

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109865.D
 Acq On : 13 Oct 2018 6:00
 Operator : JU/SJ
 Sample : J5444-08
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 01:22:45 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

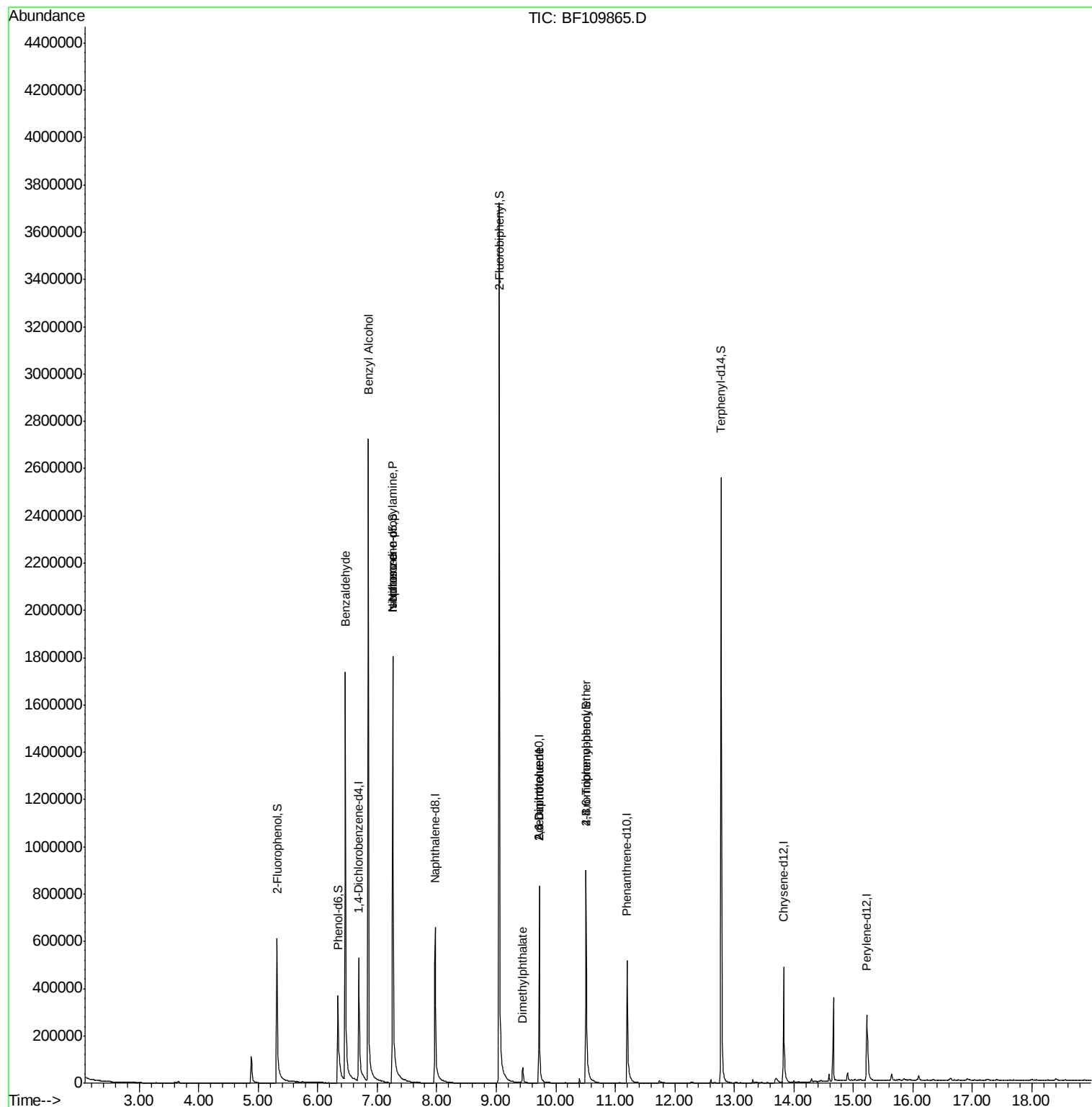
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	113571	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	451280	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	184701	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	301005	20.00	ng	0.00
75) Chrysene-d12	13.83	240	236063	20.00	ng	0.00
86) Perylene-d12	15.23	264	182970	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	263727	41.22	ng	0.00
7) Phenol-d6	6.34	99	245999	28.78	ng	-0.02
23) Nitrobenzene-d5	7.26	82	874097	106.77	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	165588	82.28	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1450705	108.17	ng	0.00
78) Terphenyl-d14	12.78	244	1001278	82.11	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	12994	2.362	ng	# 72
15) Benzyl Alcohol	6.85	79	14106	2.226	ng	# 54
19) n-Nitroso-di-n-propylamine	7.26	70	113529	18.940	ng	# 78
25) Isophorone	7.26	82	881789	64.863	ng	# 67
49) Dimethylphthalate	9.45	163	44088	3.255	ng	100
50) 2,6-Dinitrotoluene	9.72	165	23301	7.935	ng	# 23
56) 2,4-Dinitrotoluene	9.72	165	23302	6.359	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	8963	2.592	ng	# 1

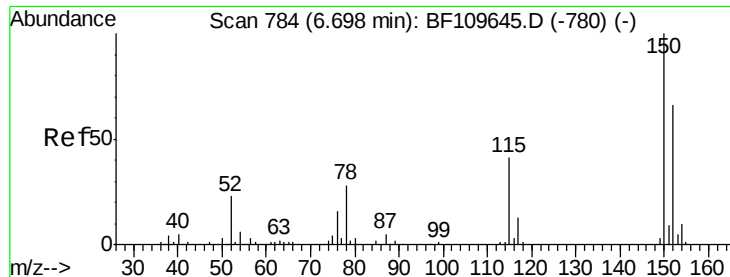
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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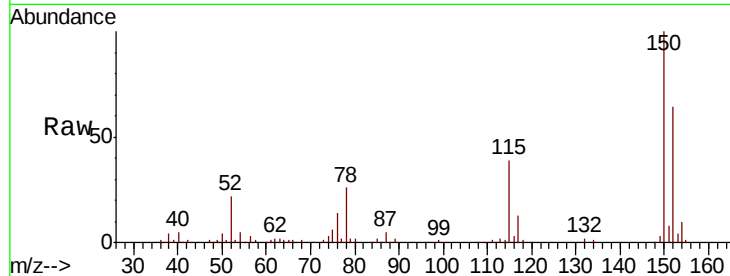


#1

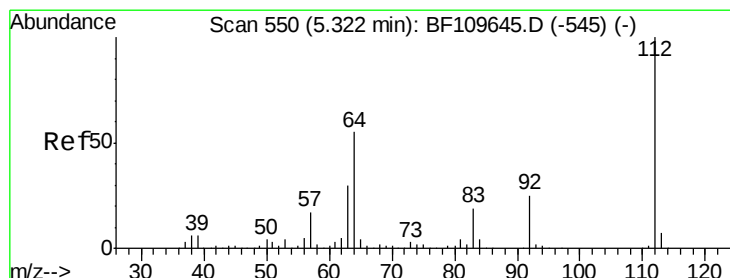
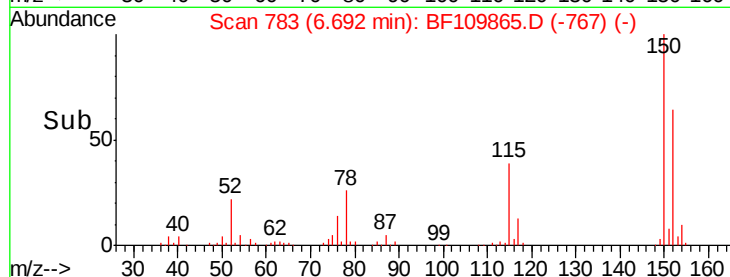
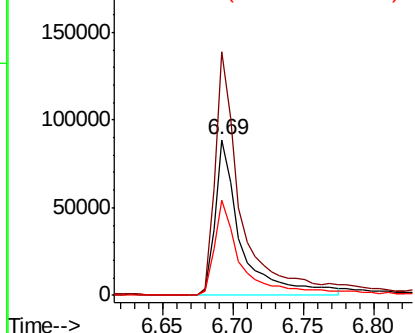
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113571
Ion Ratio Lower Upper
152 100
150 156.5 122.7 184.1
115 60.9 49.1 73.7



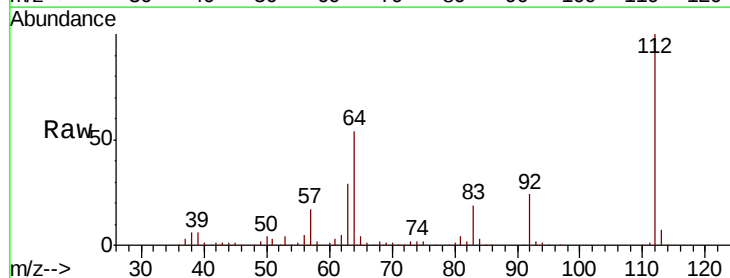
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



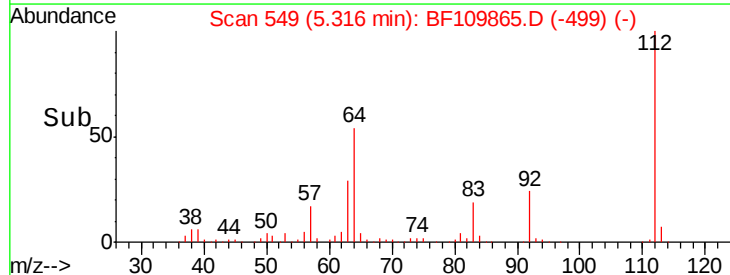
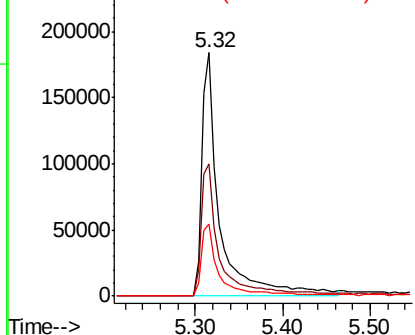
#5

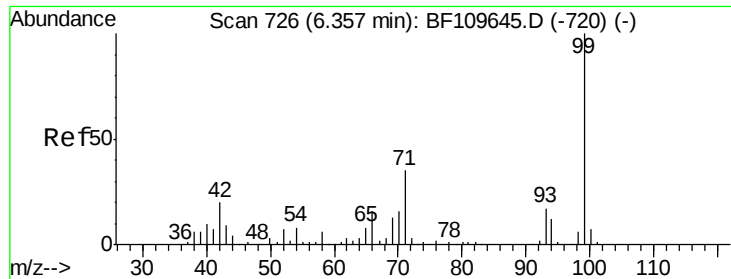
2-Fluorophenol
Concen: 41.219 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Tgt Ion:112 Resp: 263727
Ion Ratio Lower Upper
112 100
64 54.4 44.1 66.1
63 29.4 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: 28.781 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

Instrument :

BNA_F

ClientSampleId :

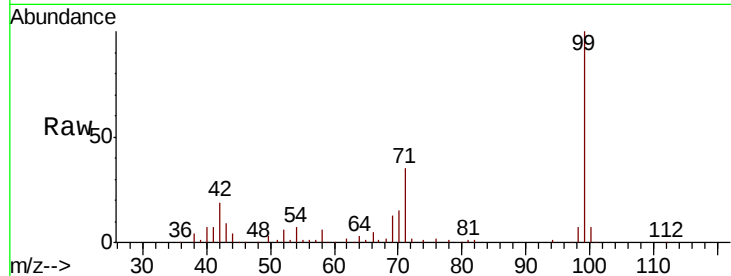
Tot Ion: 99 Resp: 245999

Ion Ratio Lower Upper

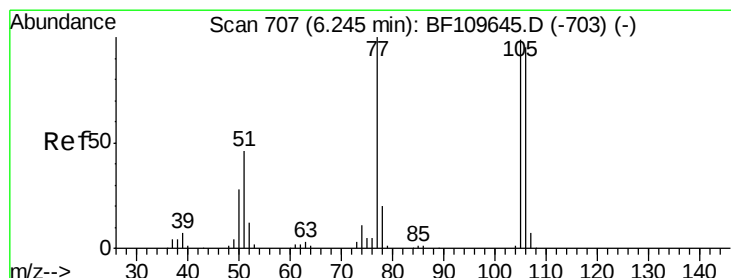
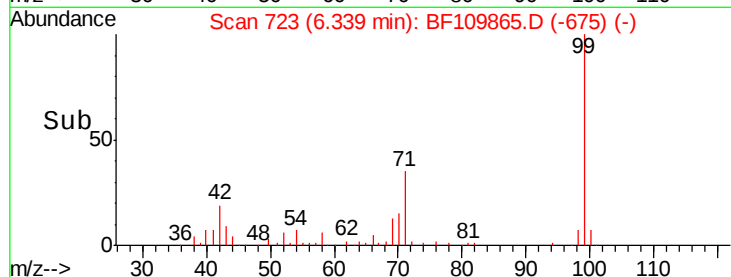
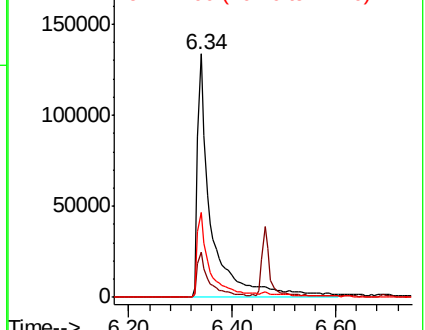
99 100

42 18.6 15.8 23.6

71 34.6 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



#9

Benzaldehyde

Concen: 2.362 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

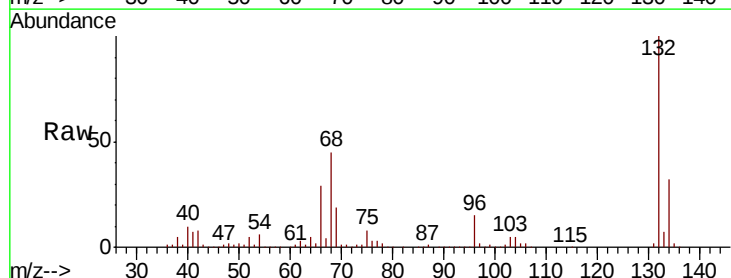
Tgt Ion: 77 Resp: 12994

Ion Ratio Lower Upper

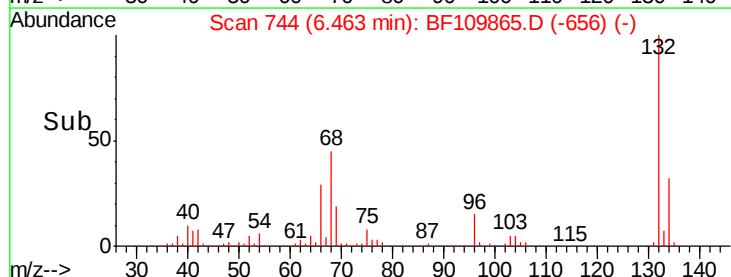
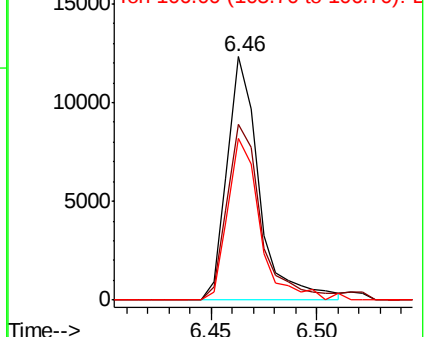
77 100

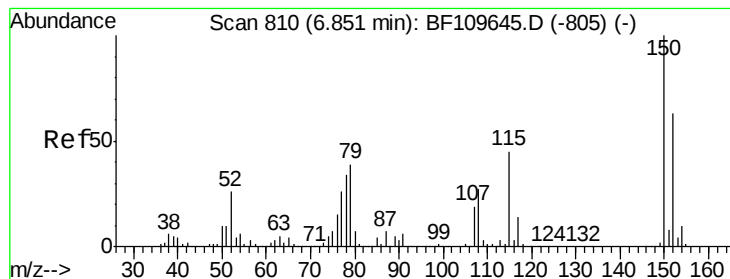
105 72.4 78.6 118.6#

106 66.3 74.8 114.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.226 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

Instrument :

BNA_F

ClientSampleId :

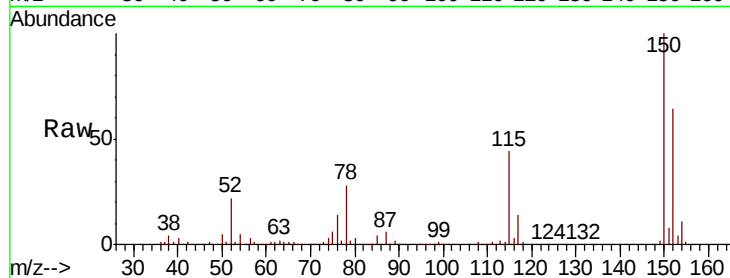
Tot Ion: 79 Resp: 14106

Ion Ratio Lower Upper

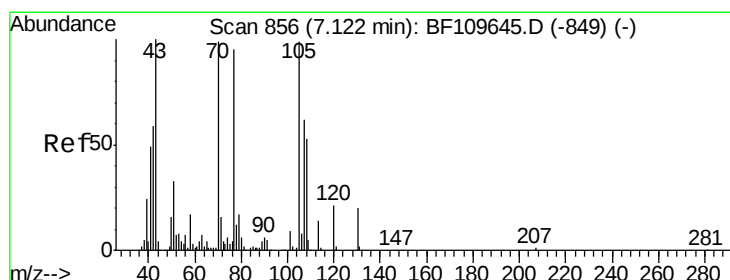
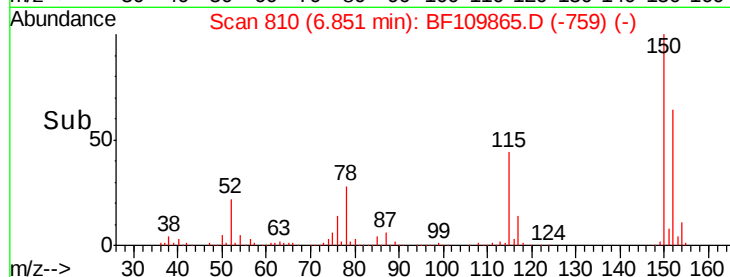
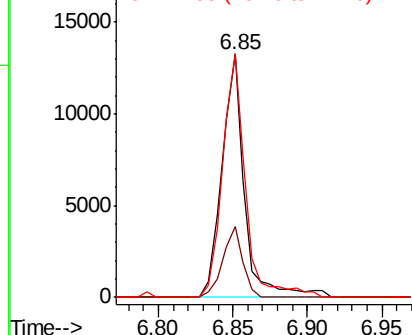
79 100

108 29.2 56.3 84.5#

77 99.9 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 18.940 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

Tgt Ion: 70 Resp: 113529

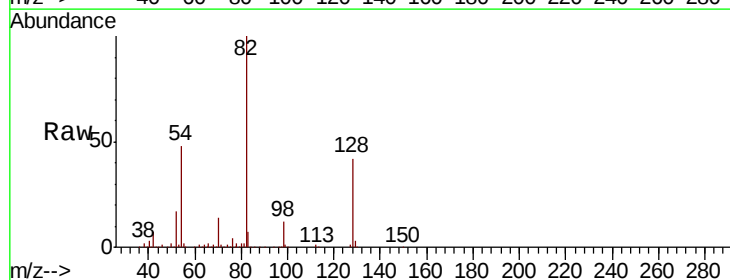
Ion Ratio Lower Upper

70 100

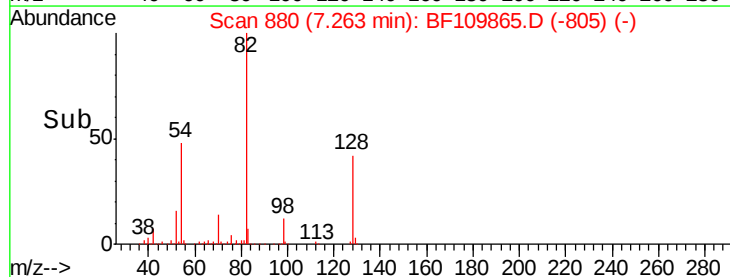
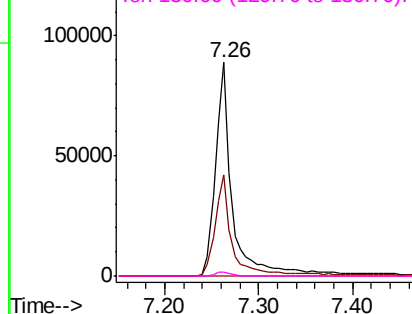
42 47.4 47.4 71.2#

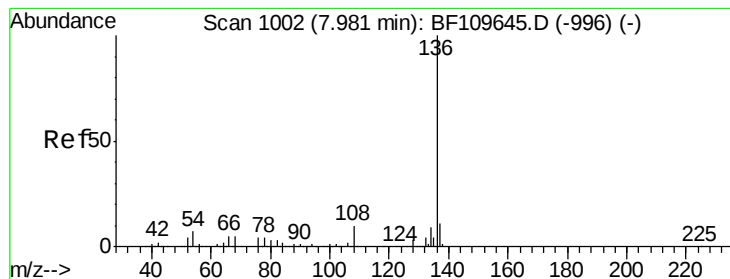
101 0.0 7.3 10.9#

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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 451280

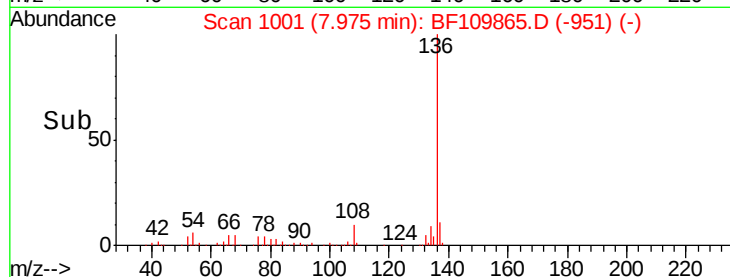
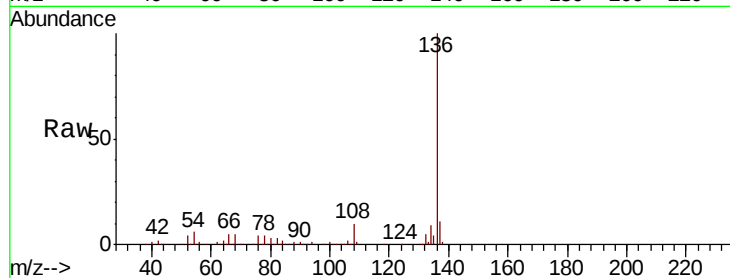
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.4 5.4 8.2

68 5.0 4.2 6.2

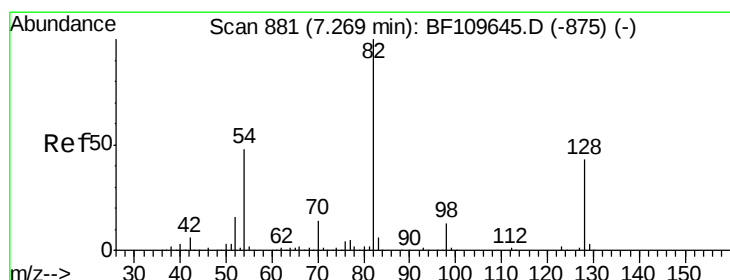
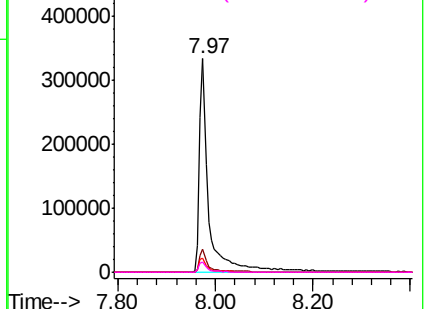


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.770 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

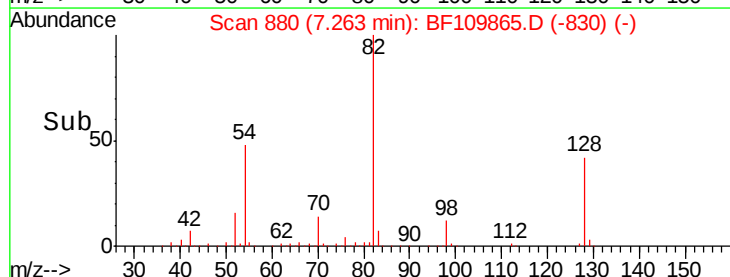
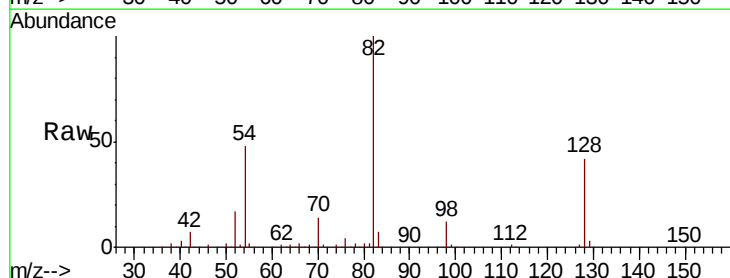
Tgt Ion: 82 Resp: 874097

Ion Ratio Lower Upper

82 100

128 42.2 34.2 51.2

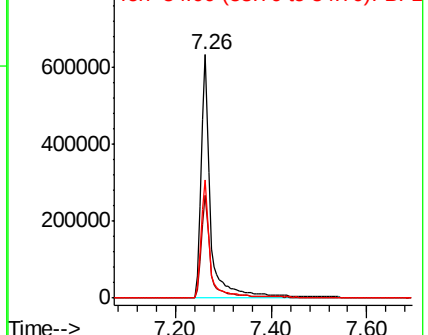
54 48.3 38.6 58.0

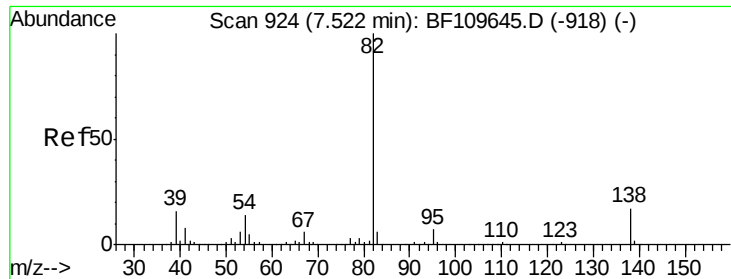


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 64.863 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

Instrument :

BNA_F

ClientSampleId :

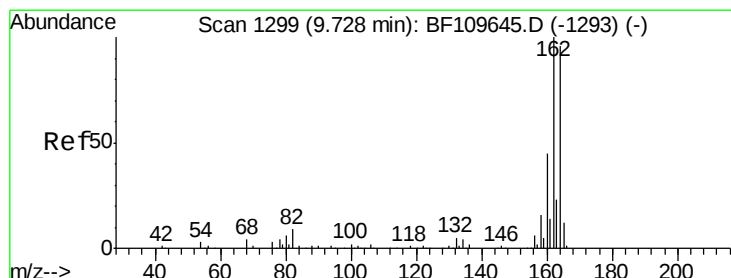
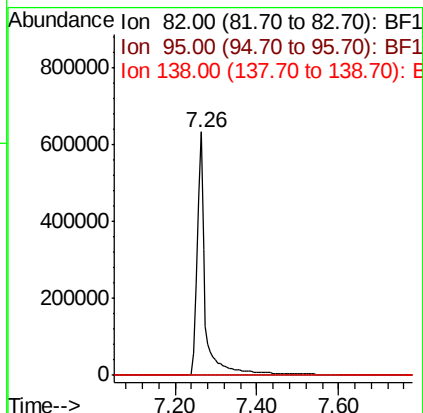
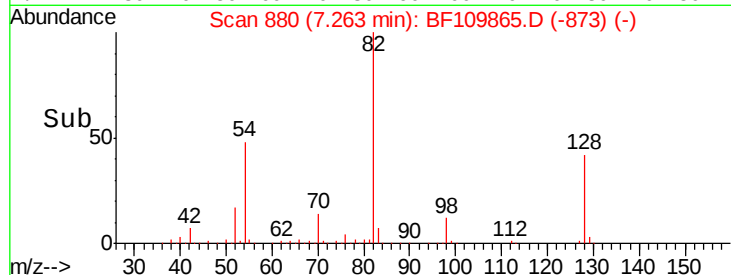
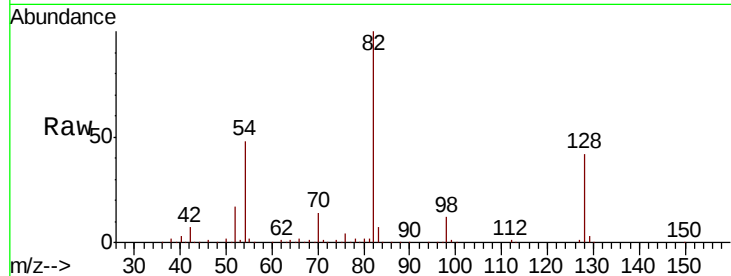
Tot Ion: 82 Resp: 881789

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109865.D

Acq: 13 Oct 2018 6:00

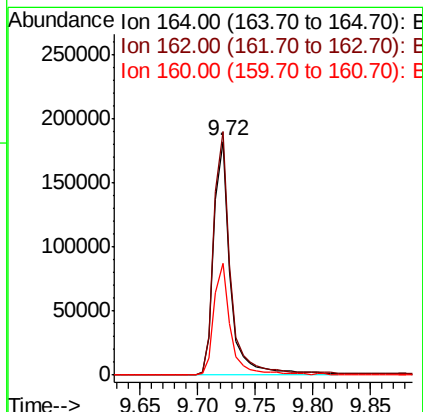
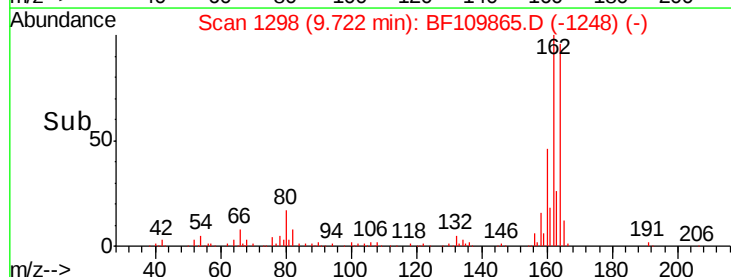
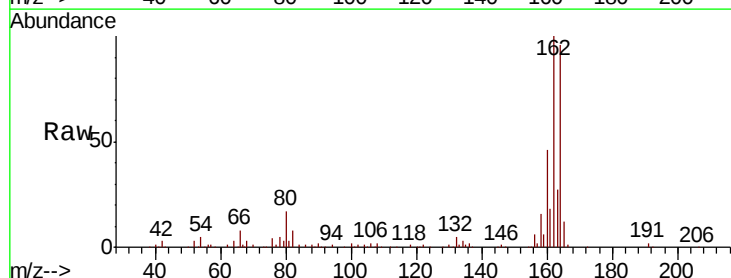
Tgt Ion:164 Resp: 184701

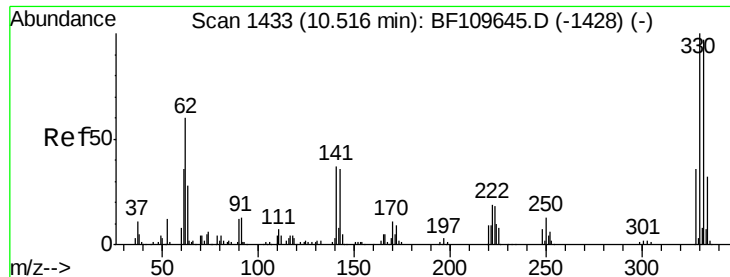
Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.6

160 47.8 37.0 55.6

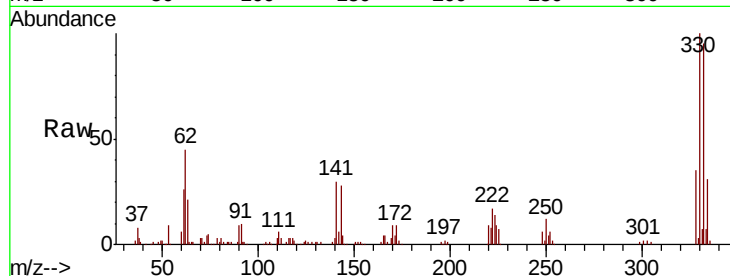




#41
 2,4,6-Tribromophenol
 Concen: 82.279 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109865.D
 Acq: 13 Oct 2018 6:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	33.9	27.0	40.4

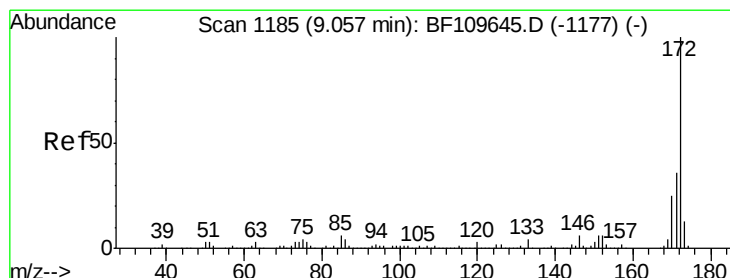
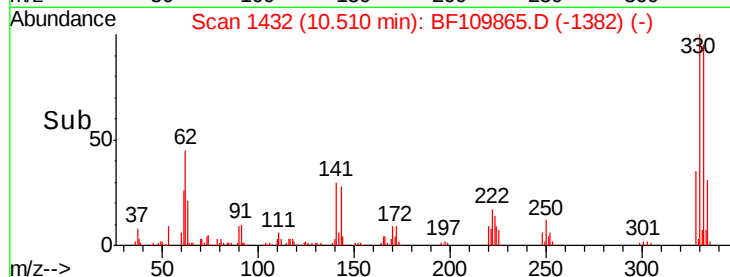
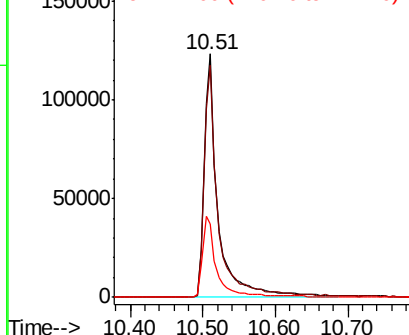


Abundance

Ion 329.80 (329.50 to 330.50): E

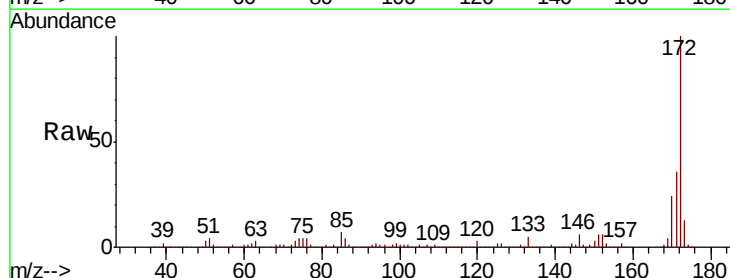
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 108.174 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109865.D
 Acq: 13 Oct 2018 6:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.4	19.7	29.5

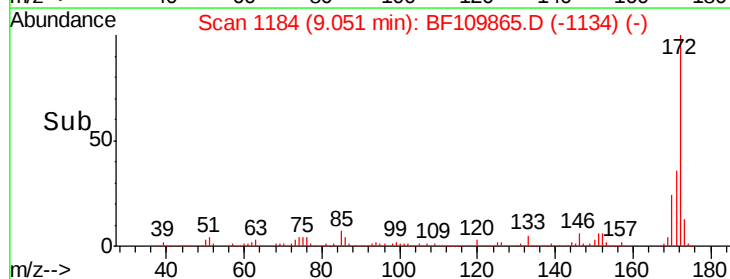
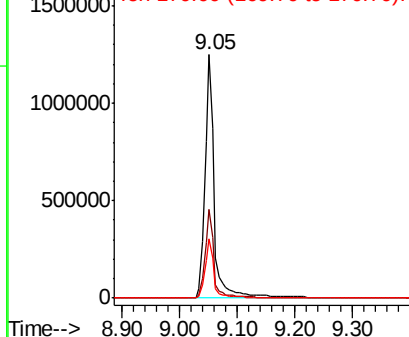


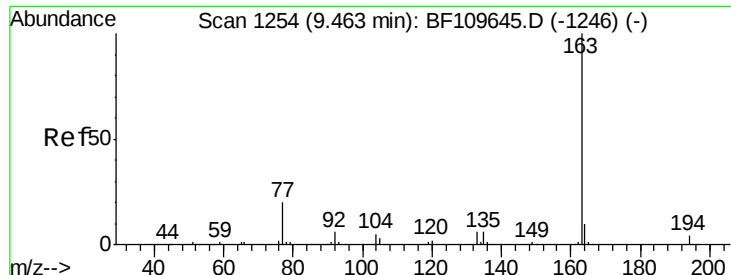
Abundance

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

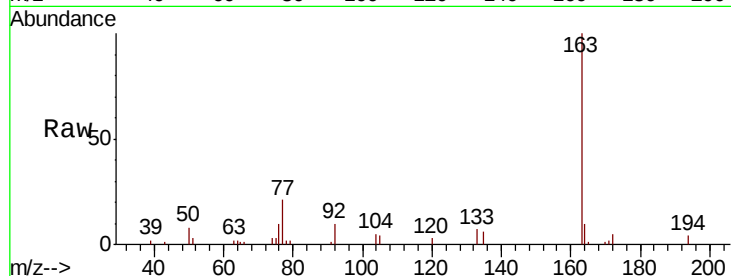




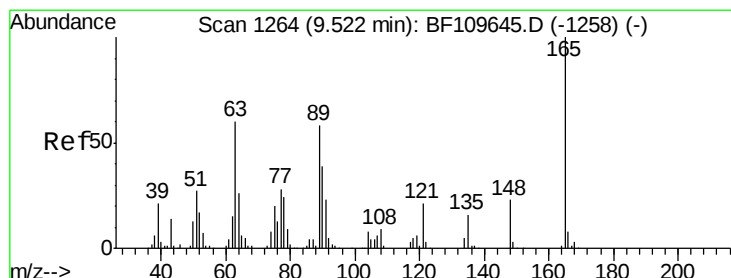
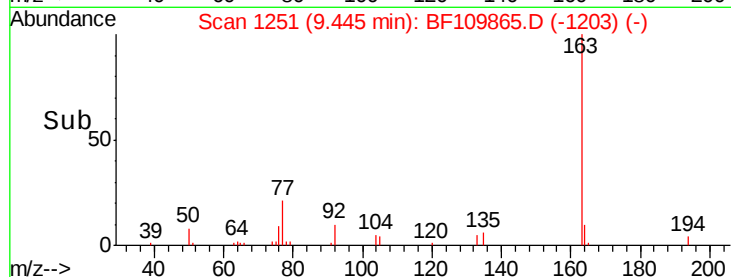
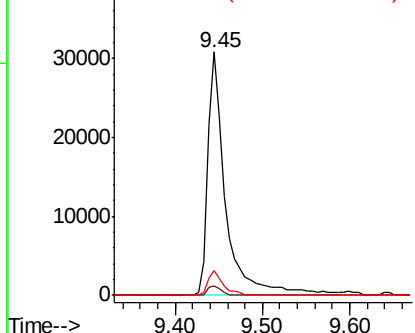
#49
Dimethylphthalate
Concen: 3.255 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 44088
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.0 8.1 12.1

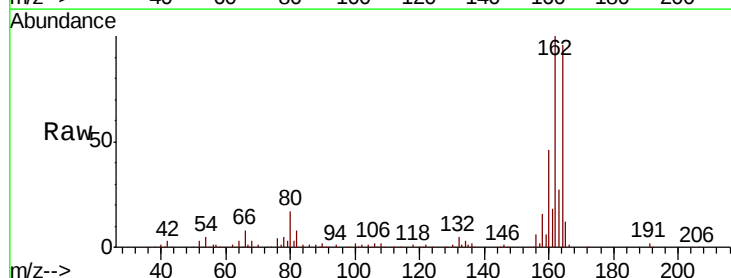


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

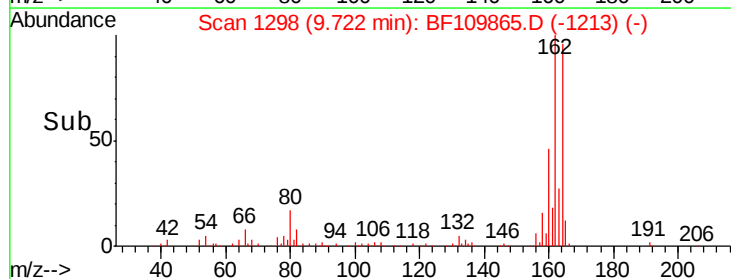
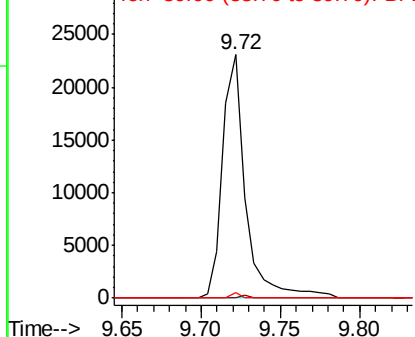


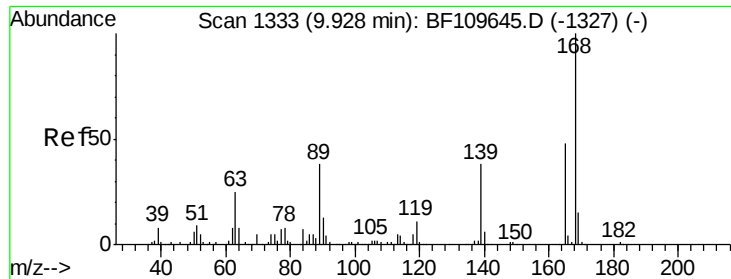
#50
2,6-Dinitrotoluene
Concen: 7.935 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Tgt Ion:165 Resp: 23301
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 2.5 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

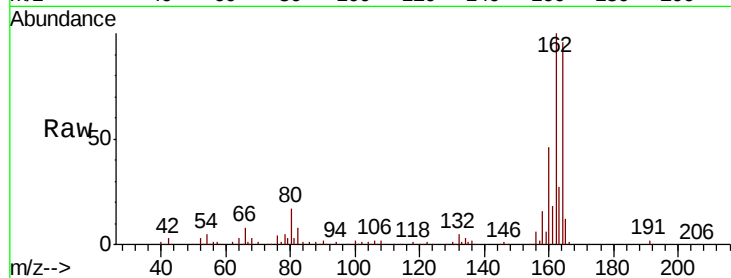




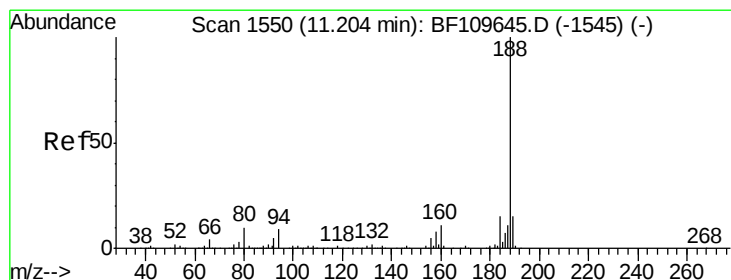
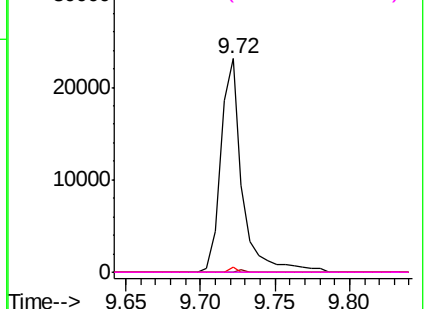
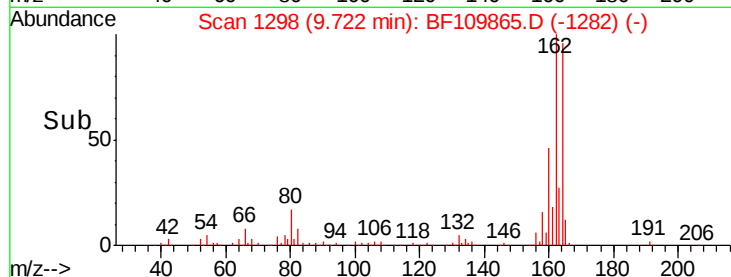
#56
2,4-Dinitrotoluene
Concen: 6.359 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.5	62.2	93.4#
182	0.0	2.1	3.1#

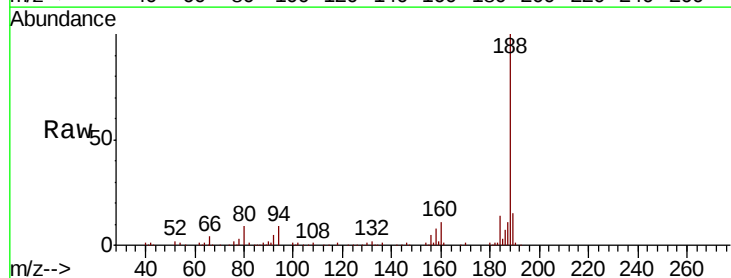


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

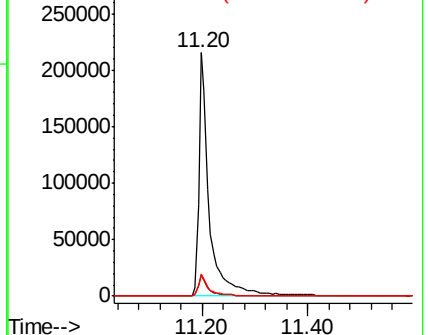
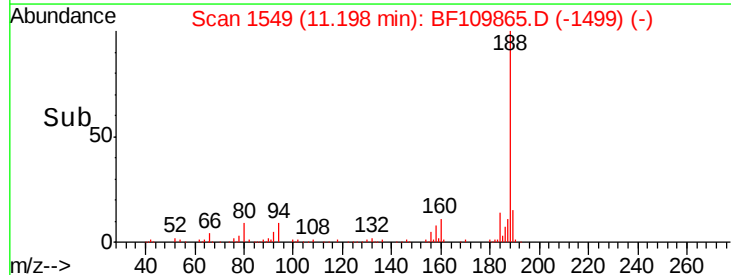


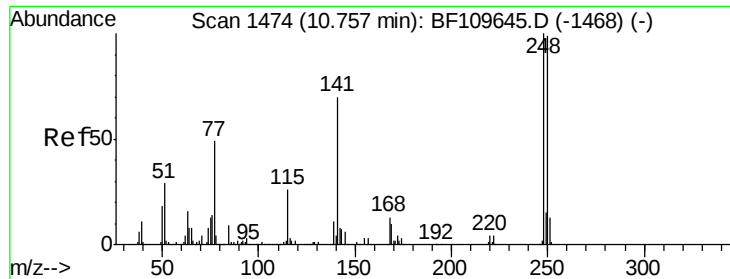
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.3	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

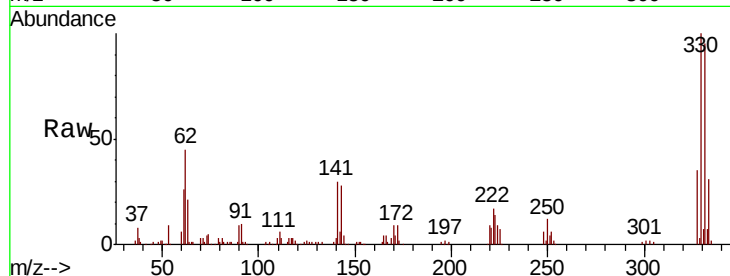




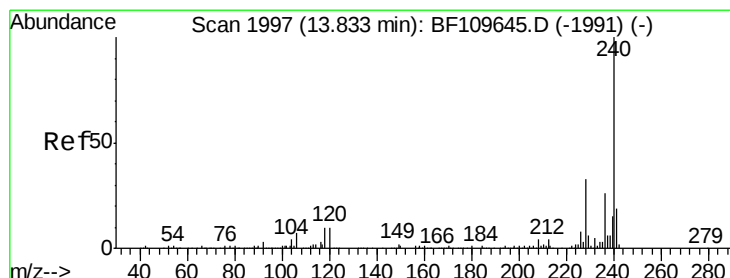
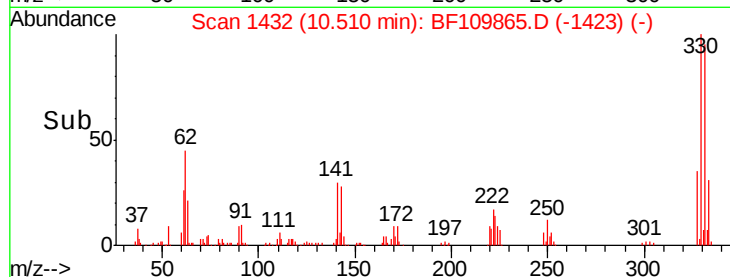
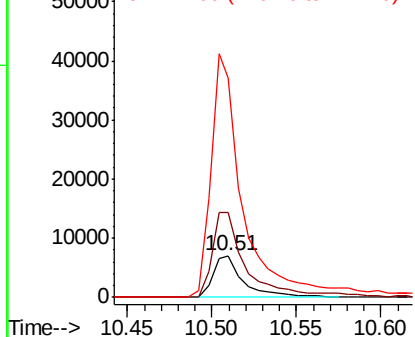
#66
4-Bromophenyl-phenylether
Concen: 2.592 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 8963
Ion Ratio Lower Upper
248 100
250 205.7 79.4 119.2#
141 528.0 55.9 83.9#

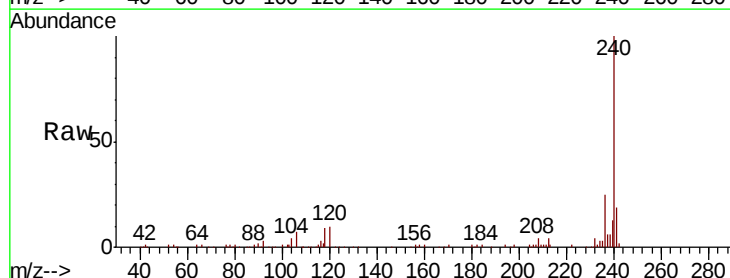


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

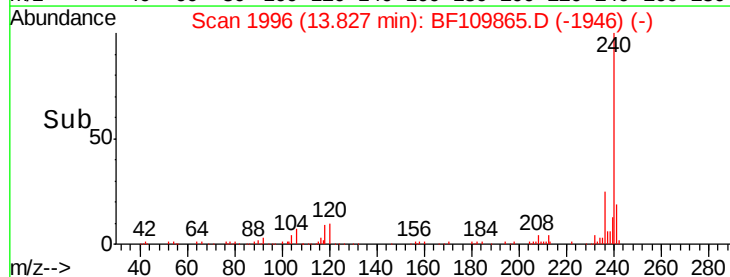
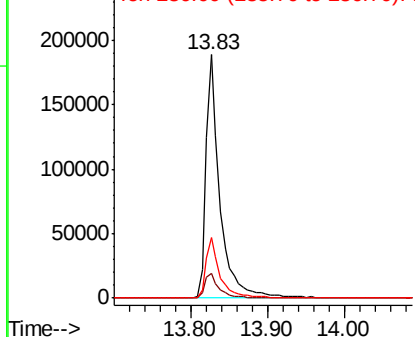


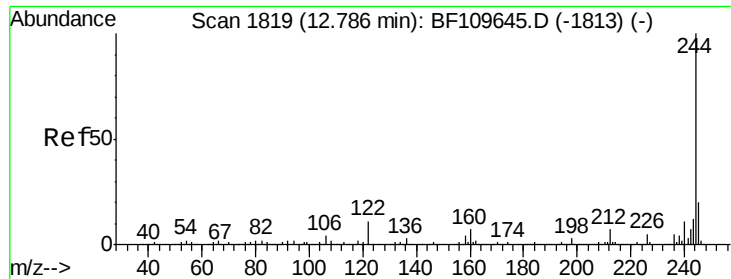
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109865.D
Acq: 13 Oct 2018 6:00

Tgt Ion:240 Resp: 236063
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 24.8 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

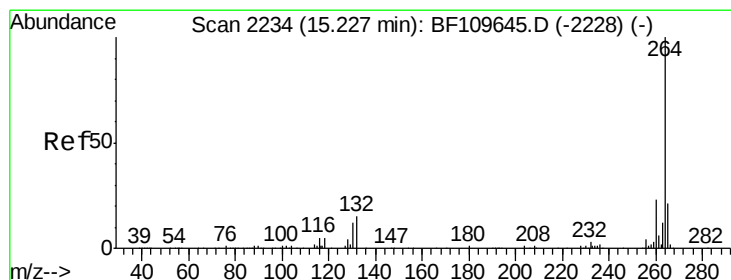
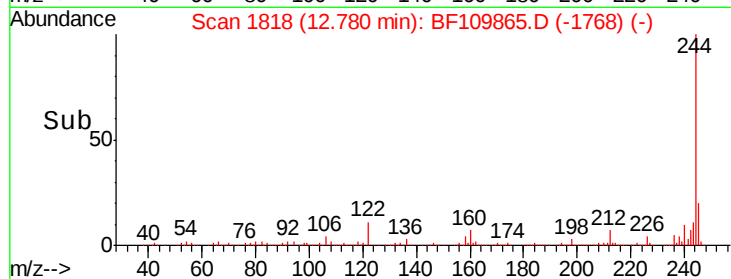
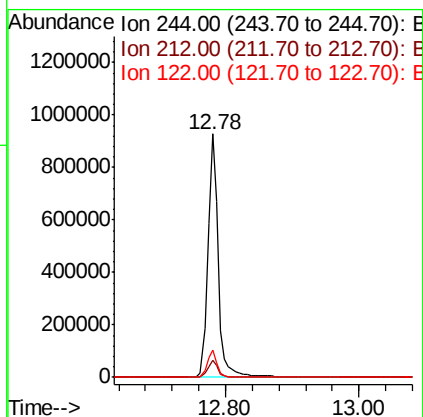
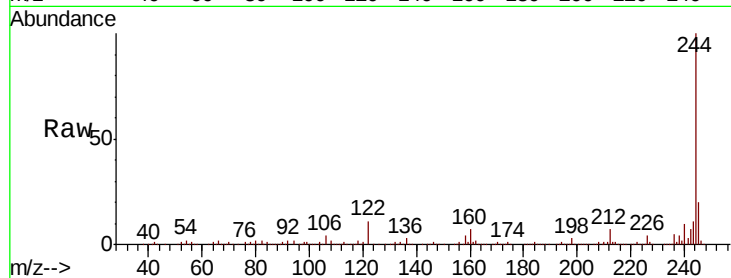




#78
 Terphenyl-d14
 Concen: 82.110 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109865.D
 Acq: 13 Oct 2018 6:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1001278
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.2 8.7 13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF109865.D
 Acq: 13 Oct 2018 6:00

Tgt Ion:264 Resp: 182970
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.0 16.7 25.1

