

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110708.D
 Acq On : 13 Nov 2018 7:39
 Operator : JU/SJ
 Sample : J5904-19
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 10:37:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

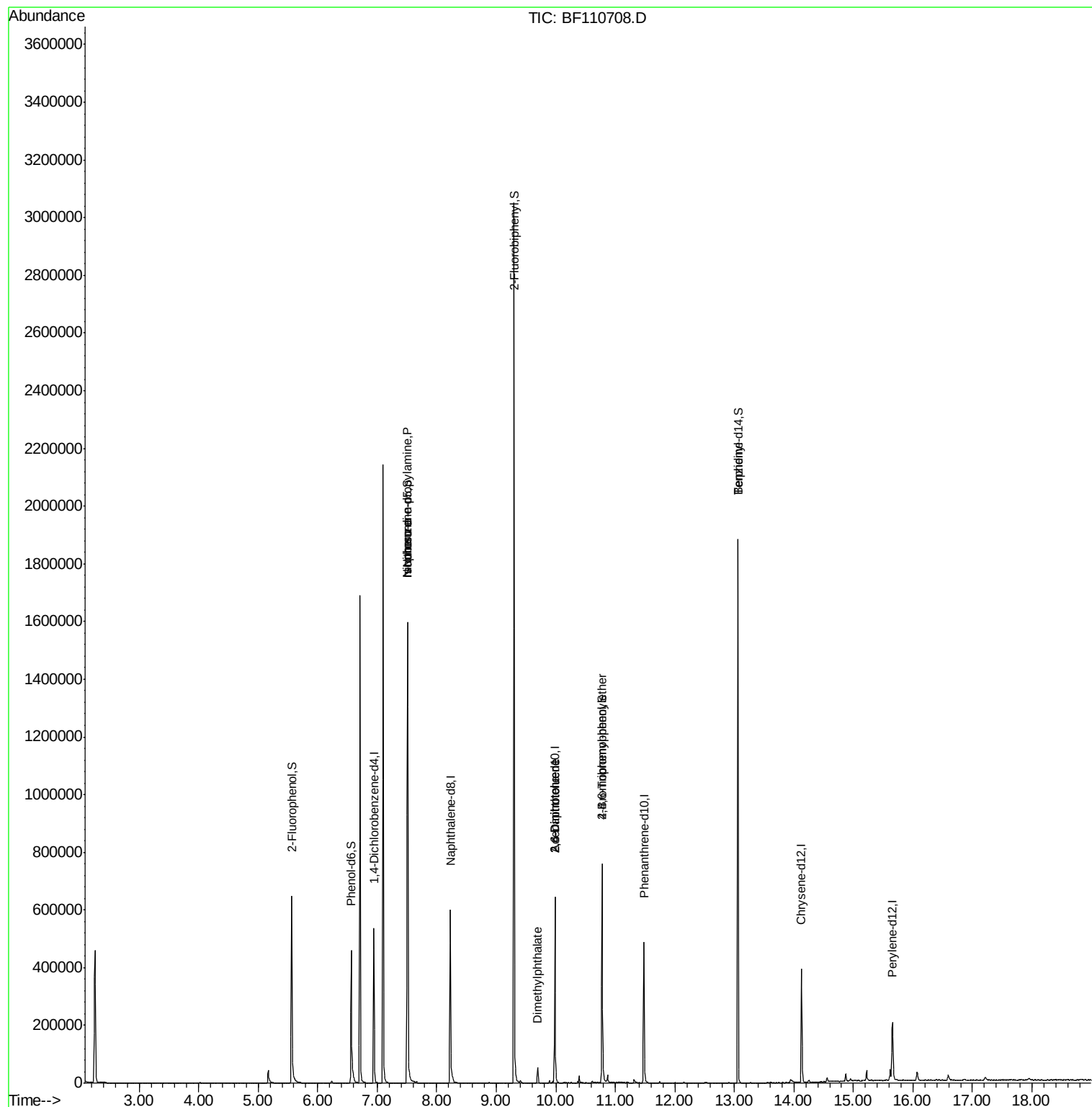
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	79770	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	330069	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	138085	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	218102	20.00	ng	0.00
76) Chrysene-d12	14.13	240	151331	20.00	ng	-0.01
87) Perylene-d12	15.66	264	113183	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	222409	45.29	ng	0.00
7) Phenol-d6	6.56	99	169729	27.03	ng	-0.01
23) Nitrobenzene-d5	7.51	82	570436	99.53	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	101493	72.94	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1014187	104.90	ng	0.00
79) Terphenyl-d14	13.06	244	655358	81.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	75098	18.734	ng	# 81
25) Isophorone	7.51	82	570432	60.724	ng	# 67
50) Dimethylphthalate	9.69	163	29918	2.904	ng	# 98
51) 2,6-Dinitrotoluene	9.99	165	16866	7.441	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	16866	5.723	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	6145	2.549	ng	# 1
77) Benzidine	13.06	184	8440	2.028	ng	95

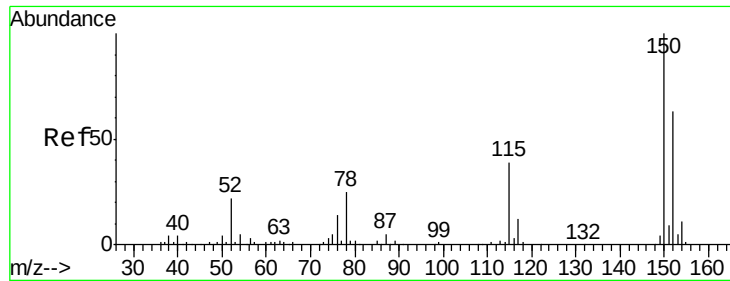
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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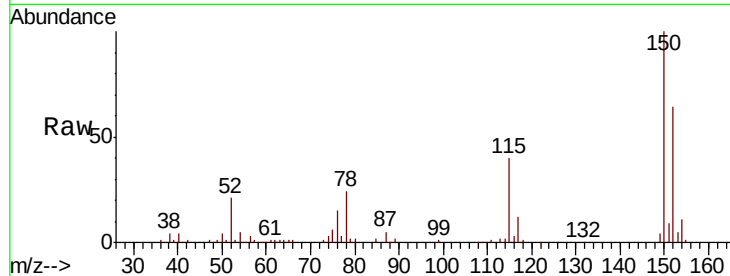


#1

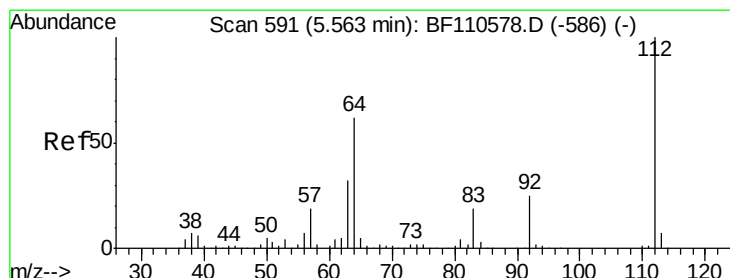
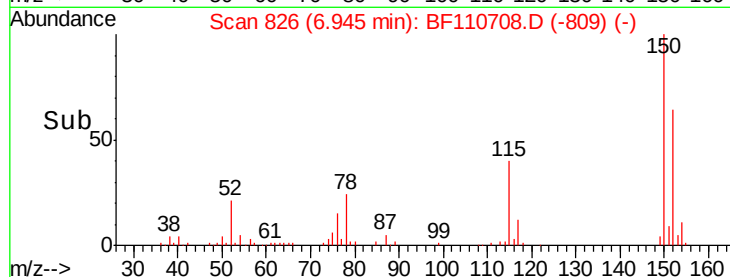
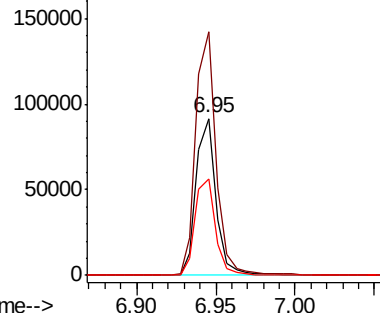
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110708.D
 Acq: 13 Nov 2018 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	122.7	184.1
115	61.7	49.1	73.7



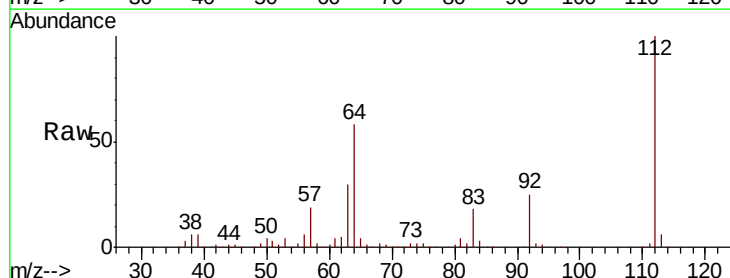
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



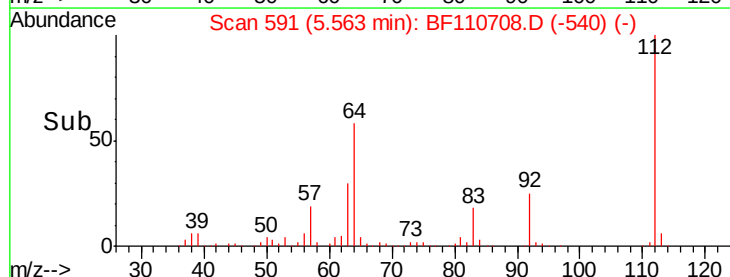
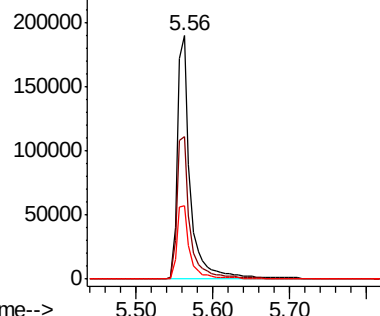
#5

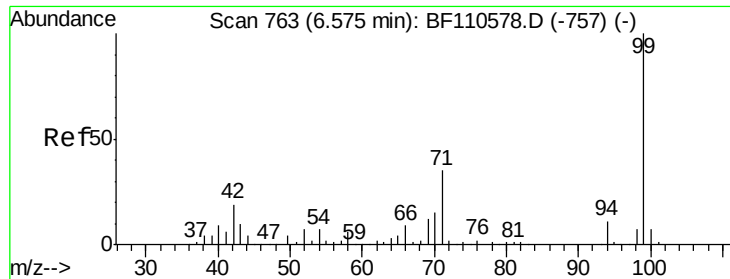
2-Fluorophenol
 Concen: 45.288 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110708.D
 Acq: 13 Nov 2018 7:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	44.1	66.1
63	30.3	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: 27.027 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110708.D

Acq: 13 Nov 2018 7:39

Instrument :

BNA_F

ClientSampleId :

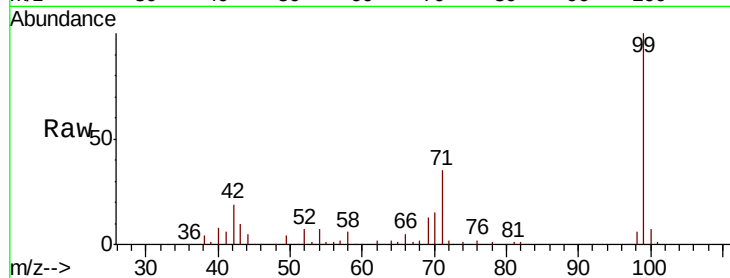
Tot Ion: 99 Resp: 169729

Ion Ratio Lower Upper

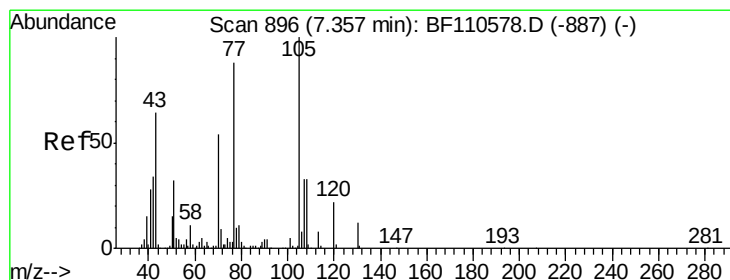
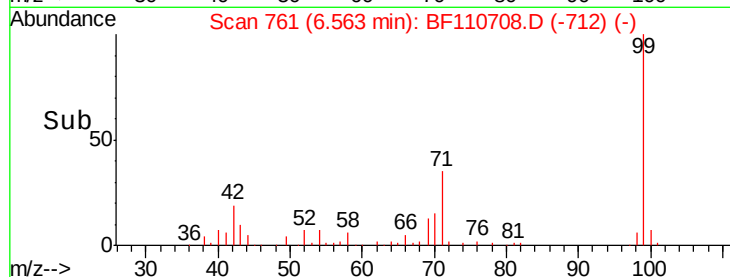
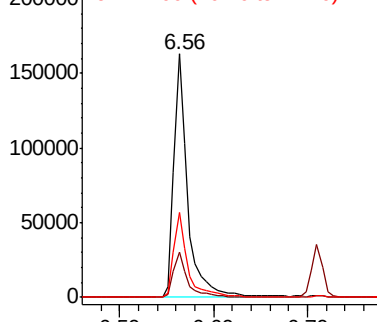
99 100

42 18.8 15.8 23.6

71 34.9 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: 18.734 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110708.D

Acq: 13 Nov 2018 7:39

Tgt Ion: 70 Resp: 75098

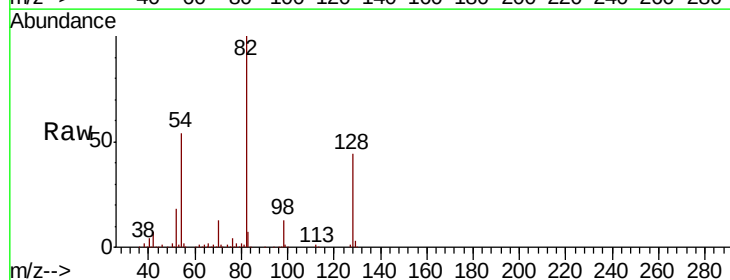
Ion Ratio Lower Upper

70 100

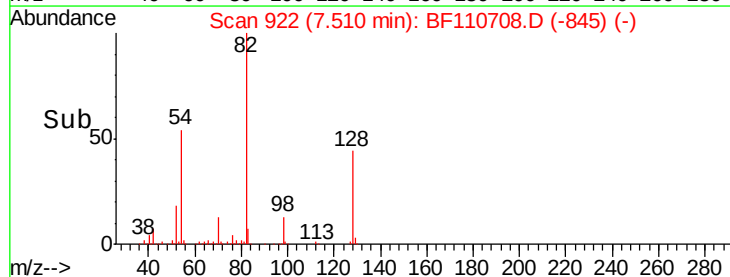
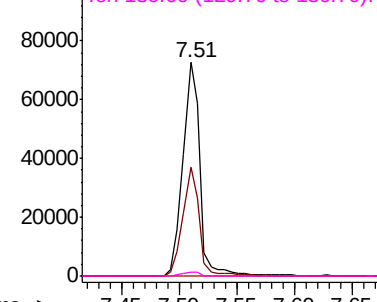
42 50.7 47.4 71.2

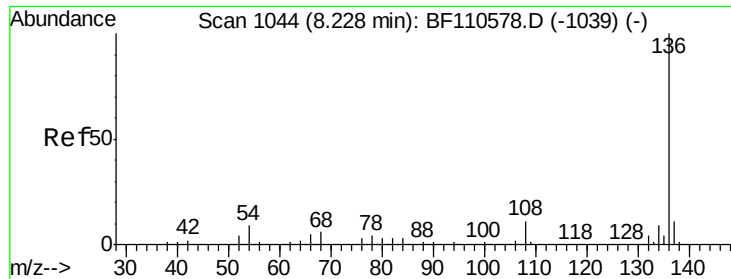
101 0.0 7.3 10.9#

130 1.8 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

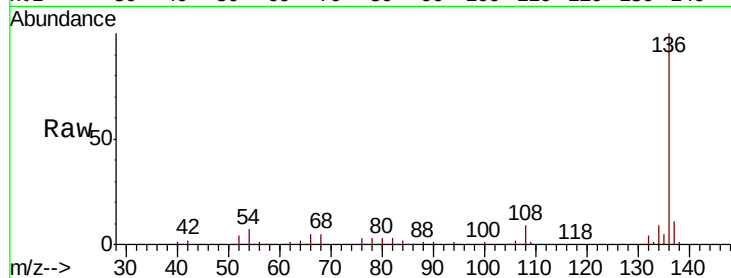




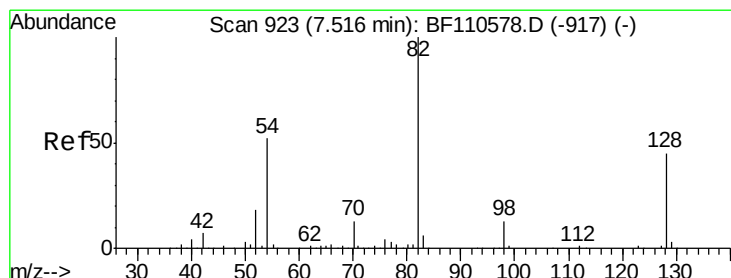
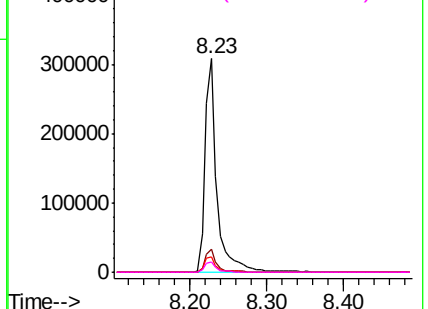
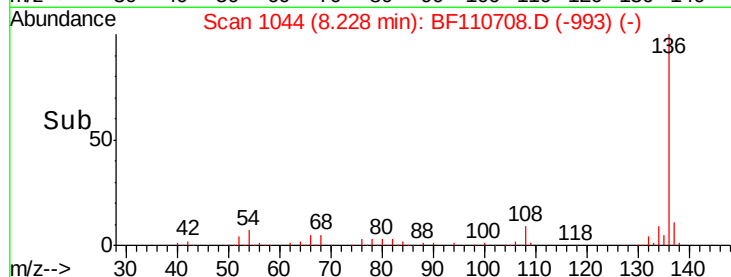
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	330069
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	7.4	5.4 8.2
68	5.0	4.2 6.2

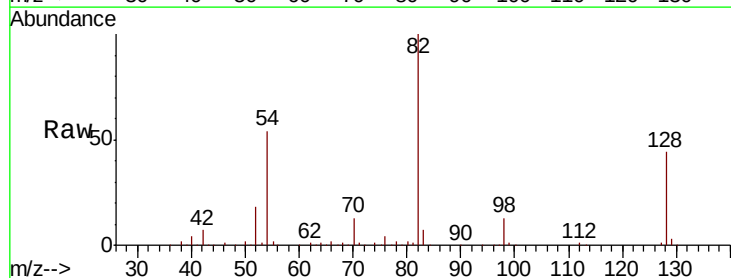


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

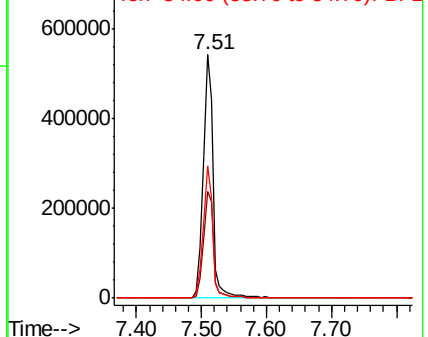
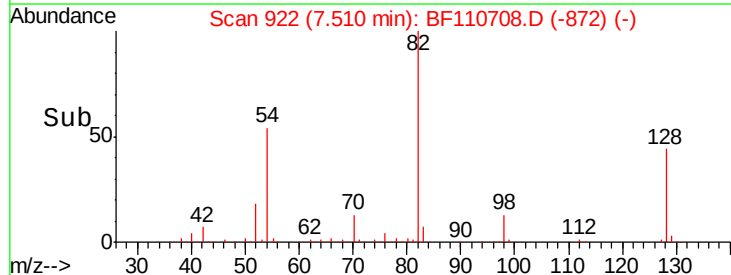


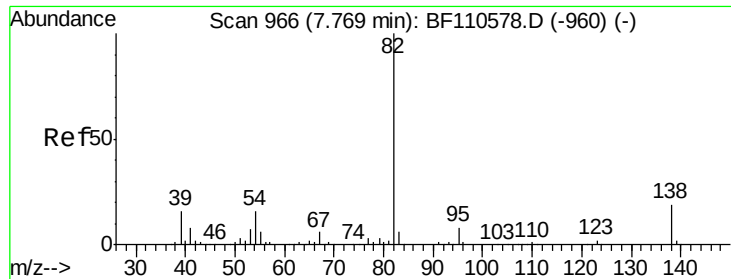
#23
Nitrobenzene-d5
Concen: 99.528 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

Tgt Ion: 82	Resp:	570436
Ion	Ratio	Lower Upper
82	100	
128	43.8	34.2 51.2
54	54.1	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

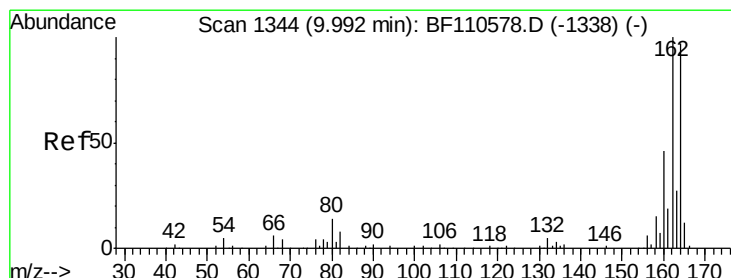
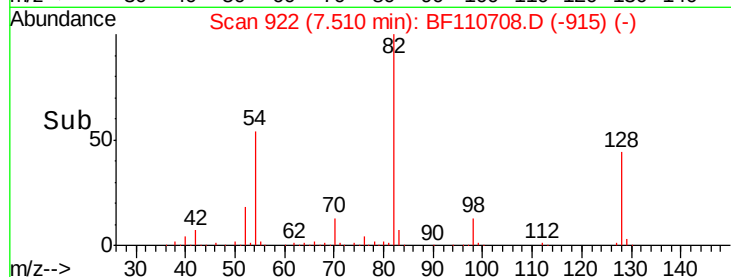
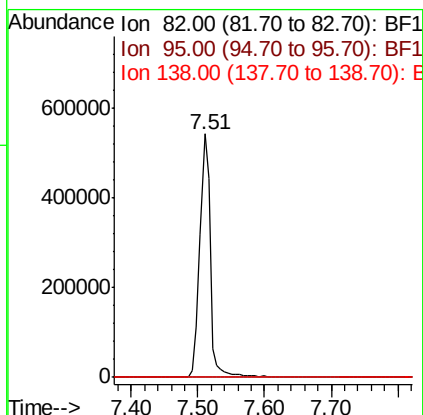
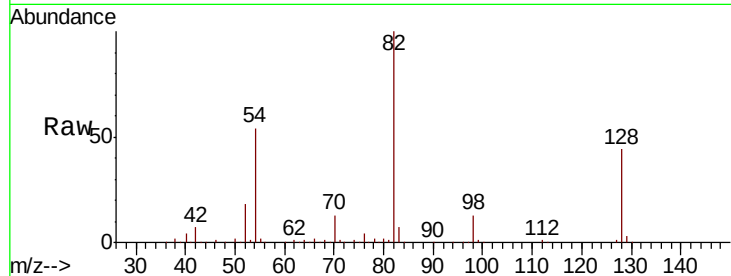




#25
Isophorone
Concen: 60.724 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

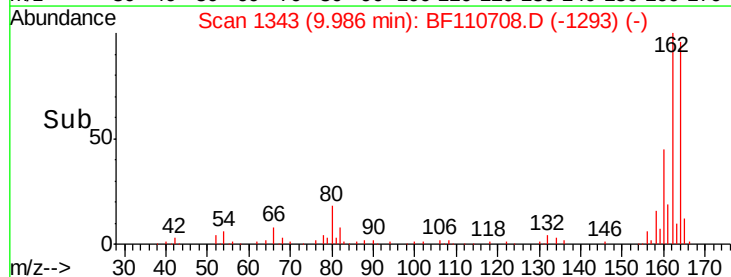
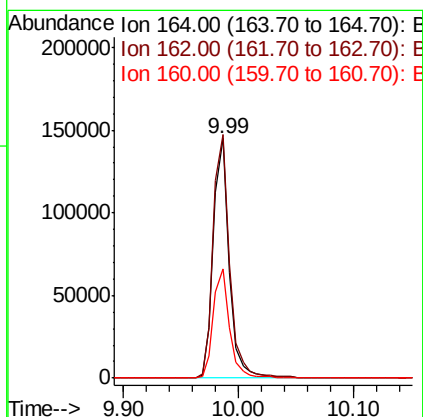
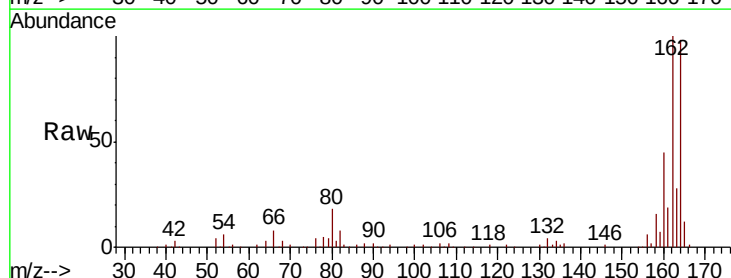
Instrument :
BNA_F
ClientSampleId :

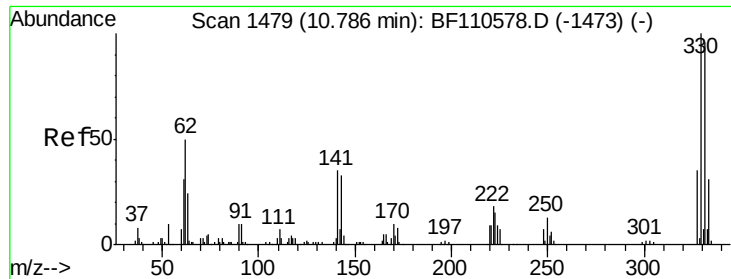
Tot Ion: 82 Resp: 570432
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

Tgt Ion: 164 Resp: 138085
Ion Ratio Lower Upper
164 100
162 101.7 83.0 124.6
160 45.7 37.0 55.6

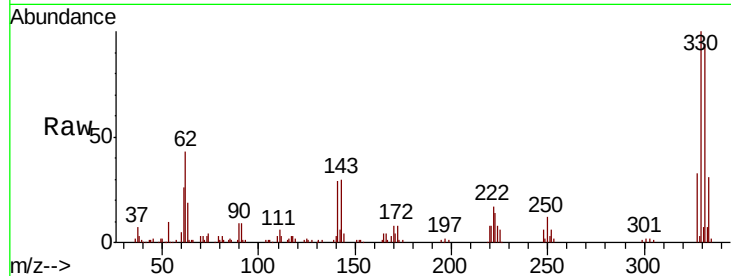




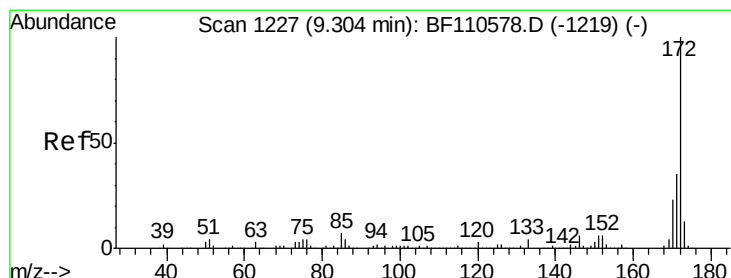
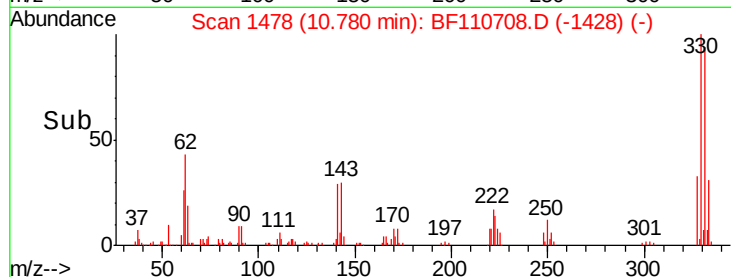
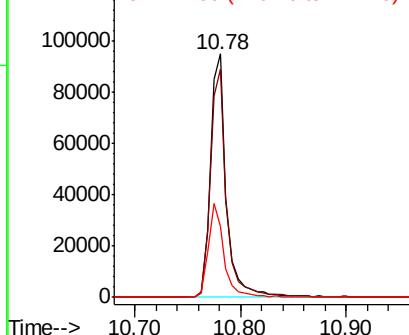
#42
 2,4,6-Tribromophenol
 Concen: 72.944 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110708.D
 Acq: 13 Nov 2018 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 101493
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.1 115.7
 141 38.0 27.0 40.4

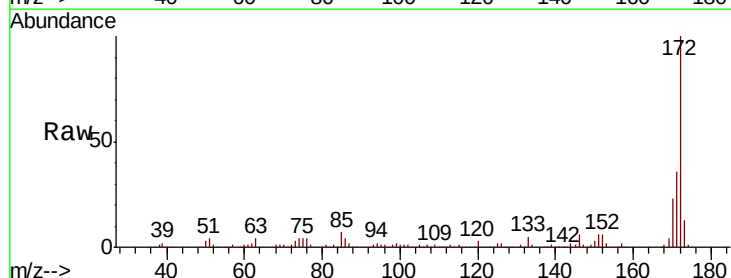


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

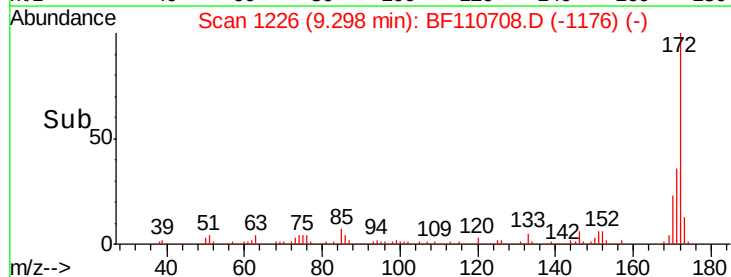
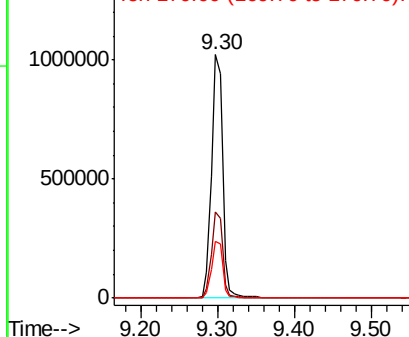


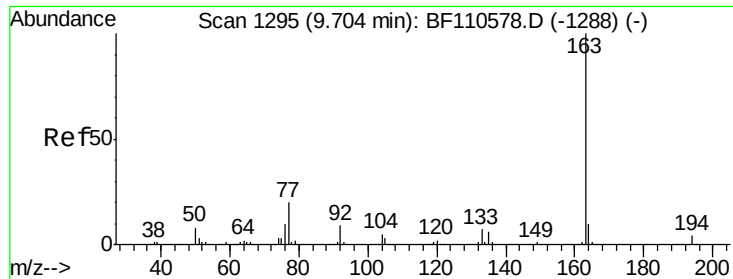
#45
 2-Fluorobiphenyl
 Concen: 104.895 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110708.D
 Acq: 13 Nov 2018 7:39

Tgt Ion:172 Resp: 1014187
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.4 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

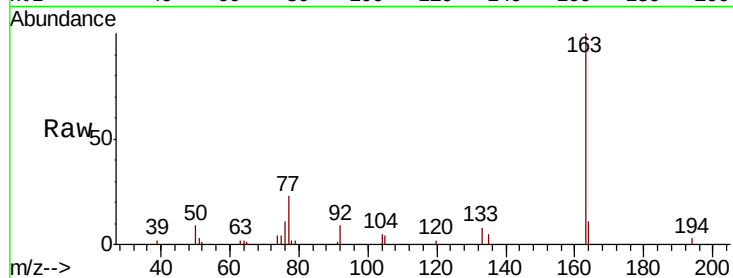




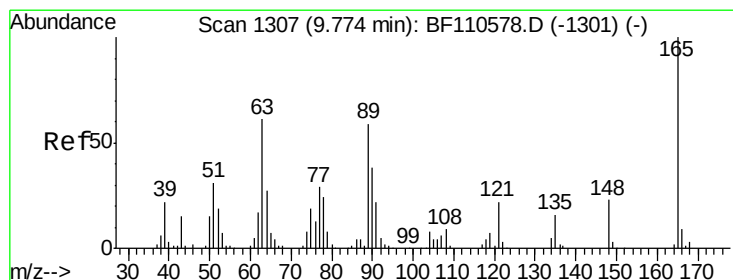
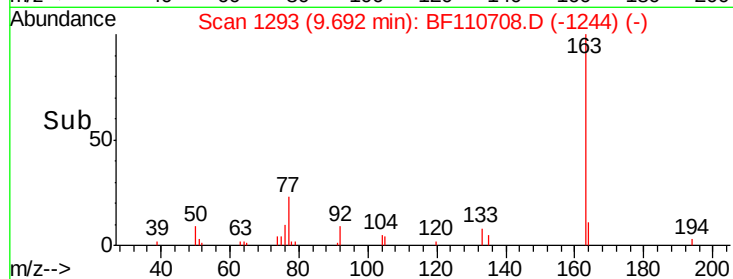
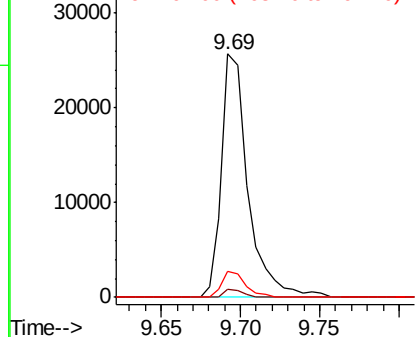
#50
Dimethylphthalate
Concen: 2.904 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.2	4.8#
164	10.6	8.1	12.1

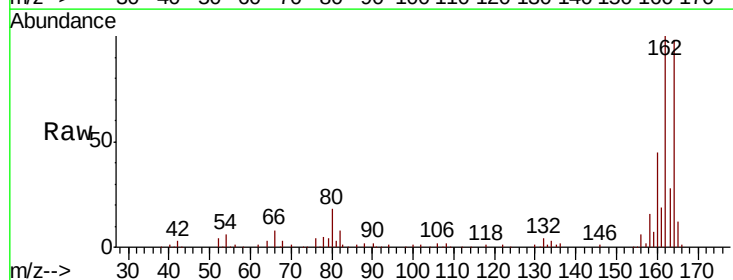


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

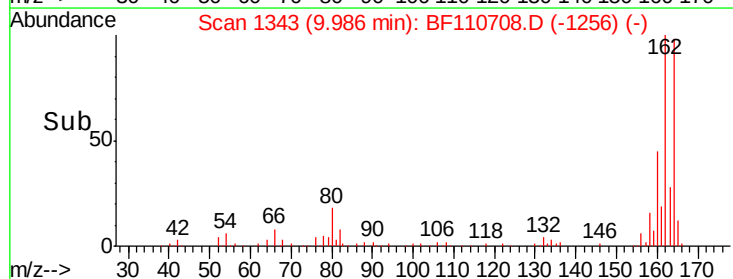
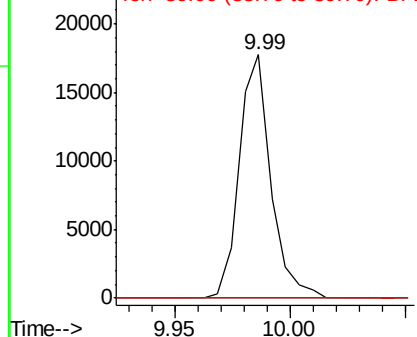


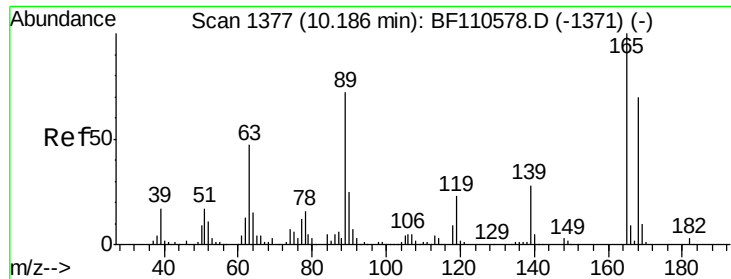
#51
2,6-Dinitrotoluene
Concen: 7.441 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.21 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

Tgt 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





#57

2,4-Dinitrotoluene

Concen: 5.723 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.20 min

Lab File: BF110708.D

Acq: 13 Nov 2018 7:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 16866

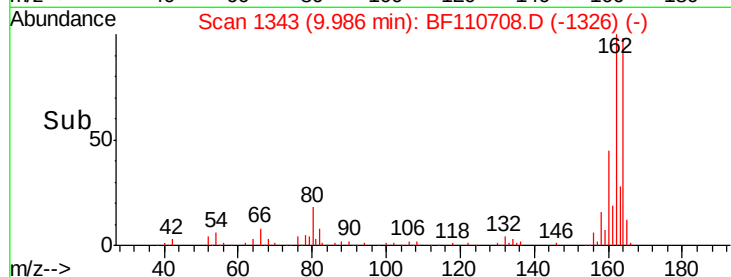
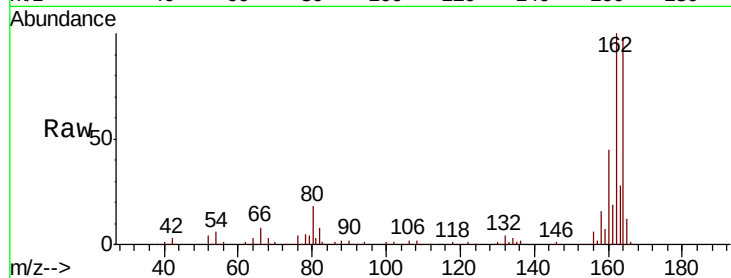
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

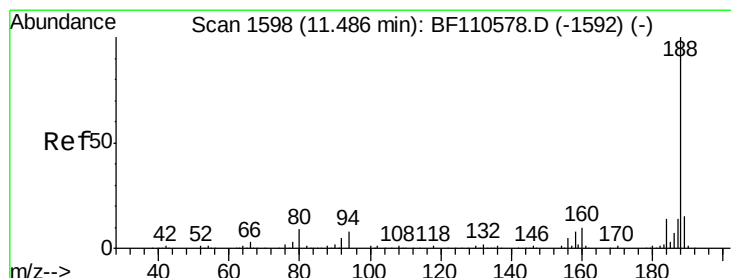
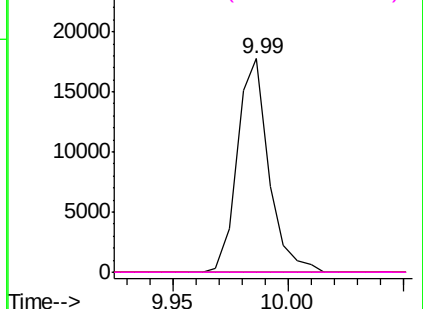


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110708.D

Acq: 13 Nov 2018 7:39

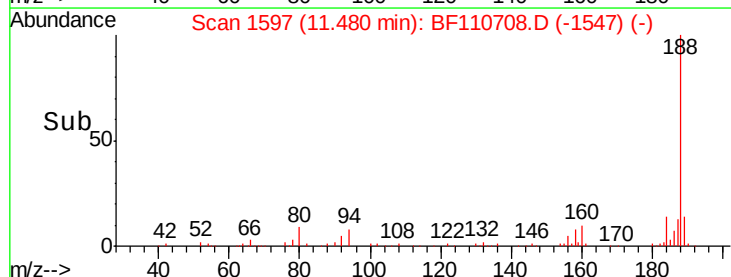
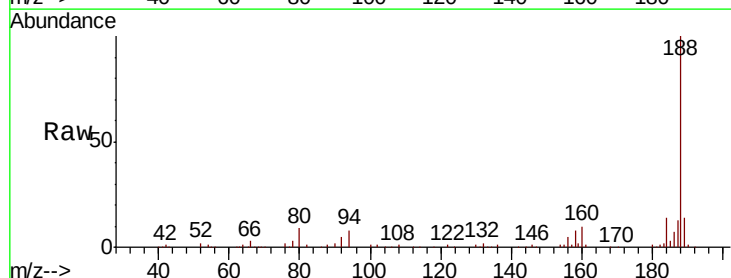
Tgt Ion:188 Resp: 218102

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

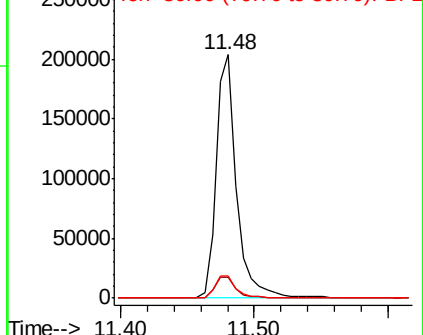
80 9.1 7.9 11.9

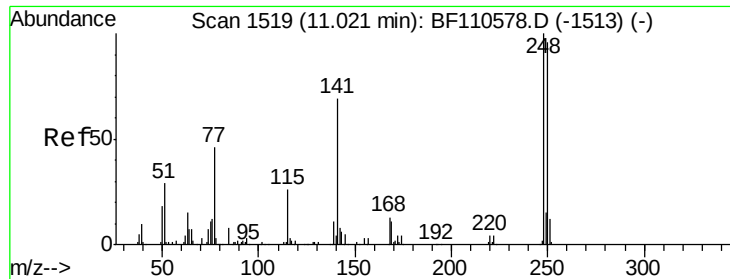


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

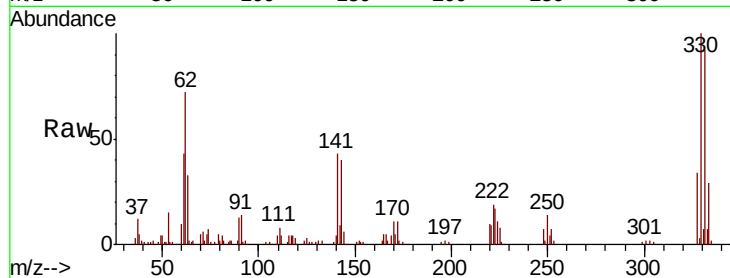




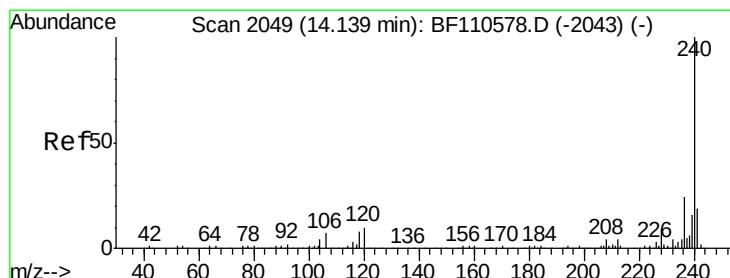
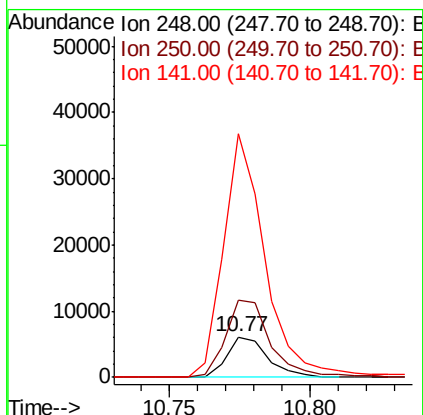
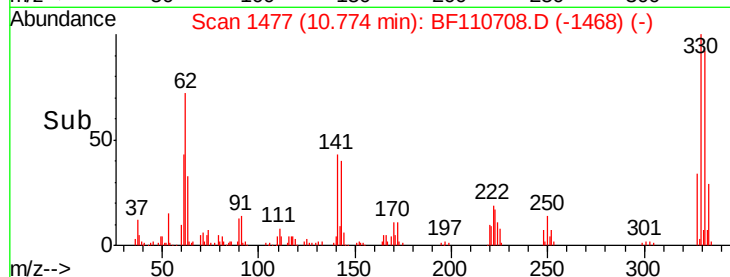
#67
 4-Bromophenyl-phenylether
 Concen: 2.549 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110708.D
 Acq: 13 Nov 2018 7:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6145
 Ion Ratio Lower Upper
 248 100
 250 190.8 79.4 119.2#
 141 598.4 55.9 83.9#

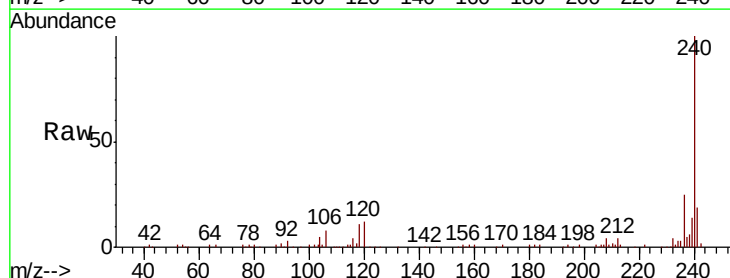


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

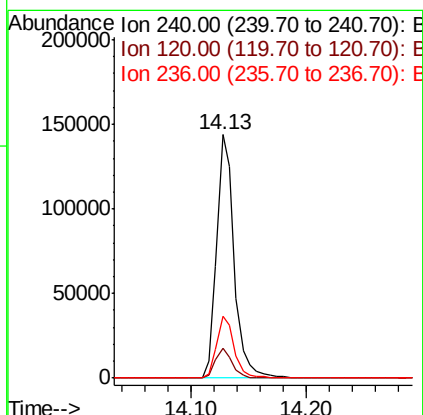
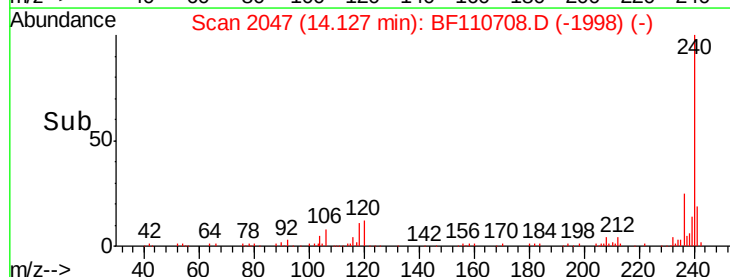


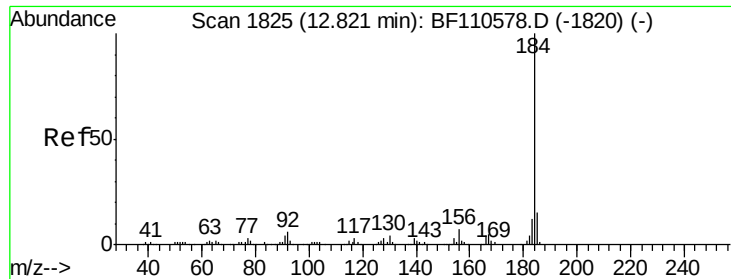
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.13 min Scan# 2047
 Delta R.T. -0.01 min
 Lab File: BF110708.D
 Acq: 13 Nov 2018 7:39

Tgt Ion:240 Resp: 151331
 Ion Ratio Lower Upper
 240 100
 120 12.2 8.3 12.5
 236 25.3 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





#77

Benzidine

Concen: 2.028 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.24 min

Lab File: BF110708.D

Acq: 13 Nov 2018 7:39

Instrument :

BNA_F

ClientSampleId :

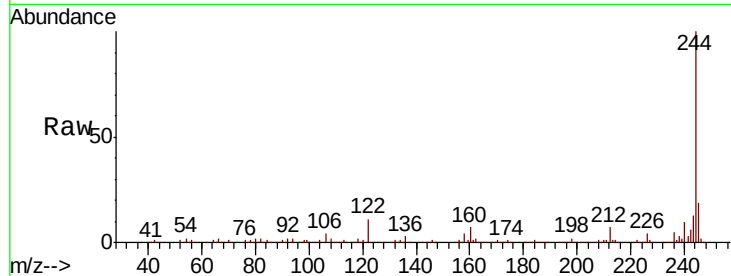
Tot Ion:184 Resp: 8440

Ion Ratio Lower Upper

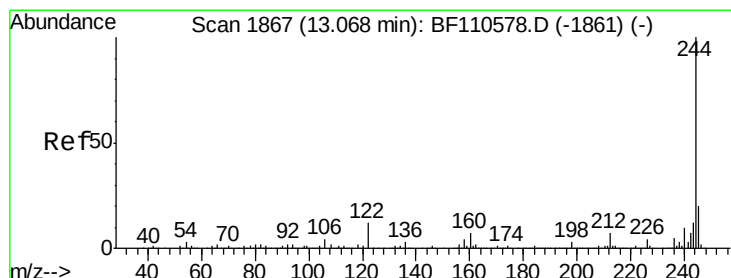
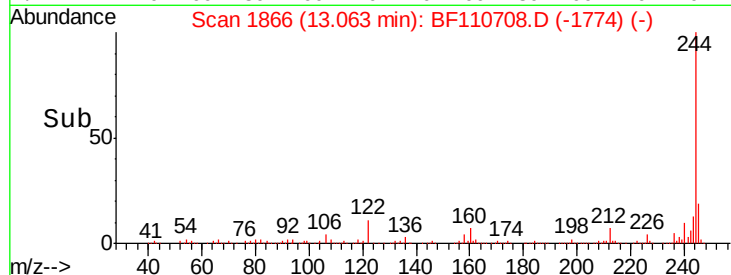
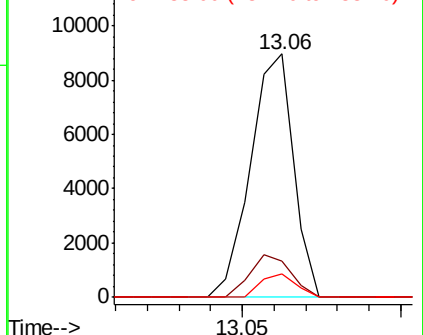
184 100

185 15.0 13.4 20.2

183 9.7 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: 81.102 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110708.D

Acq: 13 Nov 2018 7:39

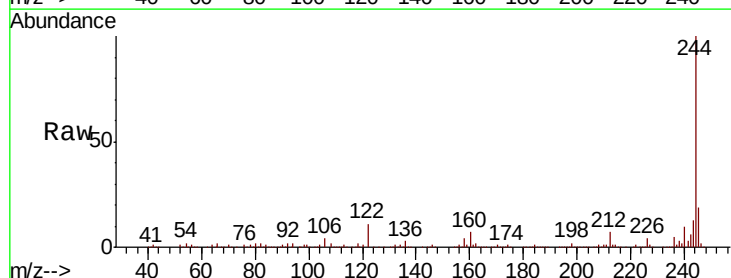
Tgt Ion:244 Resp: 655358

Ion Ratio Lower Upper

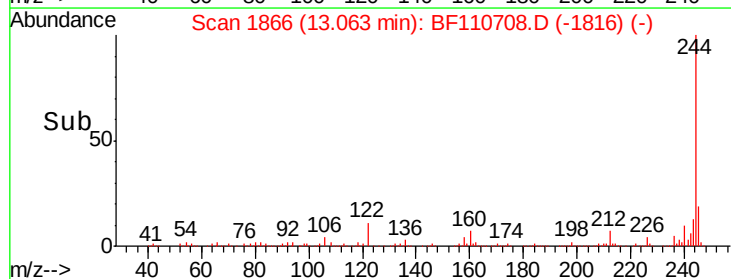
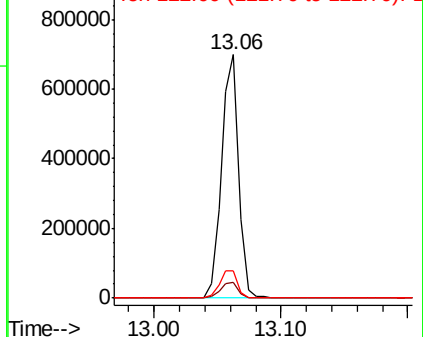
244 100

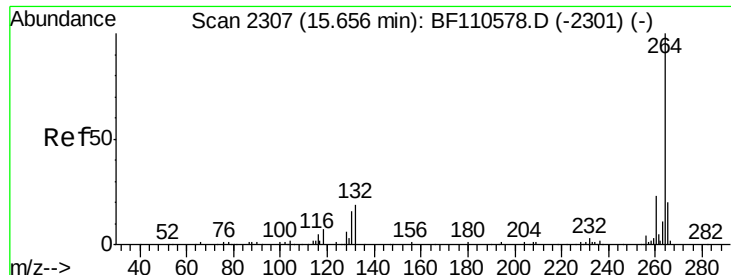
212 6.7 5.8 8.8

122 11.3 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: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110708.D
Acq: 13 Nov 2018 7:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.7	28.1
265	21.4	16.7	25.1

