

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
 Data File : BF110596.D
 Acq On : 8 Nov 2018 20:26
 Operator : JU/SJ
 Sample : J5851-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 08:42:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 08 14:14:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	69711	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	290773	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	139764	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	285687	20.00	ng	0.00
76) Chrysene-d12	14.13	240	237272	20.00	ng	-0.01
87) Perylene-d12	15.65	264	154537	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	183627	42.79	ng	0.00
7) Phenol-d6	6.56	99	139551	25.43	ng	-0.01
23) Nitrobenzene-d5	7.51	82	537598	106.47	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	130636	92.76	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1033752	105.63	ng	0.00
79) Terphenyl-d14	13.06	244	1021557	80.63	ng	0.00

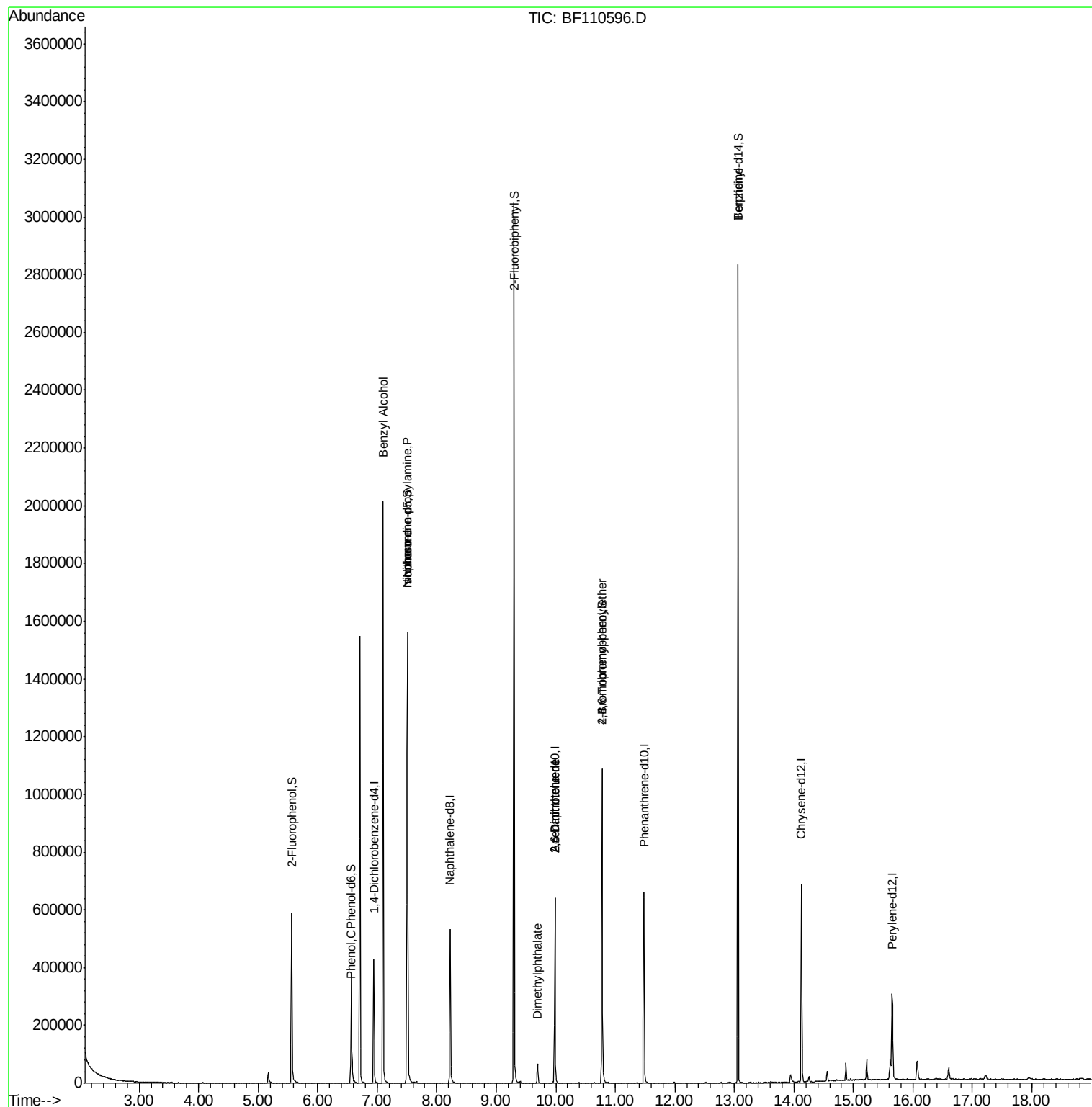
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.57	94	21503	3.38	ng	# 70
15) Benzyl Alcohol	7.10	79	8808	2.05	ng	# 52
19) n-Nitroso-di-n-propylamine	7.51	70	70476	20.12	ng	# 79
25) Isophorone	7.51	82	537595	64.96	ng	# 67
50) Dimethylphthalate	9.69	163	32894	3.15	ng	100
51) 2,6-Dinitrotoluene	9.99	165	17790	7.75	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	17790	5.96	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	8510	2.70	ng	# 1
77) Benzidine	13.06	184	13521	2.07	ng	# 97

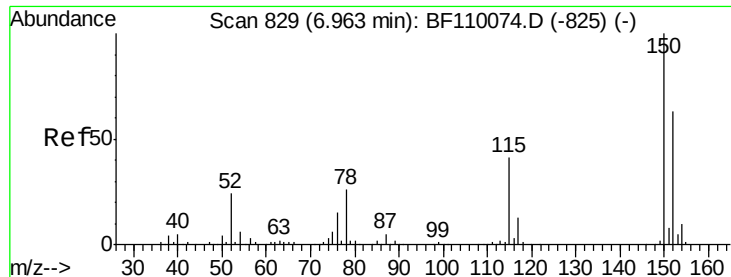
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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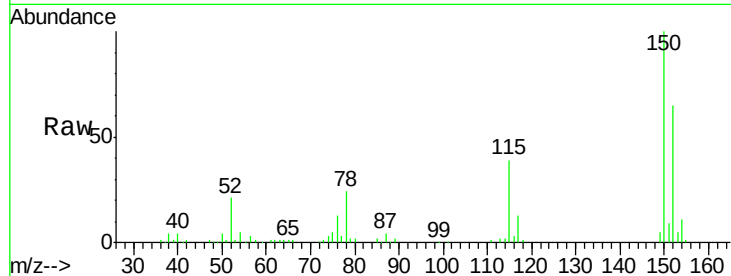


#1

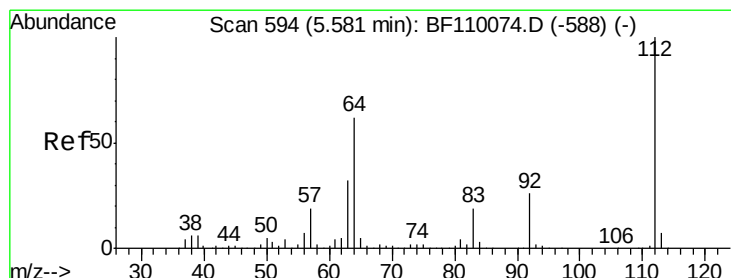
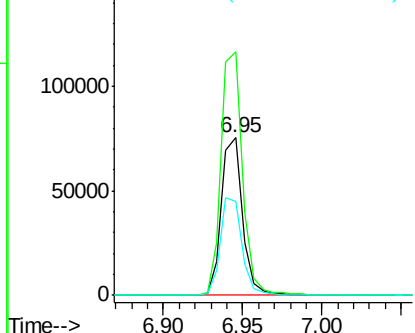
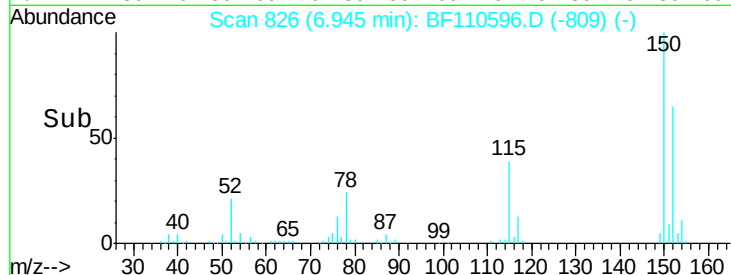
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 69711
Ion Ratio Lower Upper
152 100
150 154.8 122.7 184.1
115 59.7 49.1 73.7



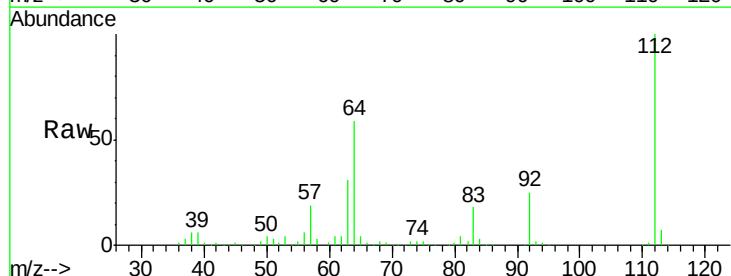
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



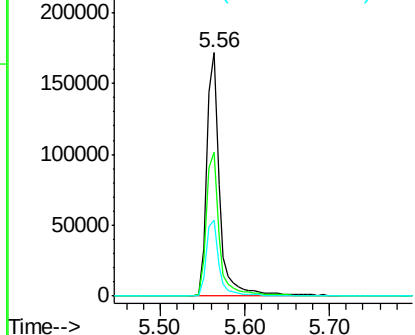
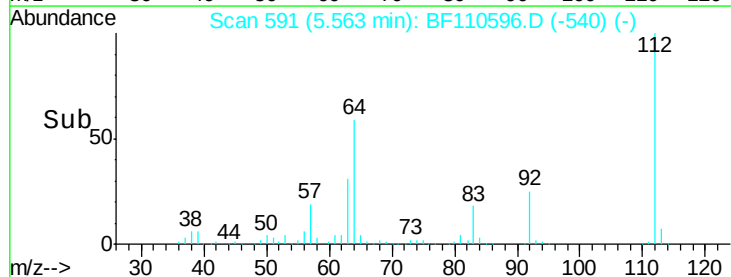
#5

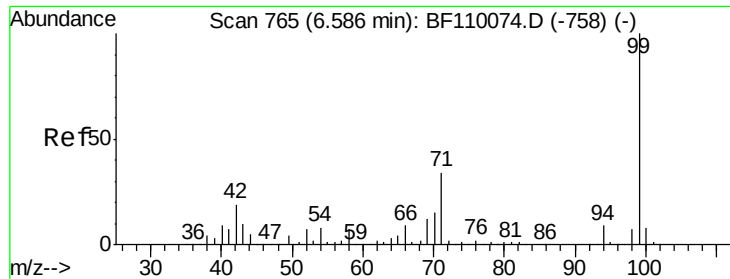
2-Fluorophenol
Concen: 42.79 ng
RT: 5.56 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

Tgt Ion:112 Resp: 183627
Ion Ratio Lower Upper
112 100
64 58.9 44.1 66.1
63 31.3 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: 25.43 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

Instrument :

BNA_F

ClientSampleId :

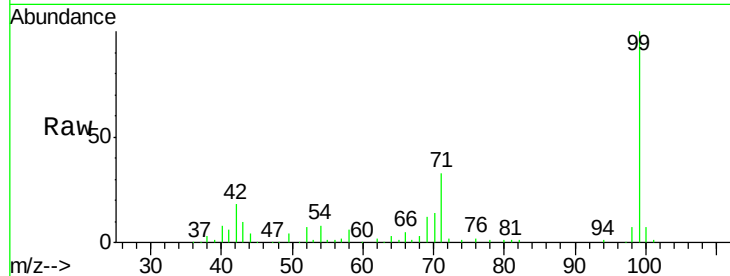
Tot Ion: 99 Resp: 139551

Ion Ratio Lower Upper

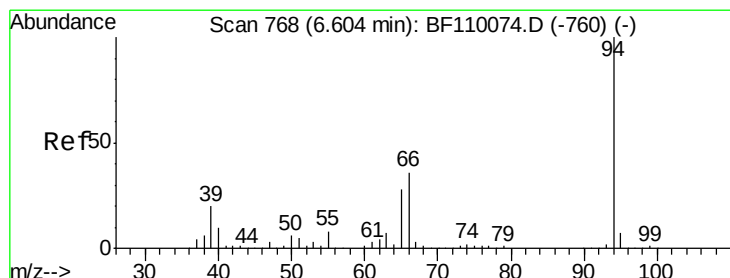
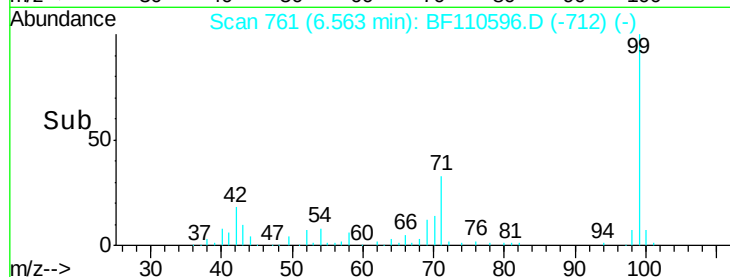
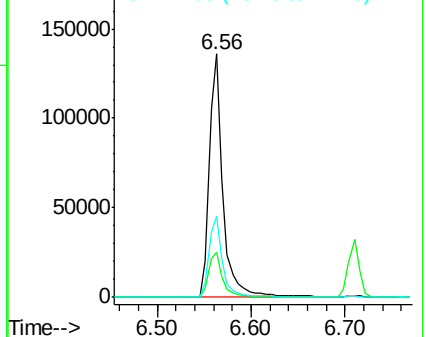
99 100

42 18.4 15.8 23.6

71 33.2 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



#10

Phenol

Concen: 3.38 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

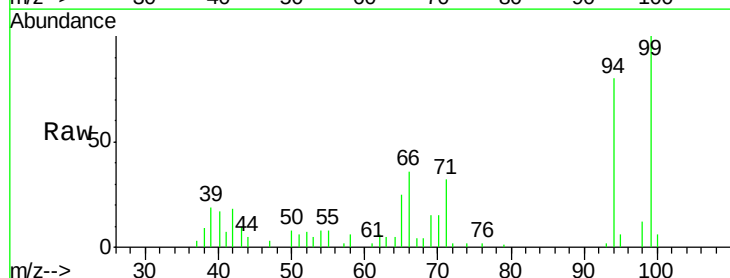
Tgt Ion: 94 Resp: 21503

Ion Ratio Lower Upper

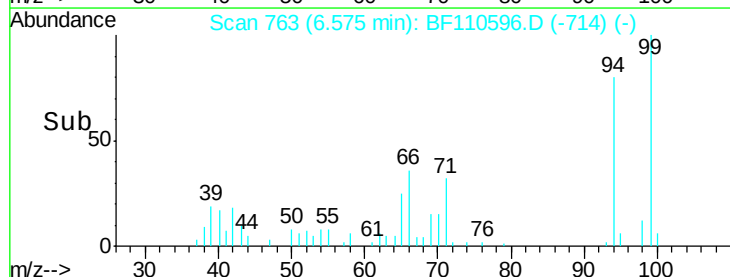
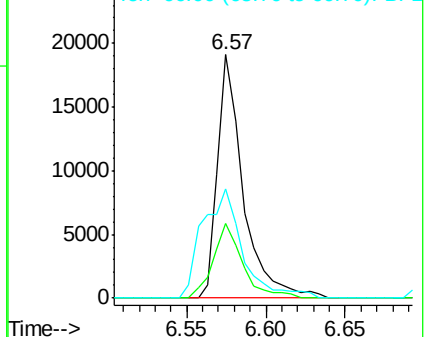
94 100

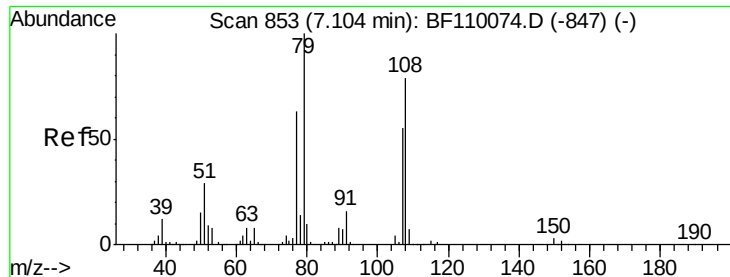
65 30.7 25.3 65.3

66 44.9 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

Instrument :

BNA_F

ClientSampleId :

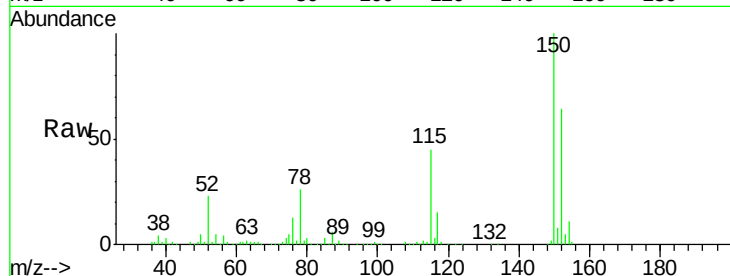
Tot Ion: 79 Resp: 8808

Ion Ratio Lower Upper

79 100

108 31.1 56.3 84.5#

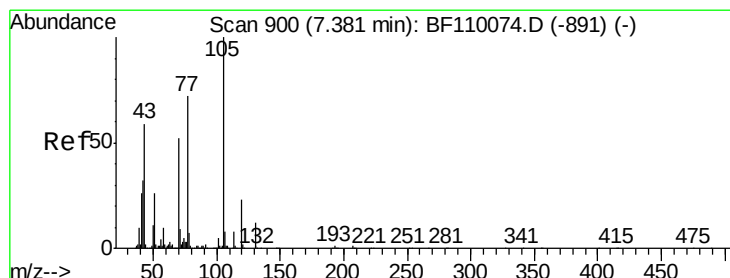
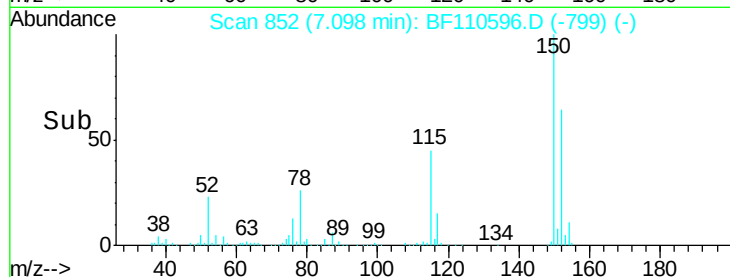
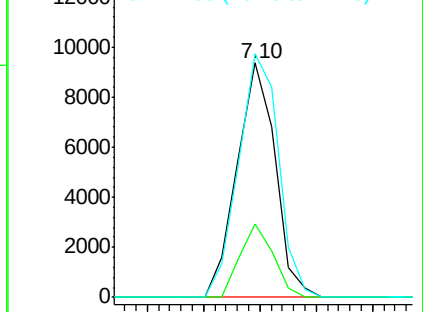
77 103.9 52.9 79.3#



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: 20.12 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

Tgt Ion: 70 Resp: 70476

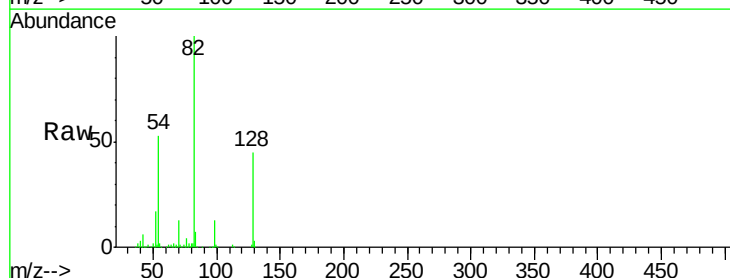
Ion Ratio Lower Upper

70 100

42 48.3 47.4 71.2

101 0.0 7.3 10.9#

130 2.3 16.2 24.2#

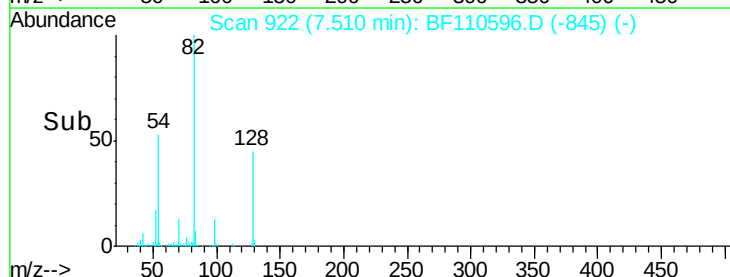
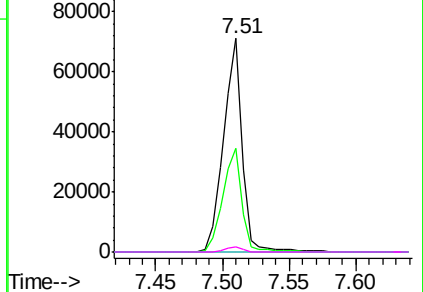


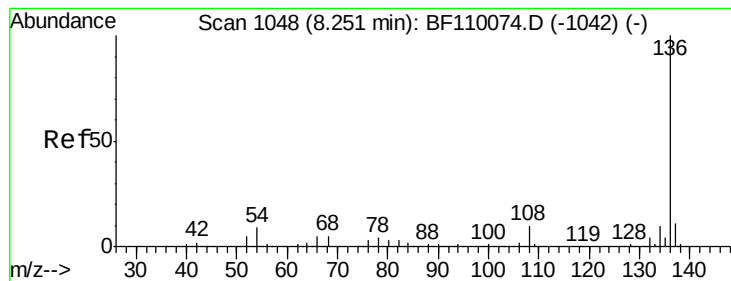
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 20.00 ng

RT: 8.23 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 290773

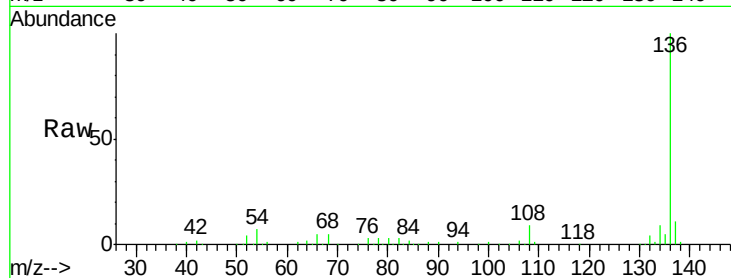
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.4 5.4 8.2

68 4.7 4.2 6.2

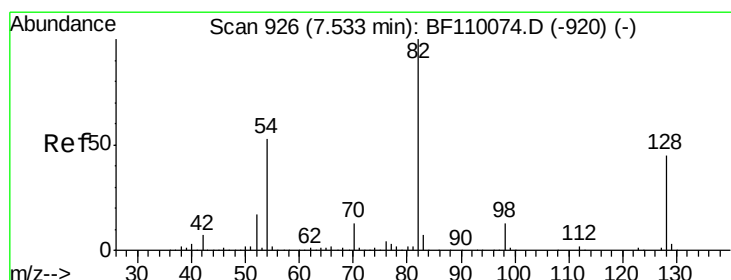
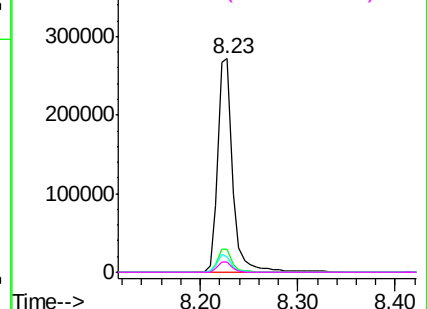
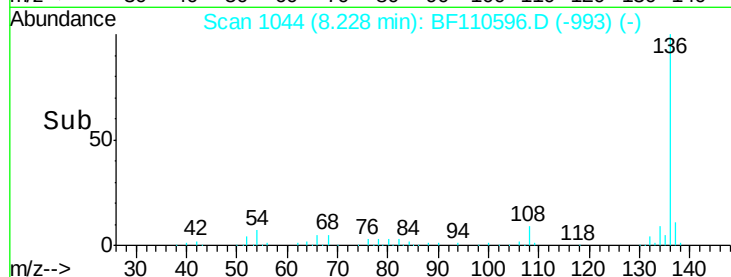


Abundance Ion 136.00 (135.70 to 136.70): E

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: 106.47 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

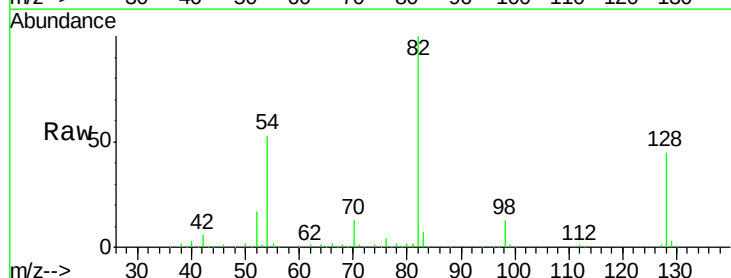
Tgt Ion: 82 Resp: 537598

Ion Ratio Lower Upper

82 100

128 45.1 34.2 51.2

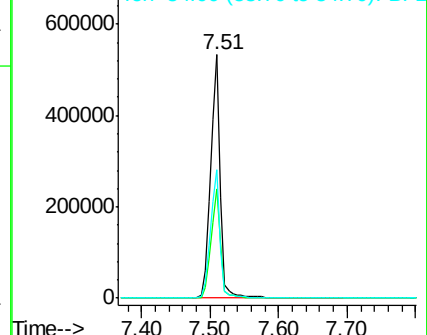
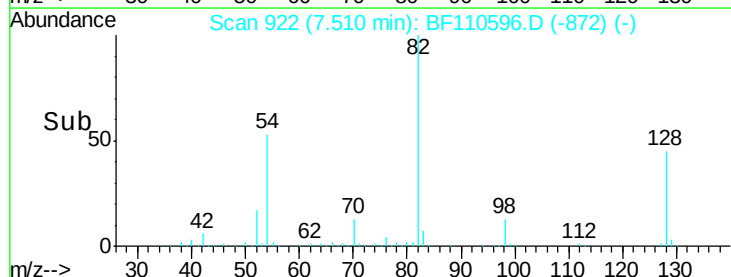
54 52.5 38.6 58.0

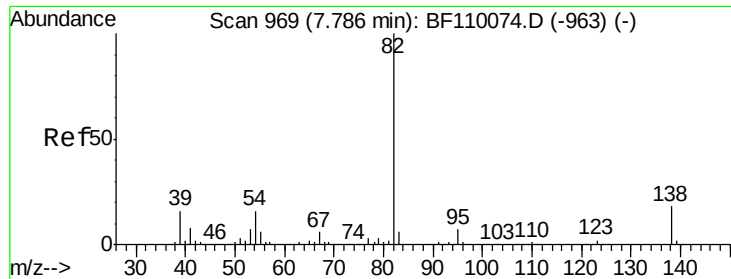


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 64.96 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

Instrument :

BNA_F

ClientSampleId :

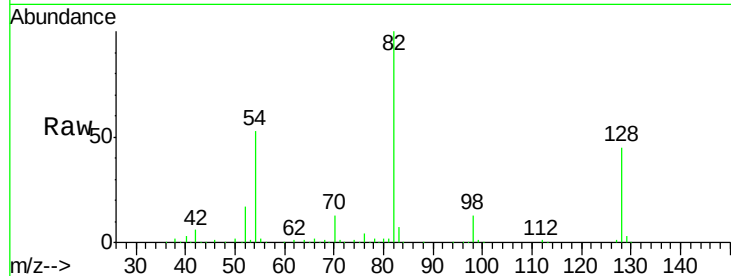
Tot Ion: 82 Resp: 537595

Ion Ratio Lower Upper

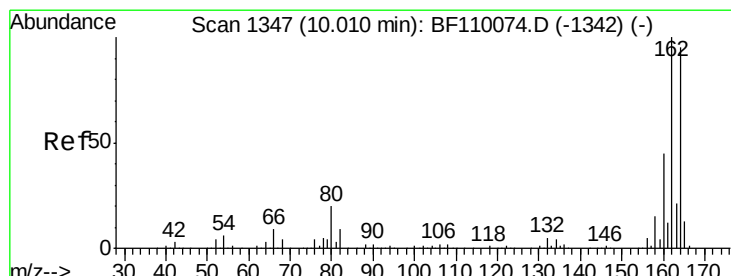
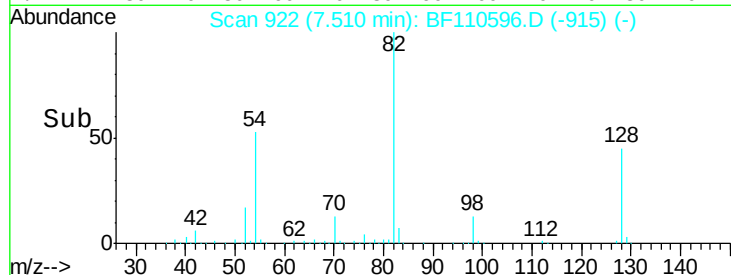
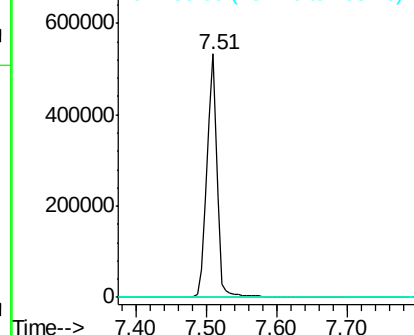
82 100

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: 20.00 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

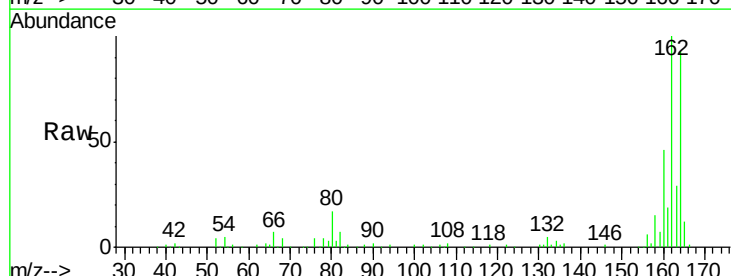
Tgt Ion: 164 Resp: 139764

Ion Ratio Lower Upper

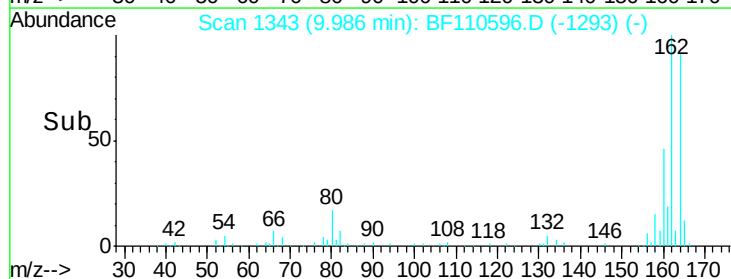
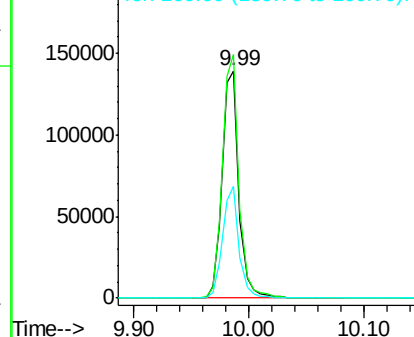
164 100

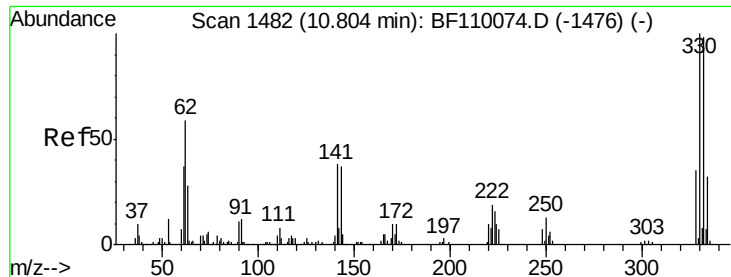
162 107.0 83.0 124.6

160 49.3 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

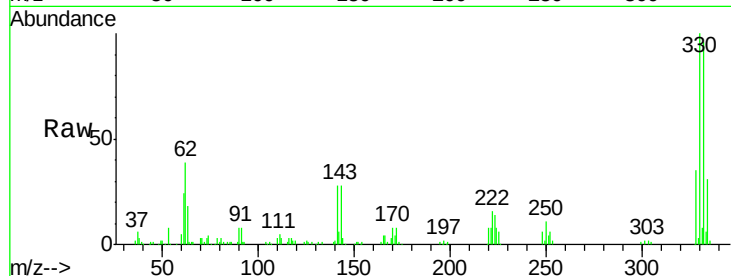




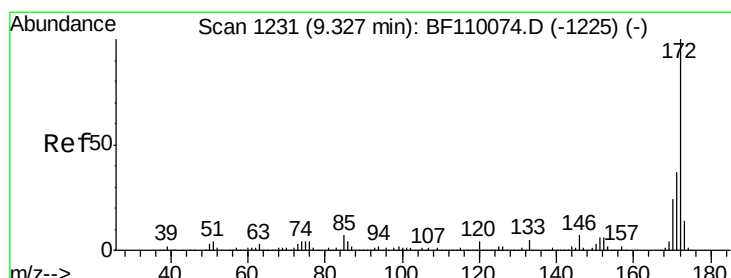
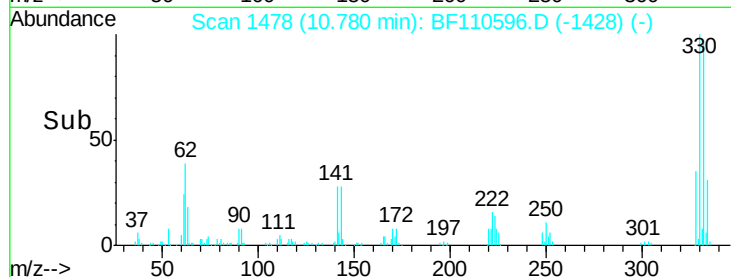
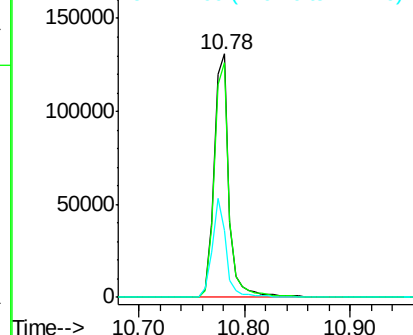
#42
 2,4,6-Tribromophenol
 Concen: 92.76 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110596.D
 Acq: 8 Nov 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.1	115.7
141	37.3	27.0	40.4

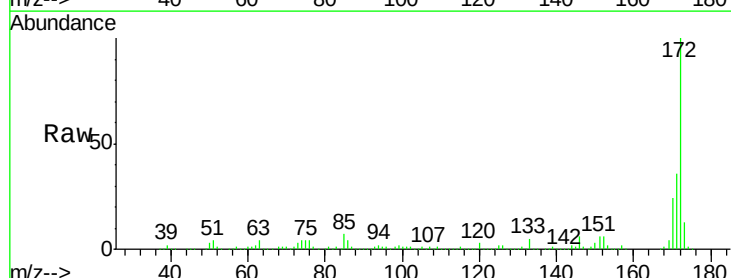


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

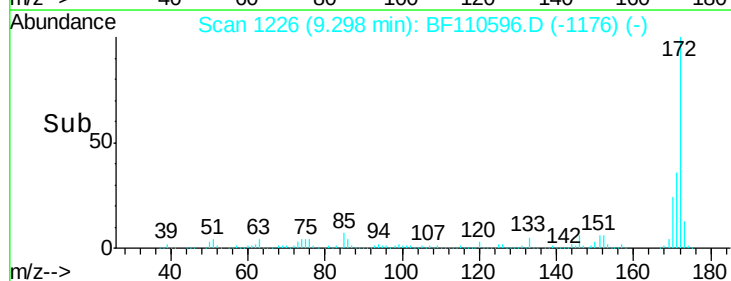
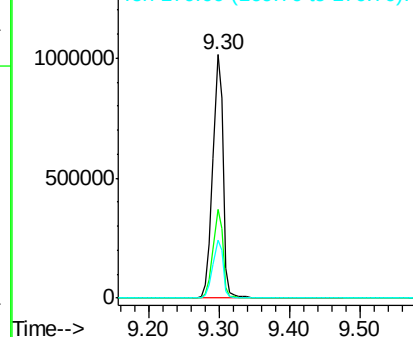


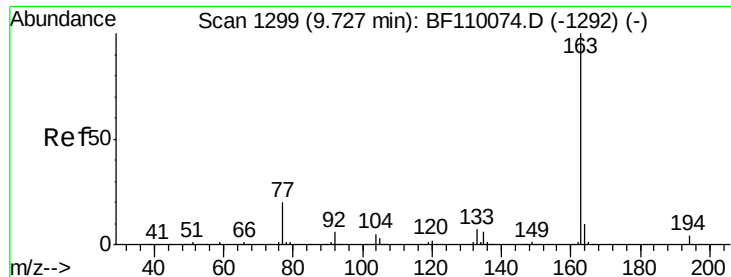
#45
 2-Fluorobiphenyl
 Concen: 105.63 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110596.D
 Acq: 8 Nov 2018 20:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	23.9	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

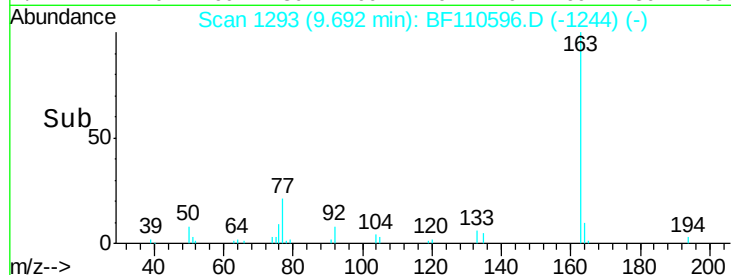
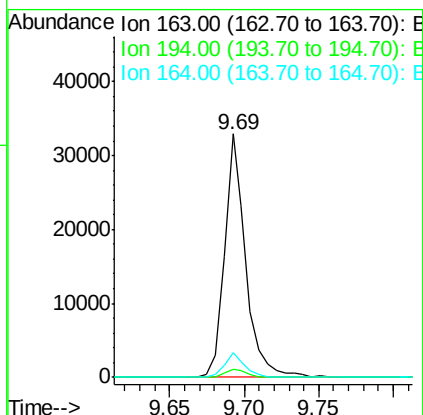
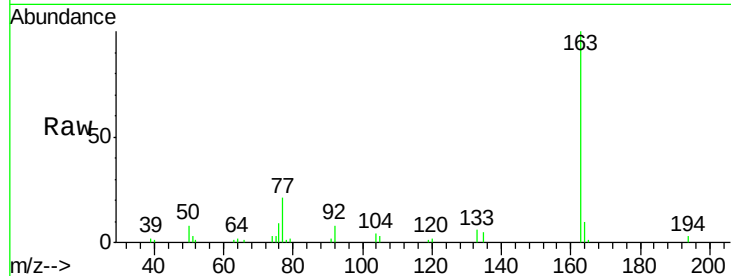




#50
Dimethylphthalate
Concen: 3.15 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

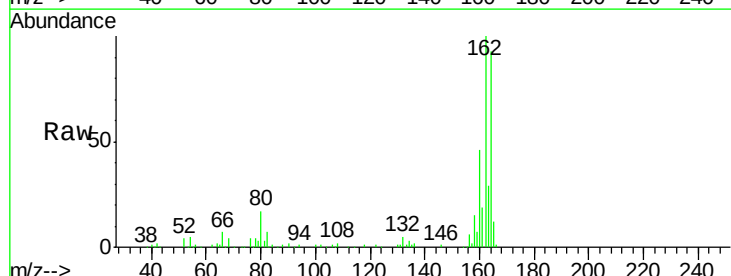
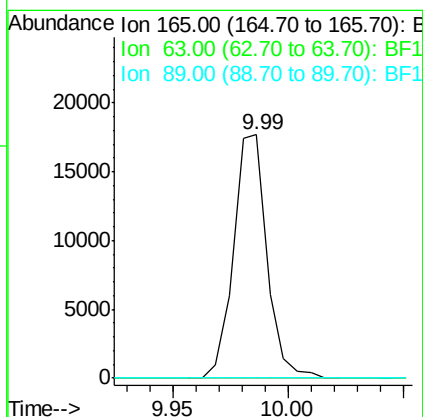
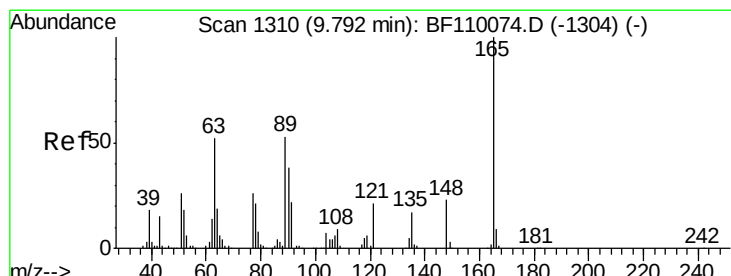
Instrument :
BNA_F
ClientSampleId :

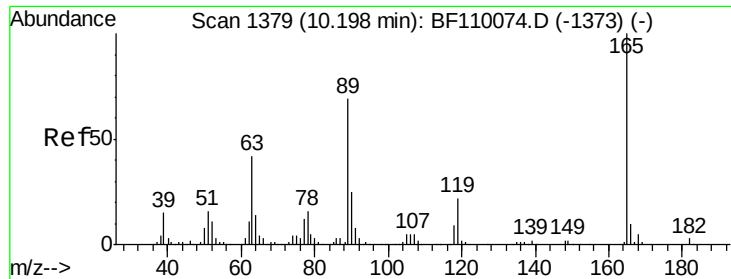
Tot Ion:163 Resp: 32894
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 10.1 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.75 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.21 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

Tgt Ion:165 Resp: 17790
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 0.0 46.6 69.8#

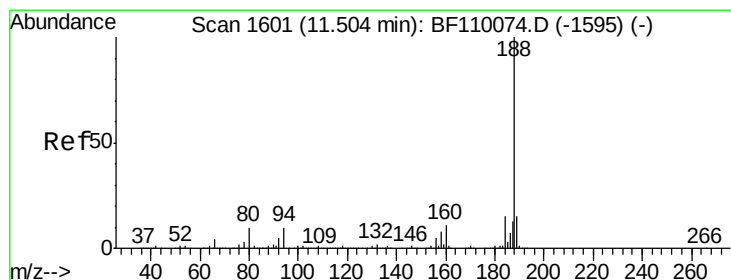
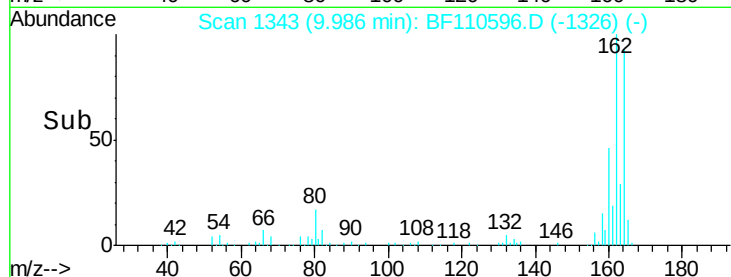
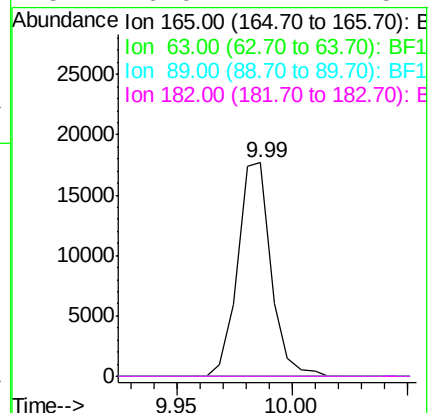
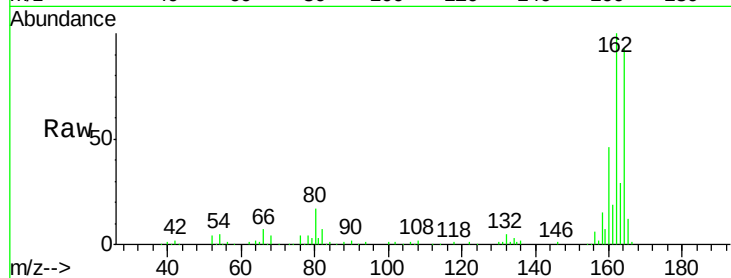




#57
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.20 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

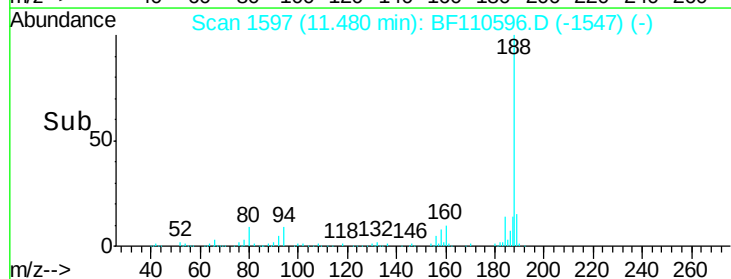
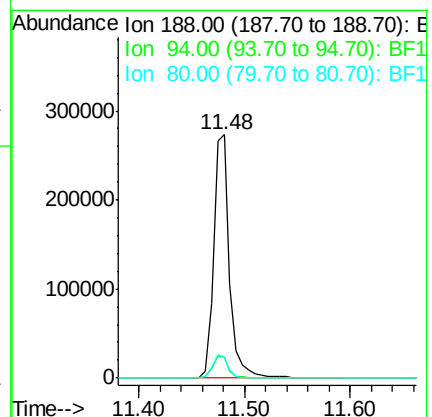
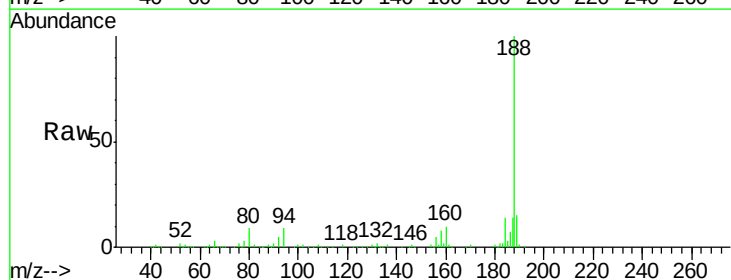
Instrument :
BNA_F
ClientSampleId :

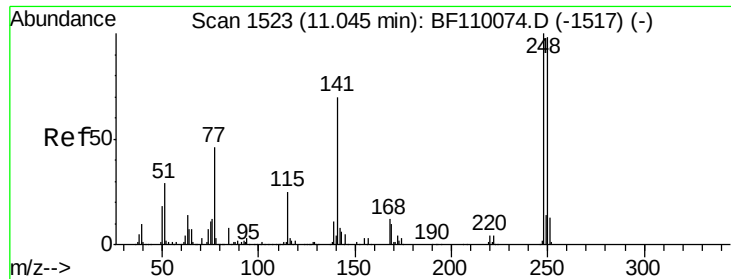
Tot Ion:165	Resp:	17790
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	0.0	62.2 93.4#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

Tgt Ion:188	Resp:	285687
Ion Ratio	Lower	Upper
188	100	
94	8.5	7.2 10.8
80	8.7	7.9 11.9

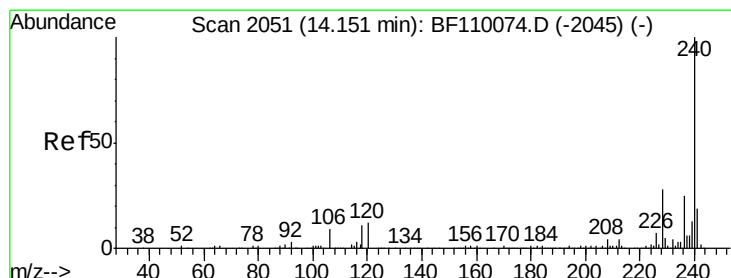
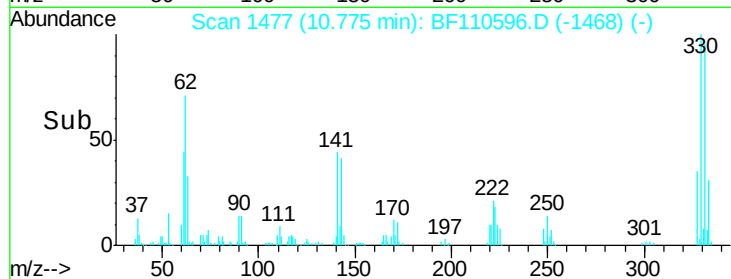
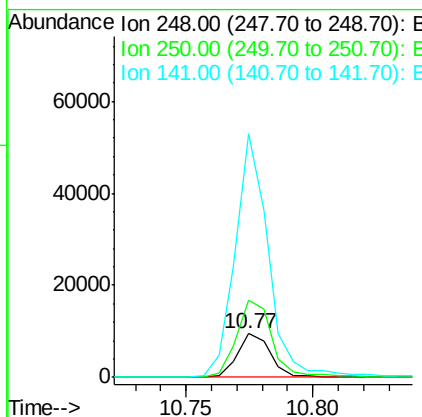
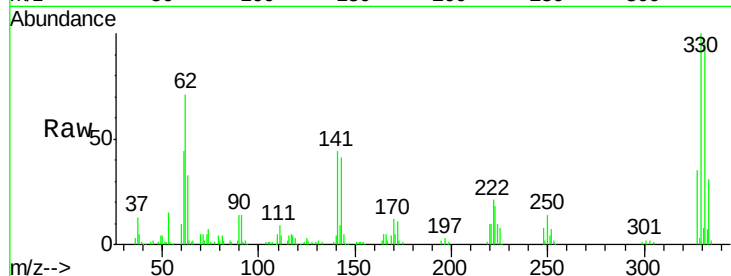




#67
4-Bromophenyl-phenylether
Concen: 2.70 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

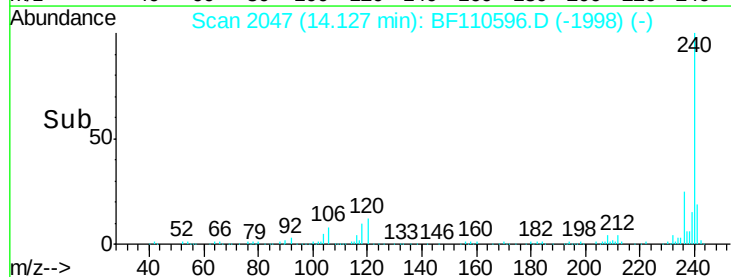
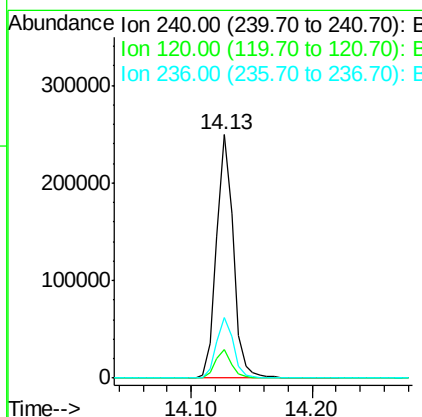
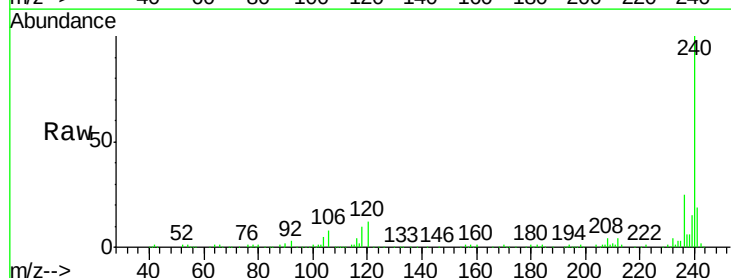
Instrument :
BNA_F
ClientSampleId :

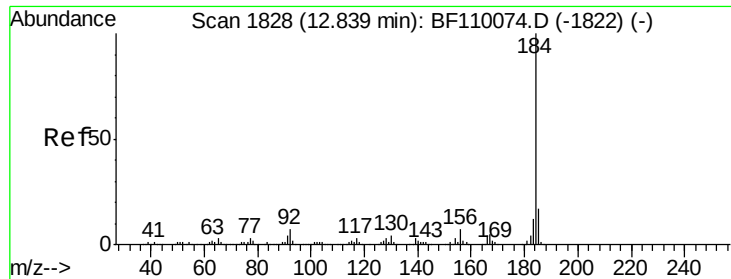
Tot Ion:248 Resp: 8510
Ion Ratio Lower Upper
248 100
250 177.7 79.4 119.2#
141 561.5 55.9 83.9#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110596.D
Acq: 8 Nov 2018 20:26

Tgt Ion:240 Resp: 237272
Ion Ratio Lower Upper
240 100
120 11.8 8.3 12.5
236 25.1 21.2 31.8





#77

Benzidine

Concen: 2.07 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.24 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

Instrument :

BNA_F

ClientSampleId :

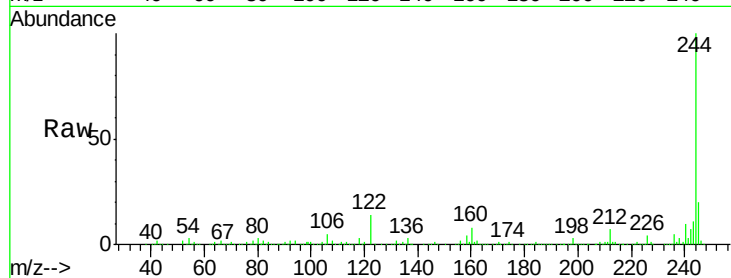
Tot Ion:184 Resp: 13521

Ion Ratio Lower Upper

184 100

185 16.7 13.4 20.2

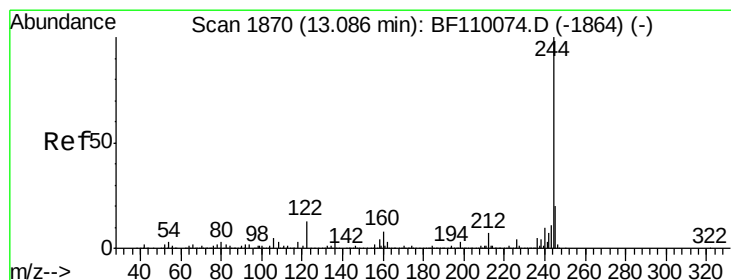
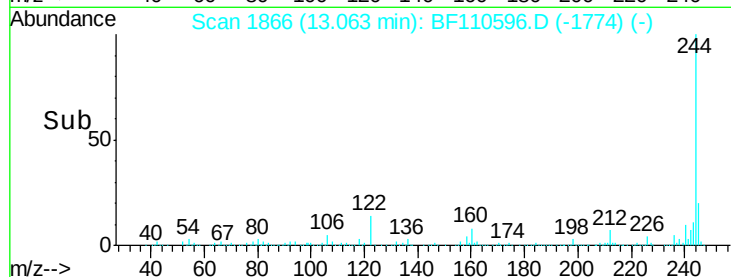
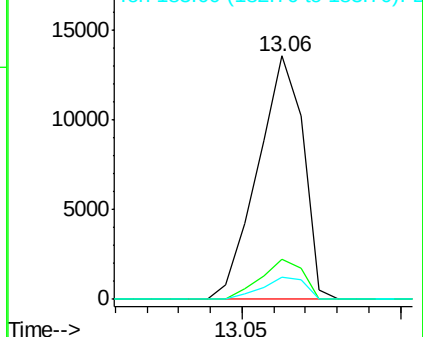
183 9.1 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 80.63 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110596.D

Acq: 8 Nov 2018 20:26

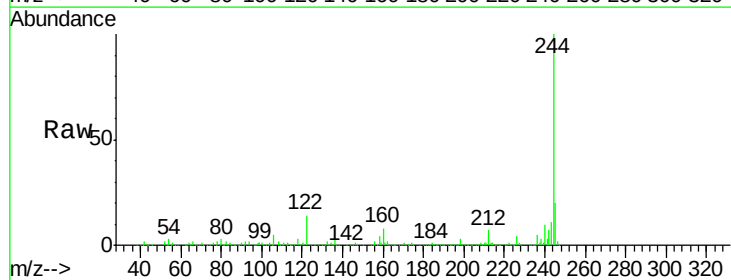
Tgt Ion:244 Resp: 1021557

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

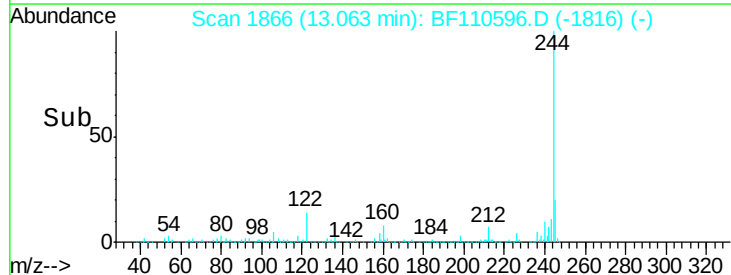
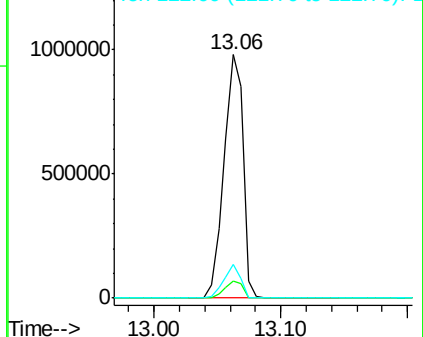
122 13.8 8.7 13.1#

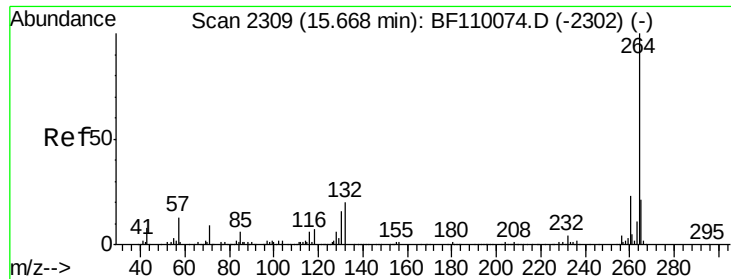


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.65 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: BF110596.D
 Acq: 8 Nov 2018 20:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.0	16.7	25.1

