

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103109.D
 Acq On : 20 Feb 2018 4:00
 Operator : SJ/JU
 Sample : J1604-12
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 04:31:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

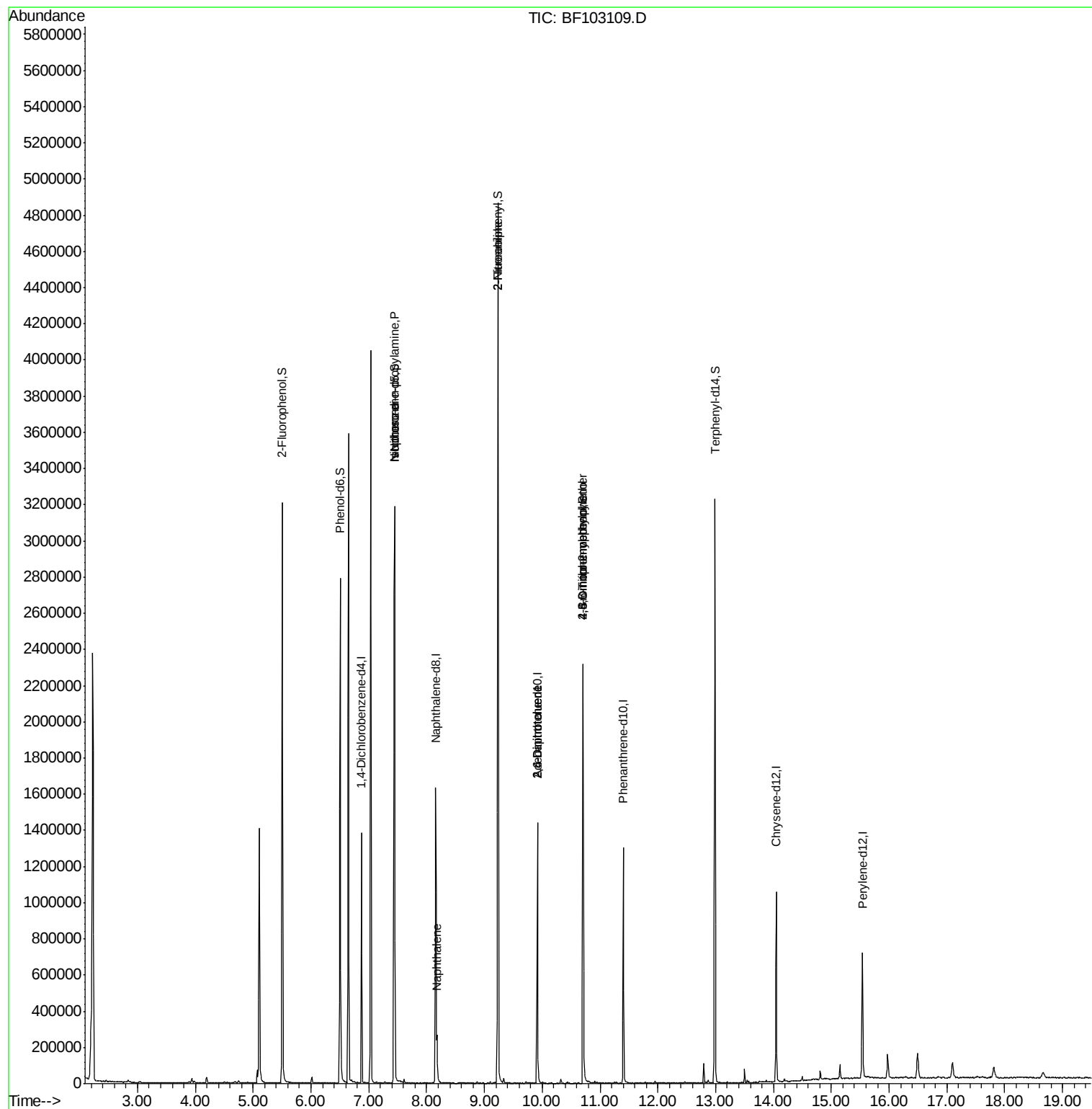
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	177800	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	746298	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	319655	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	483620	20.00	ng	0.00
75) Chrysene-d12	14.05	240	334590	20.00	ng	-0.01
86) Perylene-d12	15.54	264	291909	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	903835	77.20	ng	0.01
7) Phenol-d6	6.51	99	1038338	73.66	ng	0.00
23) Nitrobenzene-d5	7.45	82	1154361	107.30	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	314339	122.18	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1723512	89.47	ng	0.00
78) Terphenyl-d14	12.99	244	1310384	92.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	156981	16.89	ng	# 78
25) Isophorone	7.45	82	1154347	46.60	ng	# 64
31) Naphthalene	8.18	128	99698	2.73	ng	# 98
47) 2-Nitroaniline	9.23	65	3141	3.92	ng	# 1
50) 2,6-Dinitrotoluene	9.91	165	41827	8.82	ng	# 25
56) 2,4-Dinitrotoluene	9.91	165	41827	9.23	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	668	9.10	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19980	3.91	ng	# 1

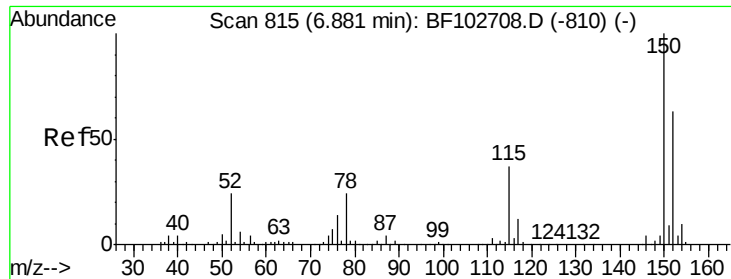
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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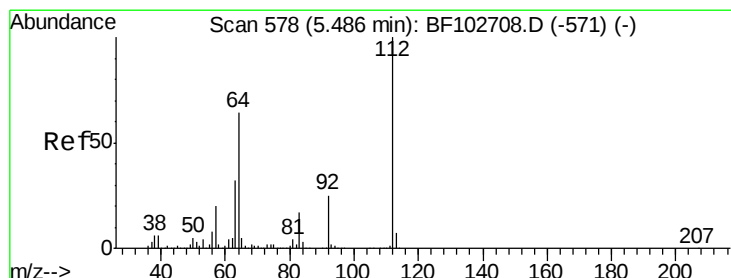
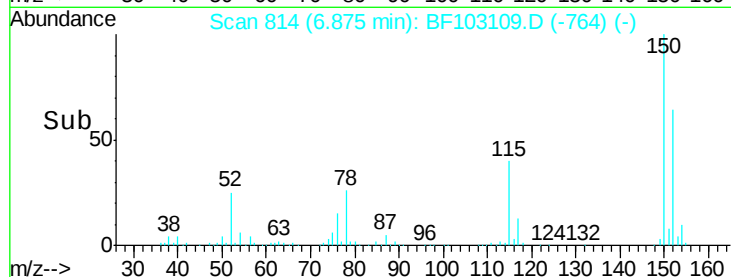
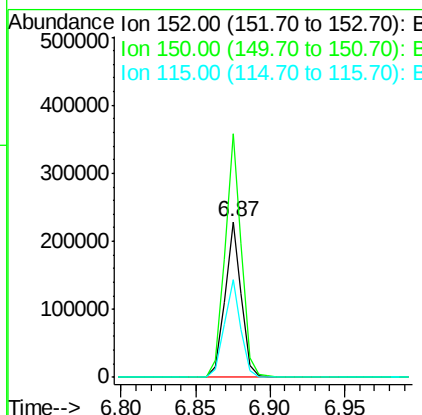
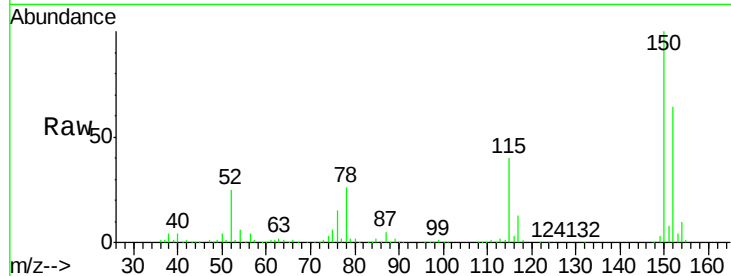


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Instrument :
BNA_F
ClientSampled :

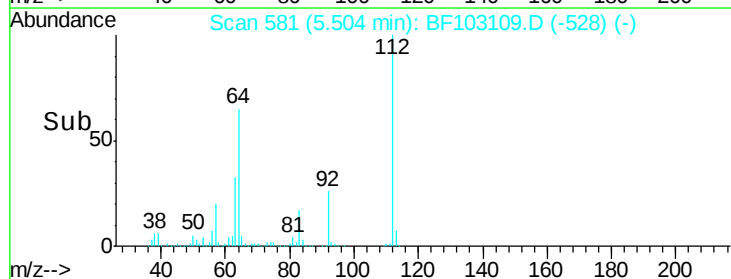
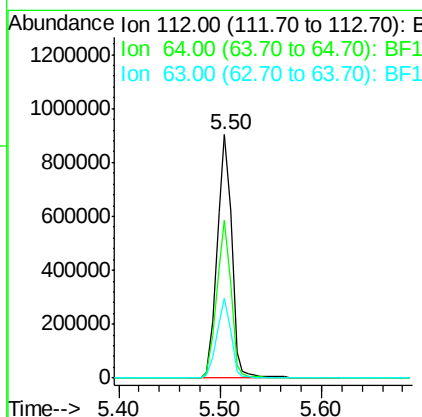
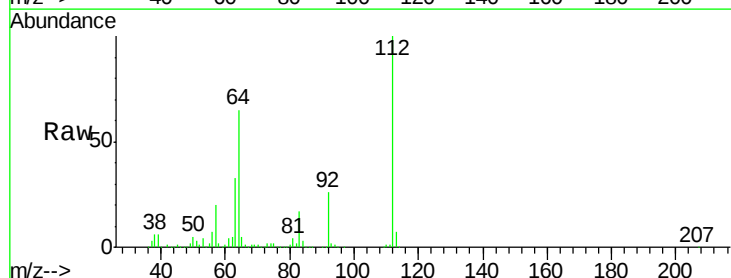
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	62.6	50.1	75.1

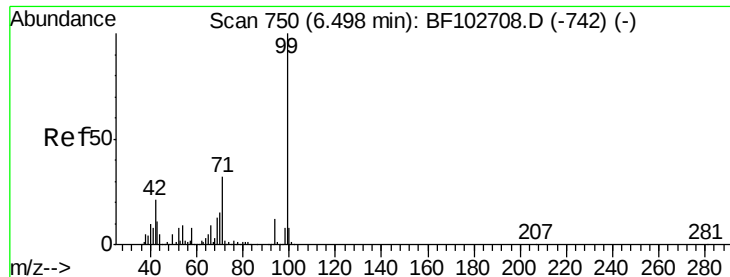


#5

2-Fluorophenol
Concen: 77.20 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 73.66 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103109.D

Acq: 20 Feb 2018 4:00

Instrument :

BNA_F

ClientSampled :

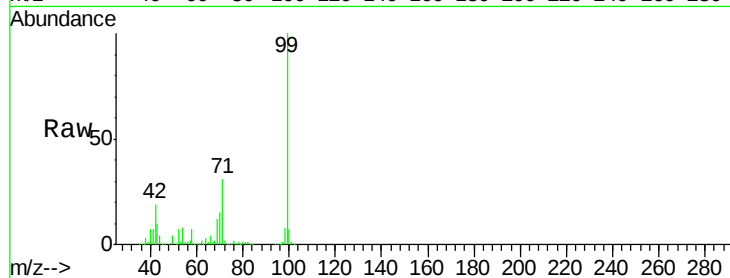
Tot Ion: 99 Resp: 1038338

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

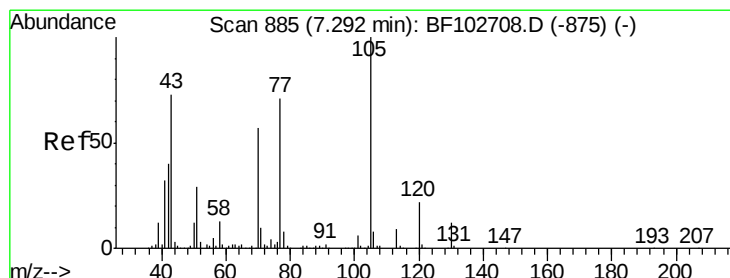
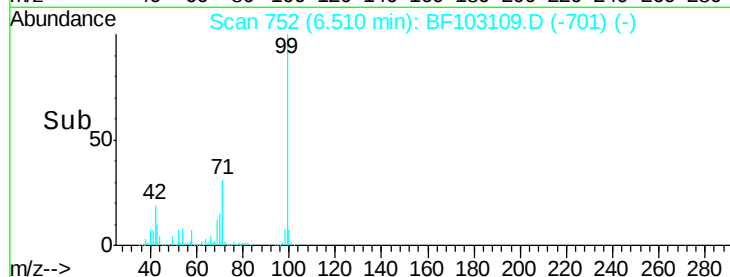
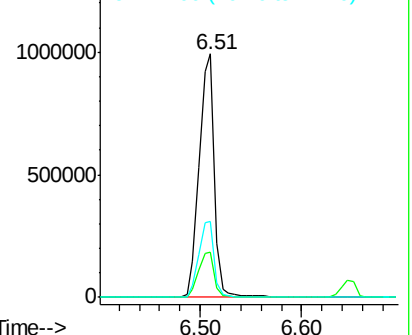
71 31.4 25.4 38.0



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: 16.89 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF103109.D

Acq: 20 Feb 2018 4:00

Tgt Ion: 70 Resp: 156981

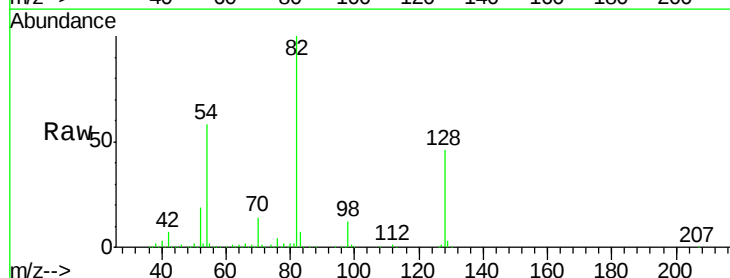
Ion Ratio Lower Upper

70 100

42 48.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

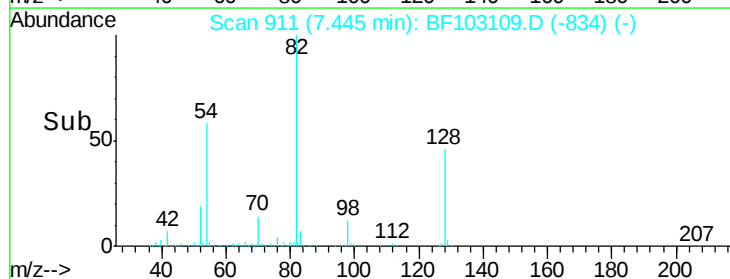
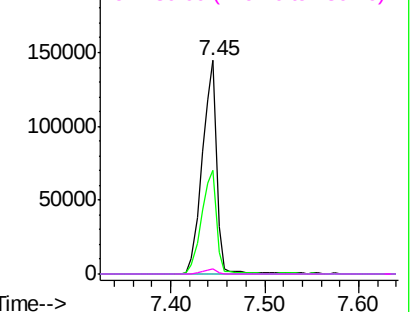


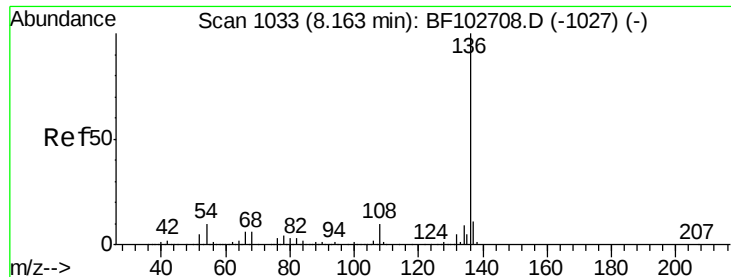
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

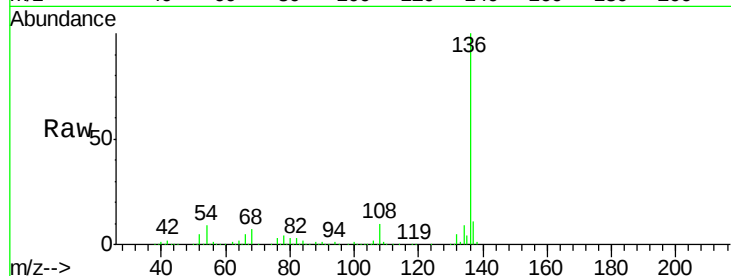




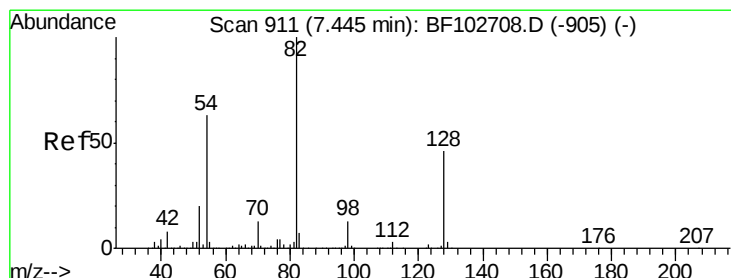
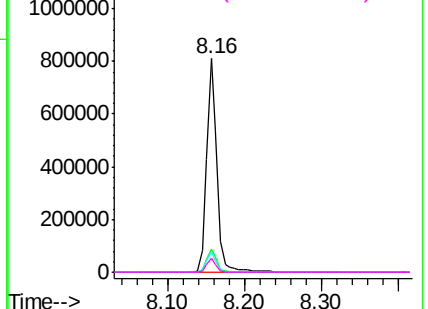
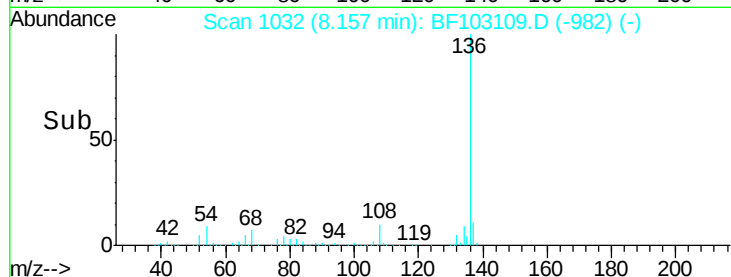
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	746298
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	9.4	6.6 9.8
68	6.8	5.0 7.4

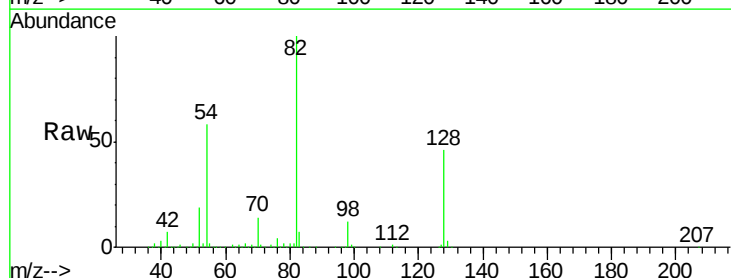


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

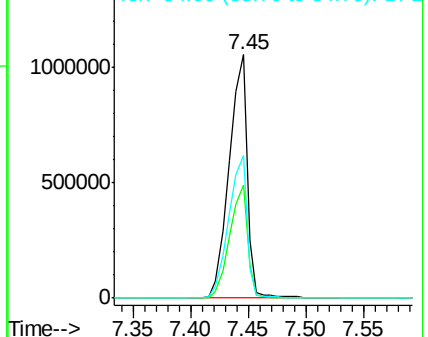
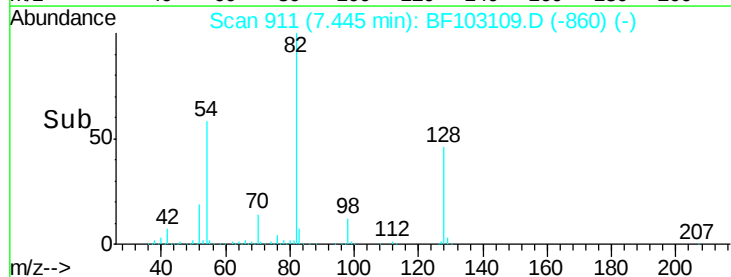


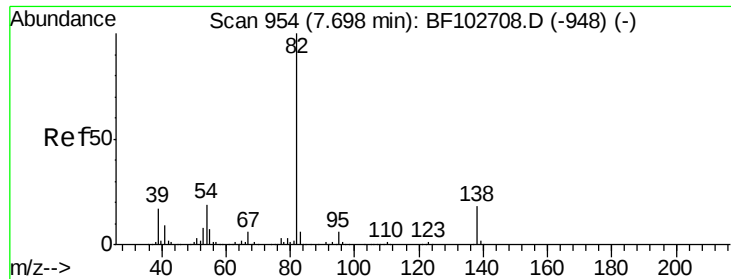
#23
Nitrobenzene-d5
Concen: 107.30 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Tgt Ion: 82	Resp:	1154361
Ion Ratio	Lower	Upper
82	100	
128	46.2	36.1 54.1
54	58.3	41.4 62.2



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: 46.60 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF103109.D

Acq: 20 Feb 2018 4:00

Instrument :

BNA_F

ClientSampleId :

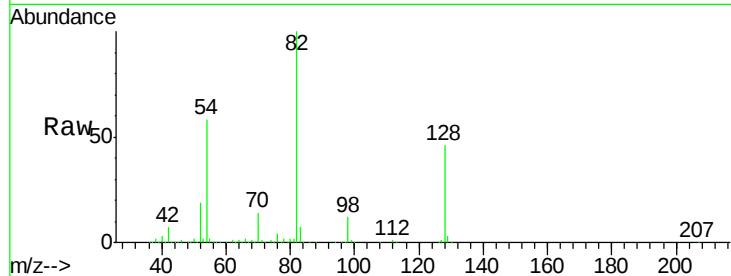
Tot Ion: 82 Resp: 1154347

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

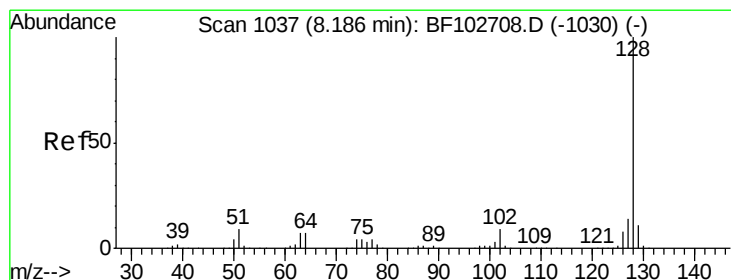
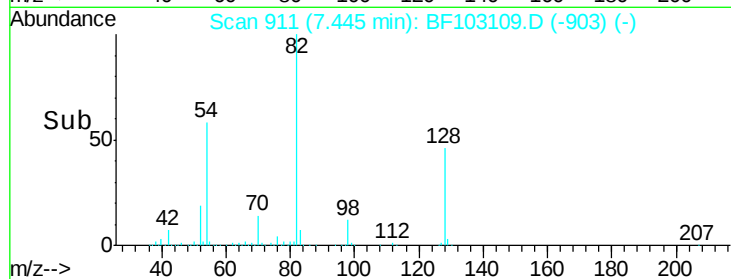
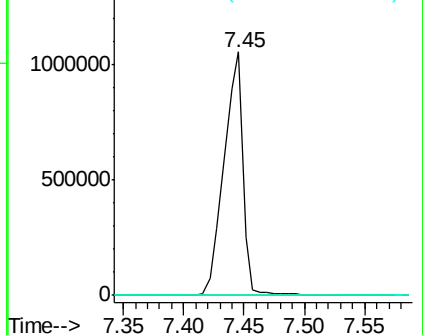
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.73 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF103109.D

Acq: 20 Feb 2018 4:00

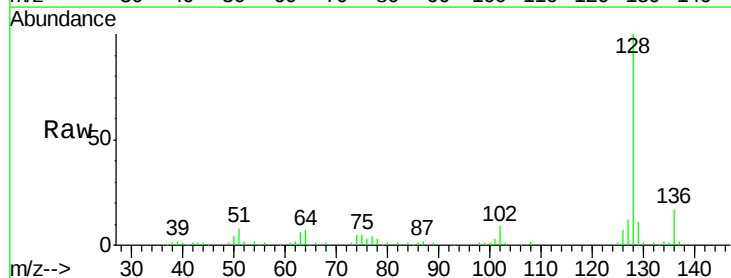
Tgt Ion: 128 Resp: 99698

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

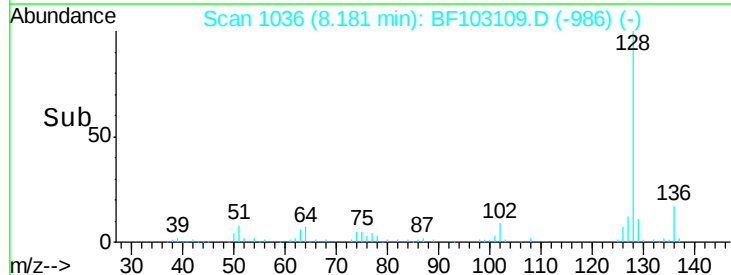
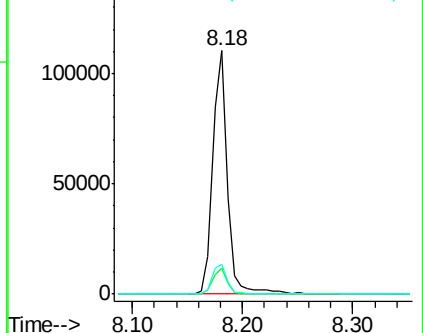
127 12.0 10.9 16.3

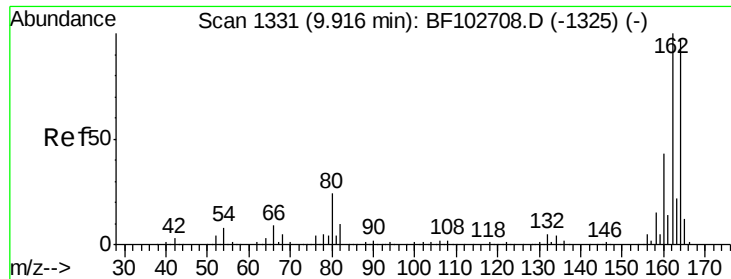


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

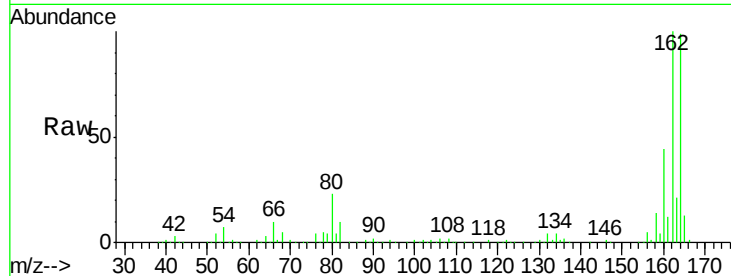




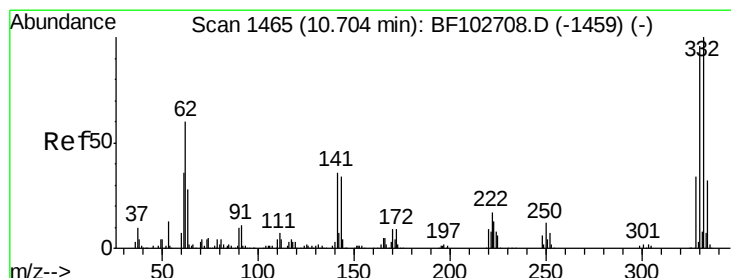
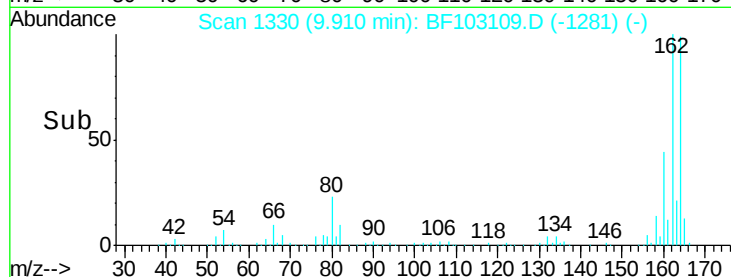
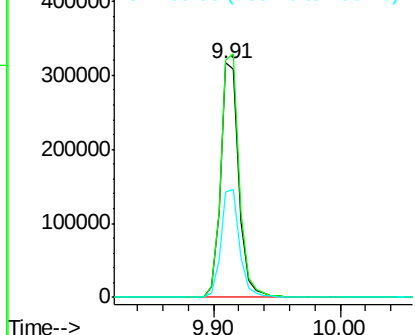
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 319655
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 45.0 38.3 57.5

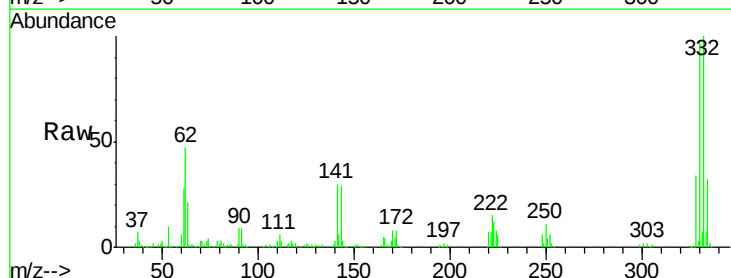


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

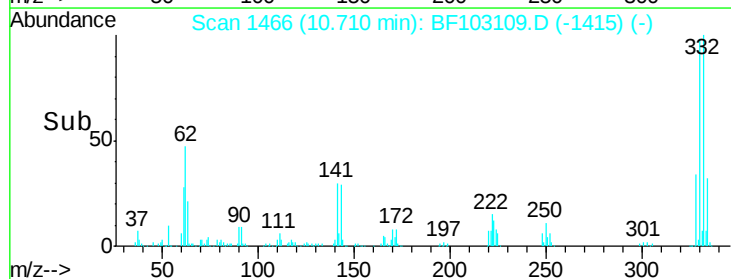
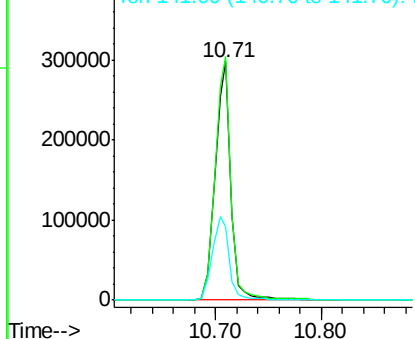


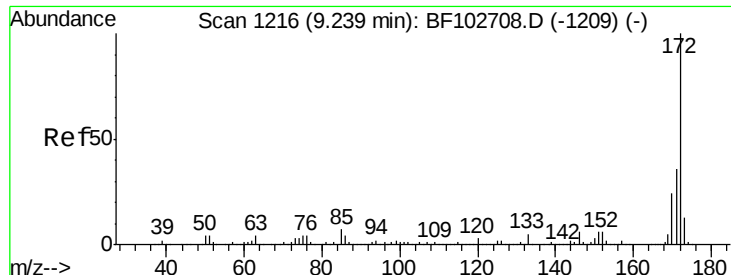
#41
2,4,6-Tribromophenol
Concen: 122.18 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Tgt Ion:330 Resp: 314339
Ion Ratio Lower Upper
330 100
332 102.8 77.0 115.6
141 38.1 29.9 44.9



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

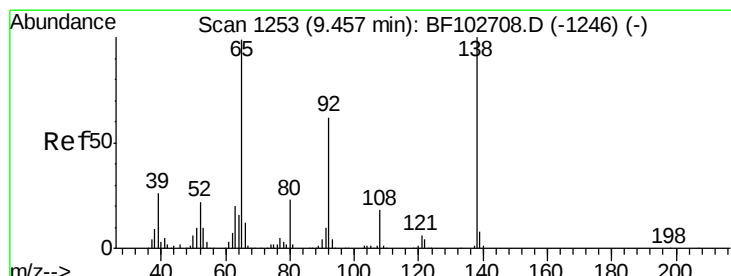
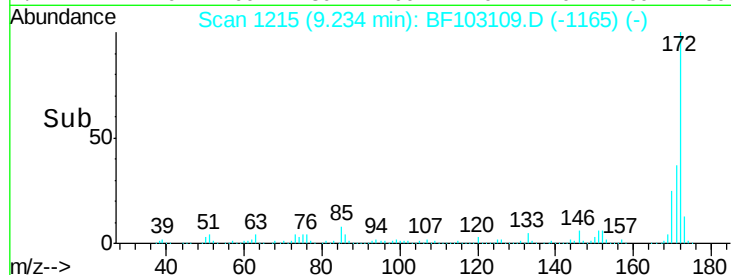
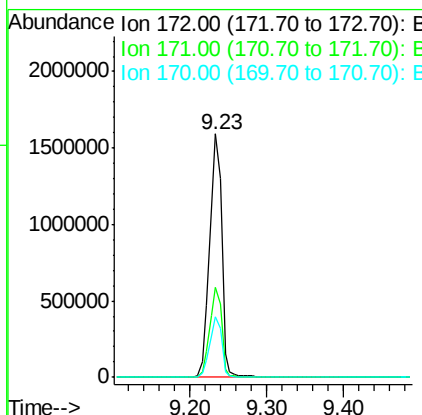
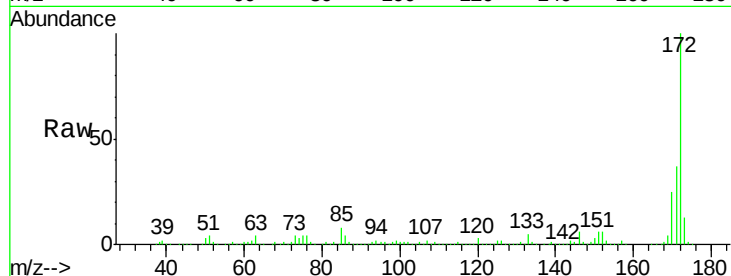




#44
 2-Fluorobiphenyl
 Concen: 89.47 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103109.D
 Acq: 20 Feb 2018 4:00

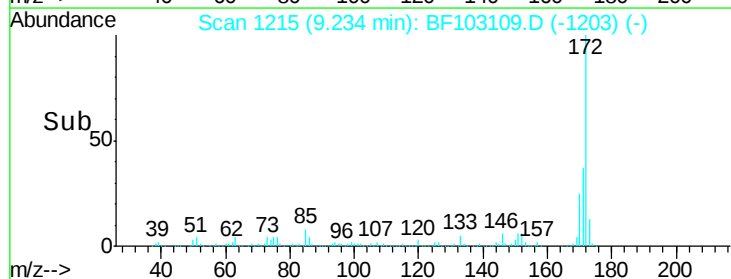
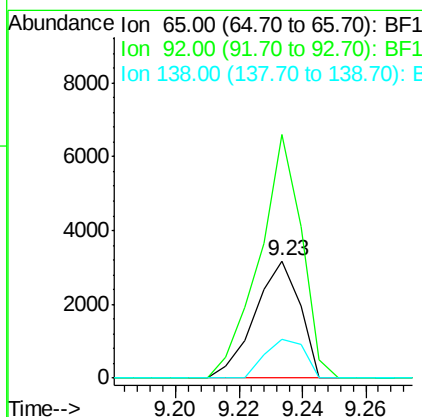
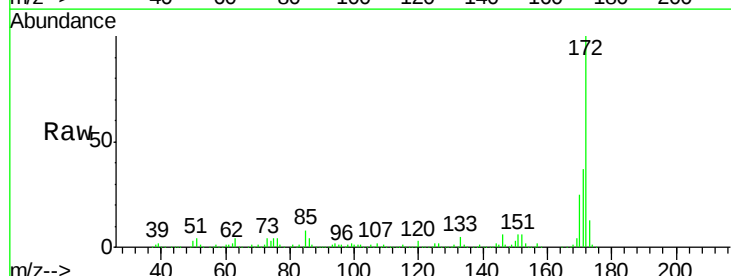
Instrument :
 BNA_F
 ClientSampleId :

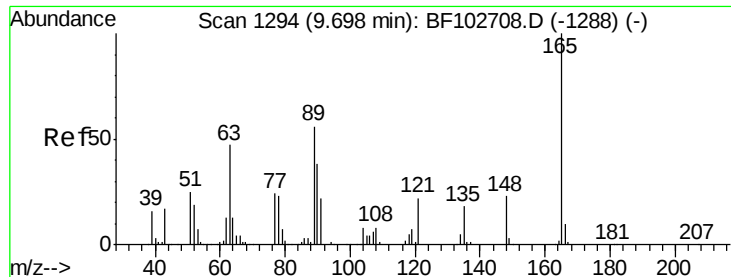
Tot Ion:172 Resp: 1723512
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.8 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.92 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF103109.D
 Acq: 20 Feb 2018 4:00

Tgt Ion: 65 Resp: 3141
 Ion Ratio Lower Upper
 65 100
 92 208.1 55.8 83.6#
 138 33.2 91.2 136.8#

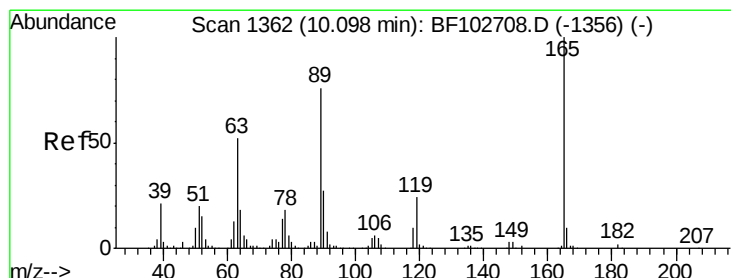
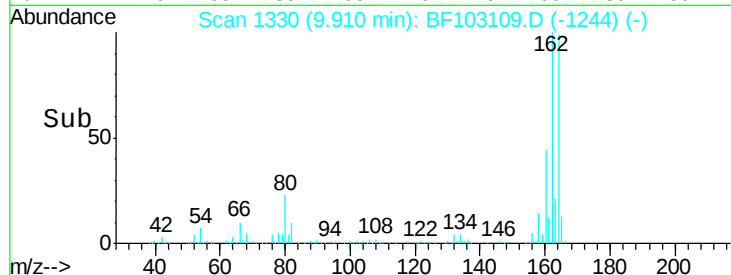
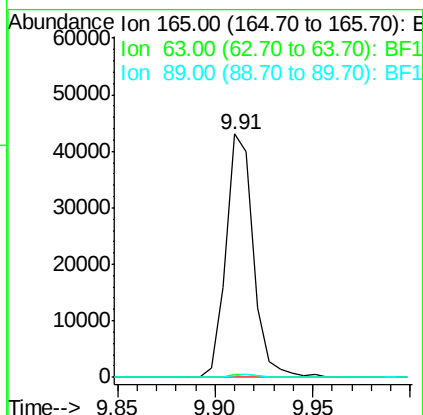
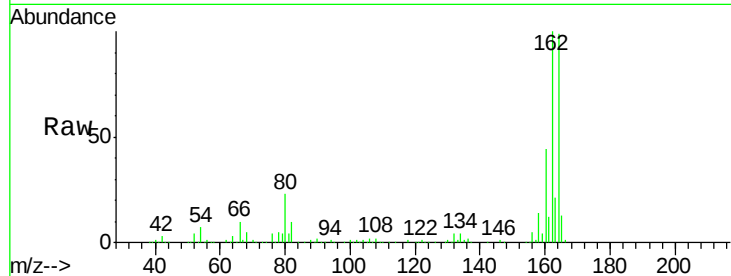




#50
 2,6-Dinitrotoluene
 Concen: 8.82 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103109.D
 Acq: 20 Feb 2018 4:00

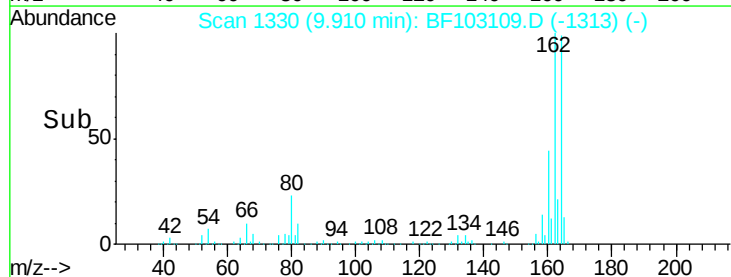
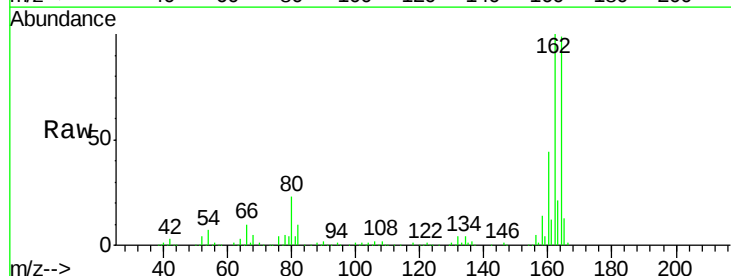
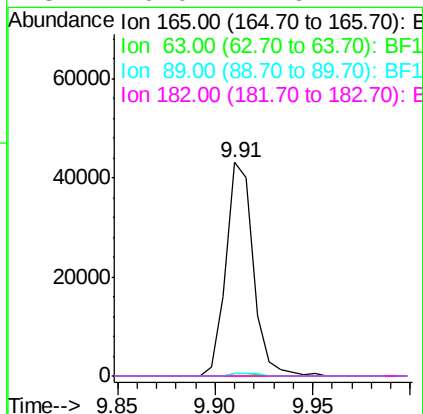
Instrument :
 BNA_F
 ClientSampled :

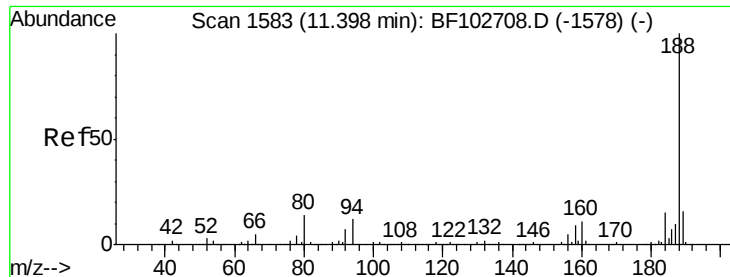
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	0.9	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.23 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103109.D
 Acq: 20 Feb 2018 4:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	0.9	57.8	86.6#
182	0.0	1.6	2.4#

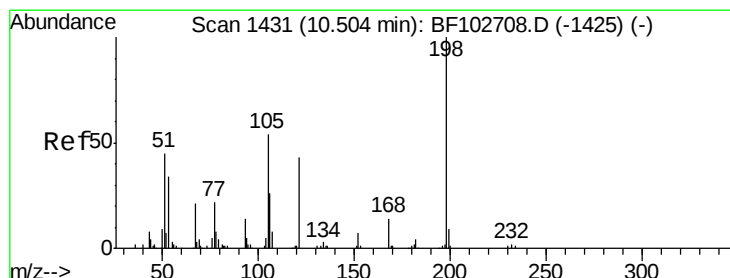
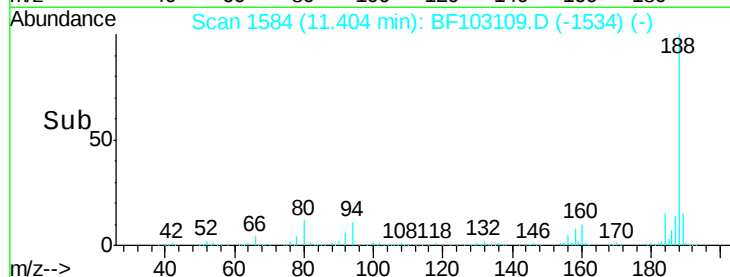
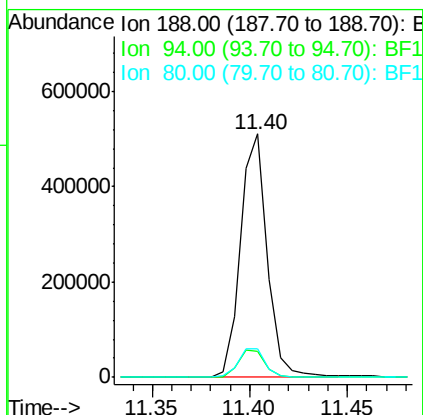
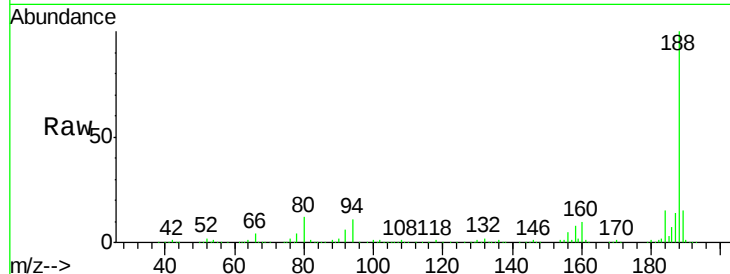




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

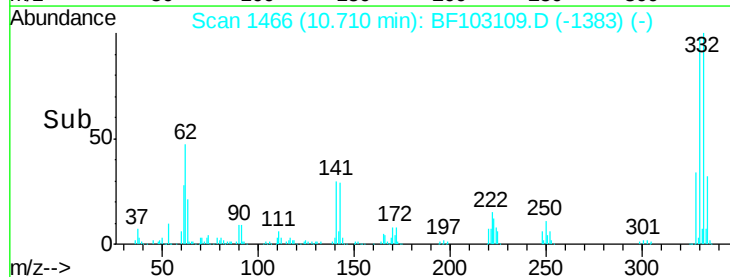
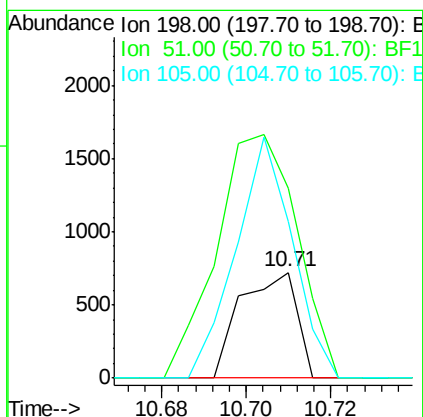
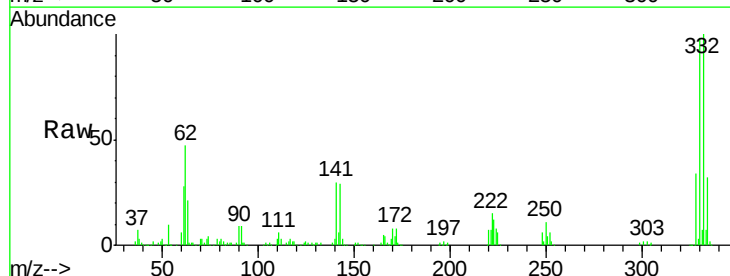
Instrument :
BNA_F
ClientSampleId :

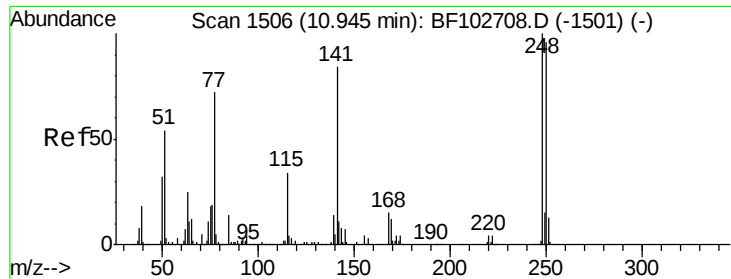
Tot Ion:188 Resp: 483620
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.10 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Tgt Ion:198 Resp: 668
Ion Ratio Lower Upper
198 100
51 180.6 37.7 77.7#
105 148.4 36.3 76.3#

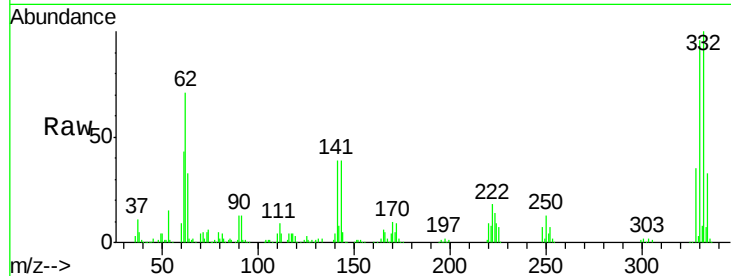




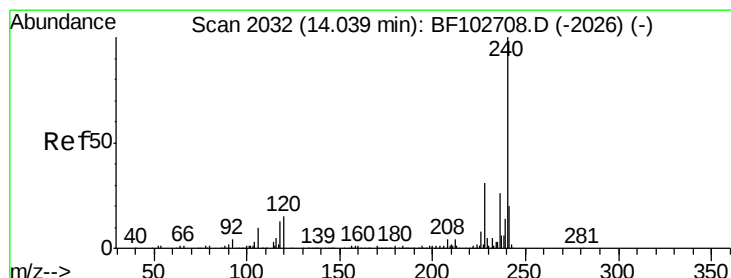
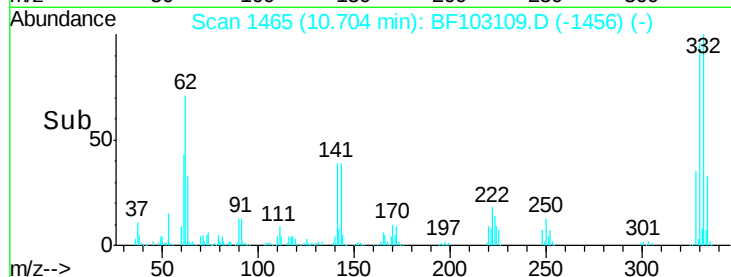
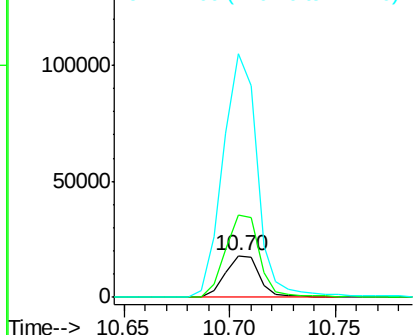
#66
4-Bromophenyl-phenylether
Concen: 3.91 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19980
Ion Ratio Lower Upper
248 100
250 197.8 76.9 115.3#
141 582.4 74.4 111.6#

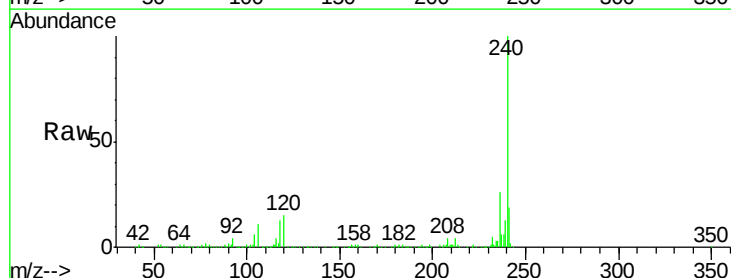


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

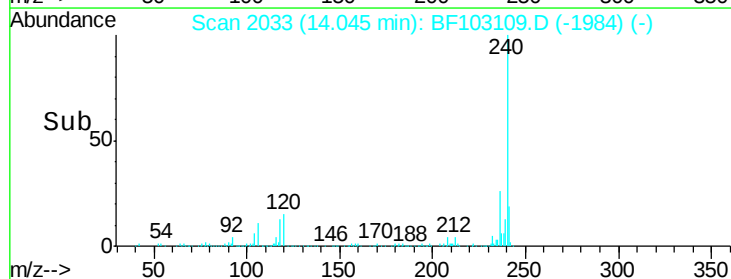
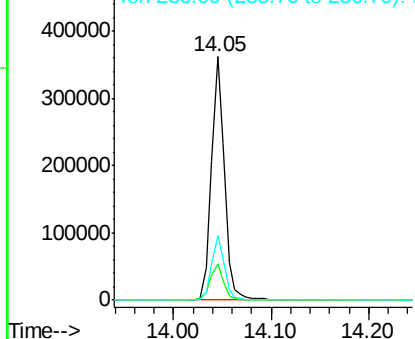


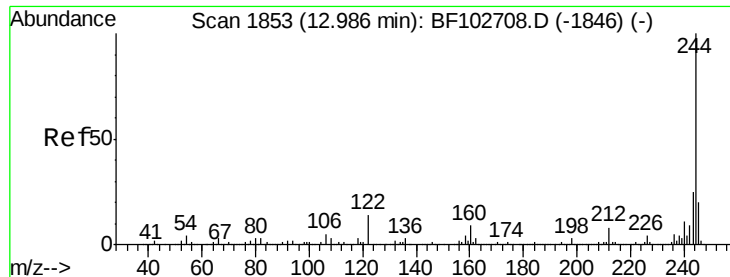
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103109.D
Acq: 20 Feb 2018 4:00

Tgt Ion:240 Resp: 334590
Ion Ratio Lower Upper
240 100
120 14.8 9.5 14.3#
236 26.4 20.7 31.1



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: 92.73 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103109.D

Acq: 20 Feb 2018 4:00

Instrument :

BNA_F

ClientSampleId :

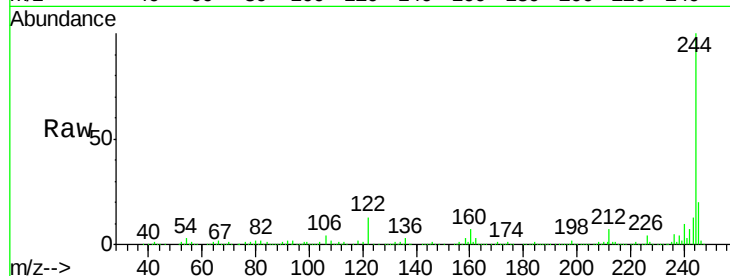
Tot Ion:244 Resp: 1310384

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

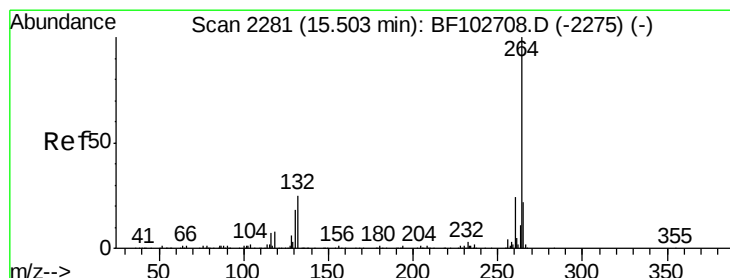
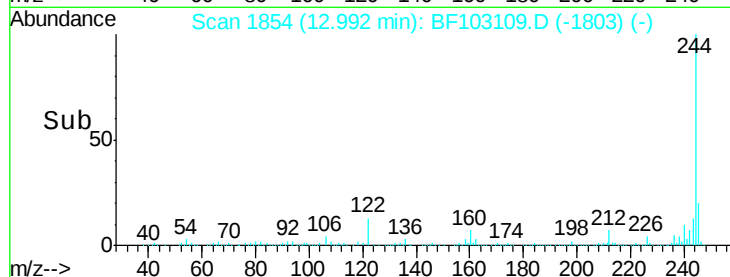
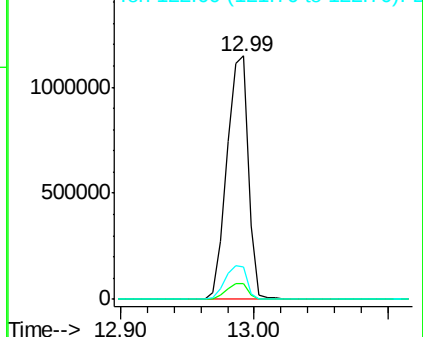
122 13.1 11.0 16.4



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: 20.00 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BF103109.D

Acq: 20 Feb 2018 4:00

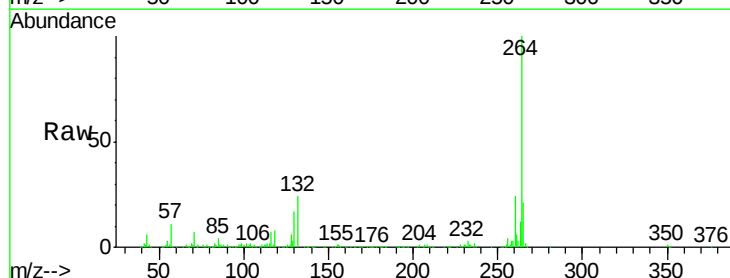
Tgt Ion:264 Resp: 291909

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.3 17.5 26.3



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

