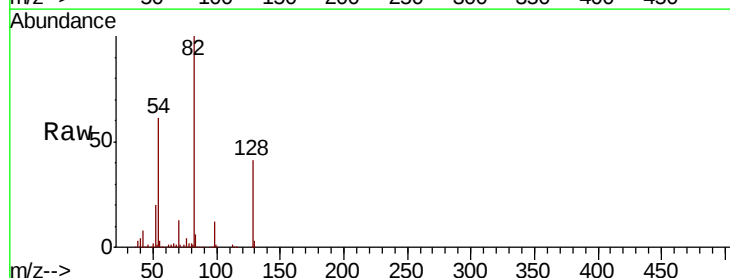
Ion Ratio Lower Upper

70 100

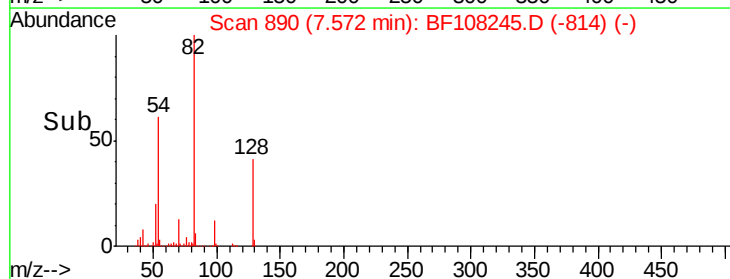
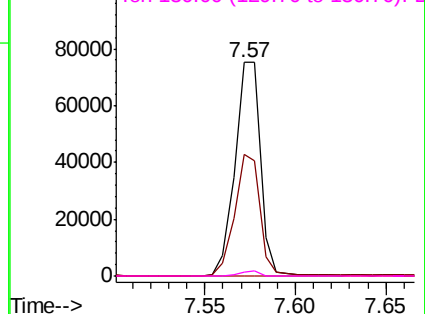
42 56.7 47.5 71.3

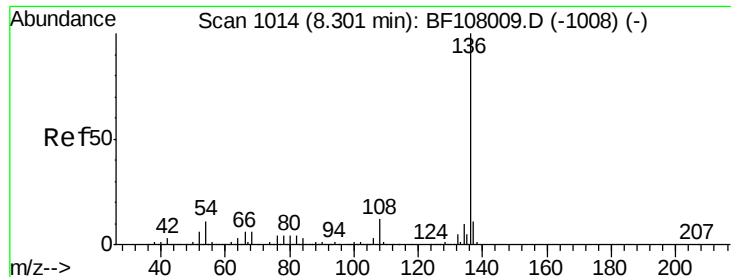
101 0.0 7.4 11.2#

130 2.1 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

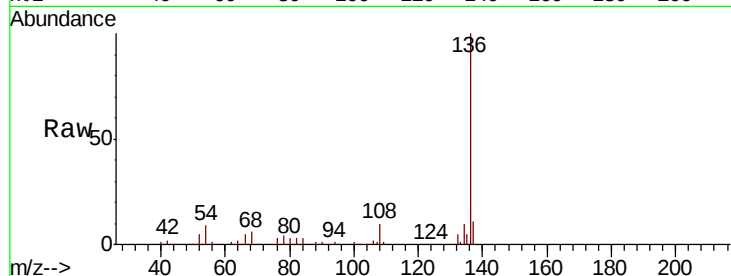




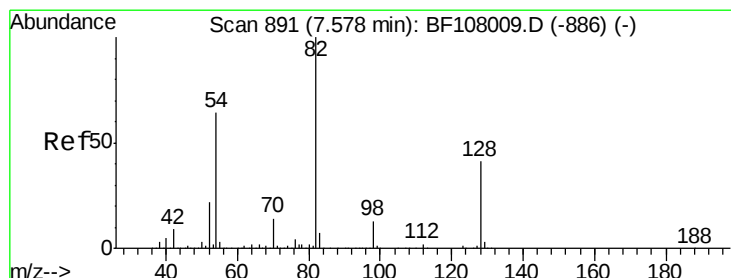
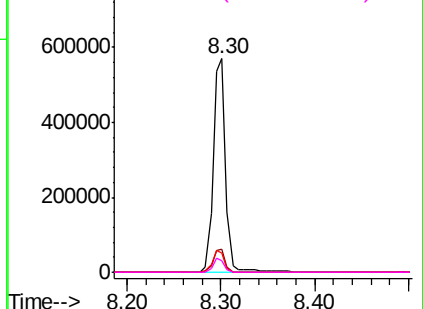
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	531365
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	9.1	6.6 9.8
68	5.6	5.0 7.4

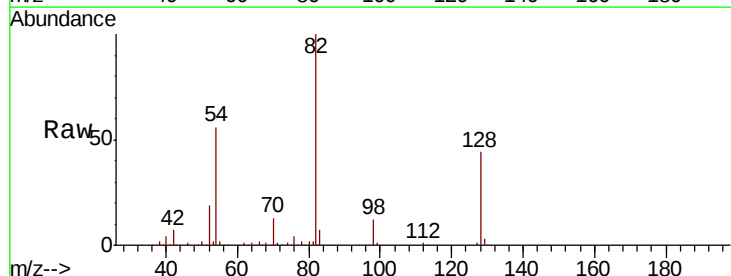


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

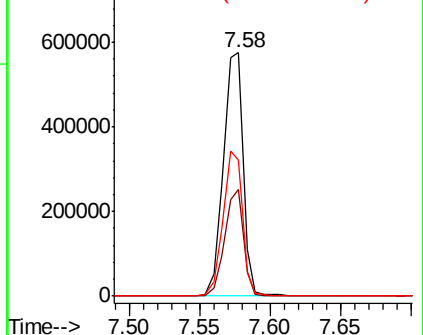


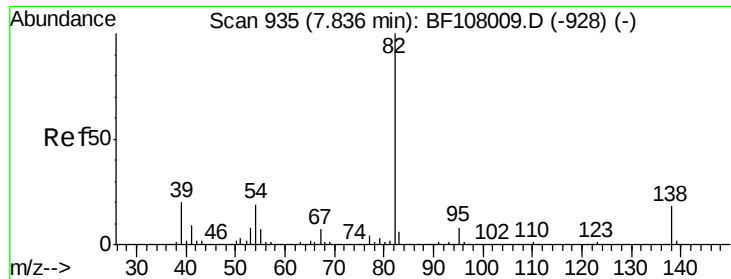
#23
Nitrobenzene-d5
Concen: 59.193 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Tgt Ion: 82	Resp:	563665
Ion	Ratio	Lower Upper
82	100	
128	44.0	36.1 54.1
54	56.0	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: 31.055 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108245.D

Acq: 17 Aug 2018 16:09

Instrument :

BNA_F

ClientSampleId :

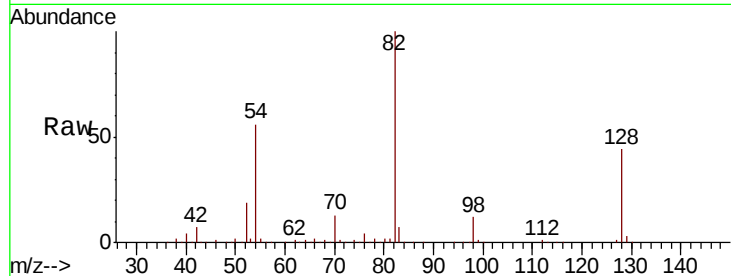
Tot Ion: 82 Resp: 563660

Ion Ratio Lower Upper

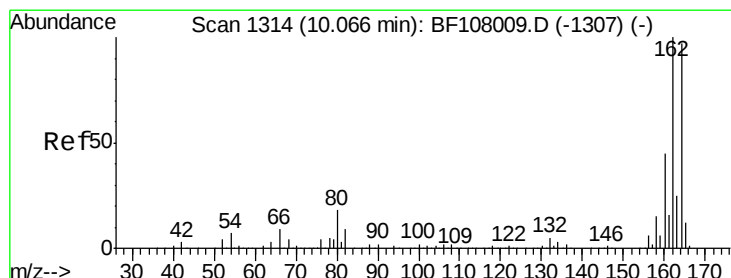
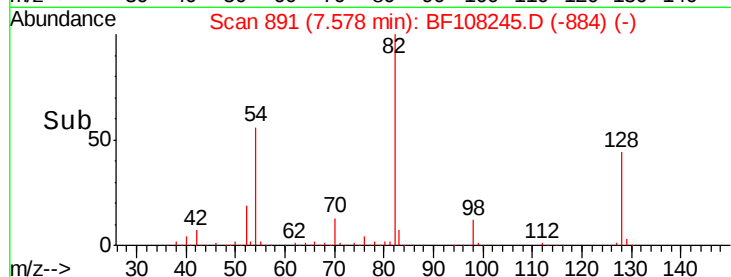
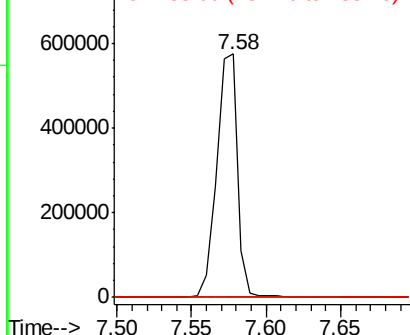
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108245.D

Acq: 17 Aug 2018 16:09

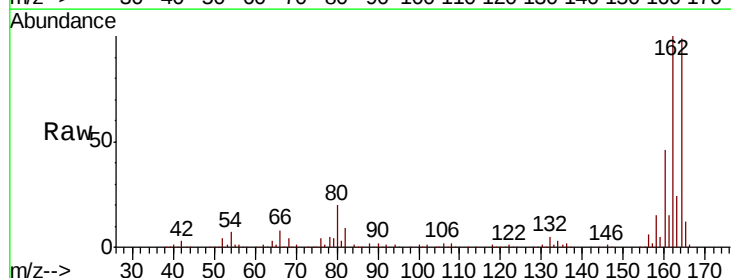
Tgt Ion:164 Resp: 263833

Ion Ratio Lower Upper

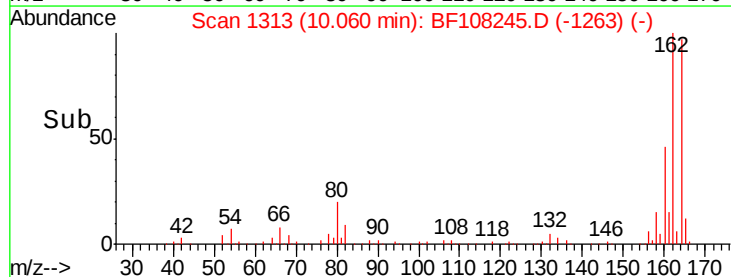
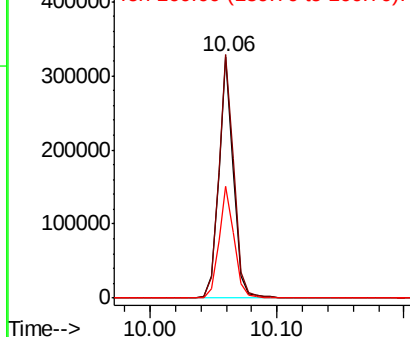
164 100

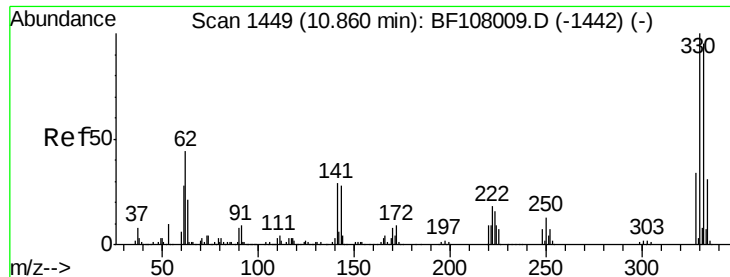
162 101.0 86.1 129.1

160 46.4 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

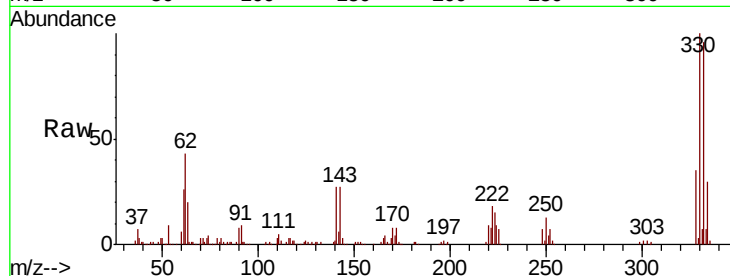




#41
 2,4,6-Tribromophenol
 Concen: 75.689 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108245.D
 Acq: 17 Aug 2018 16:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	32.5	29.9	44.9

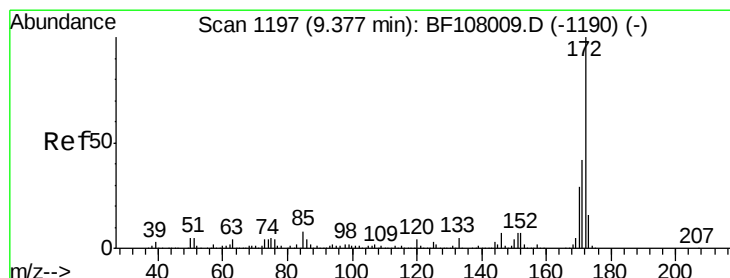
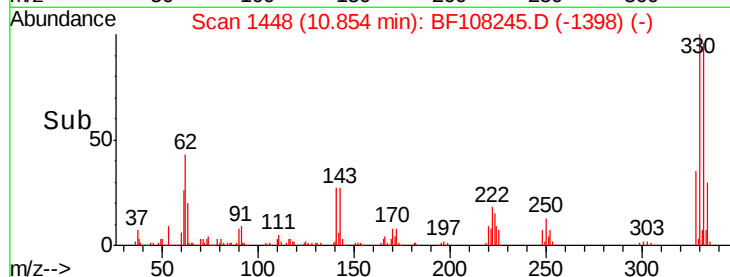
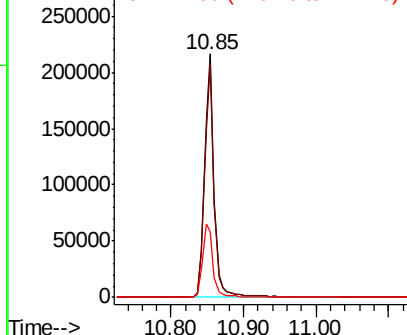


Abundance

Ion 329.80 (329.50 to 330.50): E

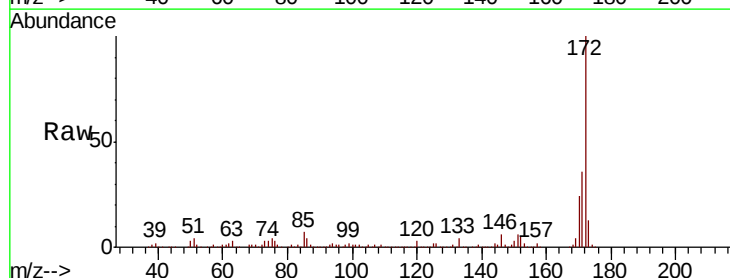
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 62.595 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108245.D
 Acq: 17 Aug 2018 16:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.3	19.6	29.4

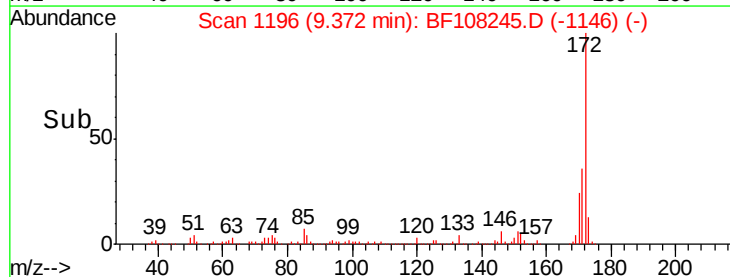
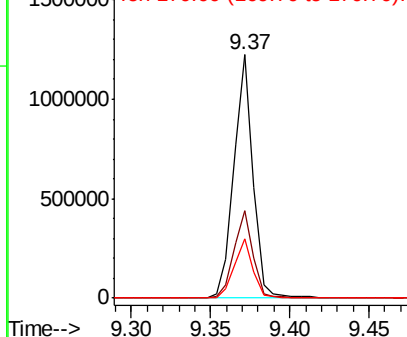


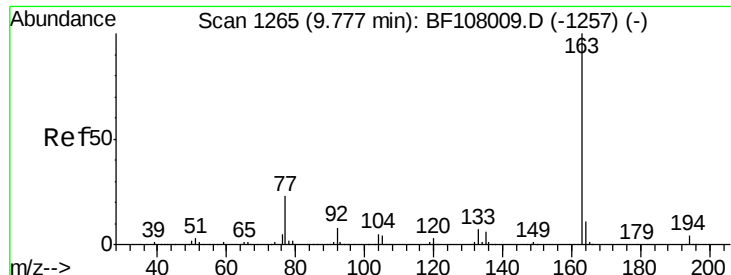
Abundance

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

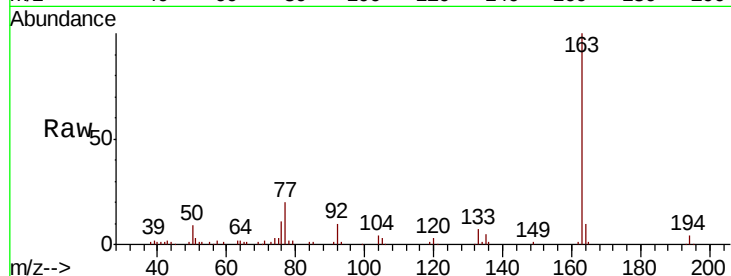




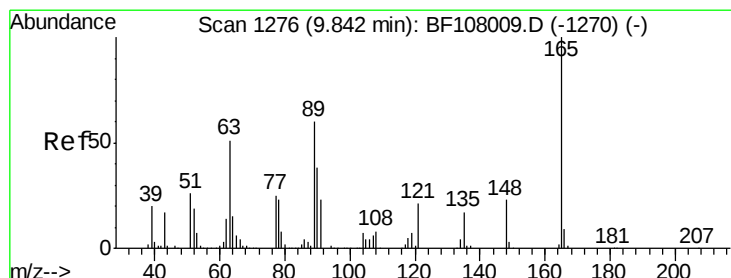
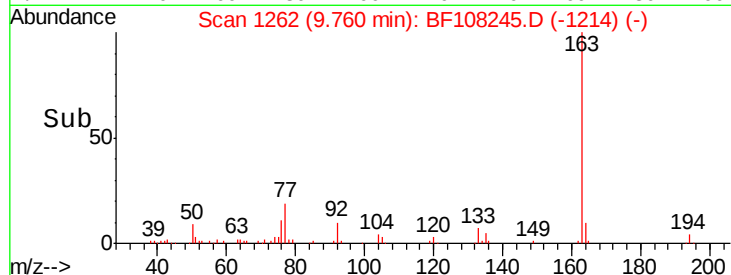
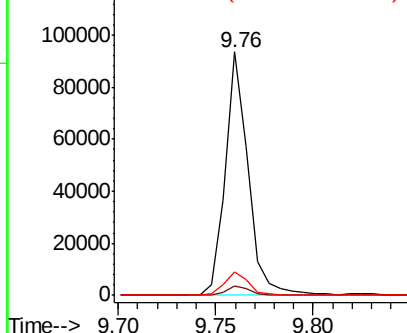
#49
Dimethylphthalate
Concen: 4.146 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 76187
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 8.2 12.2

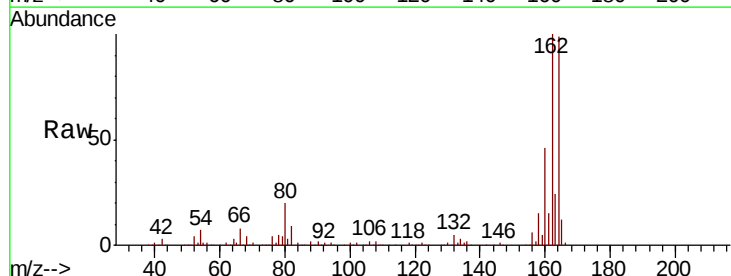


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

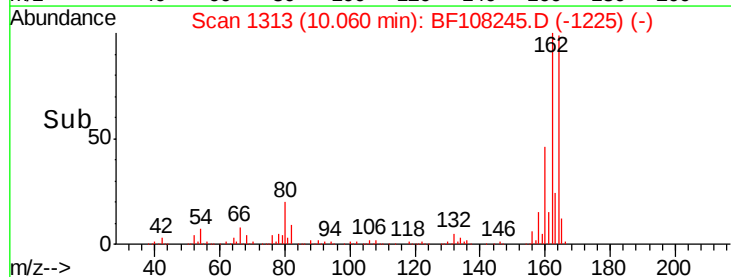
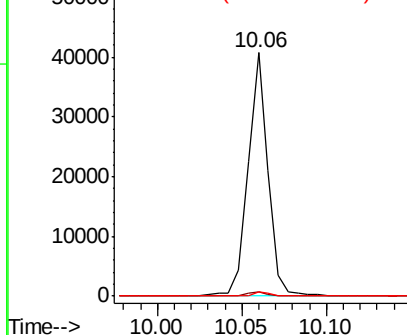


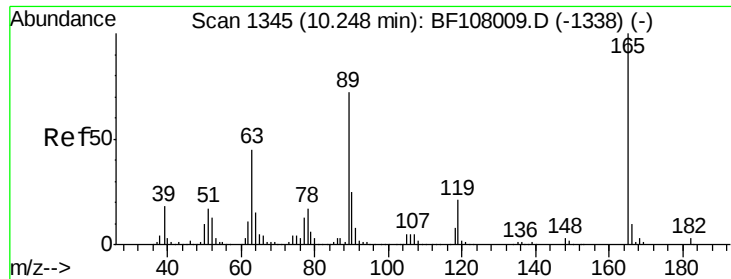
#50
2,6-Dinitrotoluene
Concen: 8.765 ng
RT: 10.06 min Scan# 1313
Delta R.T. 0.22 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Tgt Ion:165 Resp: 33703
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.7 44.0 66.0#



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

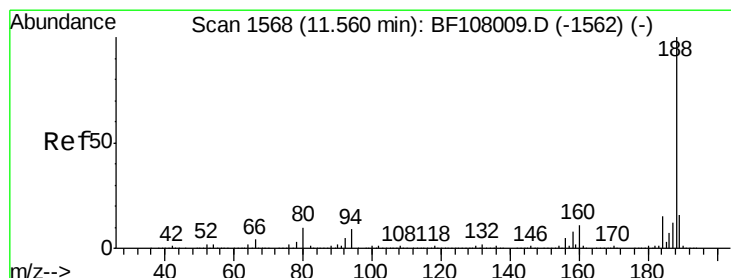
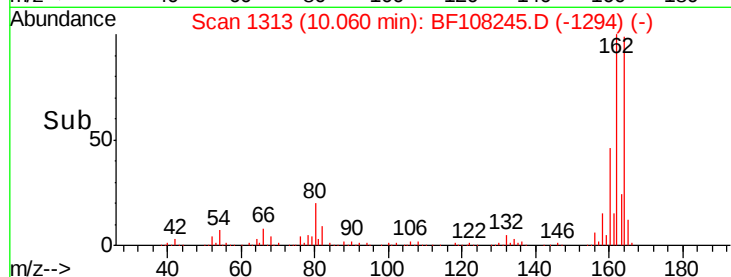
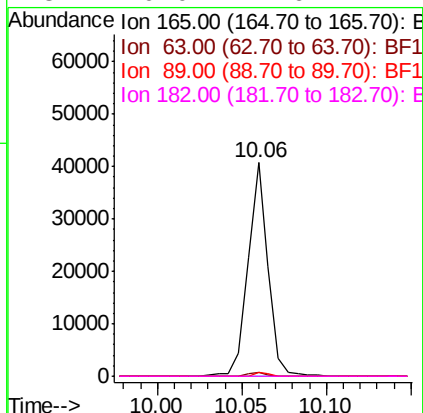
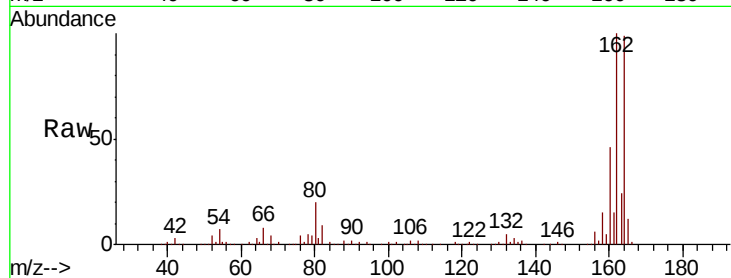




#56
 2,4-Dinitrotoluene
 Concen: 6.810 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108245.D
 Acq: 17 Aug 2018 16:09

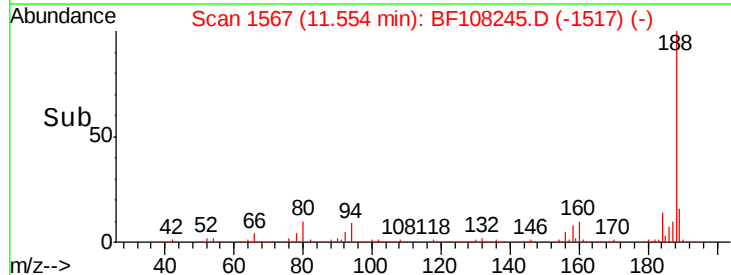
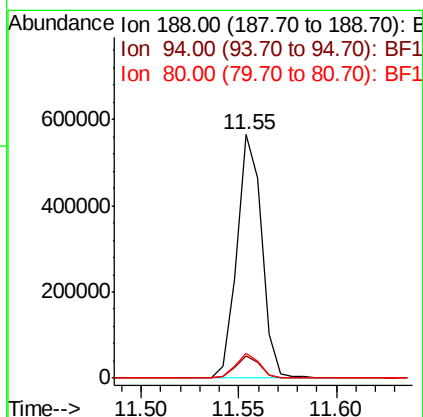
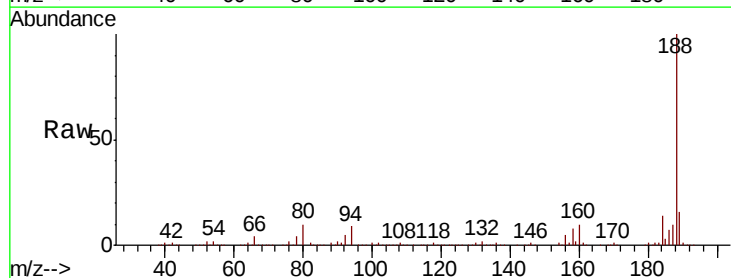
Instrument :
 BNA_F
 ClientSampleId :

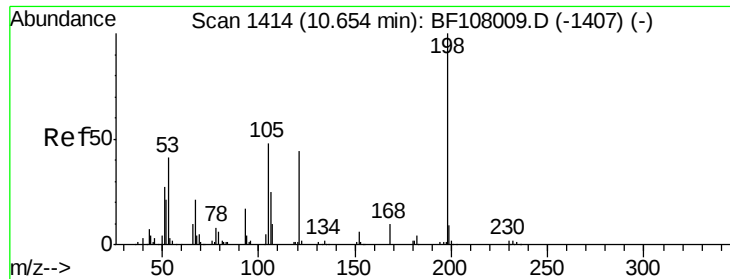
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108245.D
 Acq: 17 Aug 2018 16:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.0	9.2	13.8

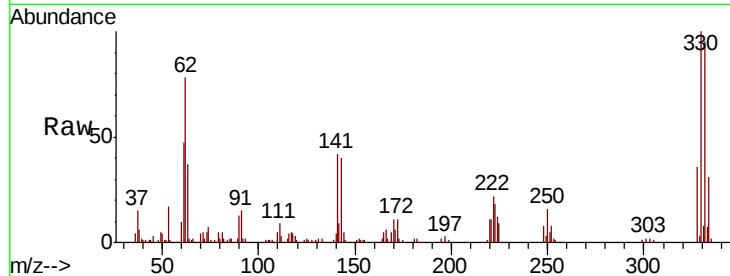




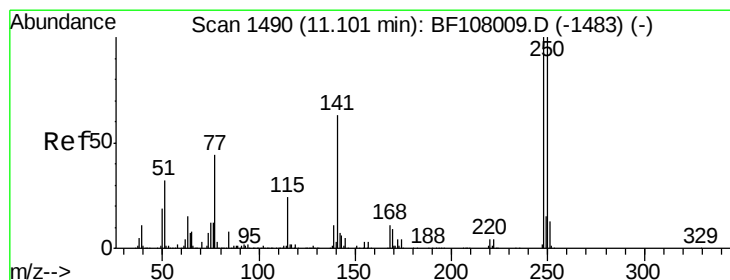
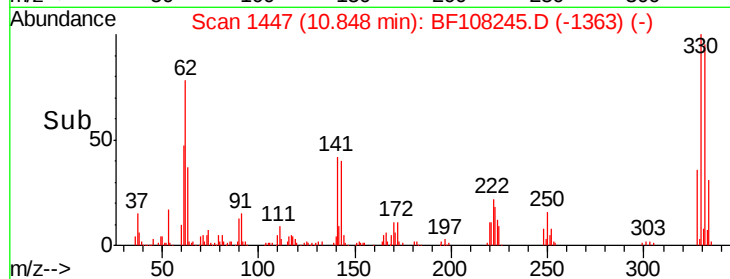
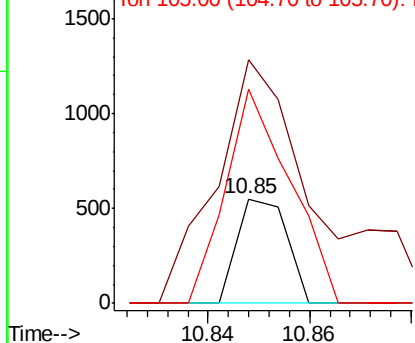
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.535 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. 0.19 min
 Lab File: BF108245.D
 Acq: 17 Aug 2018 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 373
 Ion Ratio Lower Upper
 198 100
 51 233.7 37.7 77.7#
 105 205.6 36.3 76.3#

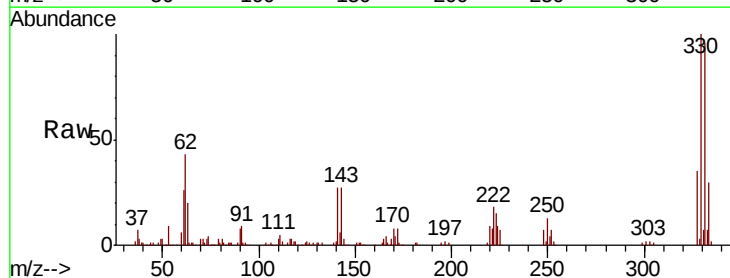


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

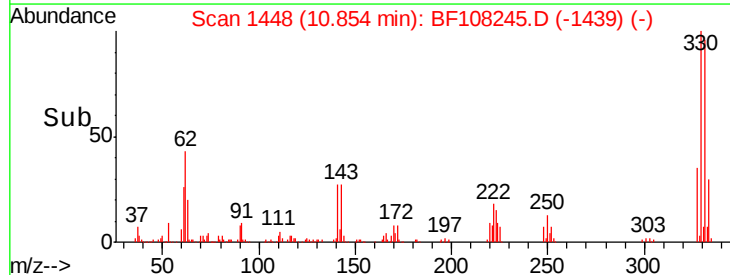
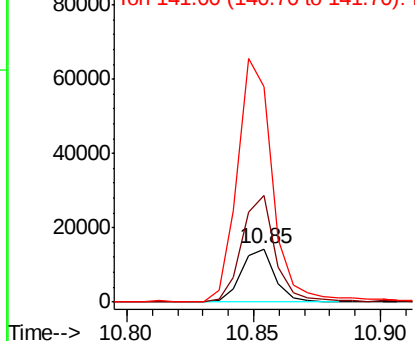


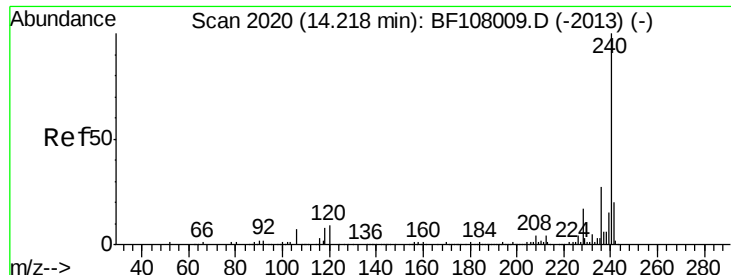
#66
 4-Bromophenyl-phenylether
 Concen: 2.426 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108245.D
 Acq: 17 Aug 2018 16:09

Tgt Ion:248 Resp: 13174
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.9 115.3#
 141 404.8 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: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108245.D

Acq: 17 Aug 2018 16:09

Instrument :

BNA_F

ClientSampleId :

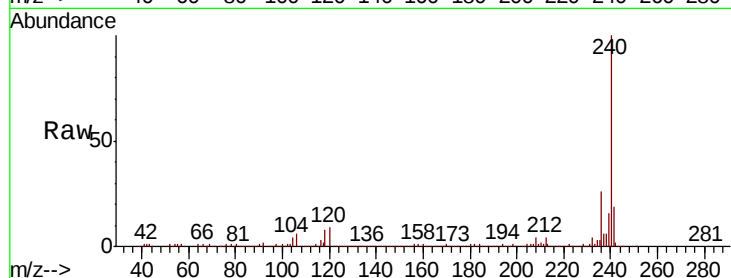
Tot Ion:240 Resp: 424174

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

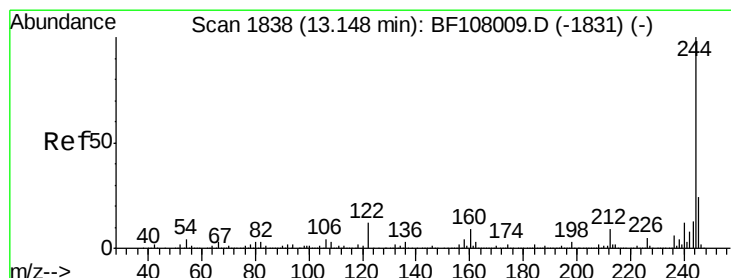
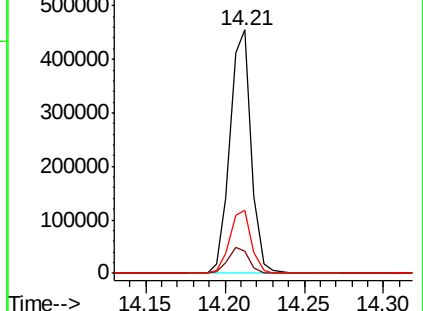
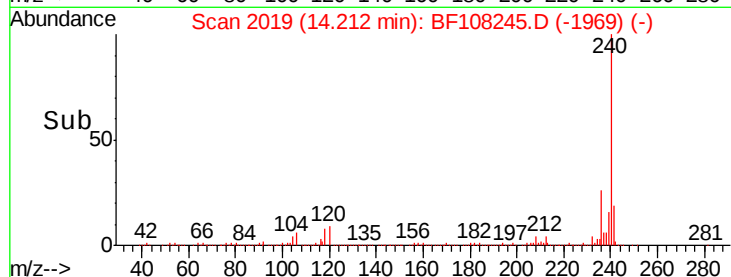
236 25.8 20.7 31.1



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: 63.764 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108245.D

Acq: 17 Aug 2018 16:09

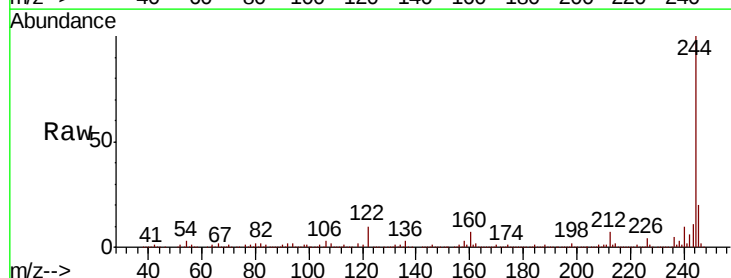
Tgt Ion:244 Resp: 1063761

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

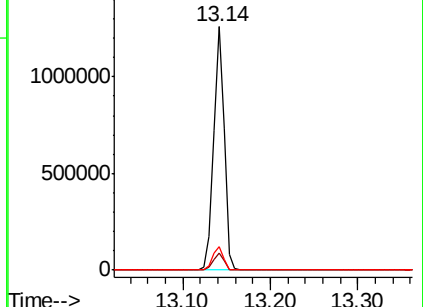
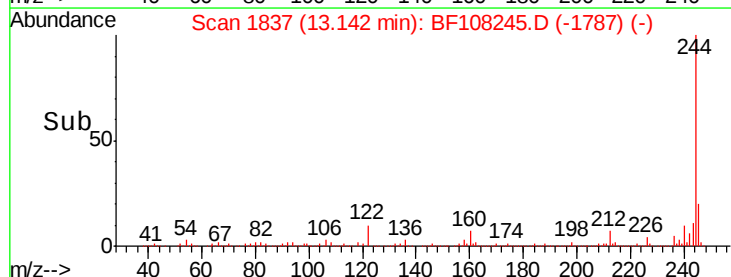
122 9.9 11.0 16.4#

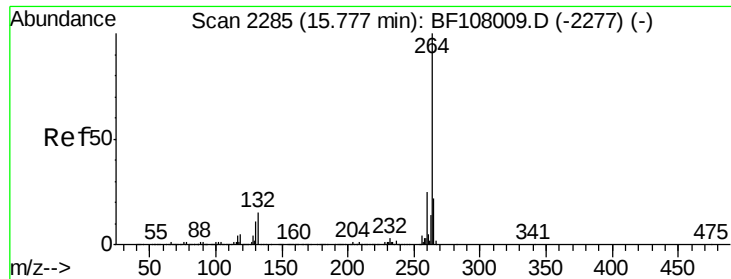


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108245.D
Acq: 17 Aug 2018 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.7	17.5	26.3

