

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
 Data File : BF110013.D
 Acq On : 19 Oct 2018 20:03
 Operator : JU/SJ
 Sample : J5593-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 00:09:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

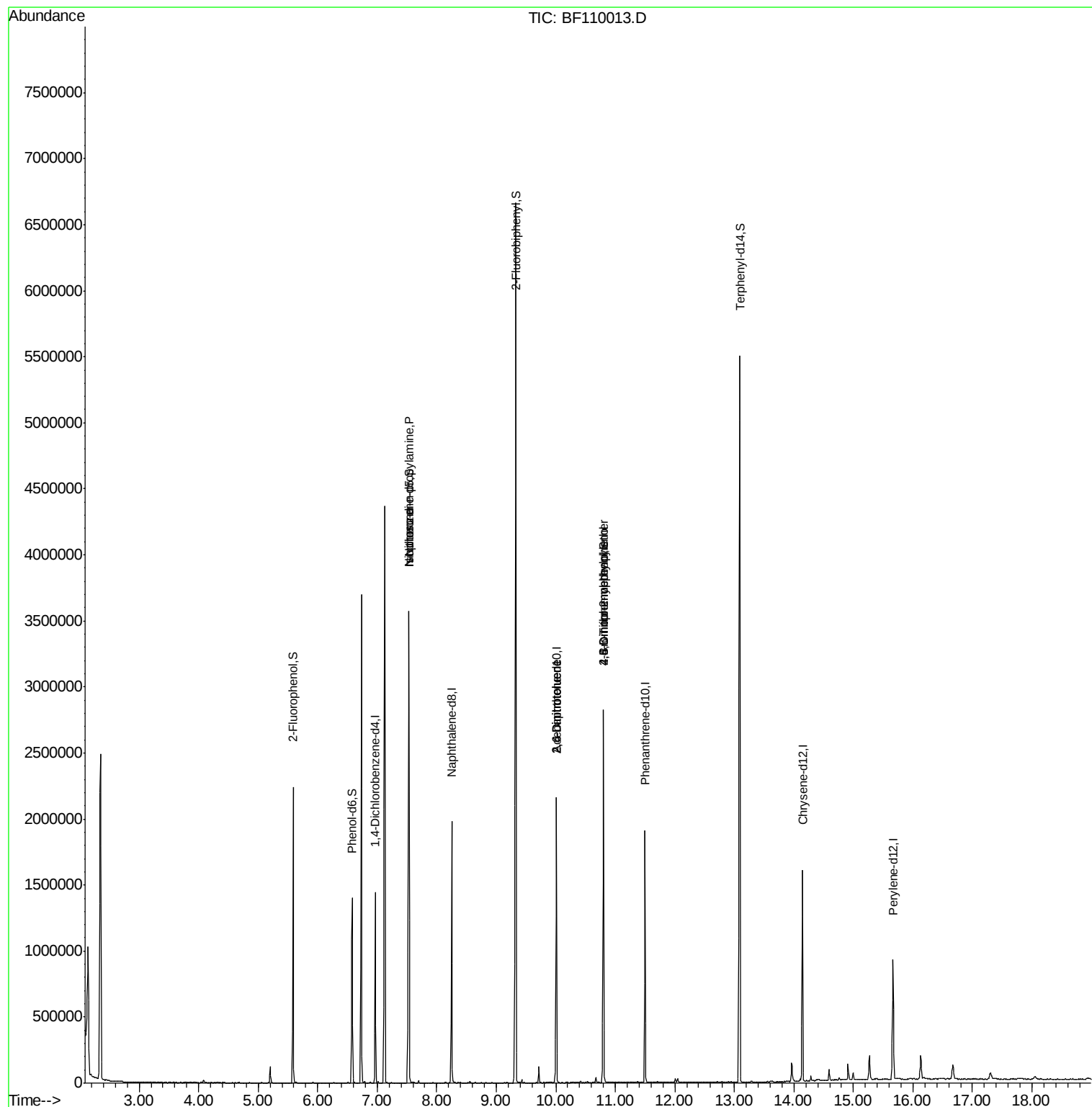
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	209803	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	865741	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	404735	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	722463	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	514062	20.00	ng	-0.02
87) Perylene-d12	15.66	264	362783	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	542521	40.99	ng	-0.01
7) Phenol-d6	6.58	99	420377	25.58	ng	-0.02
23) Nitrobenzene-d5	7.53	82	1302679	101.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	332011	94.75	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	2238211	88.24	ng	-0.01
79) Terphenyl-d14	13.09	244	2037686	83.24	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	176995	16.773	ng	# 78
25) Isophorone	7.53	82	1298946	51.439	ng	# 67
51) 2,6-Dinitrotoluene	10.01	165	51485	9.458	ng	# 23
57) 2,4-Dinitrotoluene	10.01	165	51485	11.356	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.80	198	677	8.121	ng	# 1
67) 4-Bromophenyl-phenylether	10.80	248	21491	2.745	ng	# 1

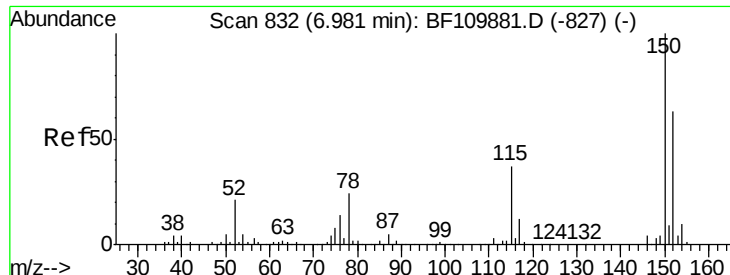
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101918\
Data File : BF110013.D
Acq On : 19 Oct 2018 20:03
Operator : JU/SJ
Sample : J5593-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 20 00:09:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration



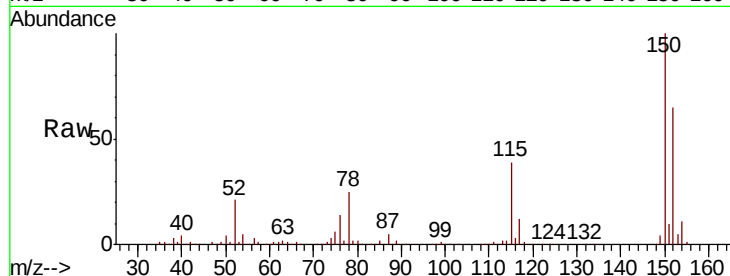


#1

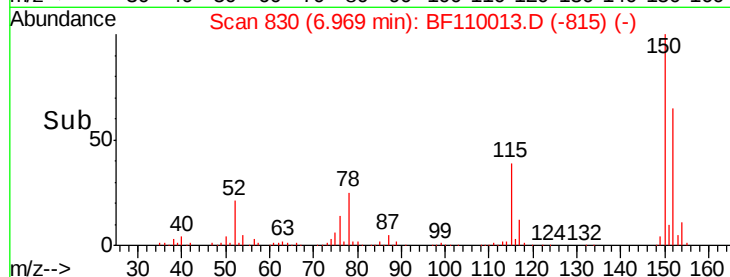
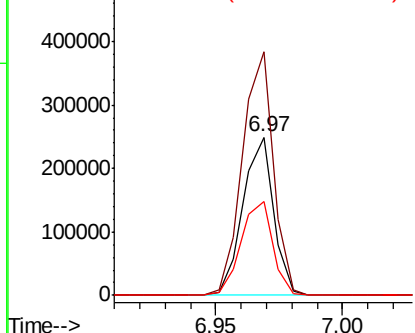
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110013.D
Acq: 19 Oct 2018 20:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 209803
Ion Ratio Lower Upper
152 100
150 154.0 122.7 184.1
115 59.7 49.1 73.7



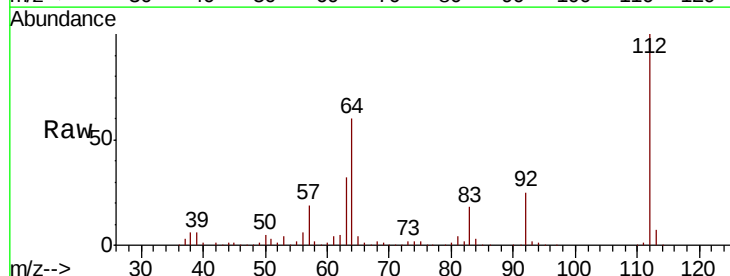
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



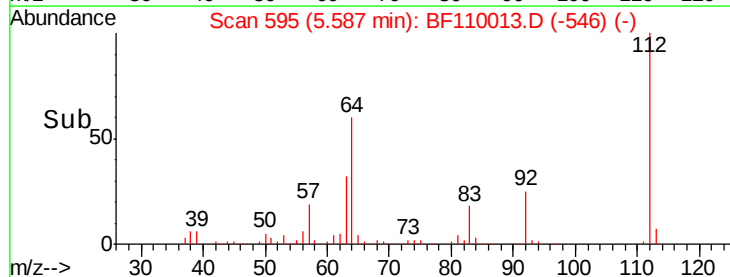
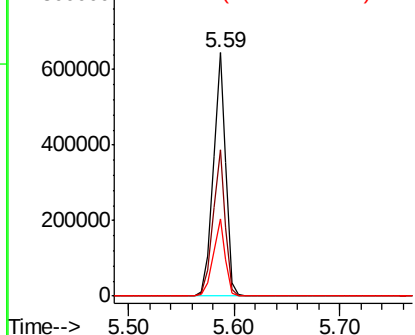
#5

2-Fluorophenol
Concen: 40.989 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110013.D
Acq: 19 Oct 2018 20:03

Tgt Ion:112 Resp: 542521
Ion Ratio Lower Upper
112 100
64 60.3 44.1 66.1
63 31.7 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: 25.578 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

Instrument :

BNA_F

ClientSampleId :

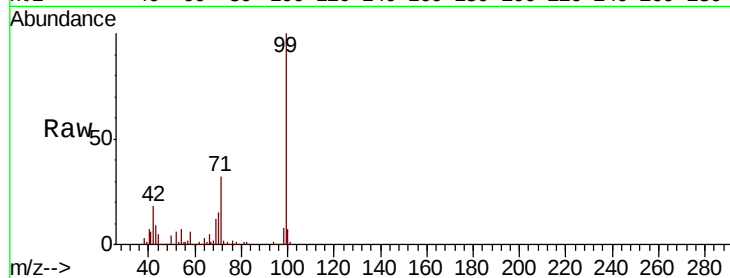
Tot Ion: 99 Resp: 420377

Ion Ratio Lower Upper

99 100

42 17.9 15.8 23.6

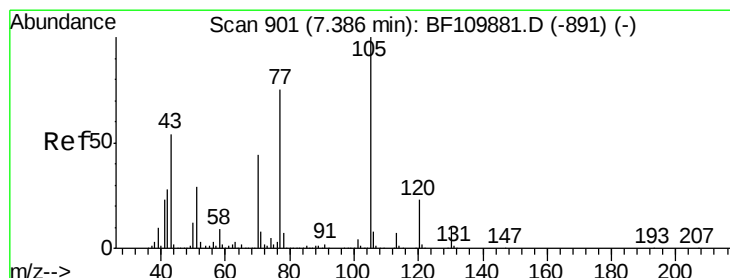
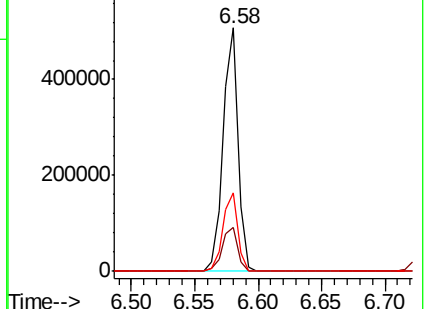
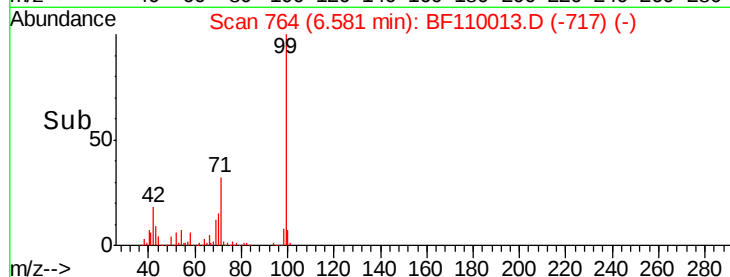
71 32.5 28.0 42.0



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: 16.773 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.14 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

Tgt Ion: 70 Resp: 176995

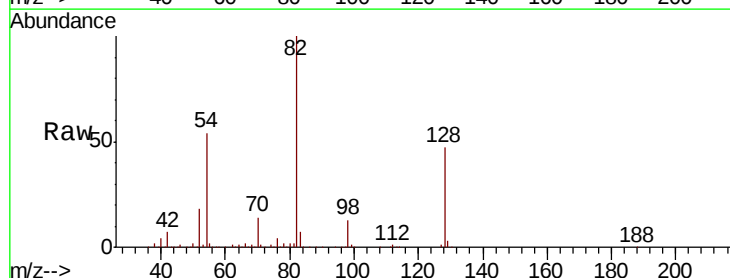
Ion Ratio Lower Upper

70 100

42 47.6 47.4 71.2

101 0.0 7.3 10.9#

130 2.0 16.2 24.2#

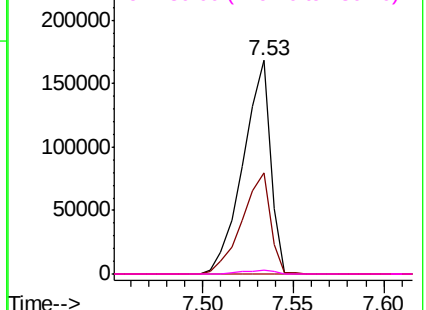
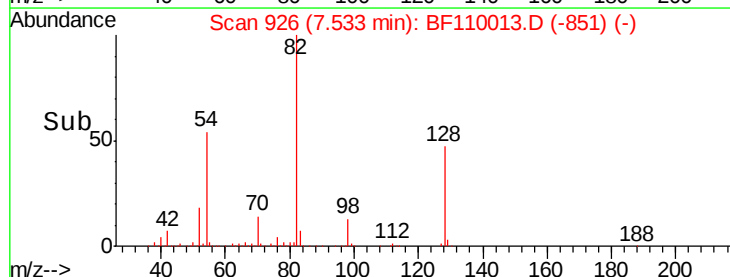


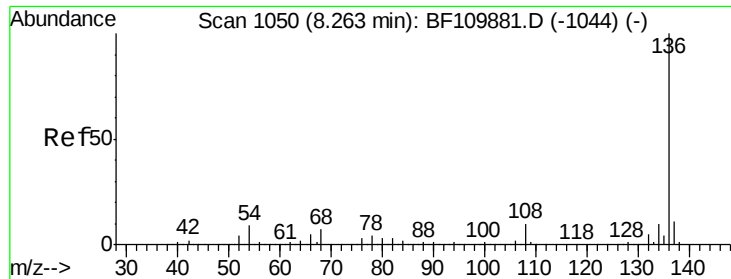
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 865741

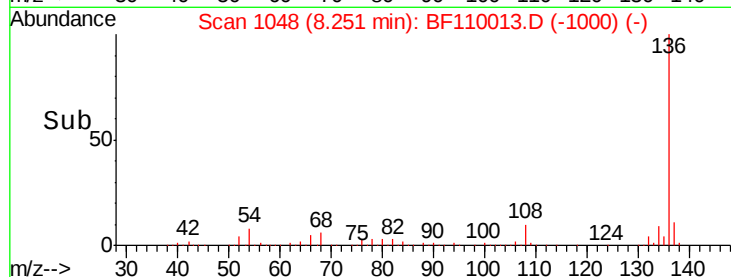
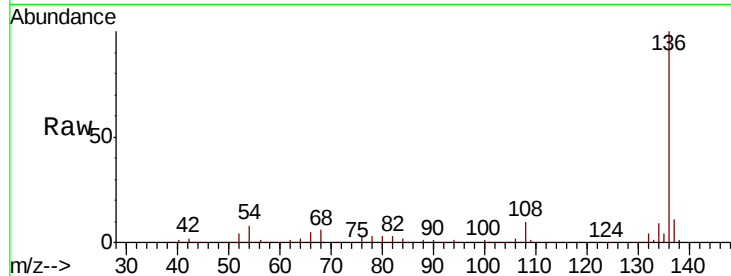
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.1 5.4 8.2

68 5.8 4.2 6.2

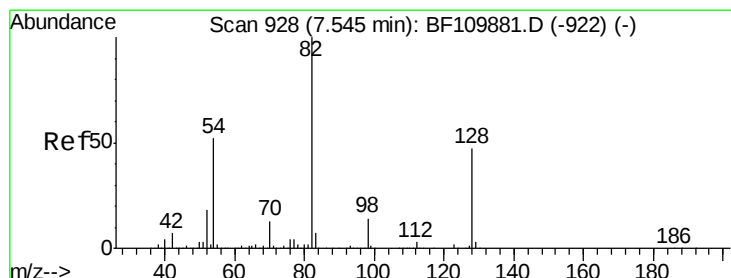
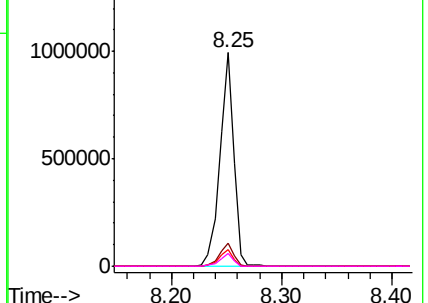


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.362 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

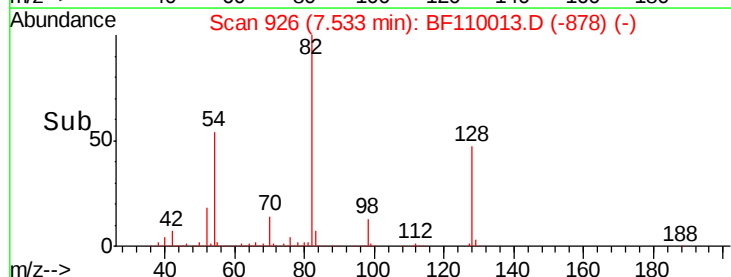
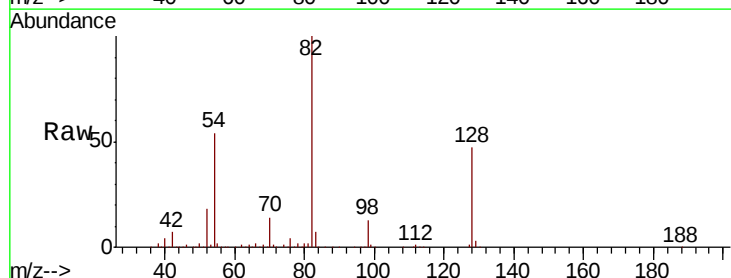
Tgt Ion: 82 Resp: 1302679

Ion Ratio Lower Upper

82 100

128 46.8 34.2 51.2

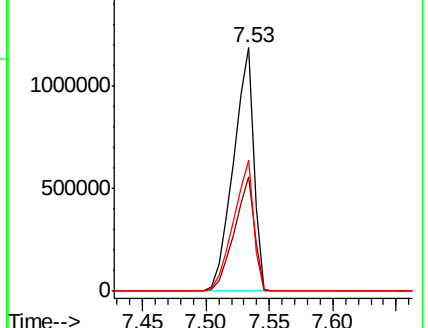
54 53.9 38.6 58.0

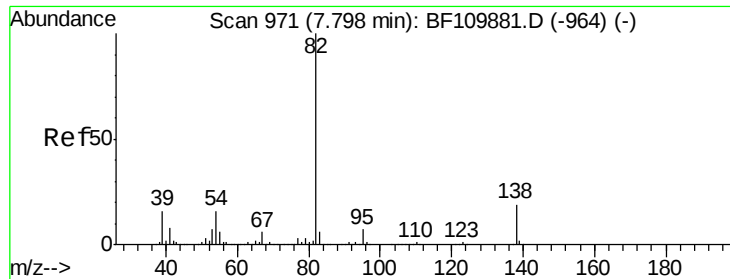


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 51.439 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.27 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

Instrument :

BNA_F

ClientSampleId :

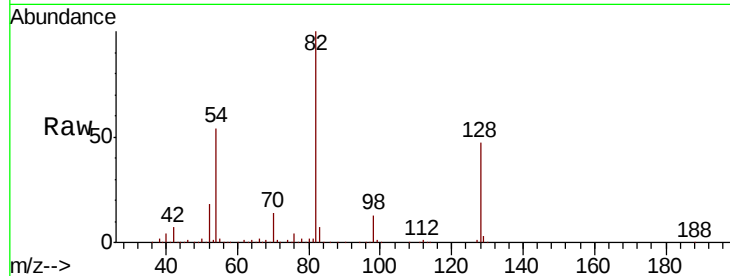
Tot Ion: 82 Resp: 1298946

Ion Ratio Lower Upper

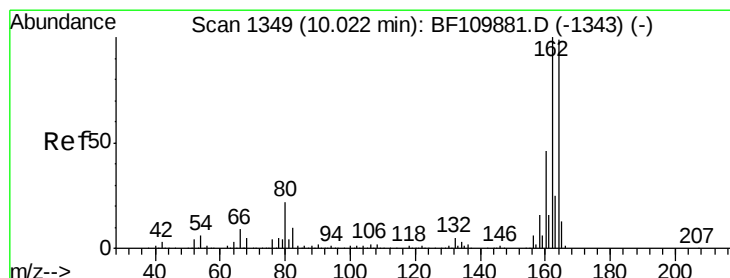
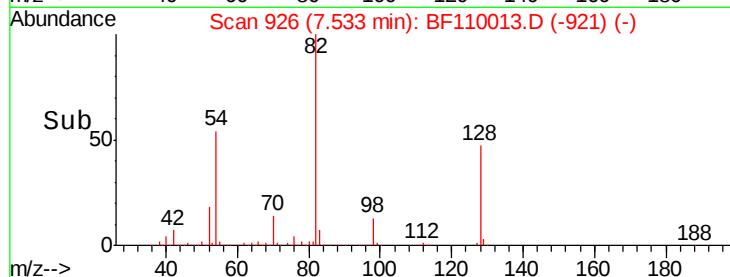
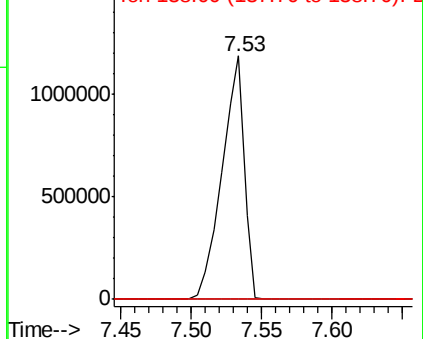
82 100

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

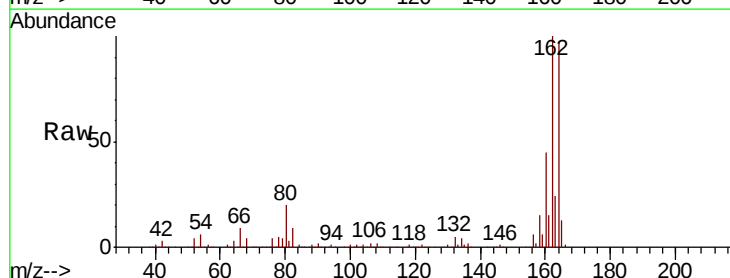
Tgt Ion:164 Resp: 404735

Ion Ratio Lower Upper

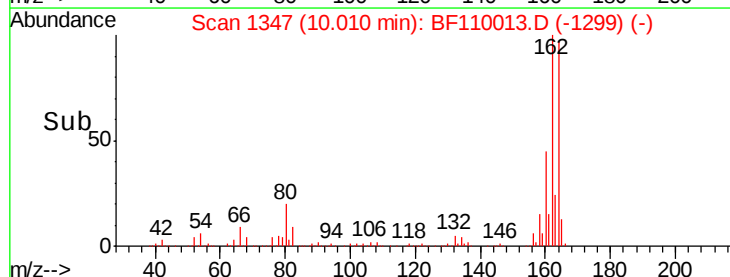
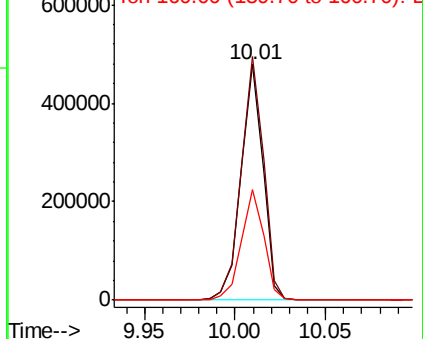
164 100

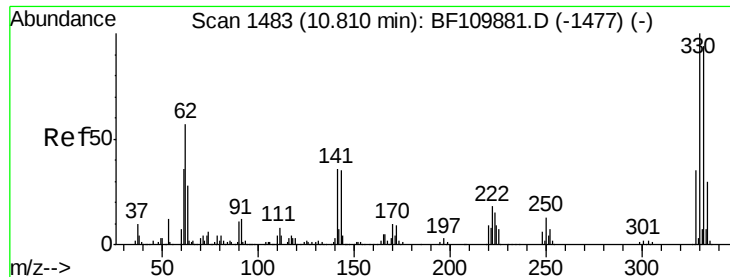
162 103.3 83.0 124.6

160 46.7 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

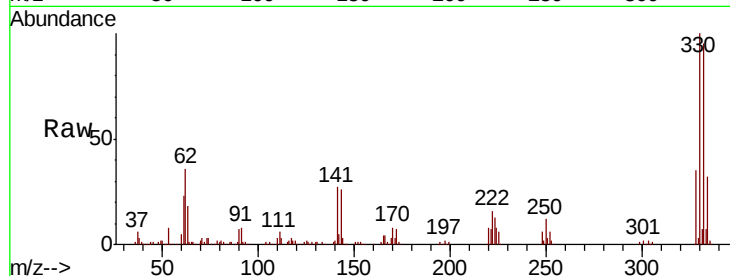




#42
 2,4,6-Tribromophenol
 Concen: 94.750 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110013.D
 Acq: 19 Oct 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	36.7	27.0	40.4

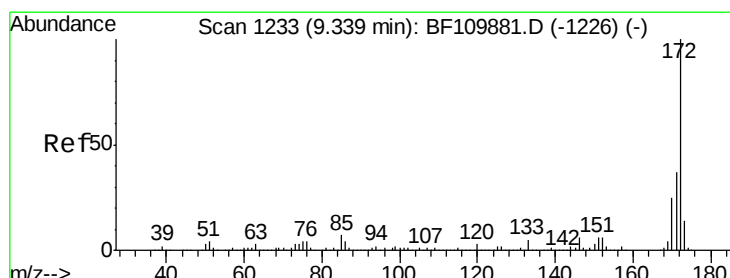
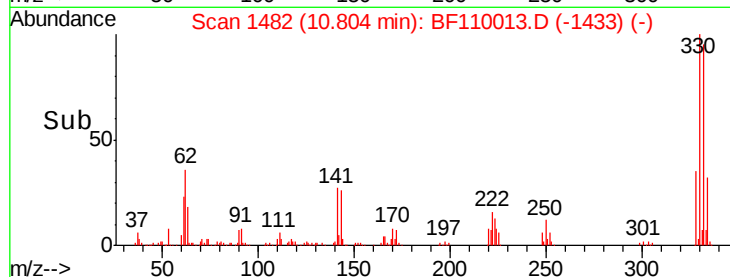
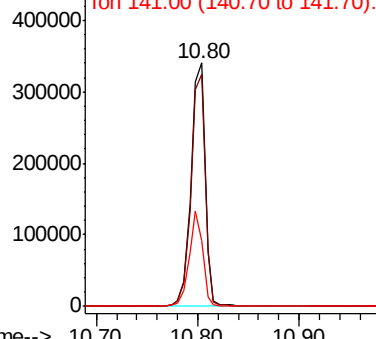


Abundance

Ion 329.80 (329.50 to 330.50): E

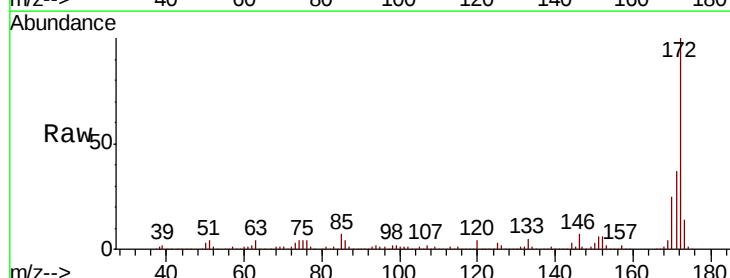
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.241 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF110013.D
 Acq: 19 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.6	43.0
170	24.7	19.7	29.5

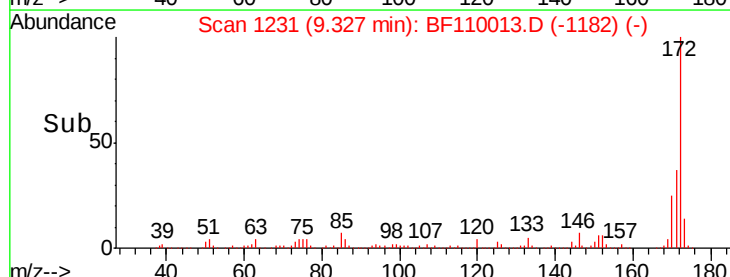
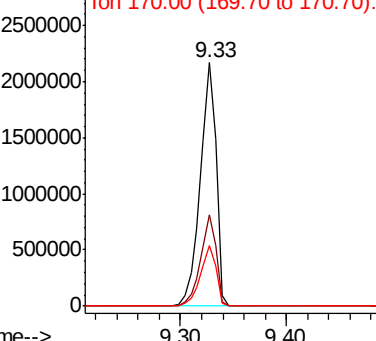


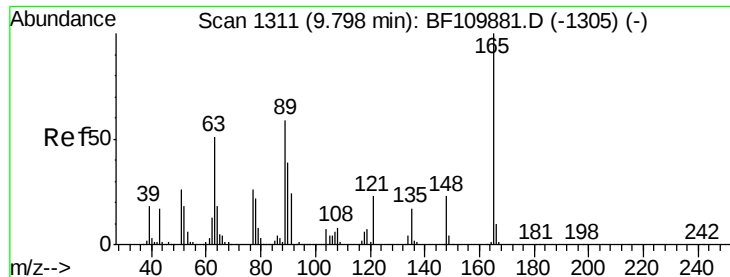
Abundance

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

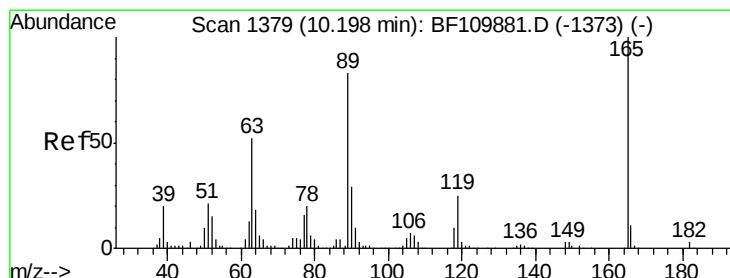
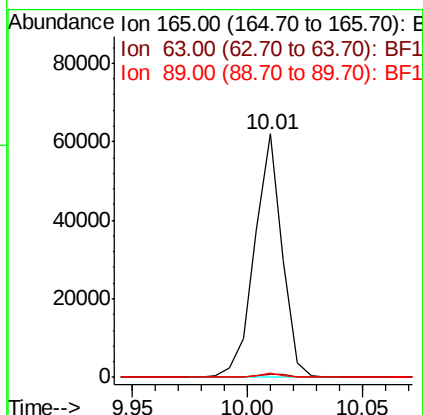
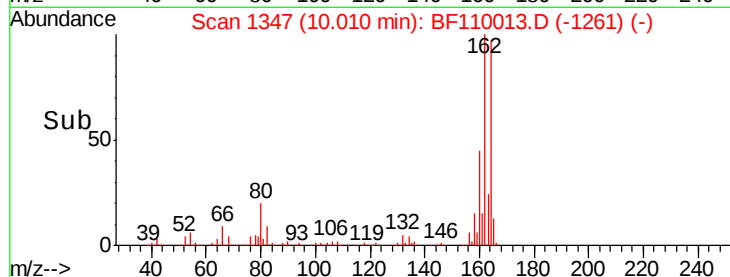
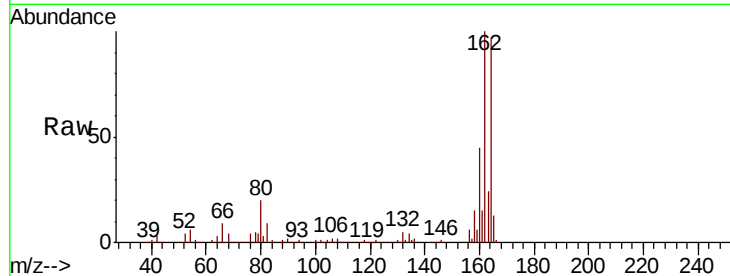




#51
2,6-Dinitrotoluene
Concen: 9.458 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF110013.D
Acq: 19 Oct 2018 20:03

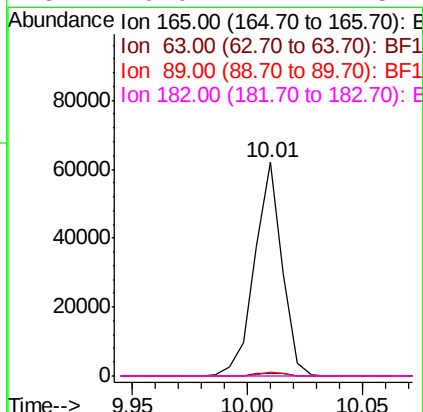
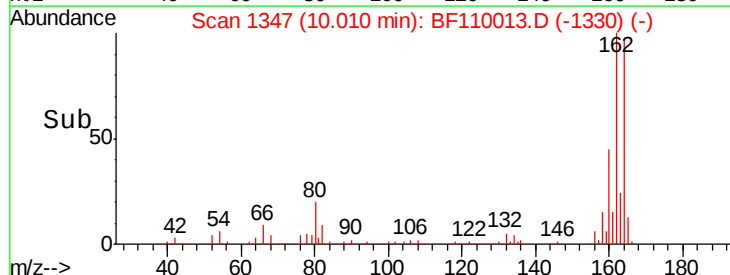
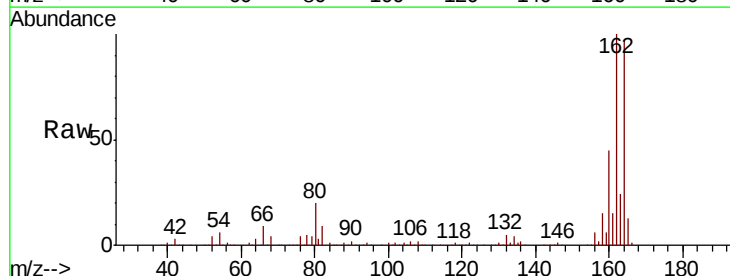
Instrument :
BNA_F
ClientSampleId :

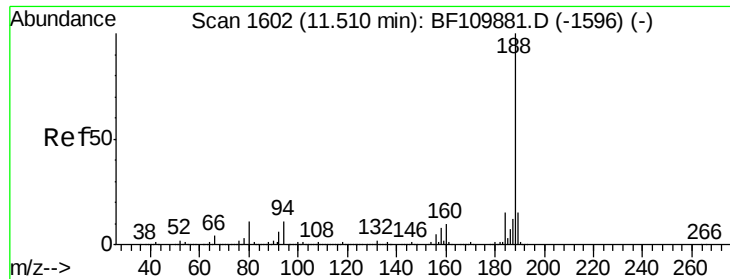
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	48.9	73.3#
89	1.6	46.6	69.8#



#57
2,4-Dinitrotoluene
Concen: 11.356 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.20 min
Lab File: BF110013.D
Acq: 19 Oct 2018 20:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.8	67.2#
89	1.6	62.2	93.4#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

Instrument :

BNA_F

ClientSampleId :

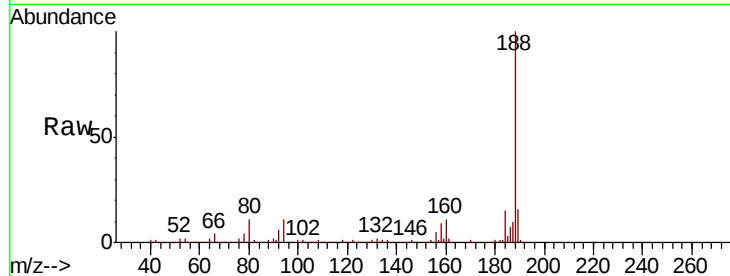
Tot Ion:188 Resp: 722463

Ion Ratio Lower Upper

188 100

94 11.1 7.2 10.8#

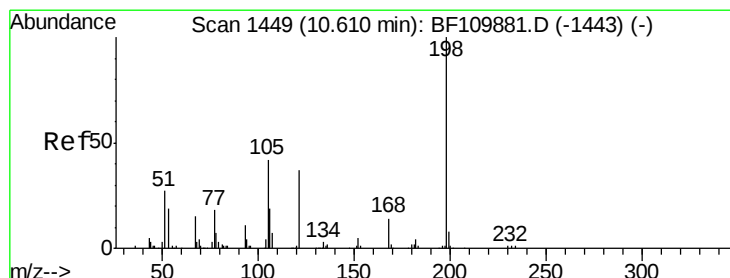
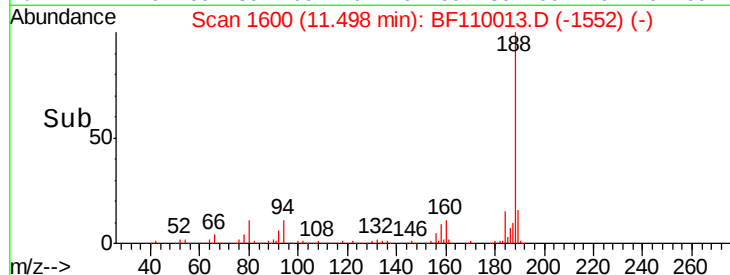
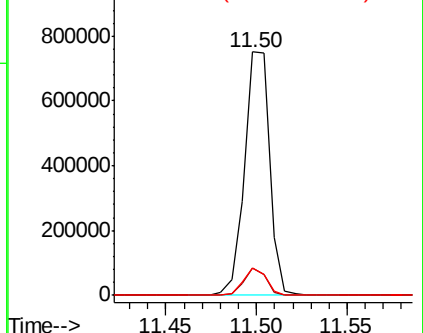
80 11.3 7.9 11.9



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.121 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.18 min

Lab File: BF110013.D

Acq: 19 Oct 2018 20:03

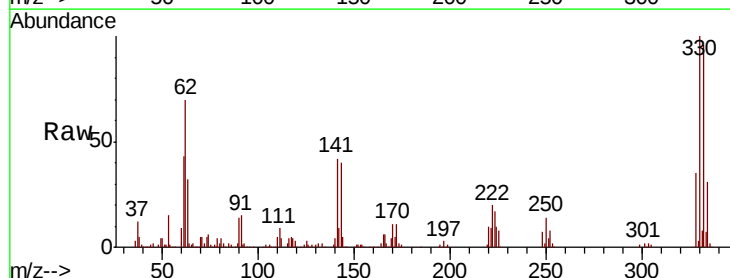
Tgt Ion:198 Resp: 677

Ion Ratio Lower Upper

198 100

51 215.2 22.8 62.8#

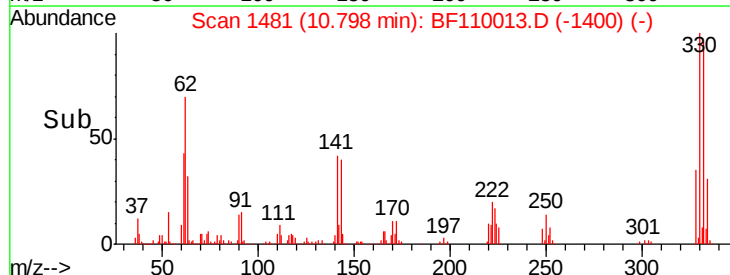
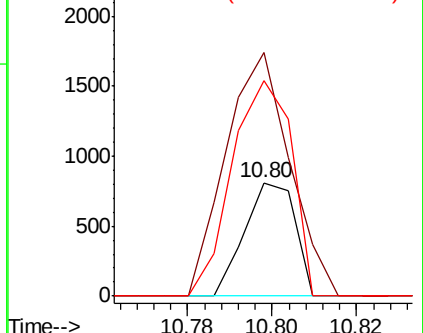
105 190.0 23.6 63.6#

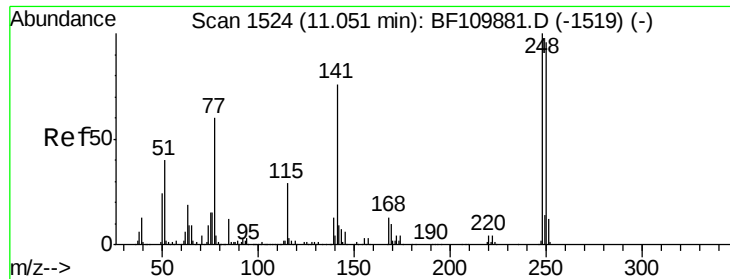


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

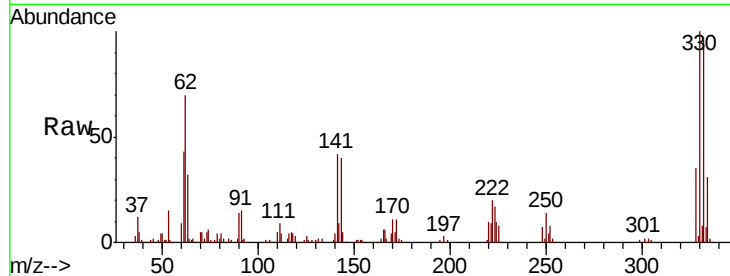




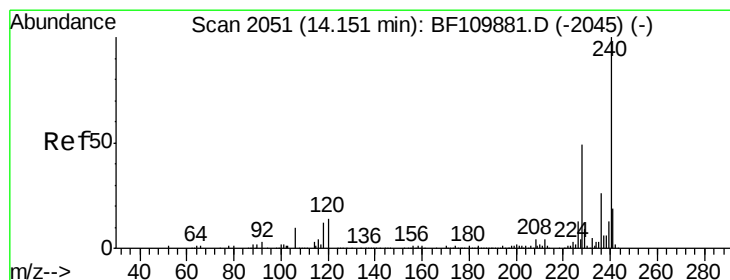
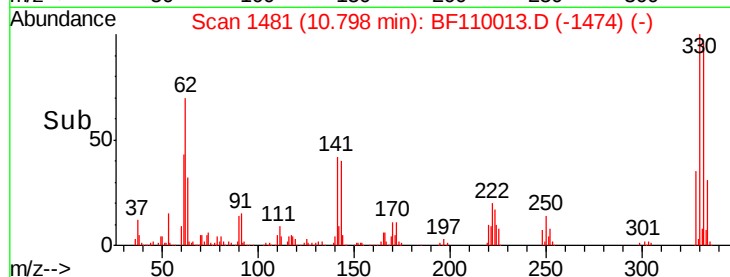
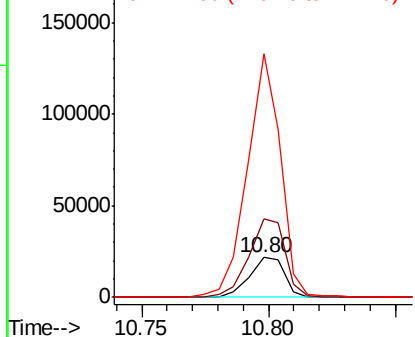
#67
 4-Bromophenyl-phenylether
 Concen: 2.745 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.26 min
 Lab File: BF110013.D
 Acq: 19 Oct 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 21491
 Ion Ratio Lower Upper
 248 100
 250 196.5 79.4 119.2#
 141 611.3 55.9 83.9#

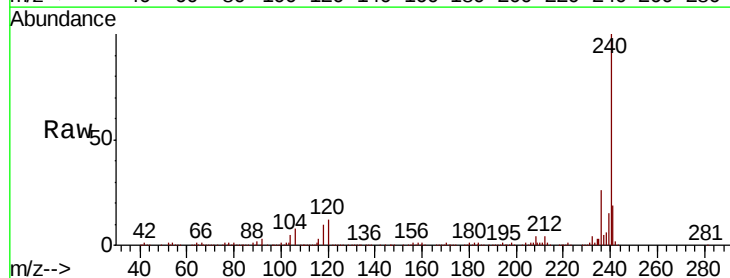


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

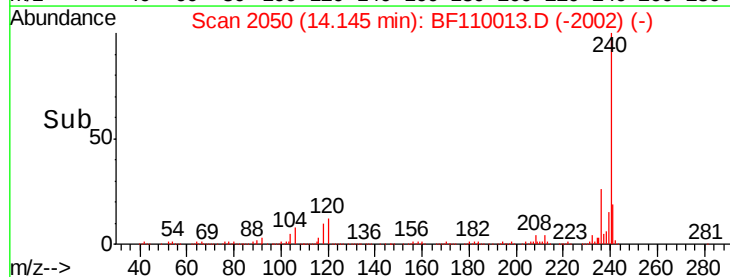
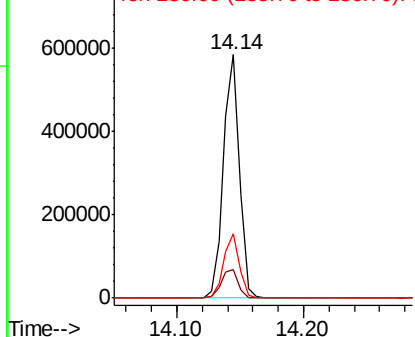


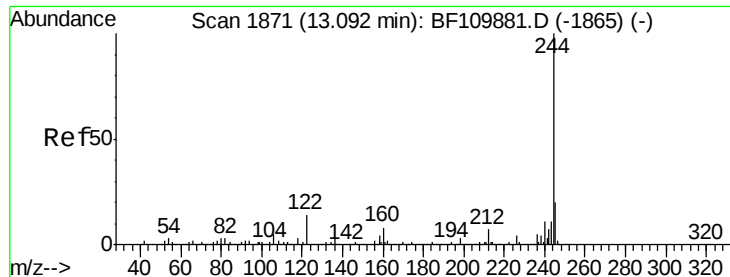
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2050
 Delta R.T. -0.02 min
 Lab File: BF110013.D
 Acq: 19 Oct 2018 20:03

Tgt Ion:240 Resp: 514062
 Ion Ratio Lower Upper
 240 100
 120 11.9 8.3 12.5
 236 26.2 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



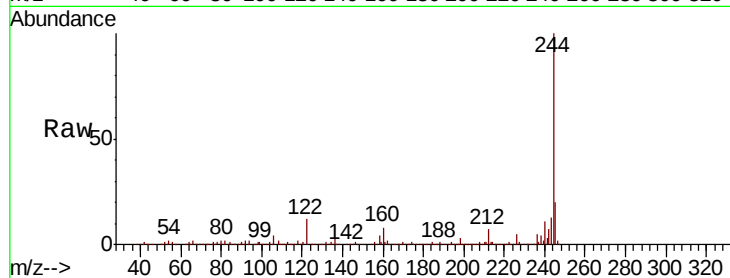


#79
 Terphenyl-d14
 Concen: 83.239 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF110013.D
 Acq: 19 Oct 2018 20:03

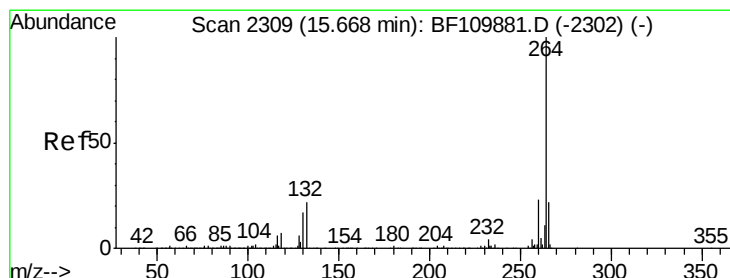
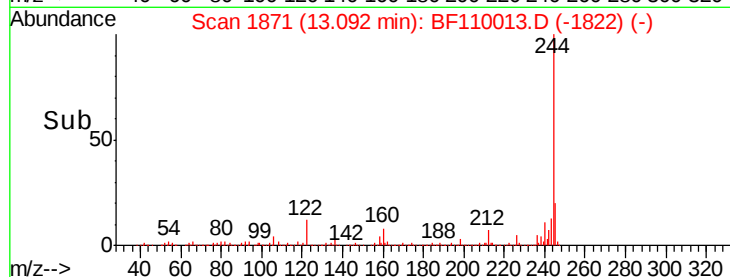
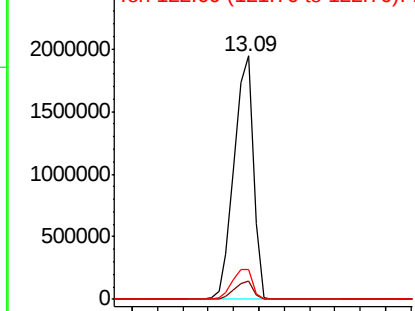
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 2037686

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	12.0	8.7	13.1



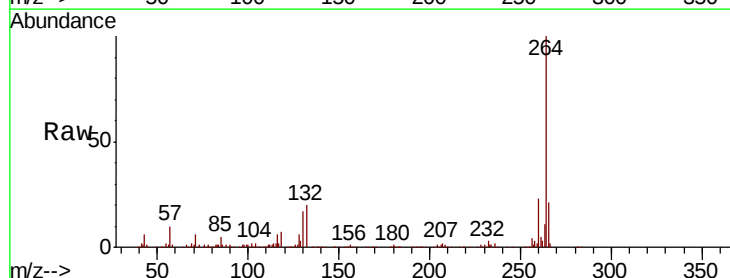
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. -0.03 min
 Lab File: BF110013.D
 Acq: 19 Oct 2018 20:03

Tgt Ion:264 Resp: 362783

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.7	28.1
265	20.8	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

