

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109873.D
 Acq On : 13 Oct 2018 9:37
 Operator : JU/SJ
 Sample : PB113699BL
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 01:21:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

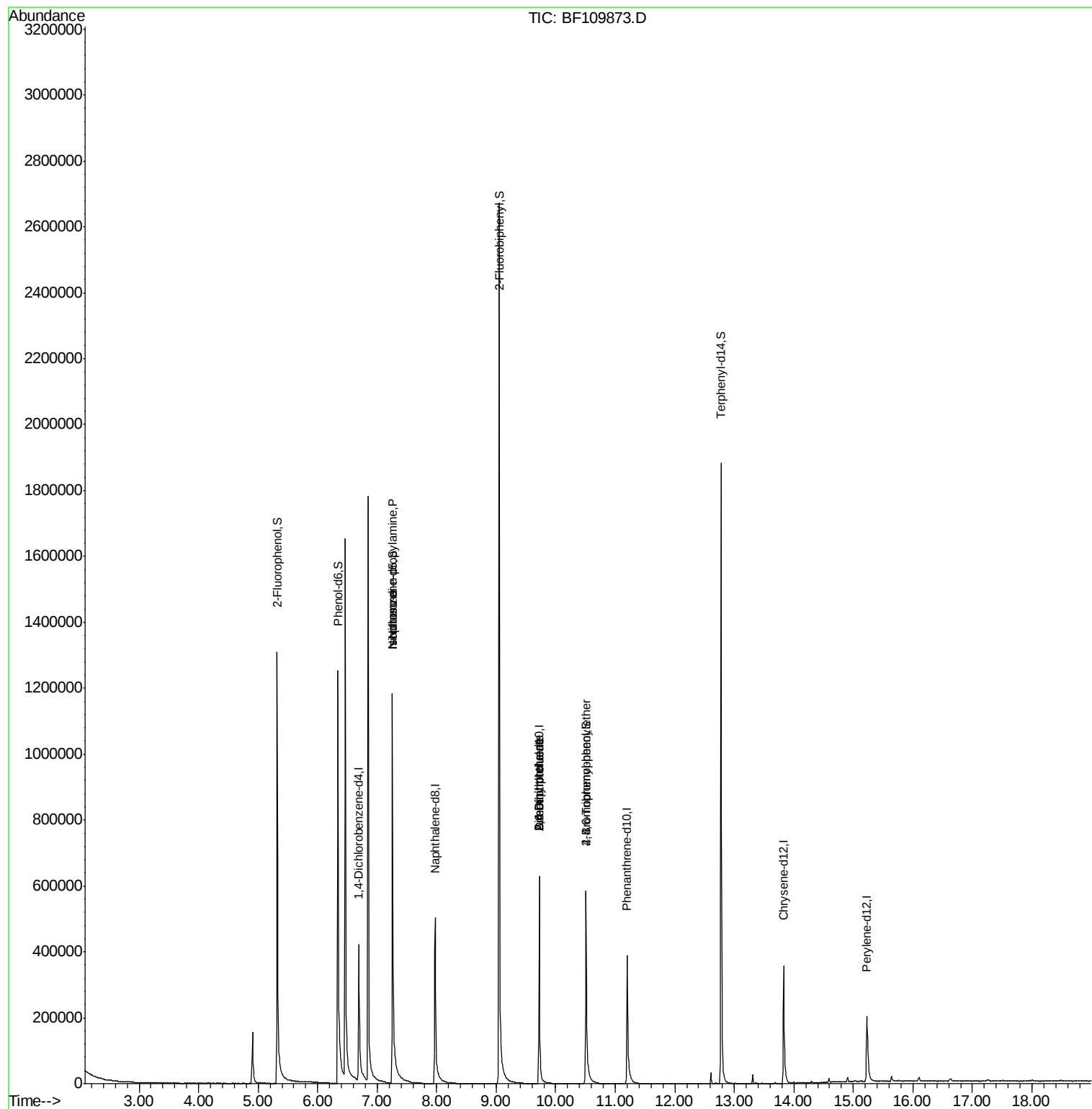
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	92789	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	376078	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	163119	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	261737	20.00	ng	0.00
75) Chrysene-d12	13.83	240	193707	20.00	ng	0.00
86) Perylene-d12	15.23	264	147352	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	453446	86.74	ng	0.00
7) Phenol-d6	6.34	99	628802	90.04	ng	-0.02
23) Nitrobenzene-d5	7.26	82	600273	87.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	116480	65.54	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1062724	89.73	ng	0.00
78) Terphenyl-d14	12.78	244	740651	74.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	77696	15.865	ng	# 78
25) Isophorone	7.26	82	600271	52.985	ng	# 67
49) Dimethylphthalate	9.72	163	37924	3.170	ng	# 1
50) 2,6-Dinitrotoluene	9.72	165	19670	7.585	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	19782	6.113	ng	# 17
66) 4-Bromophenyl-phenylether	10.50	248	6561	2.182	ng	# 1

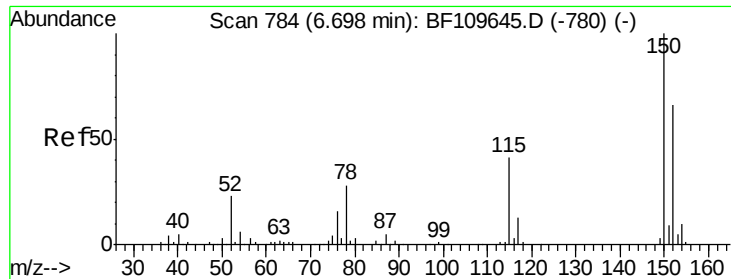
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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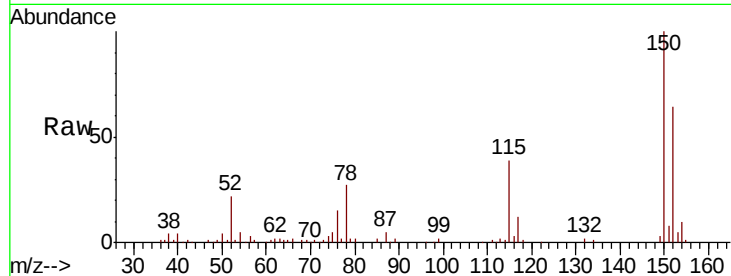


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF109873.D
 Acq: 13 Oct 2018 9:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.7	184.1
115	61.1	49.1	73.7

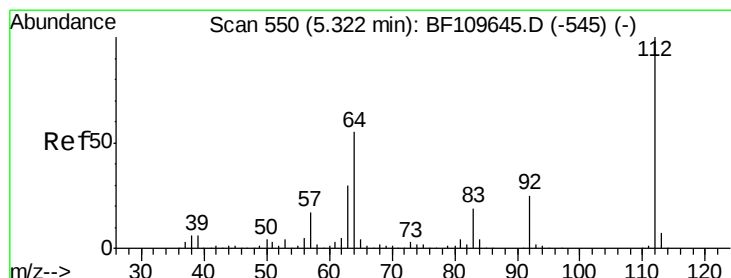
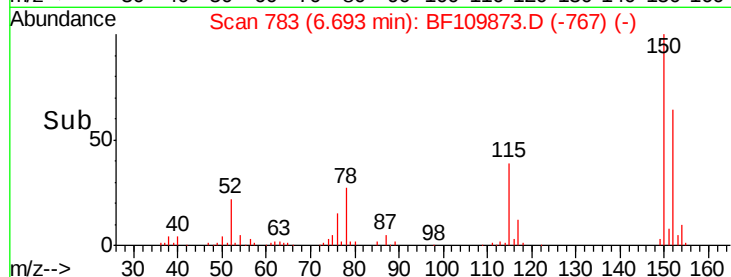
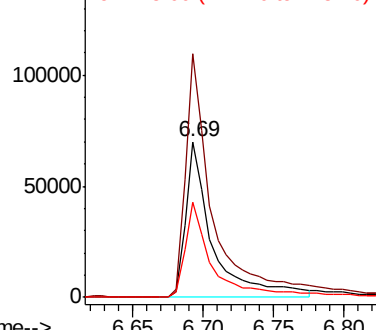


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

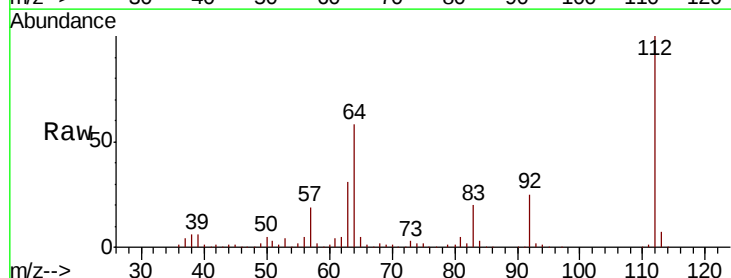
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 86.743 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF109873.D
 Acq: 13 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	31.4	23.7	35.5

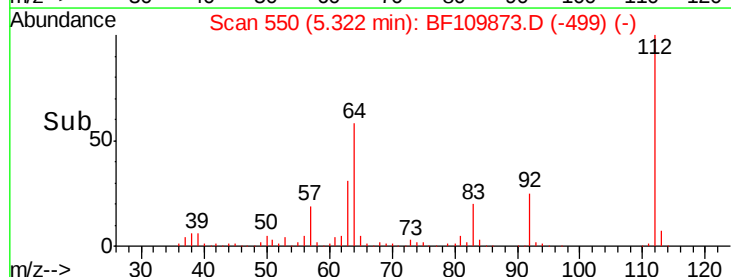
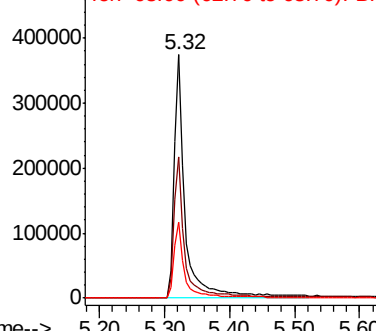


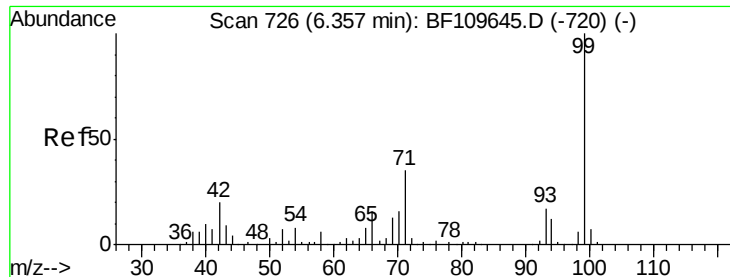
Abundance

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: 90.044 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

Instrument :

BNA_F

ClientSampled :

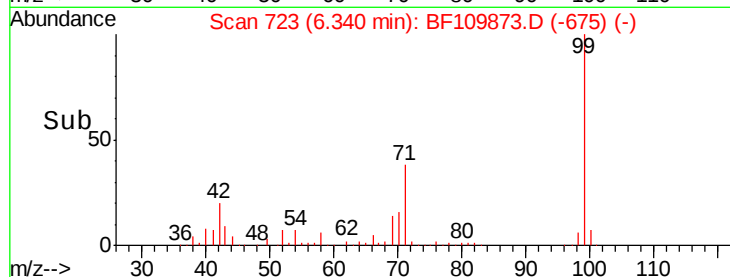
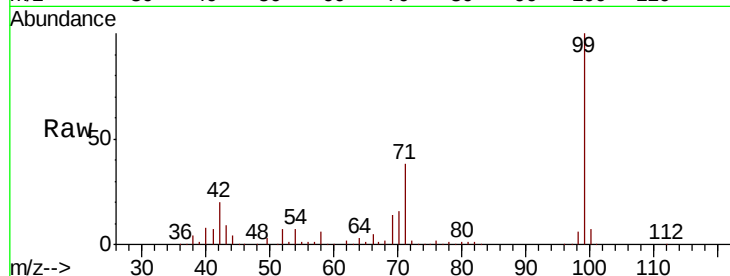
Tot Ion: 99 Resp: 628802

Ion Ratio Lower Upper

99 100

42 19.8 15.8 23.6

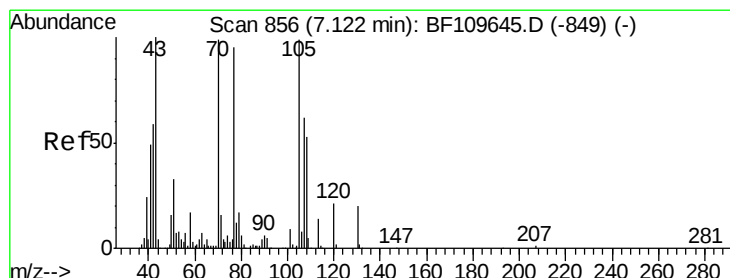
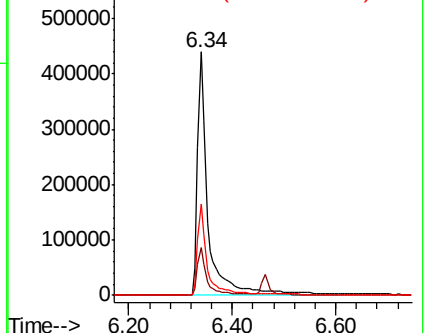
71 37.6 28.0 42.0



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: 15.865 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

Tgt Ion: 70 Resp: 77696

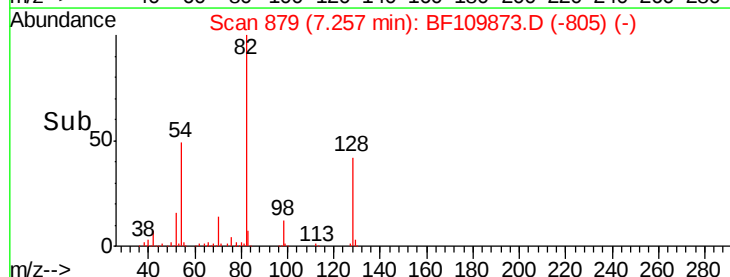
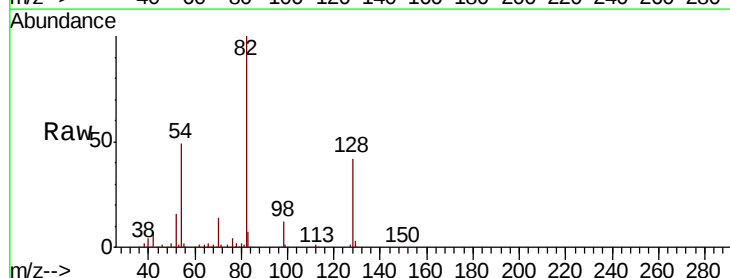
Ion Ratio Lower Upper

70 100

42 47.2 47.4 71.2#

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#

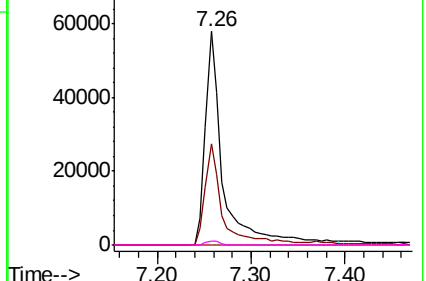


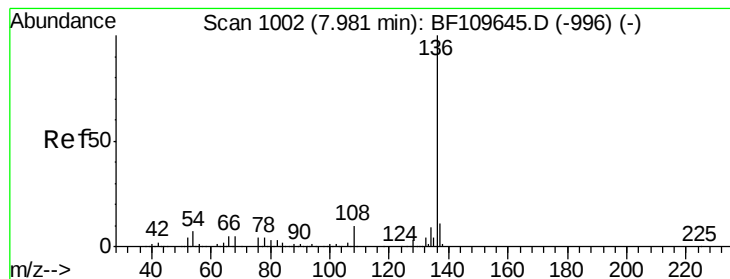
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 376078

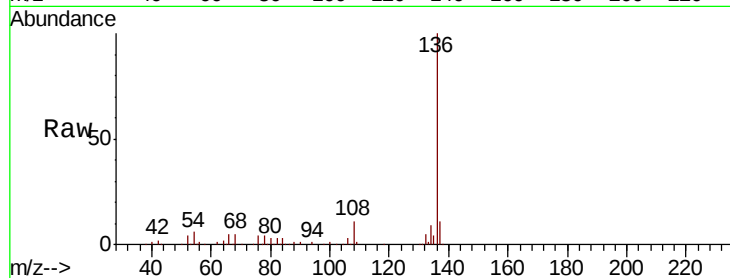
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.5 5.4 8.2

68 4.8 4.2 6.2

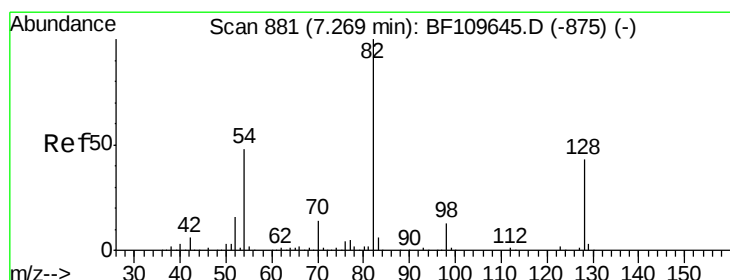
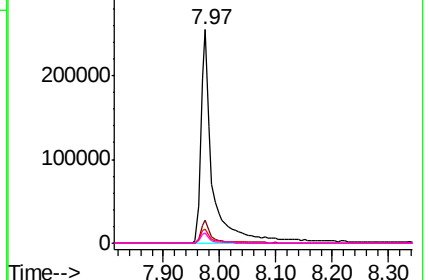
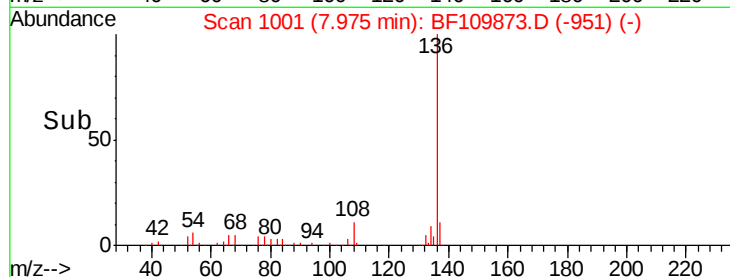


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.985 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

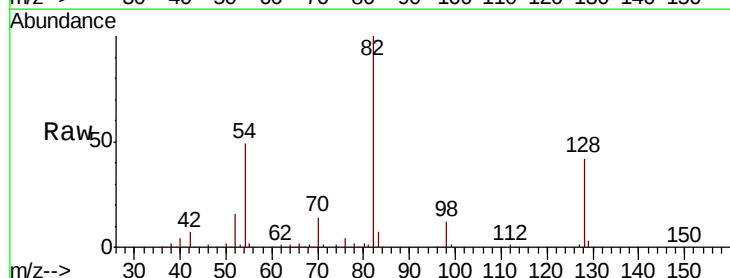
Tgt Ion: 82 Resp: 600273

Ion Ratio Lower Upper

82 100

128 41.7 34.2 51.2

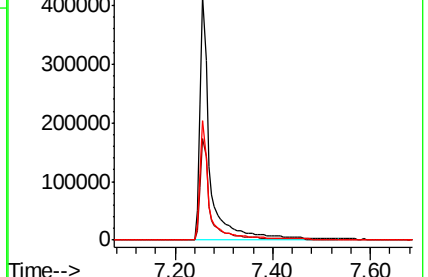
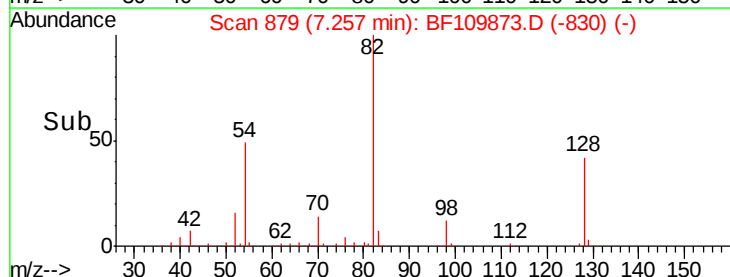
54 49.0 38.6 58.0

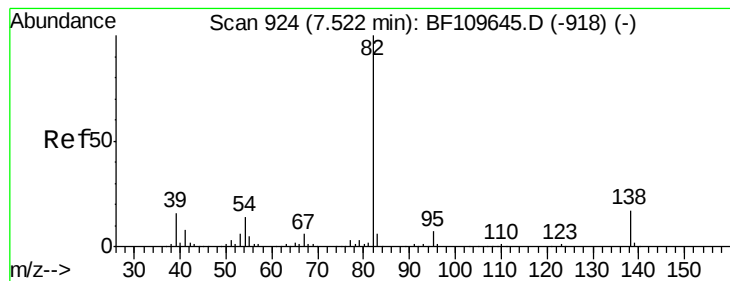


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 52.985 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

Instrument :

BNA_F

ClientSampleId :

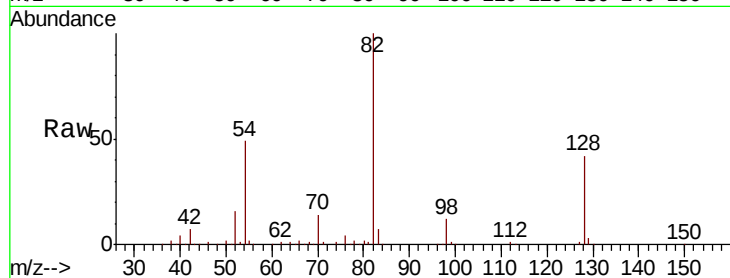
Tot Ion: 82 Resp: 600271

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

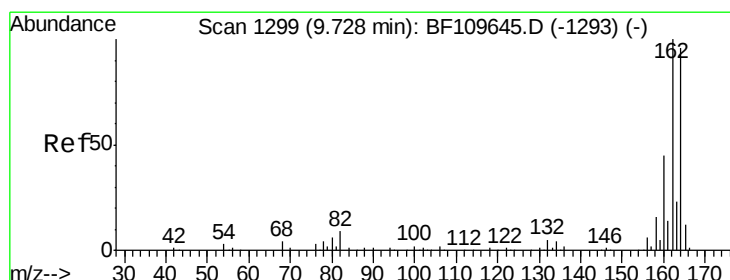
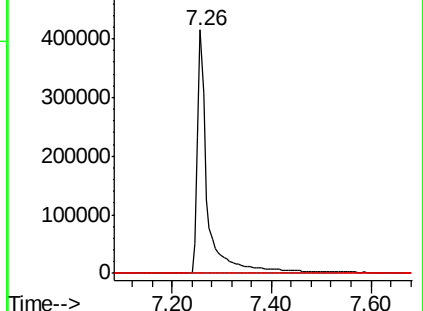
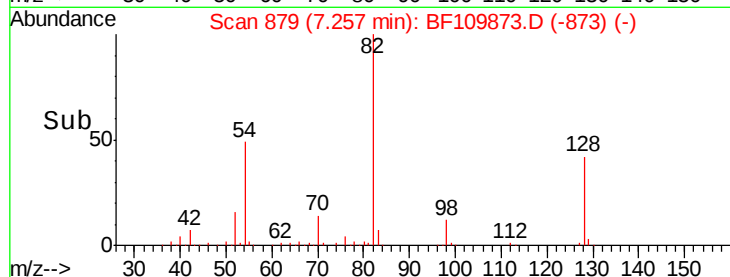
138 0.0 13.2 19.8#



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

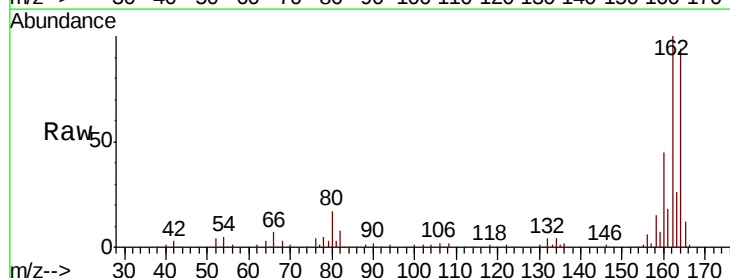
Tgt Ion: 164 Resp: 163119

Ion Ratio Lower Upper

164 100

162 105.9 83.0 124.6

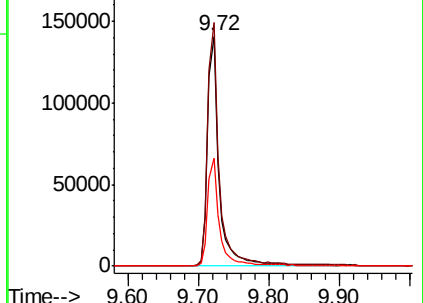
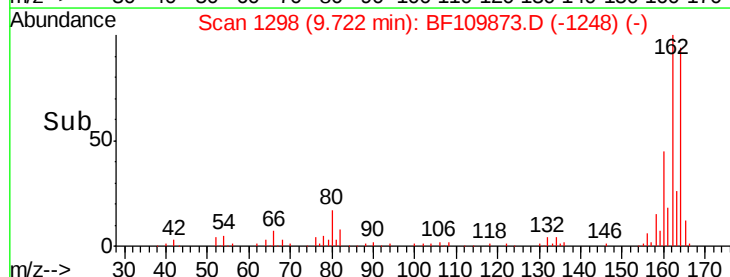
160 47.2 37.0 55.6

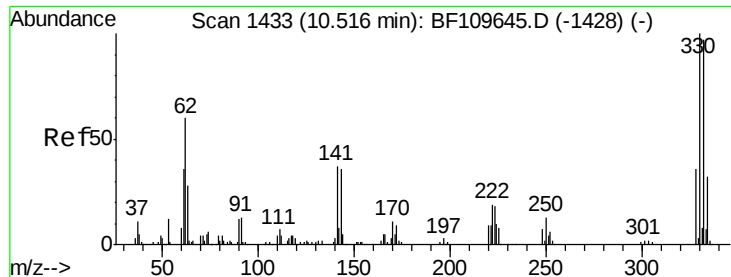


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

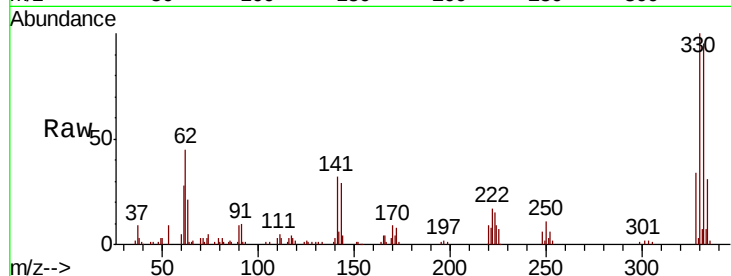




#41
 2,4,6-Tribromophenol
 Concen: 65.535 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109873.D
 Acq: 13 Oct 2018 9:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	Resp	116480
Ion Ratio	100	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	35.0	27.0	40.4

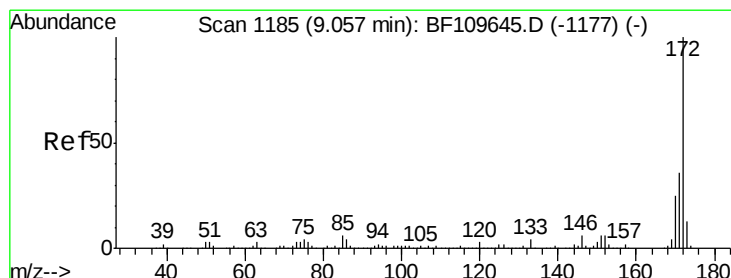
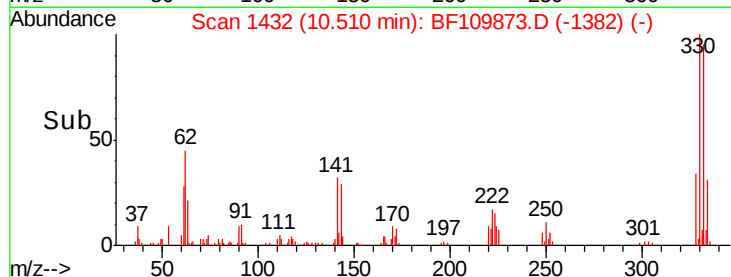
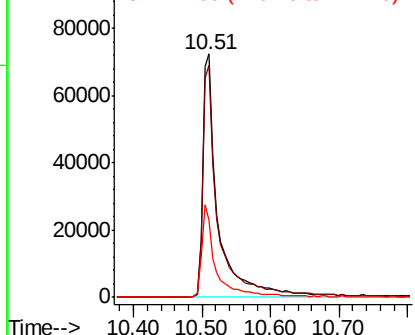


Abundance

Ion 329.80 (329.50 to 330.50): E

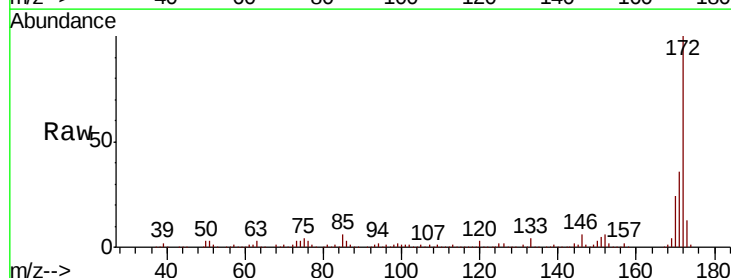
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 89.728 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109873.D
 Acq: 13 Oct 2018 9:37

Tgt Ion	172	Resp	1062724
Ion Ratio	100	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.0	19.7	29.5

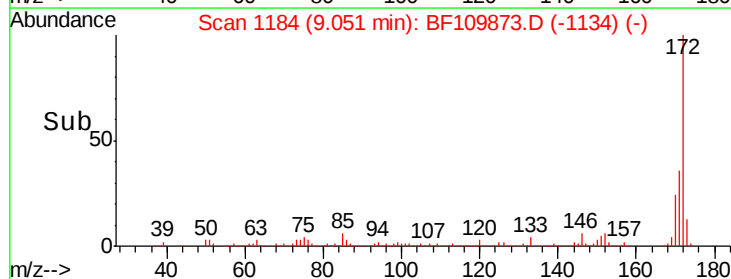
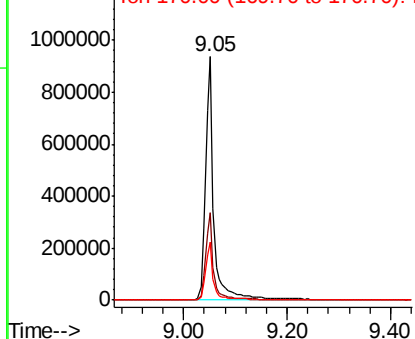


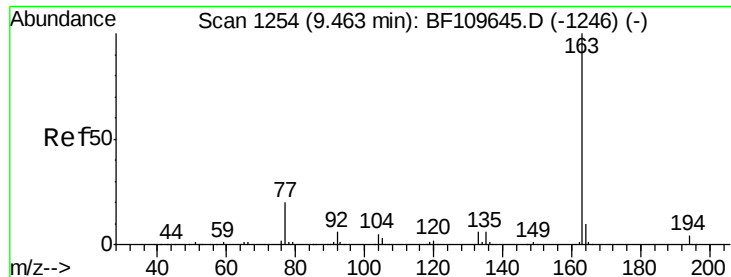
Abundance

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

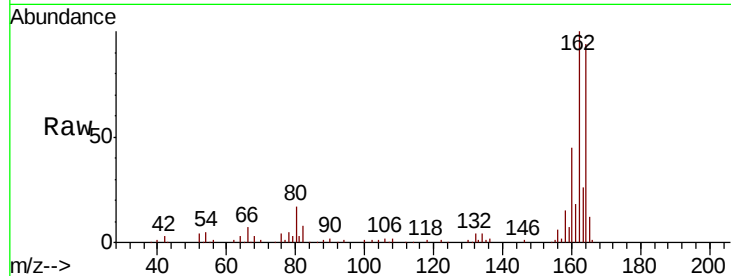




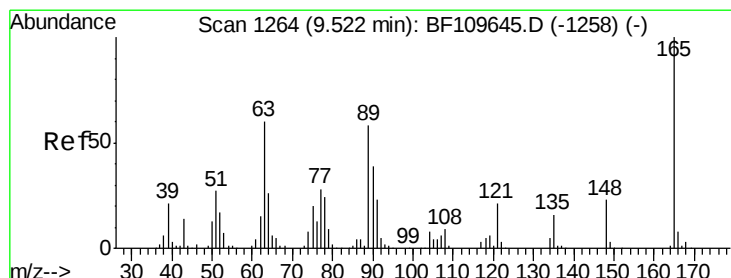
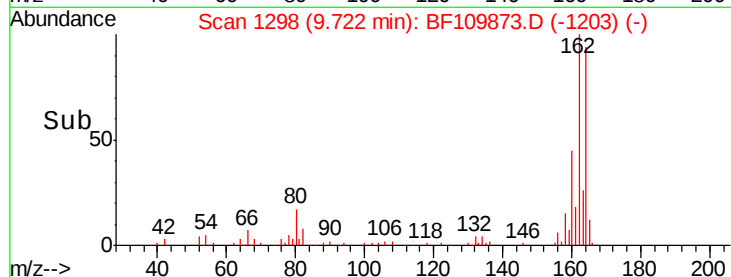
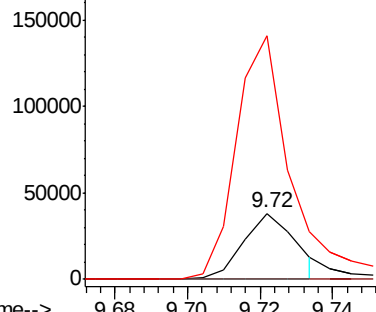
#49
Dimethylphthalate
Concen: 3.170 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.26 min
Lab File: BF109873.D
Acq: 13 Oct 2018 9:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 37924
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 368.5 8.1 12.1#

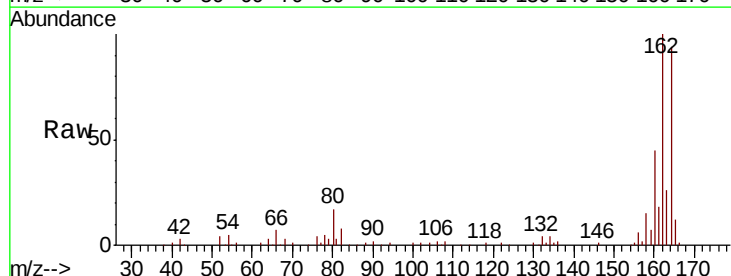


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

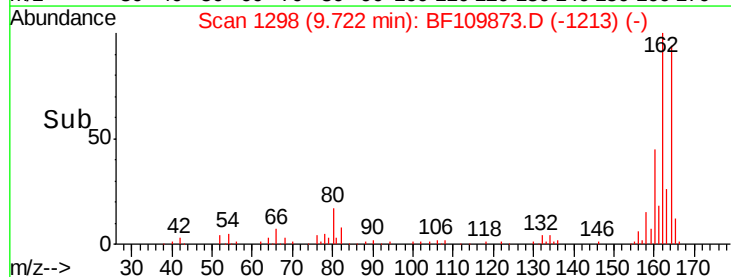
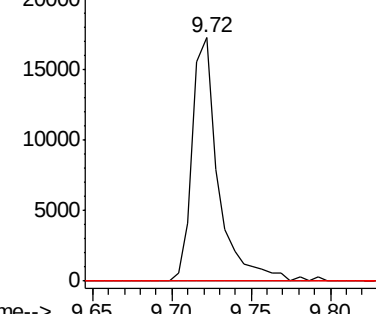


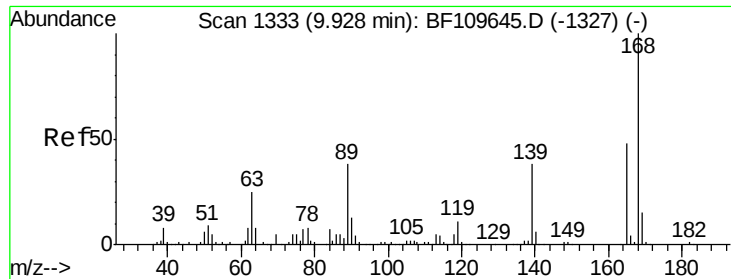
#50
2,6-Dinitrotoluene
Concen: 7.585 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109873.D
Acq: 13 Oct 2018 9:37

Tgt Ion:165 Resp: 19670
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 0.0 46.6 69.8#



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

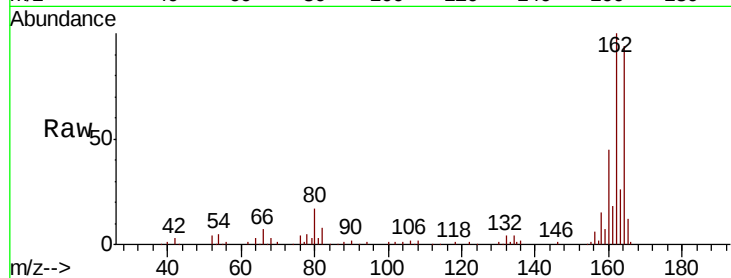




#56
 2,4-Dinitrotoluene
 Concen: 6.113 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109873.D
 Acq: 13 Oct 2018 9:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



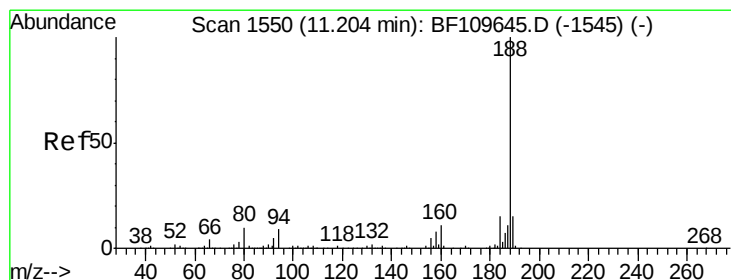
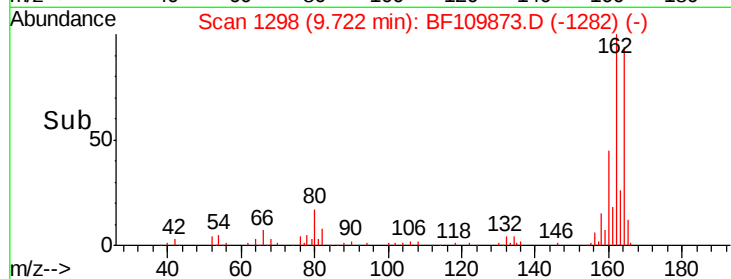
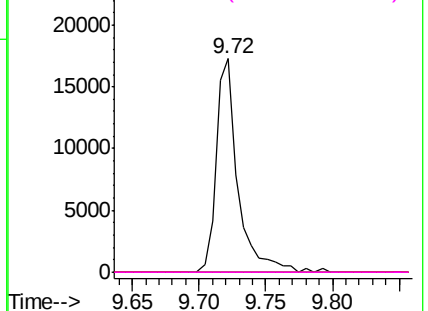
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

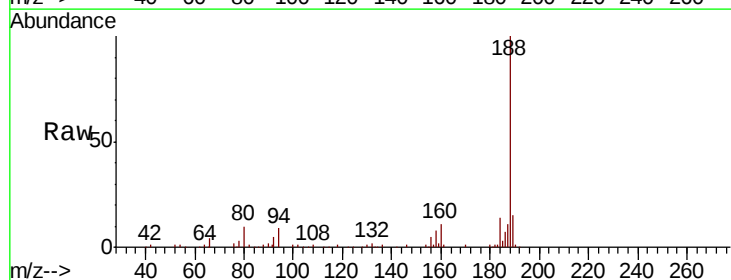
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109873.D
 Acq: 13 Oct 2018 9:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.2	10.8
80	9.8	7.9	11.9

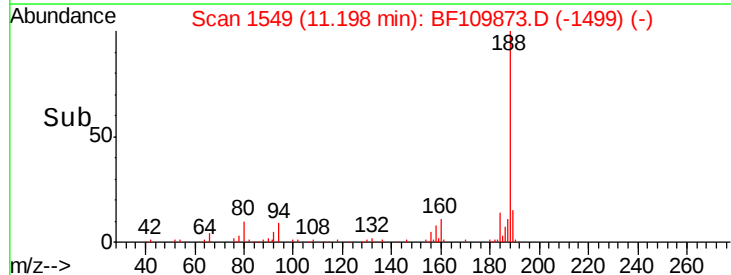
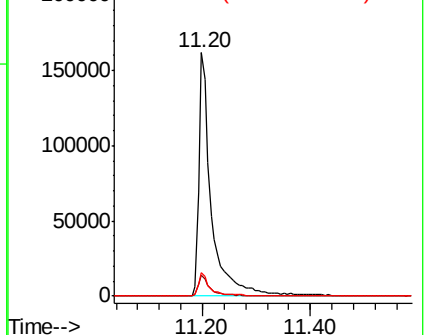


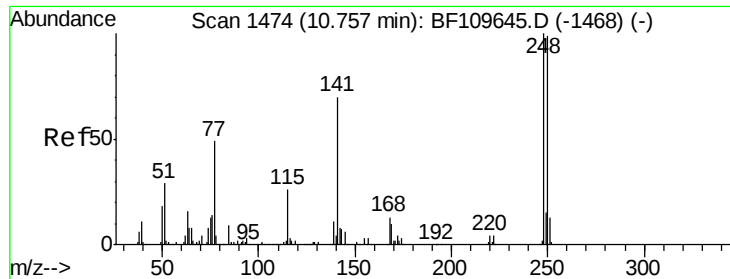
Abundance

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

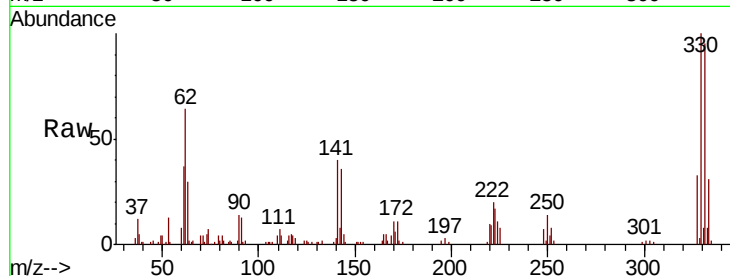




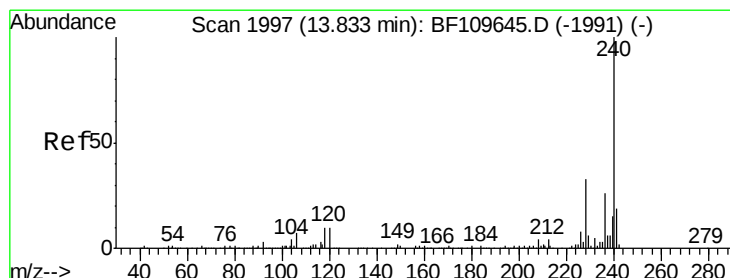
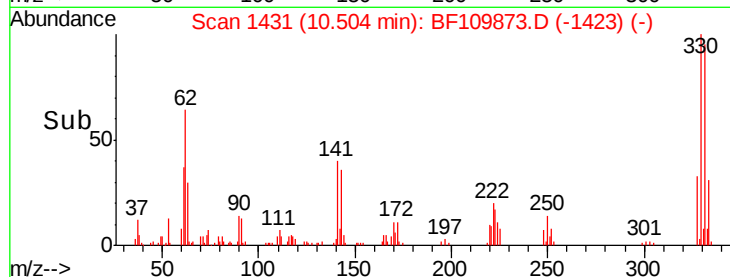
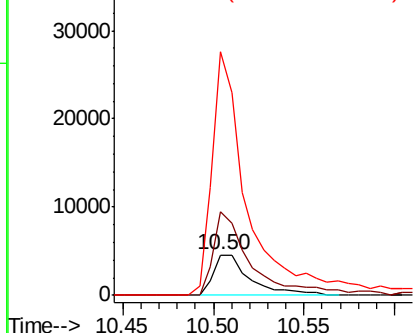
#66
4-Bromophenyl-phenylether
Concen: 2.182 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF109873.D
Acq: 13 Oct 2018 9:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6561
Ion Ratio Lower Upper
248 100
250 206.5 79.4 119.2#
141 599.0 55.9 83.9#

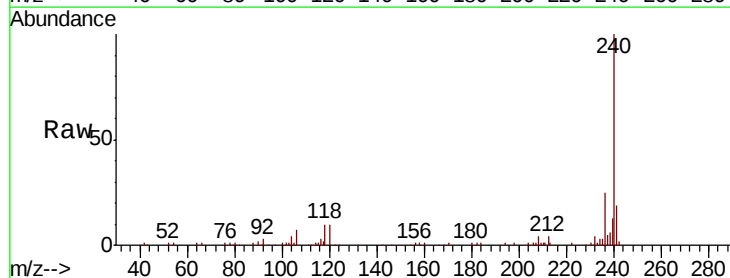


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

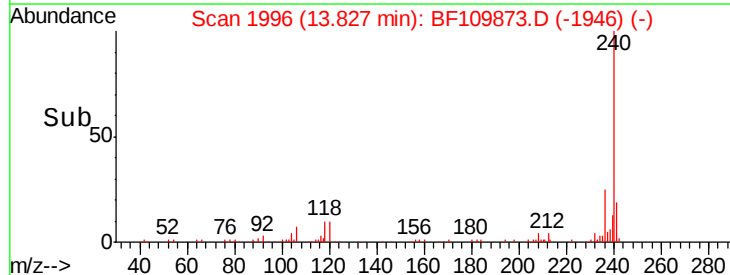
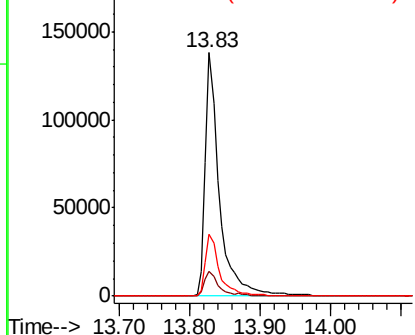


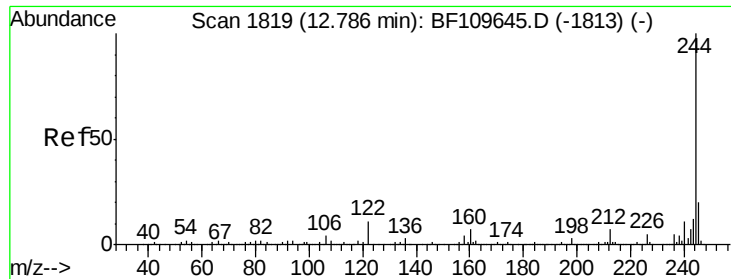
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109873.D
Acq: 13 Oct 2018 9:37

Tgt Ion:240 Resp: 193707
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 25.2 21.2 31.8



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: 74.018 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

Instrument :

BNA_F

ClientSampleId :

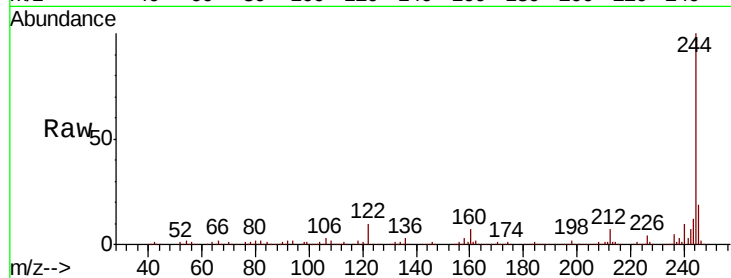
Tot Ion:244 Resp: 740651

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

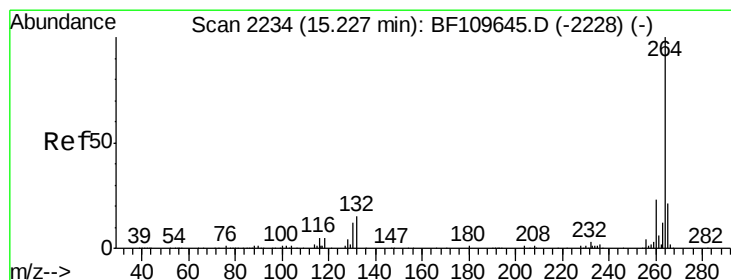
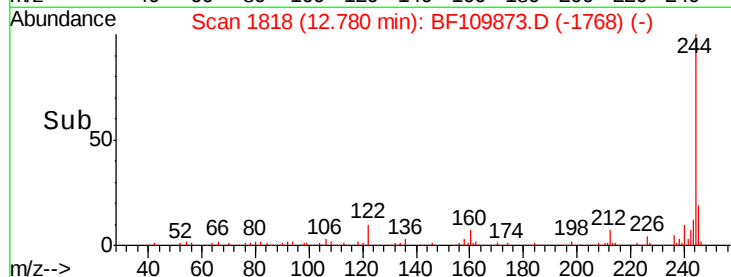
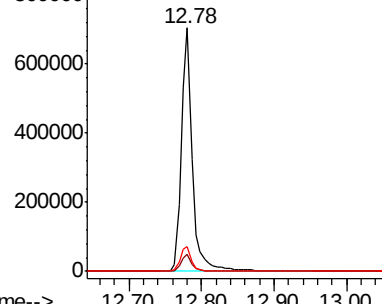
122 10.2 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF109873.D

Acq: 13 Oct 2018 9:37

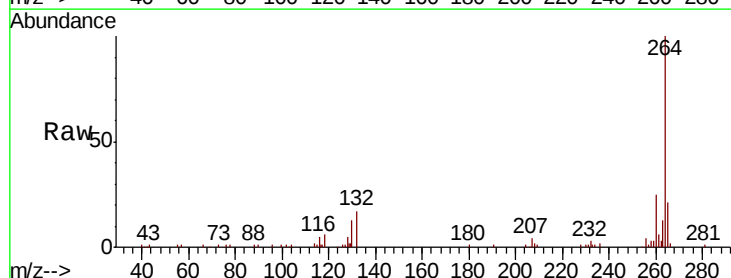
Tgt Ion:264 Resp: 147352

Ion Ratio Lower Upper

264 100

260 25.0 18.7 28.1

265 21.2 16.7 25.1



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

