

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109869.D
 Acq On : 13 Oct 2018 7:47
 Operator : JU/SJ
 Sample : J5444-12
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 15 01:20:44 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

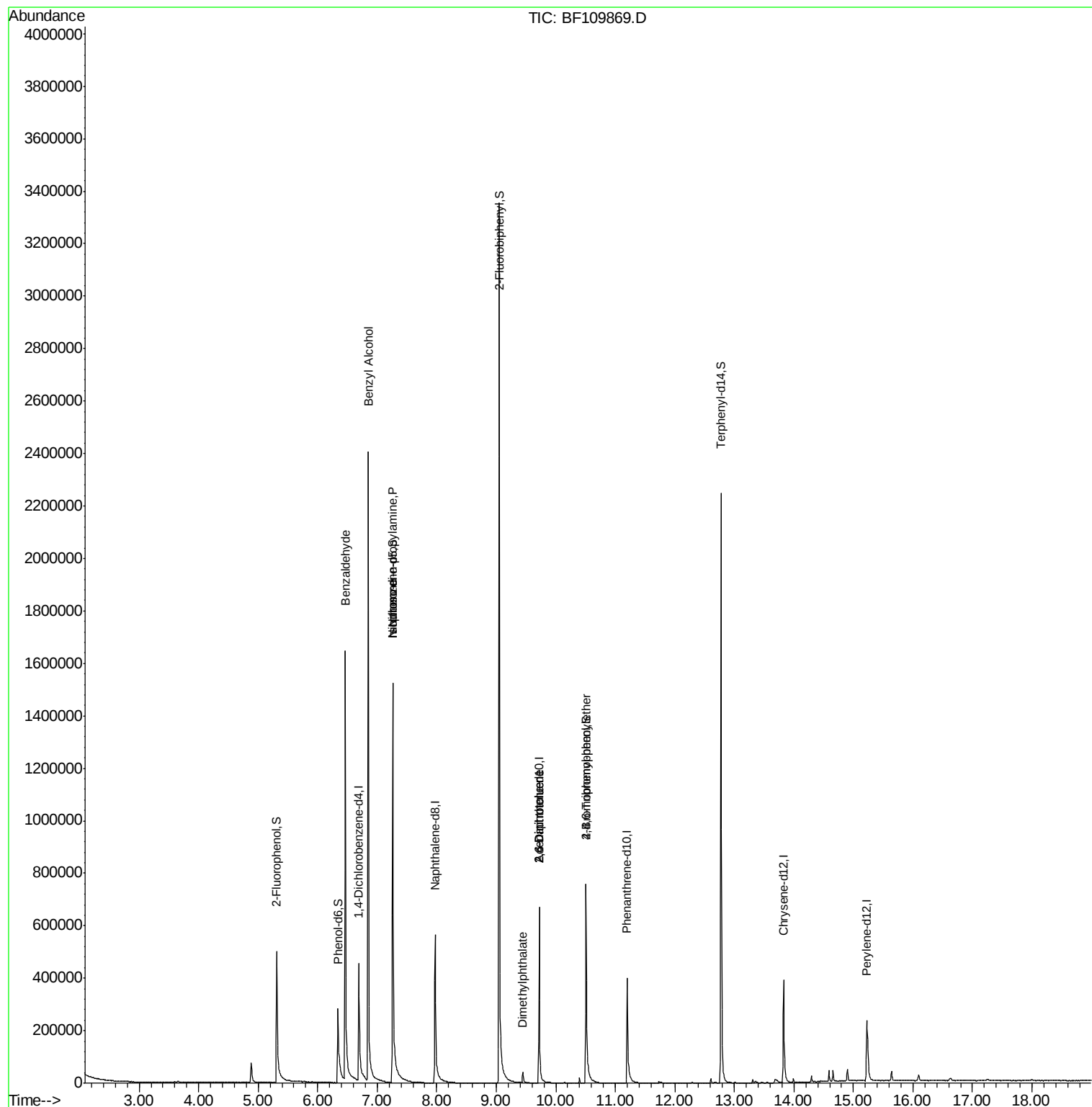
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	98549	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	401411	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	167004	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	251957	20.00	ng	0.00
75) Chrysene-d12	13.83	240	206478	20.00	ng	0.00
86) Perylene-d12	15.23	264	156929	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	232640	41.90	ng	-0.01
7) Phenol-d6	6.34	99	216471	29.19	ng	-0.02
23) Nitrobenzene-d5	7.26	82	754990	103.68	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	144745	79.54	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	1259437	103.86	ng	0.00
78) Terphenyl-d14	12.78	244	853842	80.05	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	11379	2.384	ng	# 79
15) Benzyl Alcohol	6.85	79	11511	2.094	ng	# 51
19) n-Nitroso-di-n-propylamine	7.26	70	100430	19.309	ng	# 77
25) Isophorone	7.26	82	754986	62.435	ng	# 67
49) Dimethylphthalate	9.45	163	27409	2.238	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	20288	7.641	ng	# 22
56) 2,4-Dinitrotoluene	9.72	165	20288	6.123	ng	# 19
66) 4-Bromophenyl-phenylether	10.51	248	8168	2.821	ng	# 1

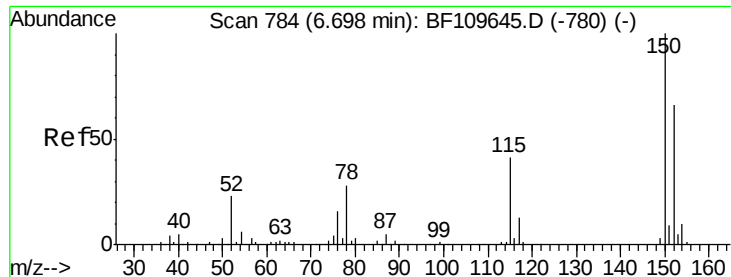
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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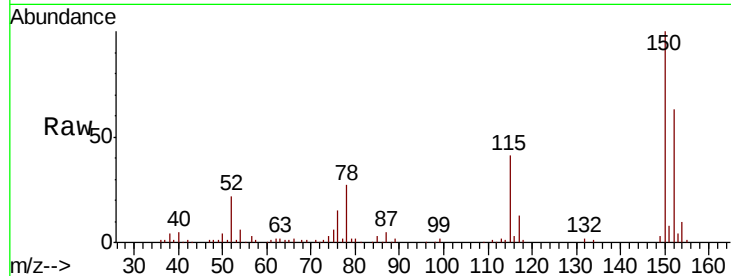


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	122.7	184.1
115	65.2	49.1	73.7

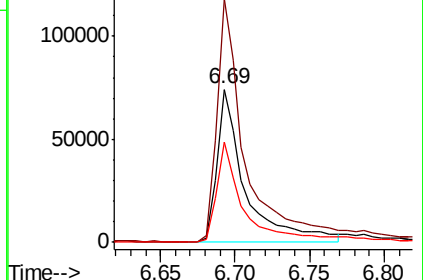
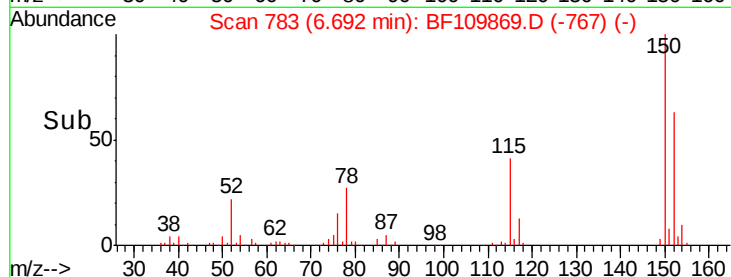


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

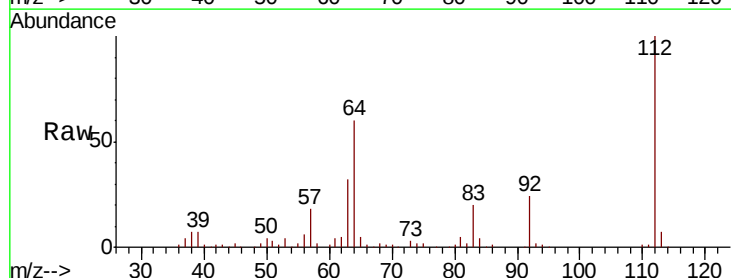
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.902 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	44.1	66.1
63	32.0	23.7	35.5

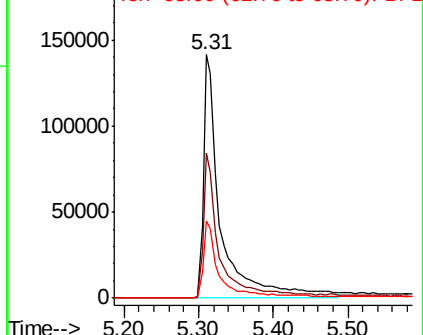
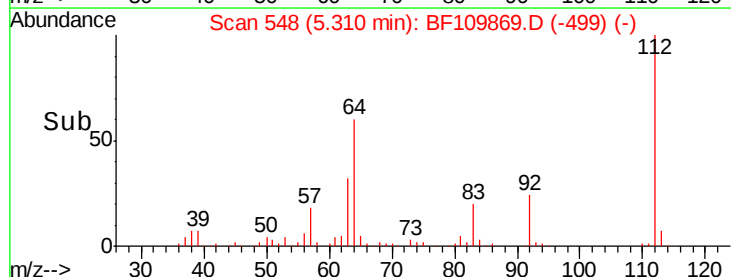


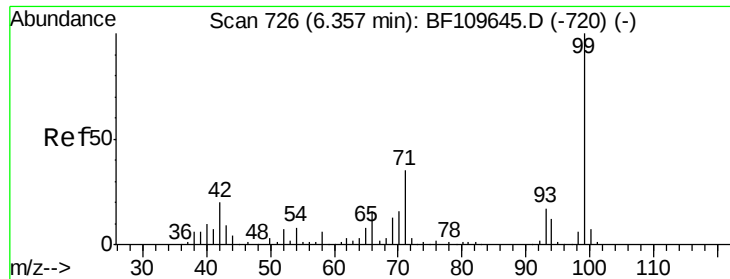
Abundance

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: 29.187 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109869.D

Acq: 13 Oct 2018 7:47

Instrument :

BNA_F

ClientSampled :

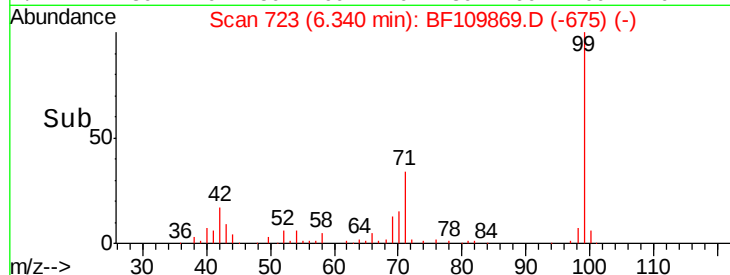
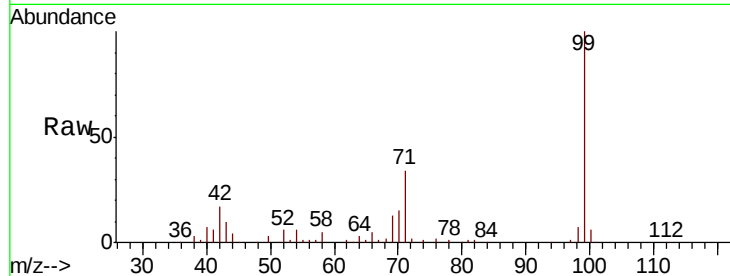
Tot Ion: 99 Resp: 216471

Ion Ratio Lower Upper

99 100

42 17.2 15.8 23.6

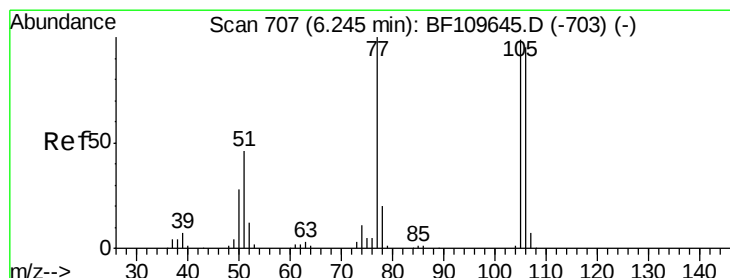
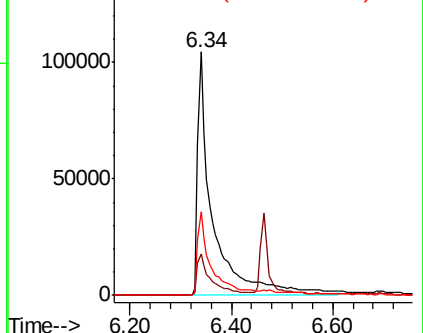
71 34.3 28.0 42.0



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: 2.384 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109869.D

Acq: 13 Oct 2018 7:47

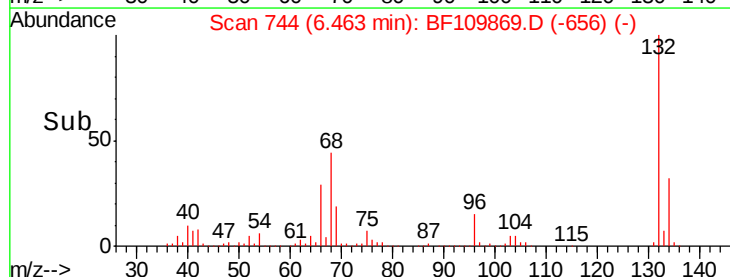
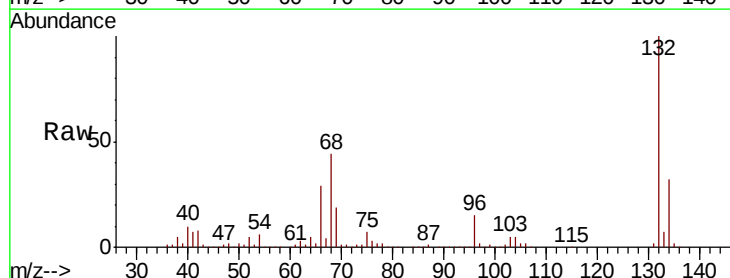
Tgt Ion: 77 Resp: 11379

Ion Ratio Lower Upper

77 100

105 84.3 78.6 118.6

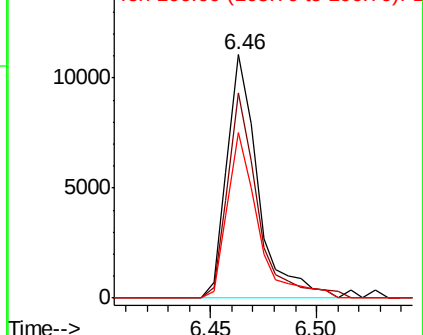
106 68.0 74.8 114.8#

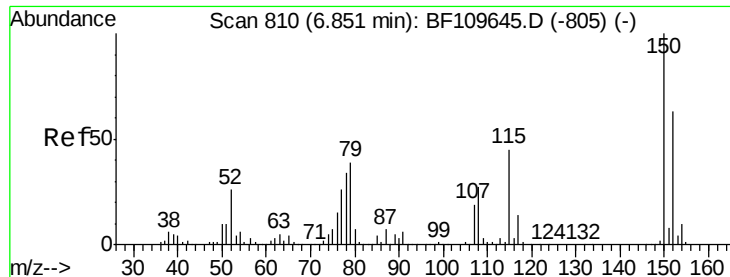


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

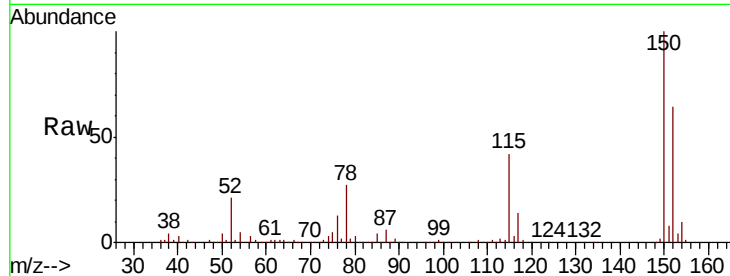




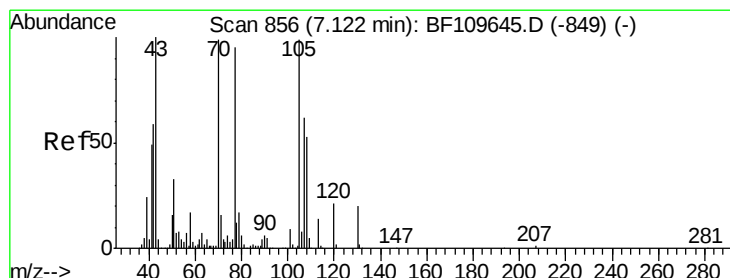
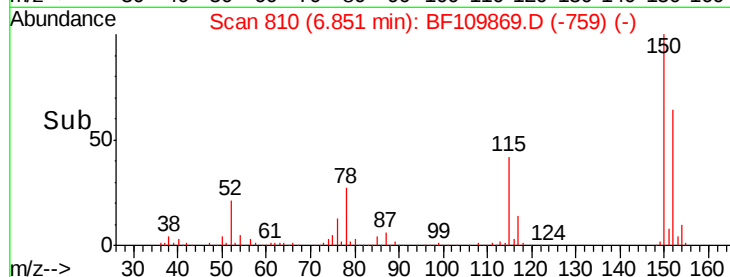
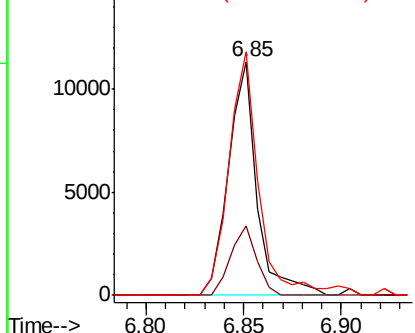
#15
Benzyl Alcohol
Concen: 2.094 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 11511
Ion Ratio Lower Upper
79 100
108 29.8 56.3 84.5#
77 104.2 52.9 79.3#

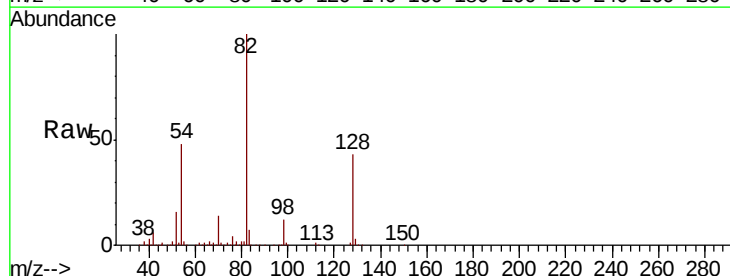


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

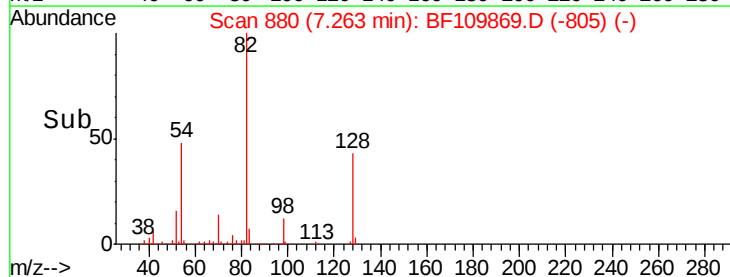
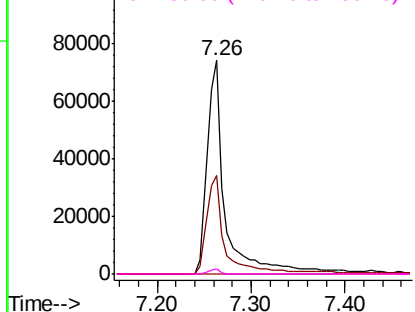


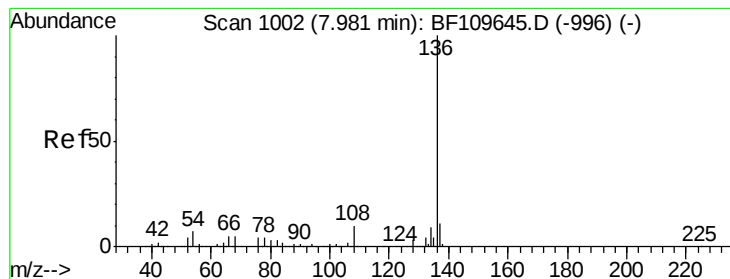
#19
n-Nitroso-di-n-propylamine
Concen: 19.309 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.14 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Tgt Ion: 70 Resp: 100430
Ion Ratio Lower Upper
70 100
42 46.1 47.4 71.2#
101 0.0 7.3 10.9#
130 2.2 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: BF109869.D

Acq: 13 Oct 2018 7:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 401411

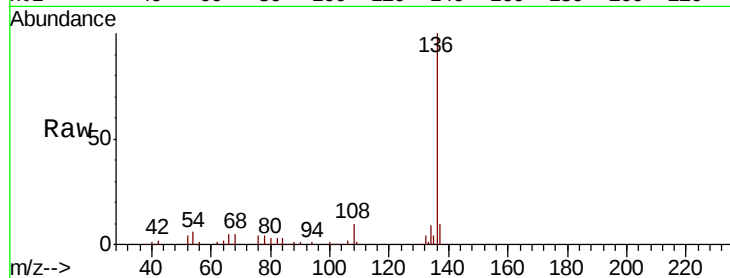
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.3 5.4 8.2

68 4.6 4.2 6.2

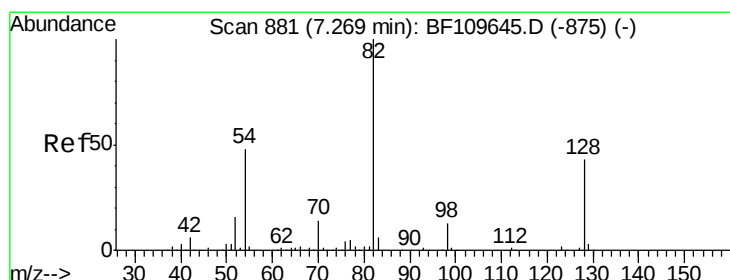
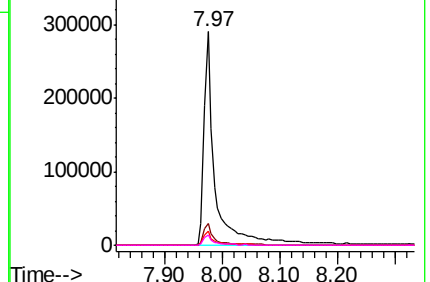
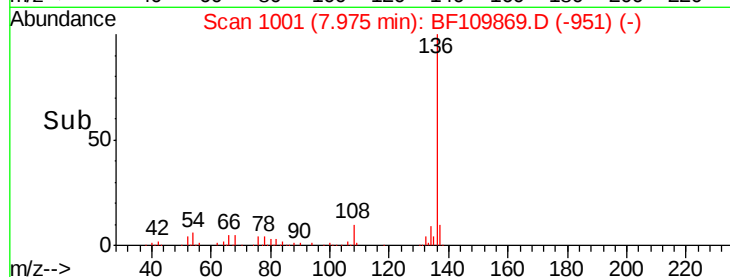


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.678 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109869.D

Acq: 13 Oct 2018 7:47

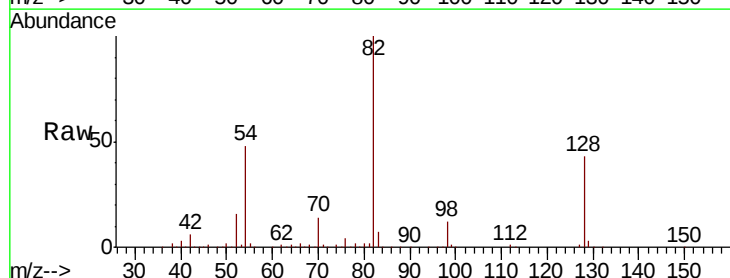
Tgt Ion: 82 Resp: 754990

Ion Ratio Lower Upper

82 100

128 43.5 34.2 51.2

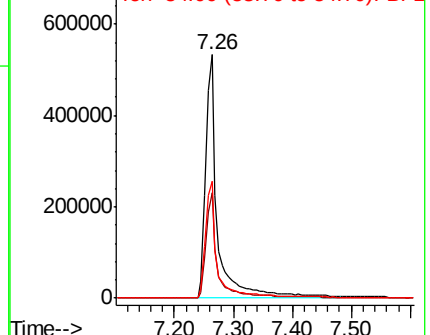
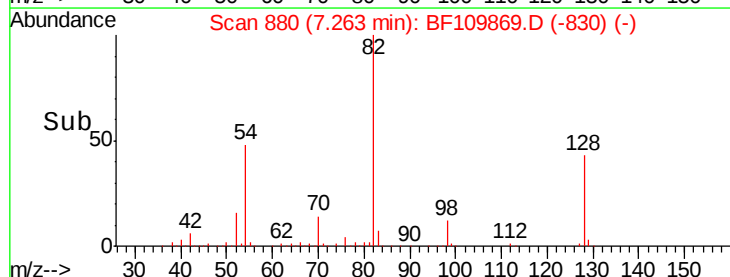
54 47.8 38.6 58.0

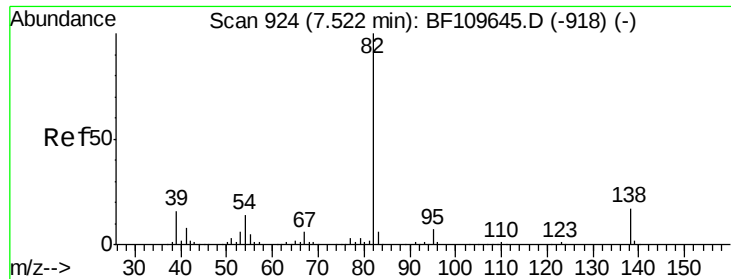


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 62.435 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF109869.D

Acq: 13 Oct 2018 7:47

Instrument :

BNA_F

ClientSampleId :

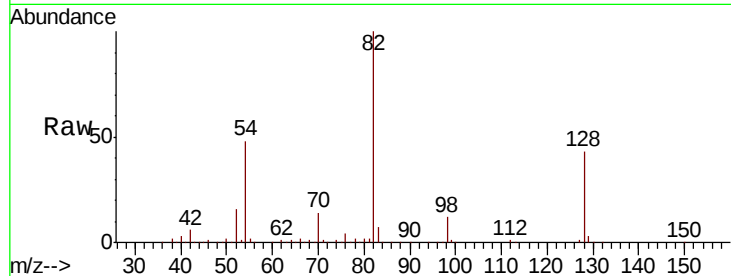
Tot Ion: 82 Resp: 754986

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

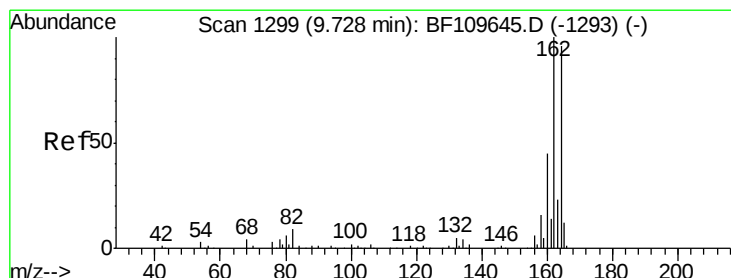
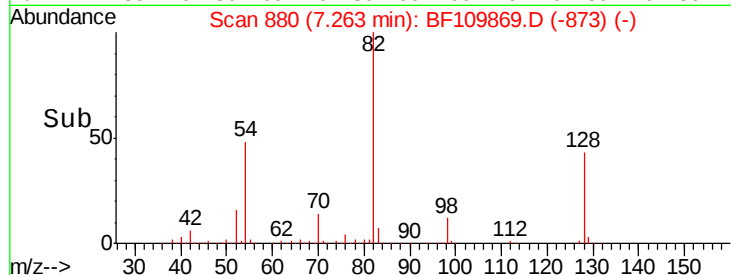
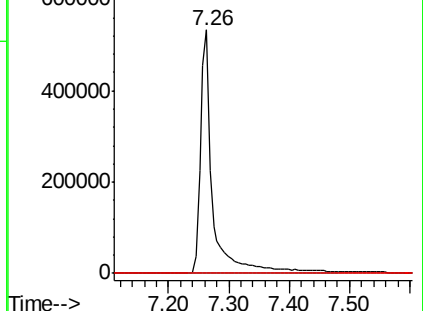
138 0.0 13.2 19.8#



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: BF109869.D

Acq: 13 Oct 2018 7:47

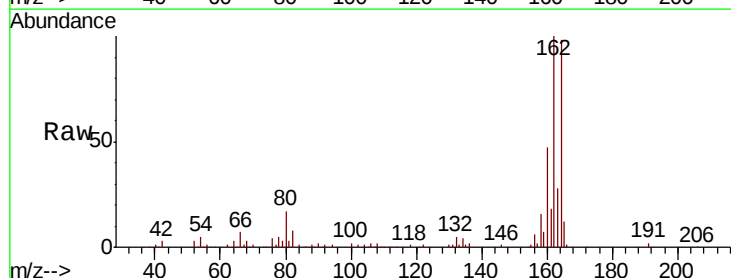
Tgt Ion:164 Resp: 167004

Ion Ratio Lower Upper

164 100

162 102.4 83.0 124.6

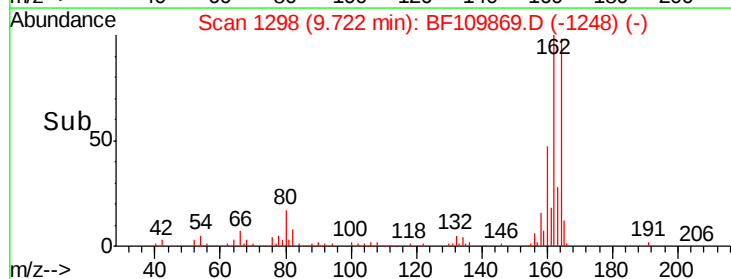
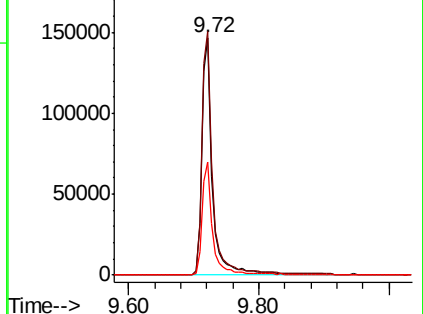
160 47.7 37.0 55.6

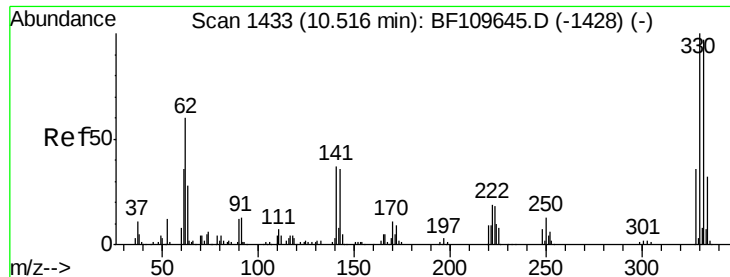


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

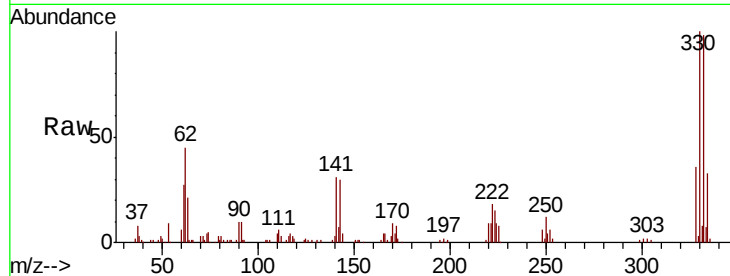




#41
 2,4,6-Tribromophenol
 Concen: 79.544 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109869.D
 Acq: 13 Oct 2018 7:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	35.4	27.0	40.4

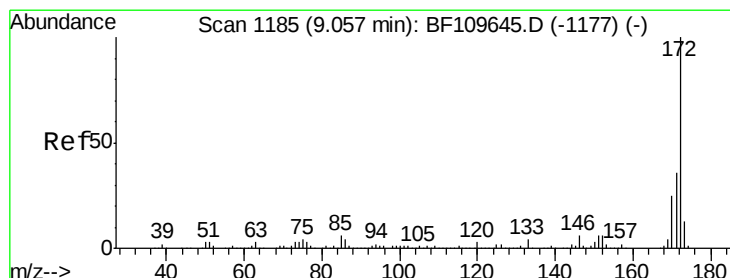
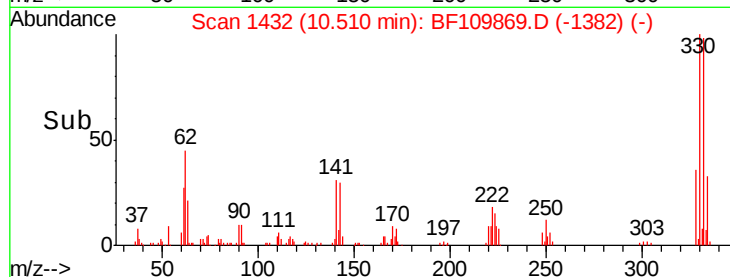
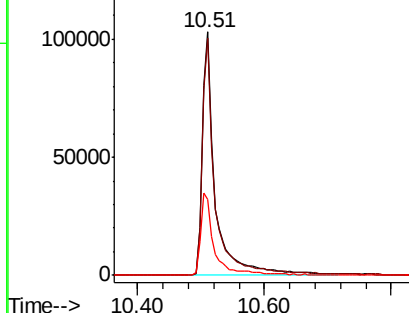


Abundance

Ion 329.80 (329.50 to 330.50): E

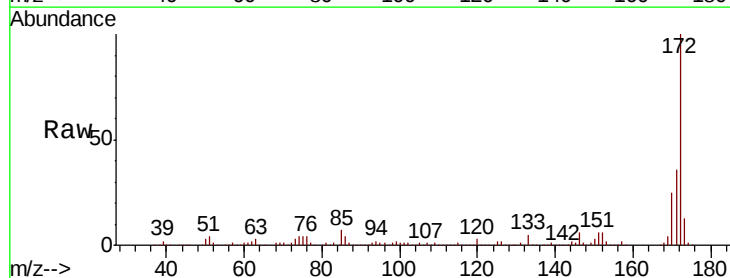
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 103.864 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109869.D
 Acq: 13 Oct 2018 7:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.6	19.7	29.5

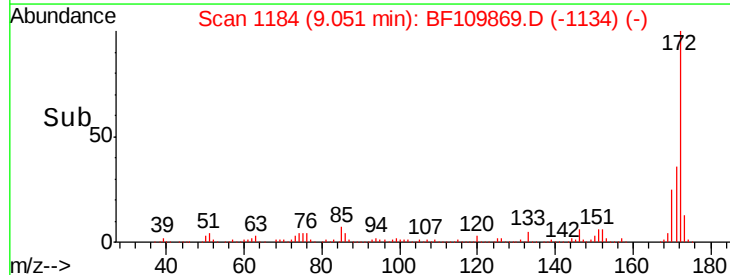
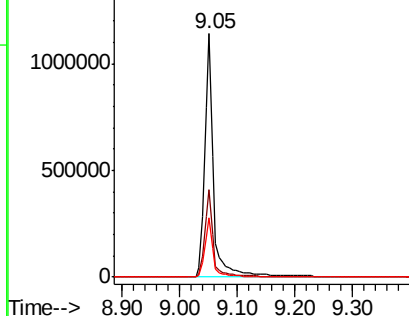


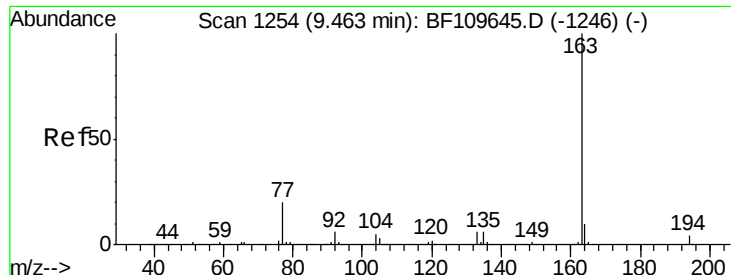
Abundance

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

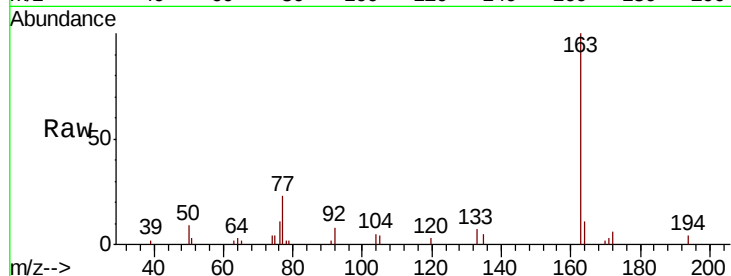




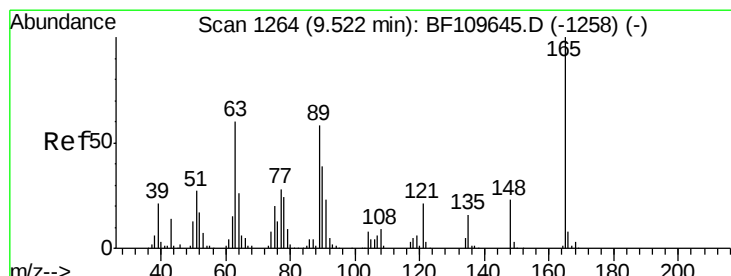
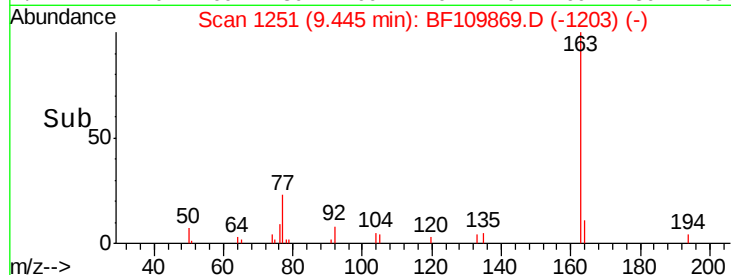
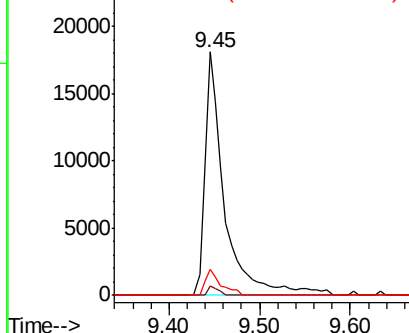
#49
Dimethylphthalate
Concen: 2.238 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.7	8.1	12.1

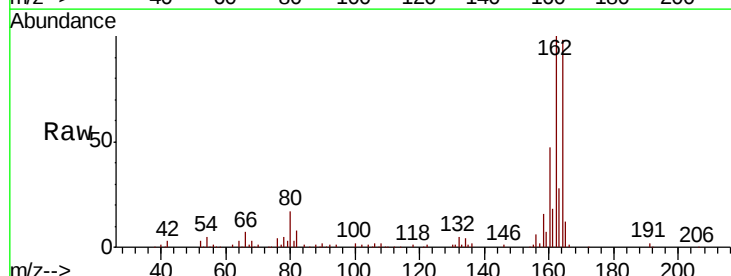


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

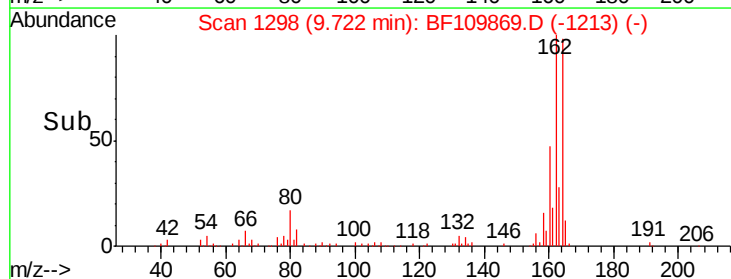
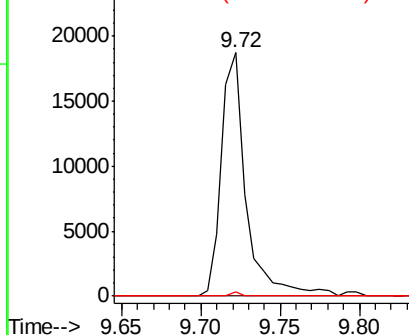


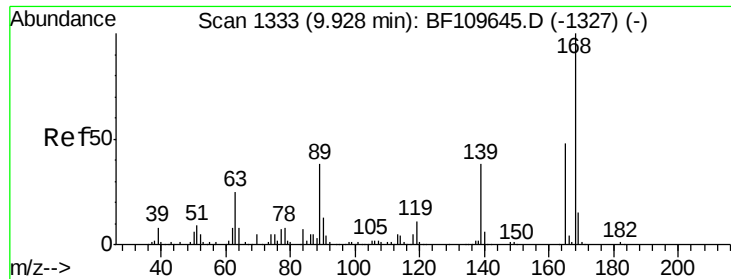
#50
2,6-Dinitrotoluene
Concen: 7.641 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.0	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

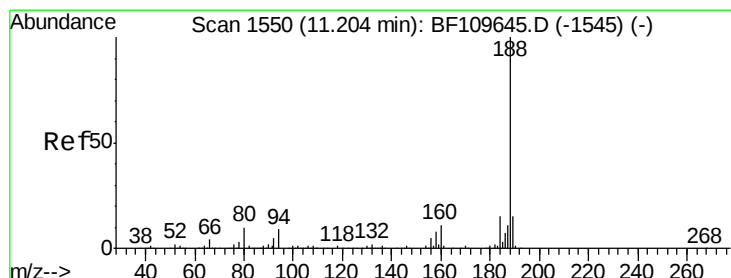
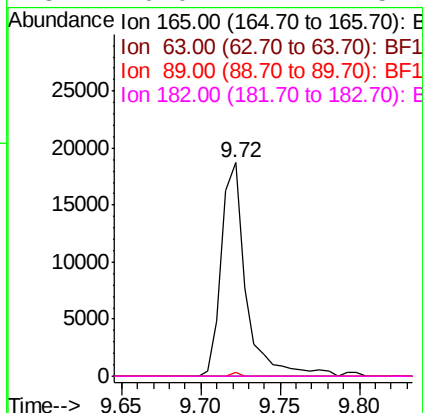
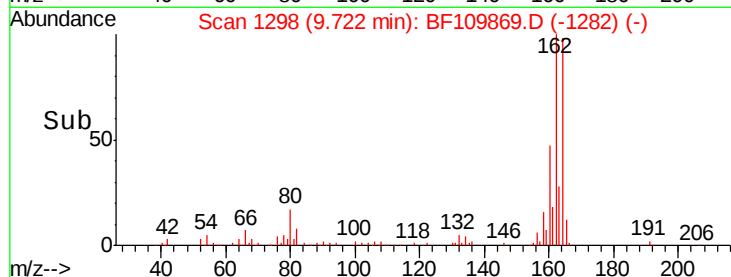
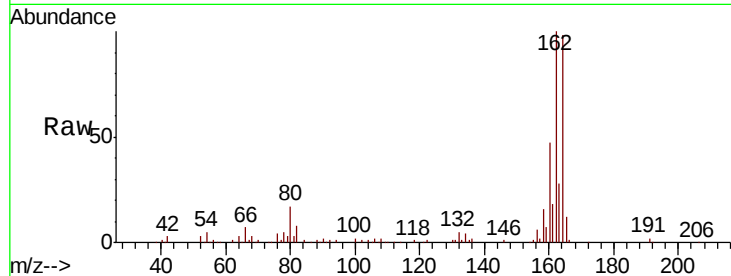




#56
 2,4-Dinitrotoluene
 Concen: 6.123 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109869.D
 Acq: 13 Oct 2018 7:47

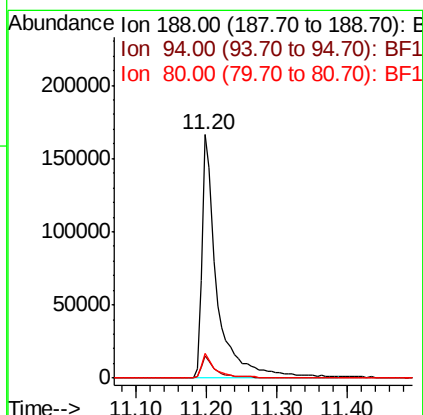
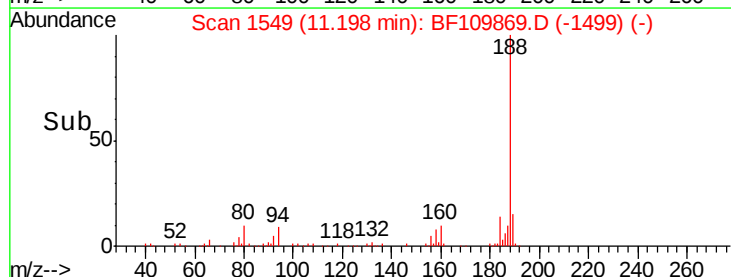
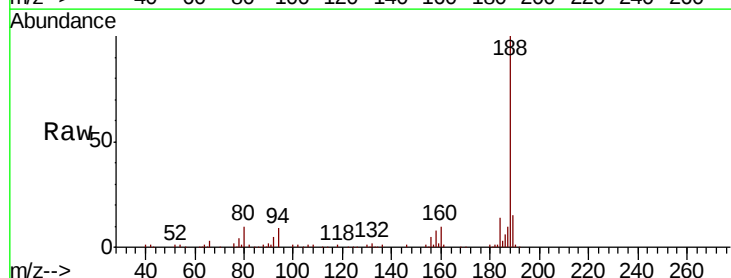
Instrument :
 BNA_F
 ClientSampleId :

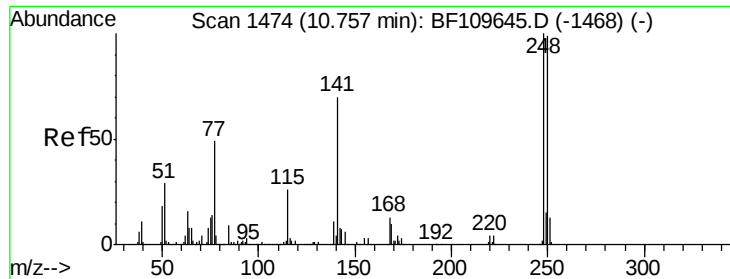
Tot Ion:	165	Resp:	20288
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.0	62.2	93.4#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF109869.D
 Acq: 13 Oct 2018 7:47

Tgt Ion:	188	Resp:	251957
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.1	7.9	11.9

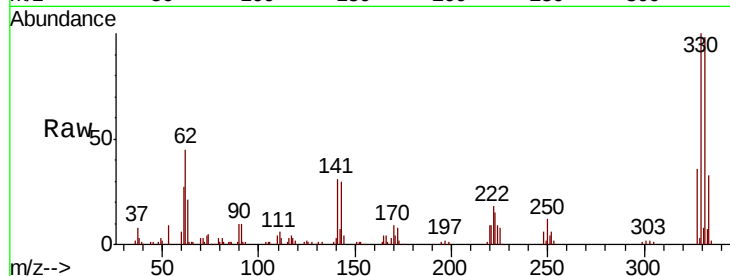




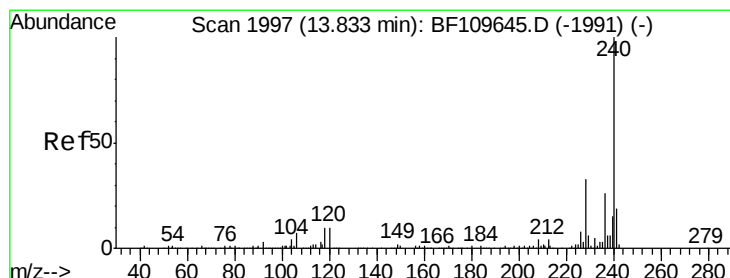
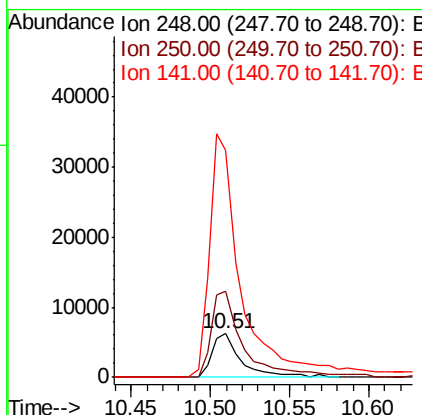
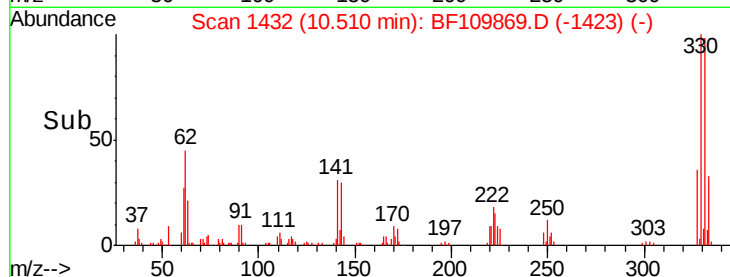
#66
4-Bromophenyl-phenylether
Concen: 2.821 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.25 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8168
Ion Ratio Lower Upper
248 100
250 195.9 79.4 119.2#
141 517.2 55.9 83.9#

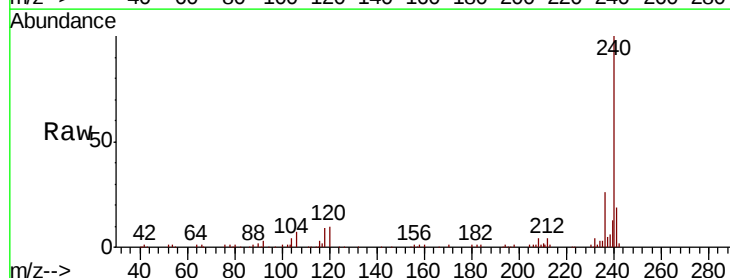


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

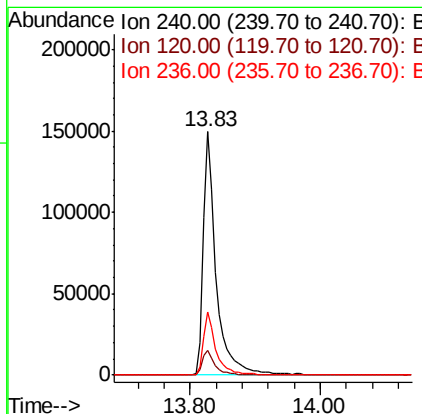
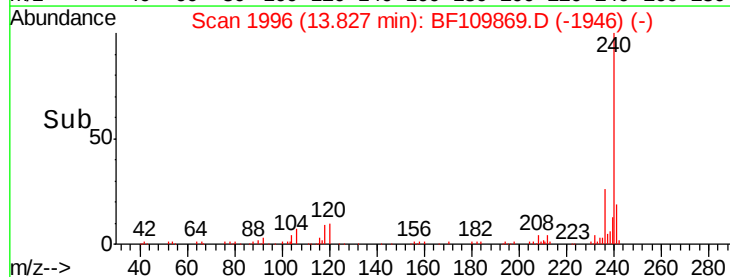


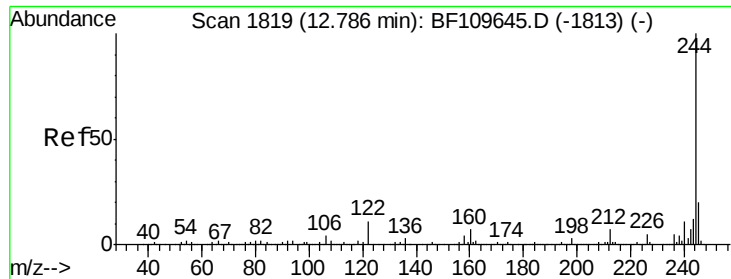
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109869.D
Acq: 13 Oct 2018 7:47

Tgt Ion:240 Resp: 206478
Ion Ratio Lower Upper
240 100
120 10.2 8.3 12.5
236 25.8 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: 80.052 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109869.D

Acq: 13 Oct 2018 7:47

Instrument :

BNA_F

ClientSampled :

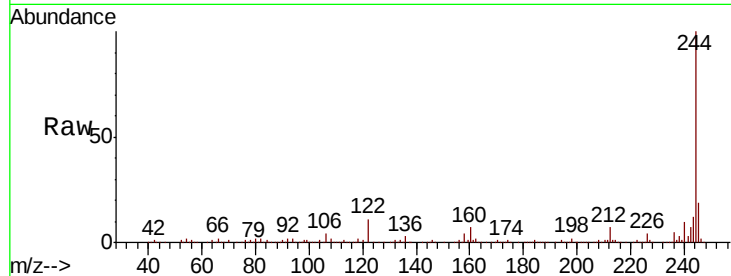
Tot Ion:244 Resp: 853842

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

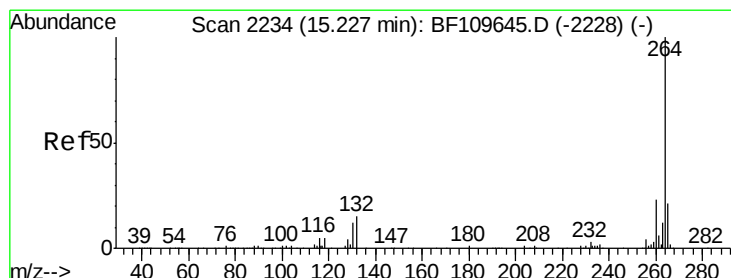
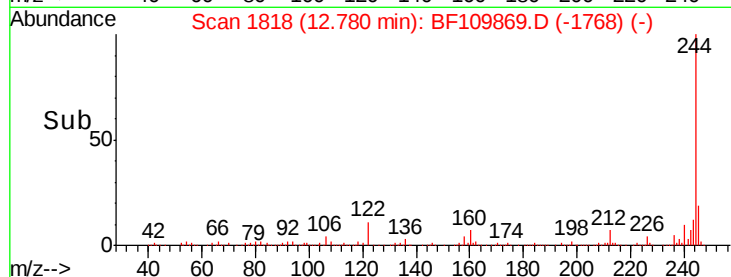
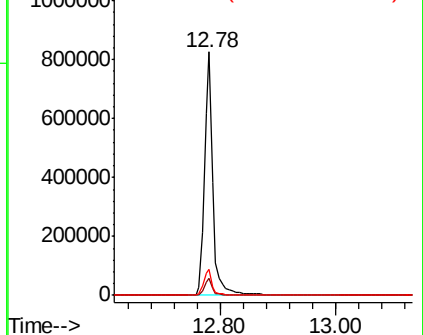
122 10.9 8.7 13.1



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: BF109869.D

Acq: 13 Oct 2018 7:47

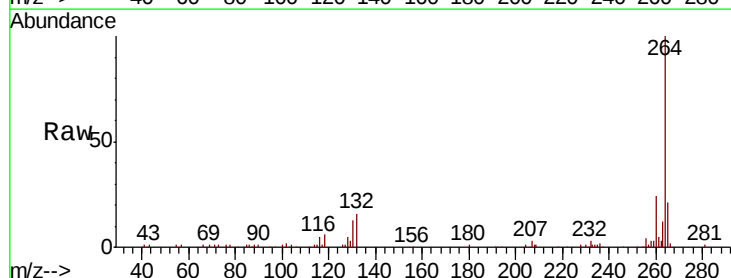
Tgt Ion:264 Resp: 156929

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 20.7 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

