

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103094.D
 Acq On : 19 Feb 2018 20:31
 Operator : SJ/JU
 Sample : PB106643BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 00:19:30 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

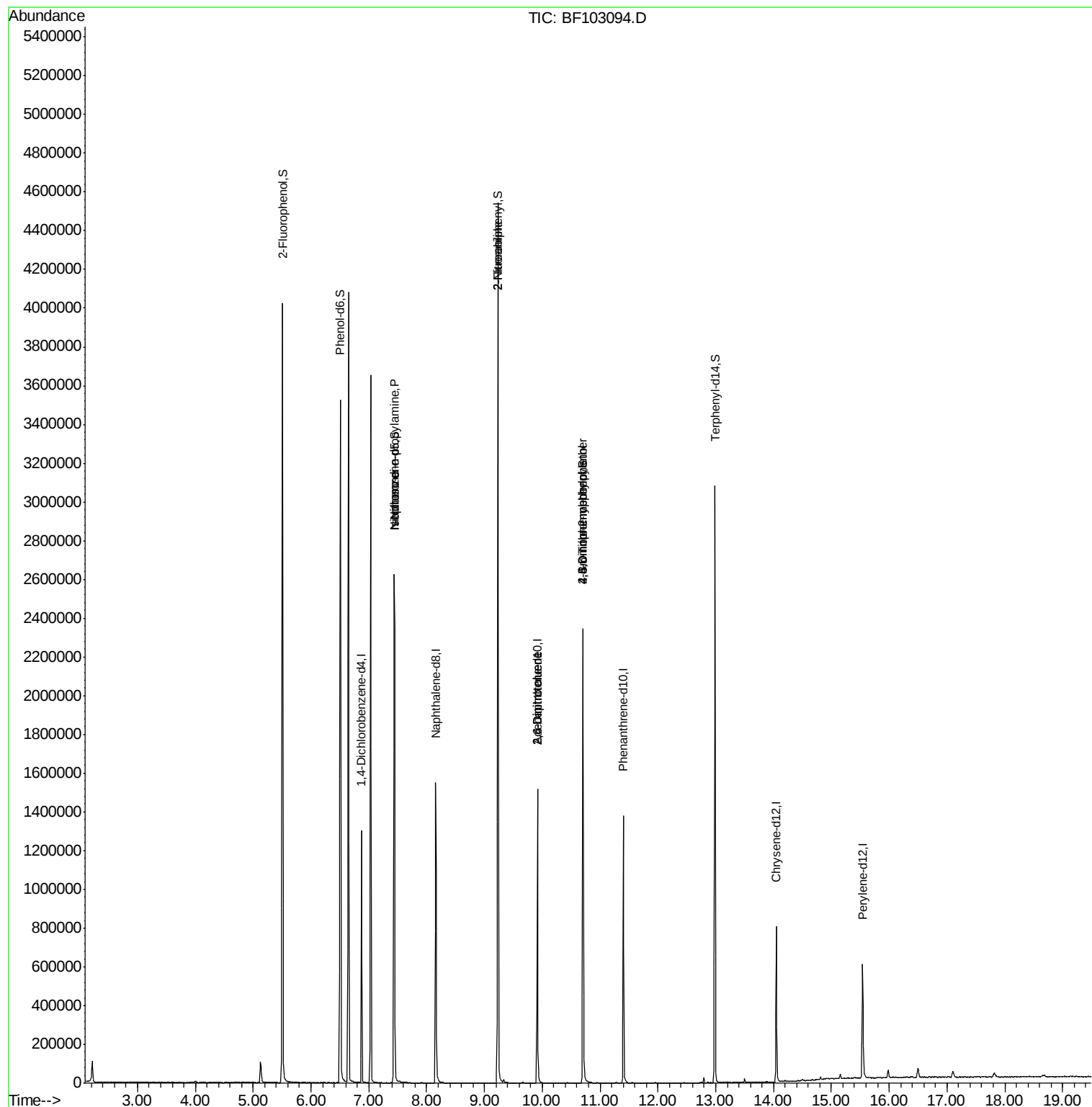
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	172946	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	727396	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	312613	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	508611	20.00	ng	0.00
75) Chrysene-d12	14.05	240	296118	20.00	ng	0.00
86) Perylene-d12	15.54	264	298222	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1268102	111.35	ng	0.02
7) Phenol-d6	6.51	99	1509048	110.05	ng	0.00
23) Nitrobenzene-d5	7.44	82	988810	94.30	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	293039	116.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1535145	81.49	ng	0.00
78) Terphenyl-d14	12.99	244	1156477	92.47	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	128695	14.24	ng	# 81
25) Isophorone	7.44	82	988805	40.95	ng	# 64
47) 2-Nitroaniline	9.23	65	2501	3.83	ng	# 8
50) 2,6-Dinitrotoluene	9.92	165	39250	8.46	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	39250	8.98	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	685	9.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	18389	3.42	ng	# 1

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

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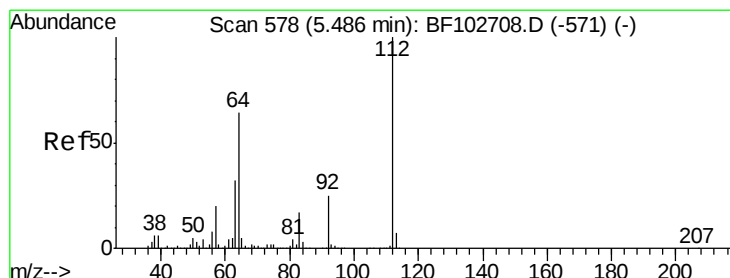
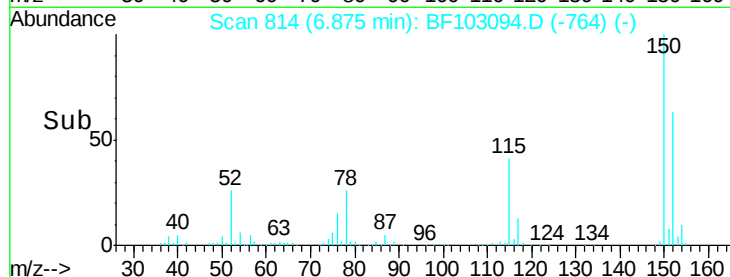
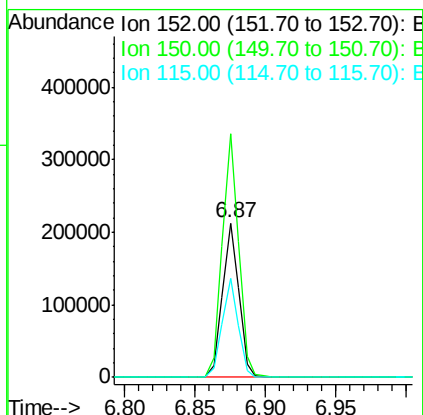
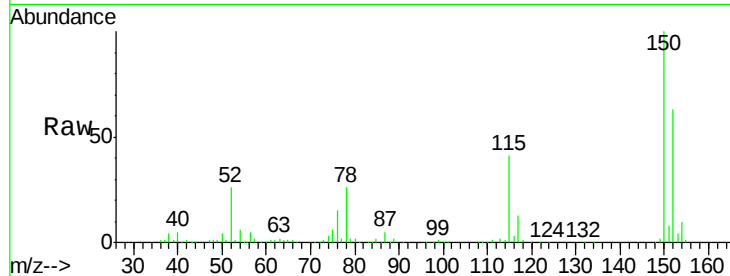


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103094.D
Acq: 19 Feb 2018 20:31

Instrument :
BNA_F
ClientSampleId :

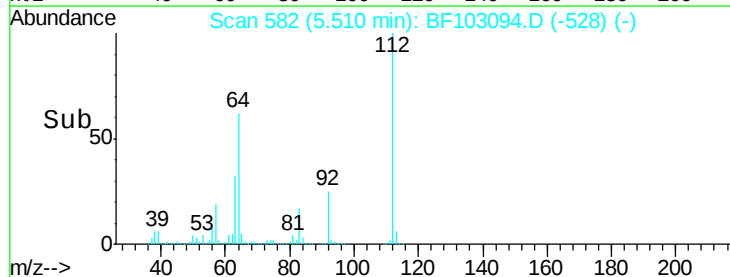
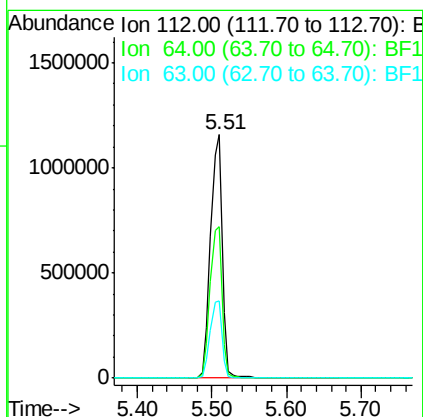
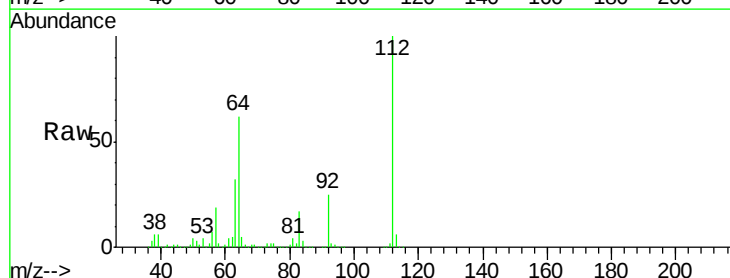
Tot Ion:152 Resp: 172946
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 64.0 50.1 75.1

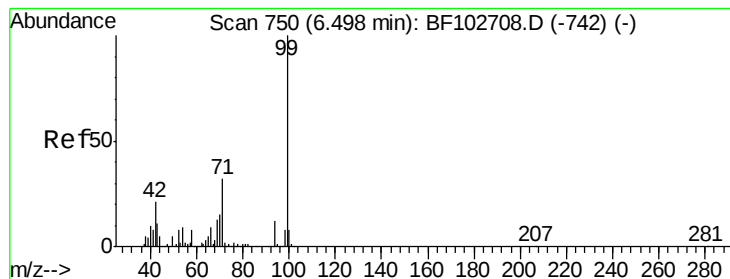


#5

2-Fluorophenol
Concen: 111.35 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF103094.D
Acq: 19 Feb 2018 20:31

Tgt Ion:112 Resp: 1268102
Ion Ratio Lower Upper
112 100
64 62.3 47.9 71.9
63 31.5 23.7 35.5





#7

Phenol-d6

Concen: 110.05 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

Instrument :

BNA_F

ClientSampleId :

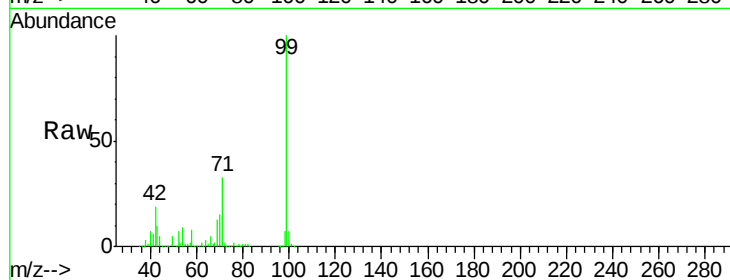
Tot Ion: 99 Resp: 1509048

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

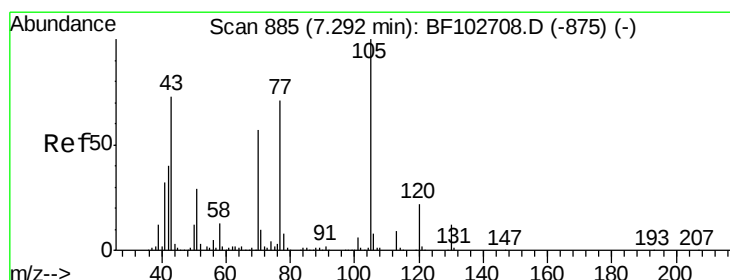
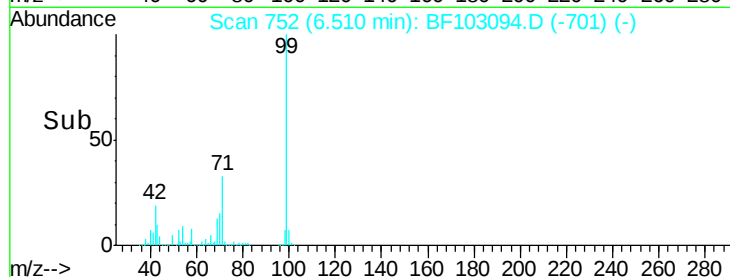
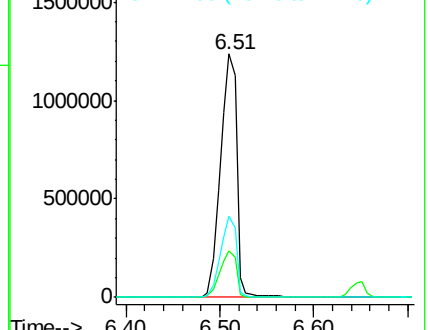
71 33.2 25.4 38.0



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: 14.24 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

Tgt Ion: 70 Resp: 128695

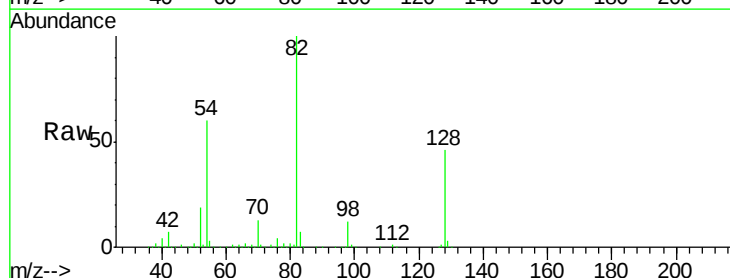
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

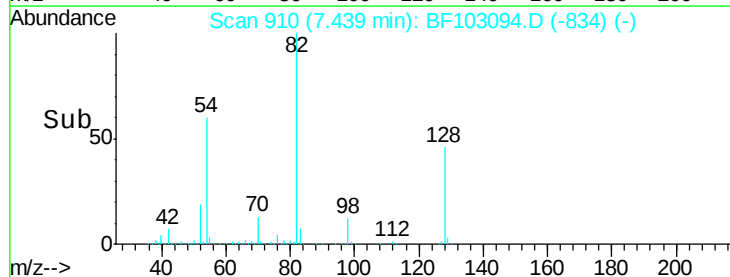
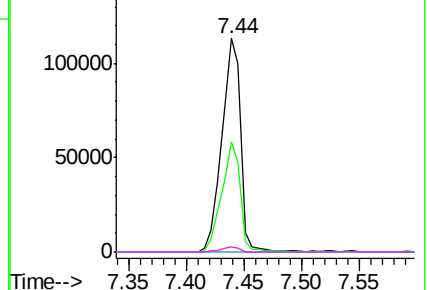


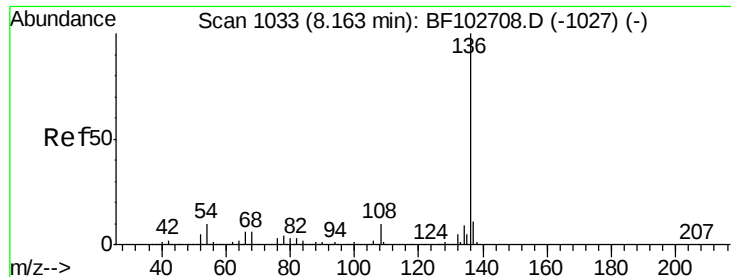
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF103094.D

Acq: 19 Feb 2018 20:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 727396

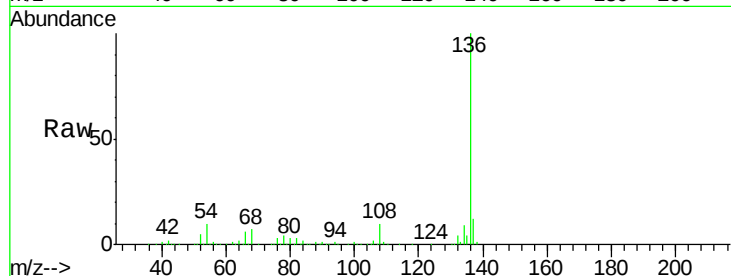
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 9.8 6.6 9.8#

68 6.9 5.0 7.4

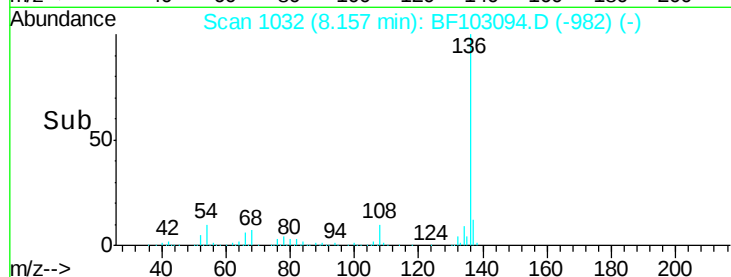


Abundance Ion 136.00 (135.70 to 136.70): E

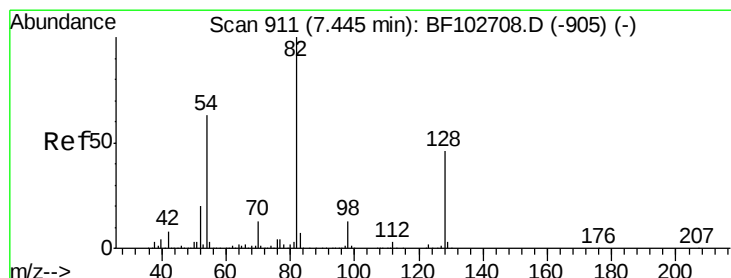
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 94.30 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

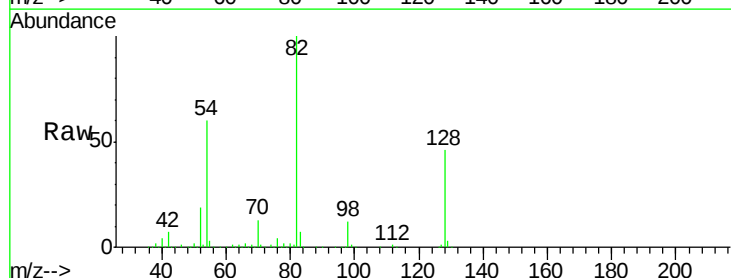
Tgt Ion: 82 Resp: 988810

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

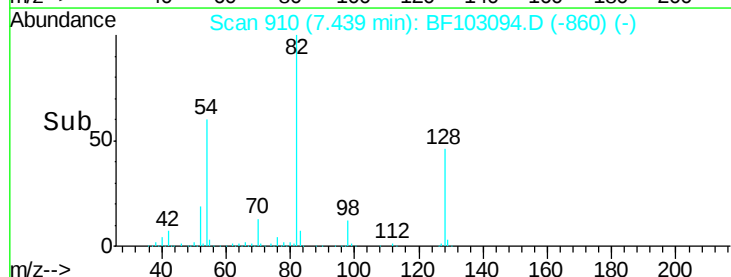
54 60.2 41.4 62.2



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



Time-->



#25

Isophorone

Concen: 40.95 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

Instrument :

BNA_F

ClientSampleId :

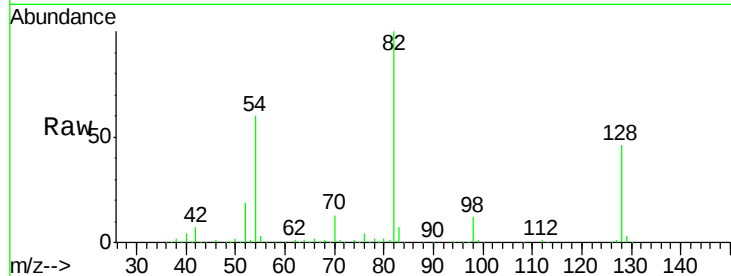
Tot Ion: 82 Resp: 988805

Ion Ratio Lower Upper

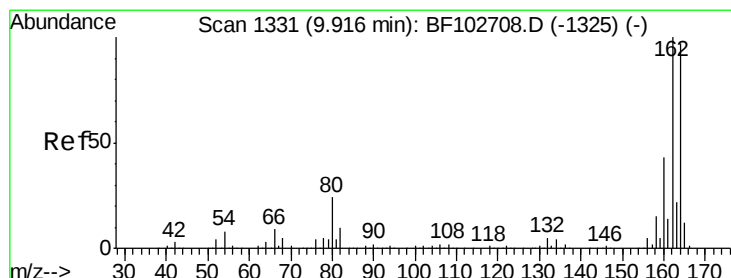
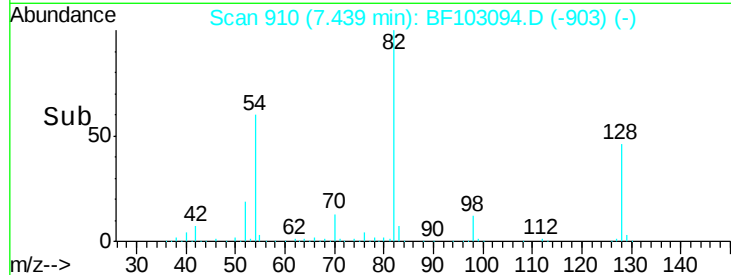
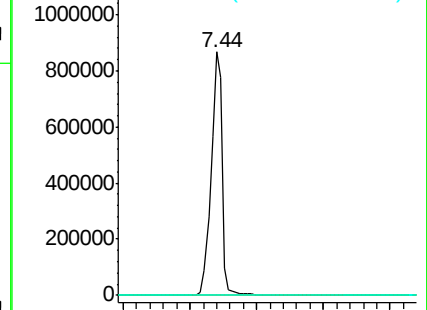
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

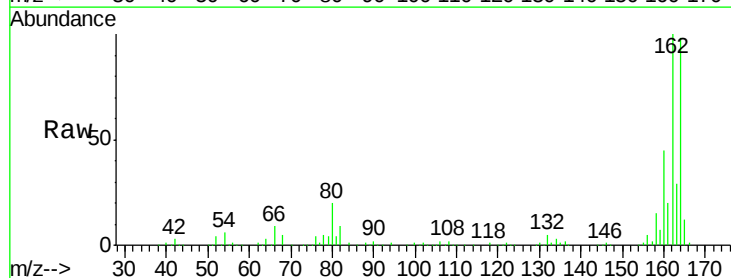
Tgt Ion: 164 Resp: 312613

Ion Ratio Lower Upper

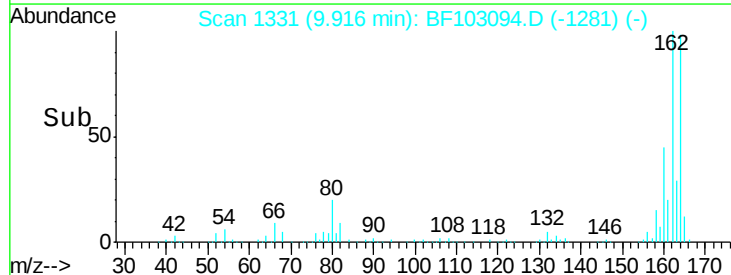
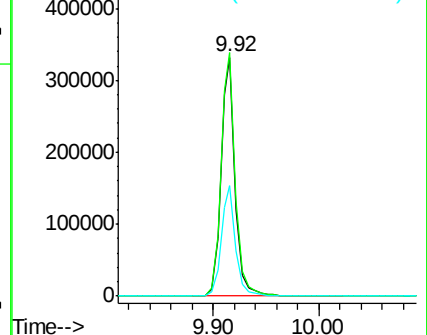
164 100

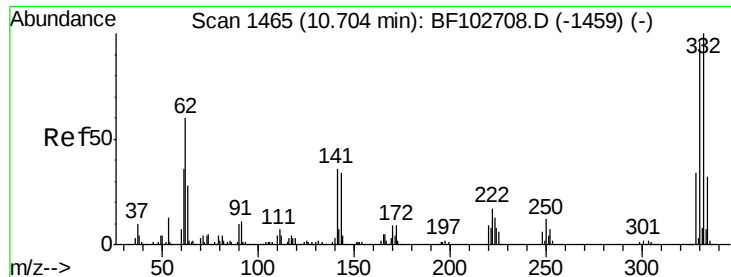
162 101.9 86.1 129.1

160 46.3 38.3 57.5



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

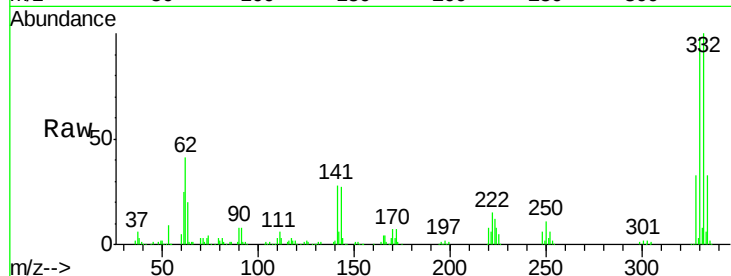




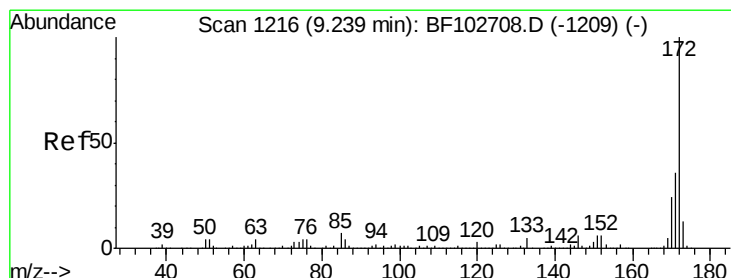
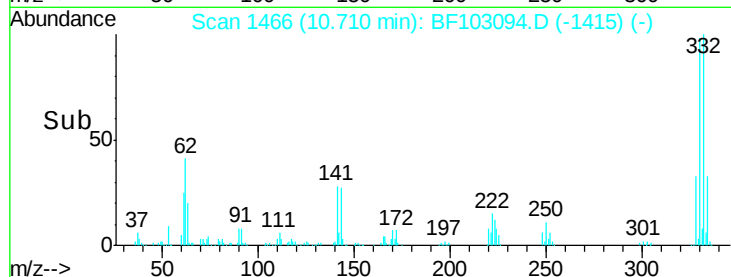
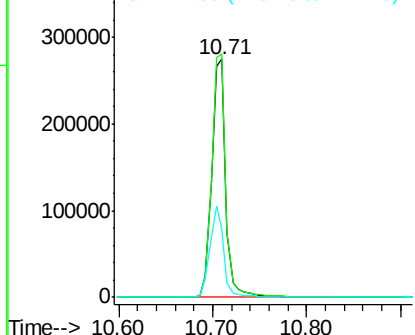
#41
 2,4,6-Tribromophenol
 Concen: 116.46 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103094.D
 Acq: 19 Feb 2018 20:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.2	77.0	115.6
141	37.8	29.9	44.9

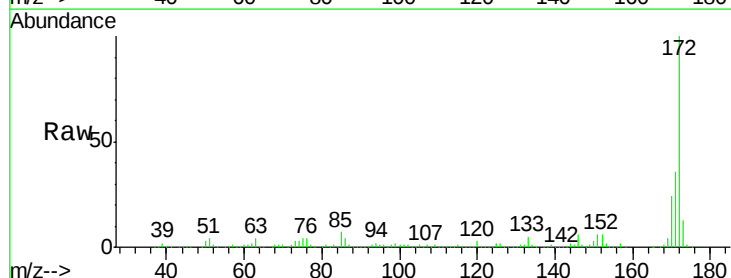


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

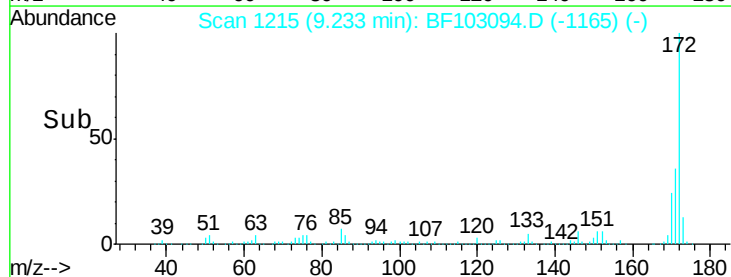
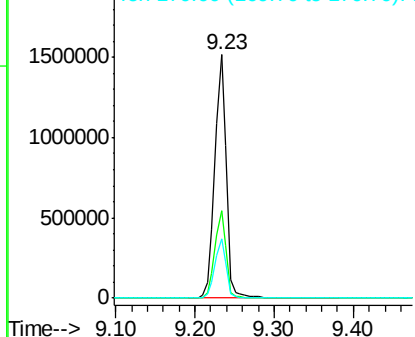


#44
 2-Fluorobiphenyl
 Concen: 81.49 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103094.D
 Acq: 19 Feb 2018 20:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.5	19.6	29.4



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

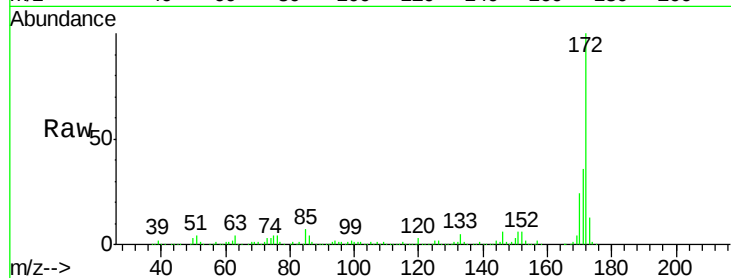




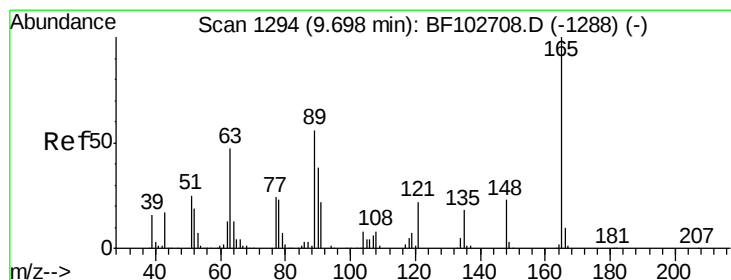
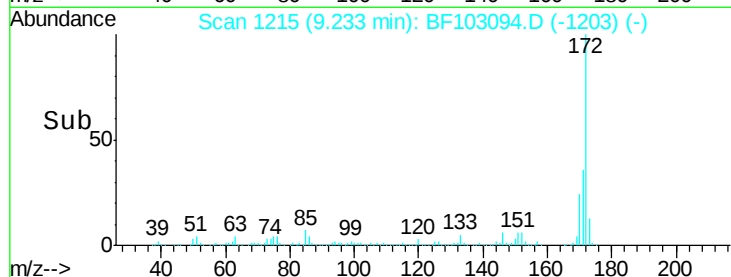
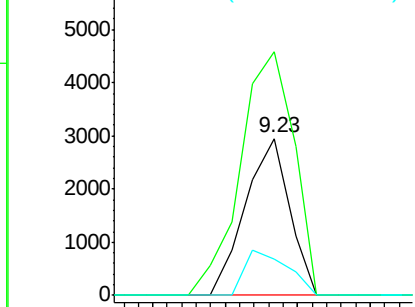
#47
 2-Nitroaniline
 Concen: 3.83 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF103094.D
 Acq: 19 Feb 2018 20:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	65	Resp	2501
Ion	Ratio	Lower	Upper
65	100		
92	155.0	55.8	83.6#
138	23.1	91.2	136.8#

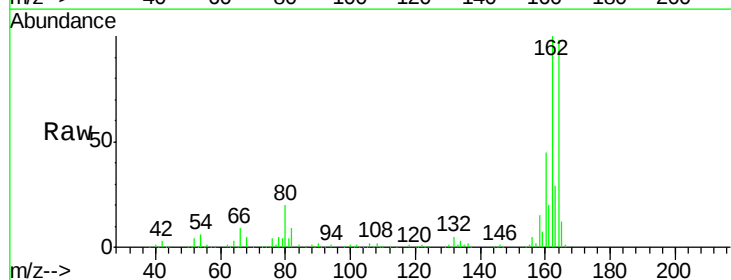


Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

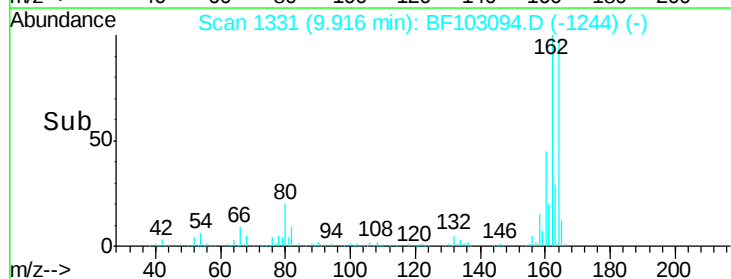
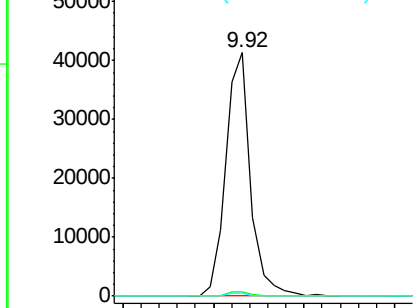


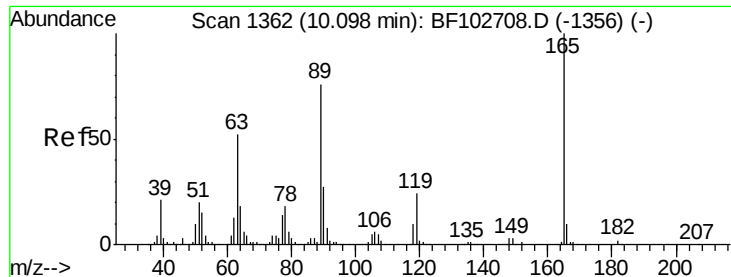
#50
 2,6-Dinitrotoluene
 Concen: 8.46 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF103094.D
 Acq: 19 Feb 2018 20:31

Tgt Ion	165	Resp	39250
Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.5	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

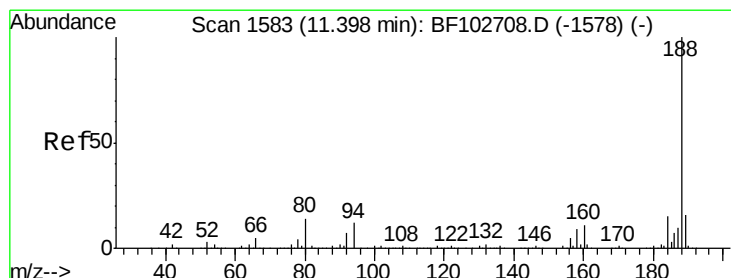
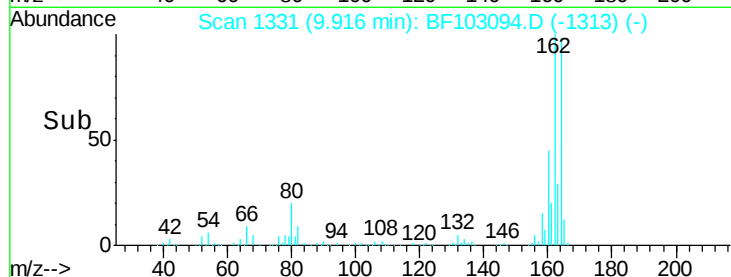
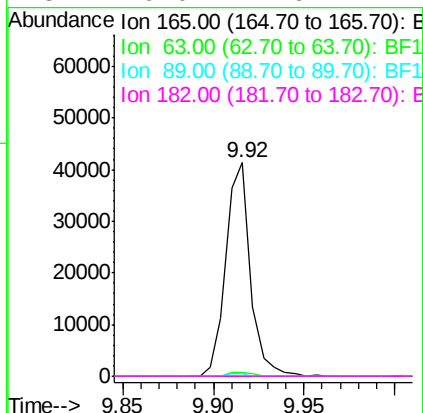
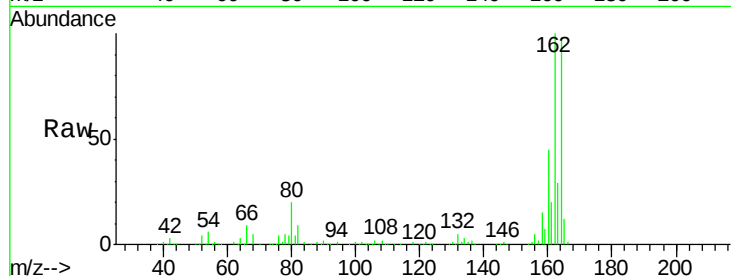




#56
 2,4-Dinitrotoluene
 Concen: 8.98 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103094.D
 Acq: 19 Feb 2018 20:31

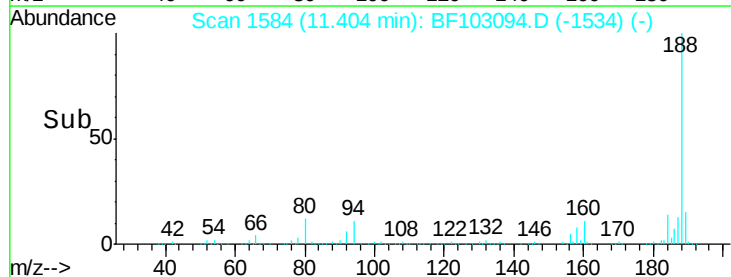
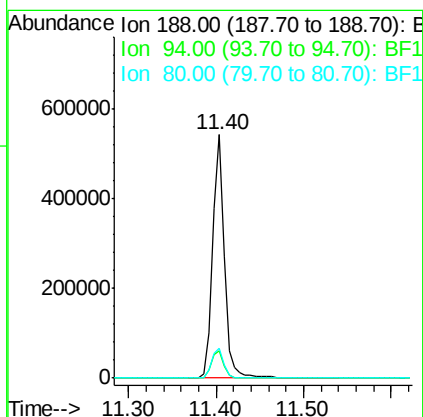
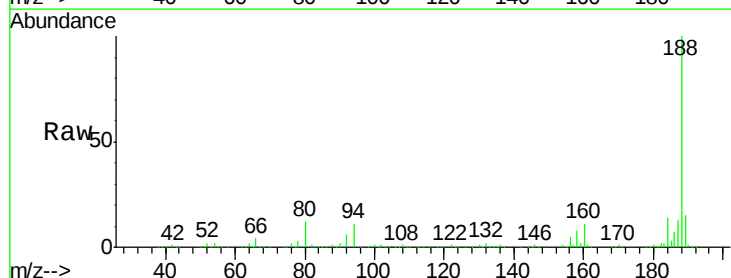
Instrument :
 BNA_F
 ClientSampleId :

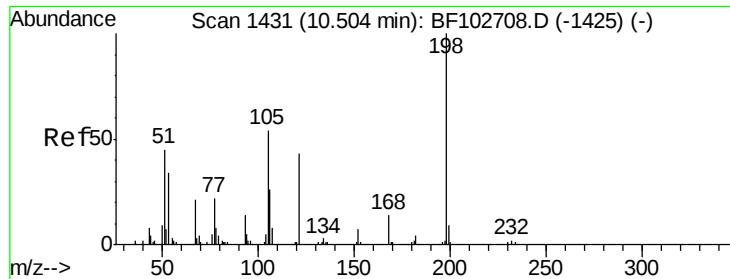
Tot Ion:165	Resp:	39250
Ion Ratio	Lower	Upper
165	100	
63	1.6	36.4 54.6#
89	1.5	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103094.D
 Acq: 19 Feb 2018 20:31

Tgt Ion:188	Resp:	508611
Ion Ratio	Lower	Upper
188	100	
94	11.2	8.5 12.7
80	12.1	9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 9.09 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.18 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

Instrument :

BNA_F

ClientSampleId :

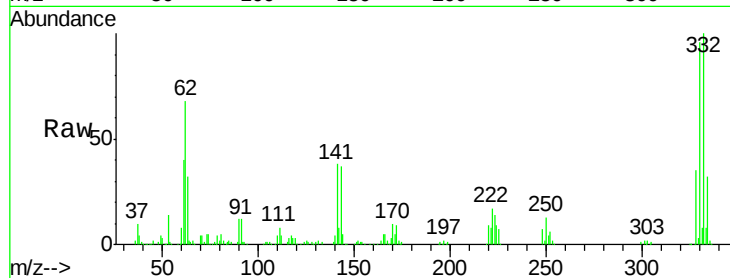
Tot Ion:198 Resp: 685

Ion Ratio Lower Upper

198 100

51 153.3 37.7 77.7#

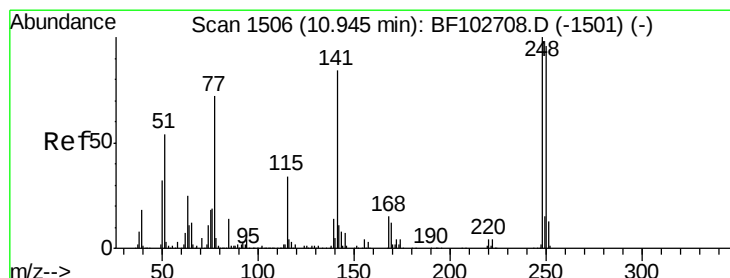
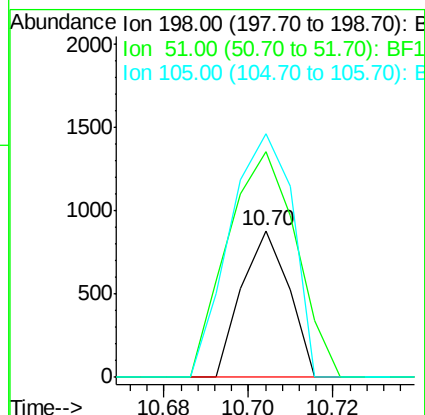
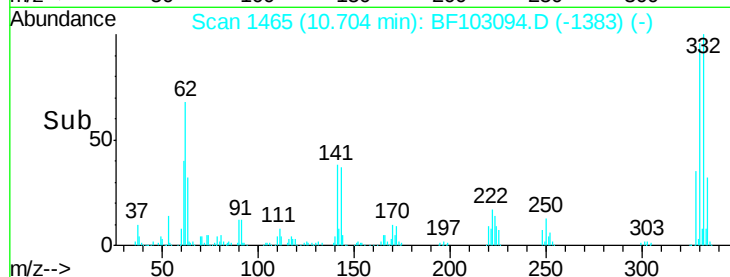
105 165.7 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.42 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

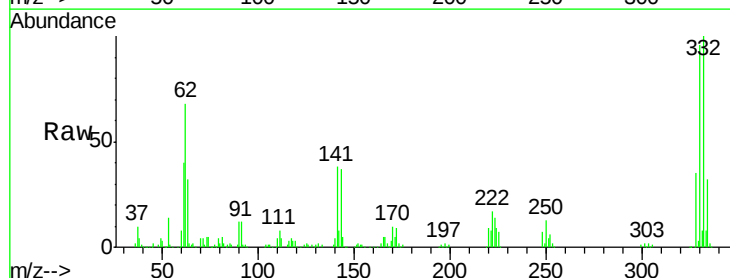
Tgt Ion:248 Resp: 18389

Ion Ratio Lower Upper

248 100

250 193.5 76.9 115.3#

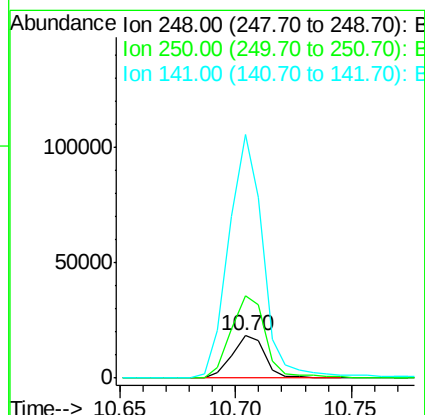
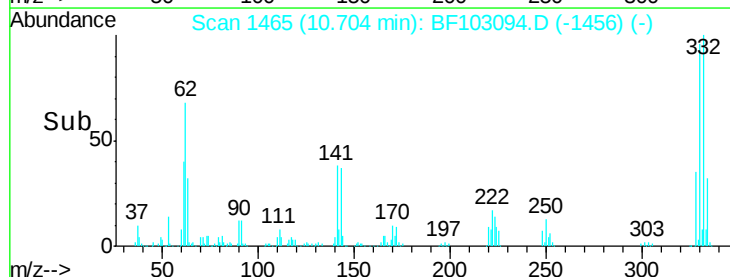
141 571.4 74.4 111.6#

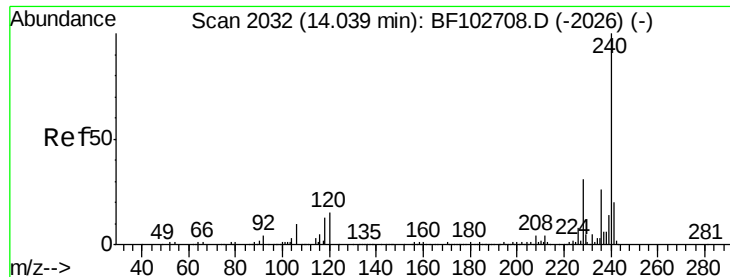


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2034

Delta R.T. -0.01 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

Instrument :

BNA_F

ClientSampleId :

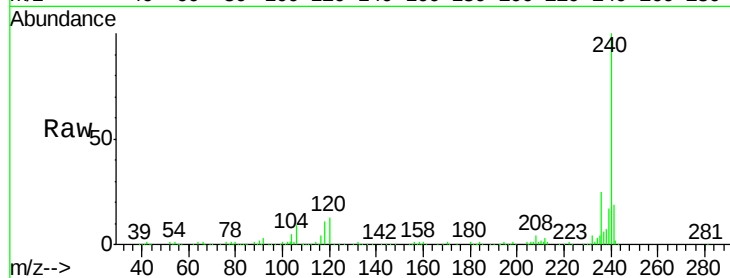
Tot Ion:240 Resp: 296118

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

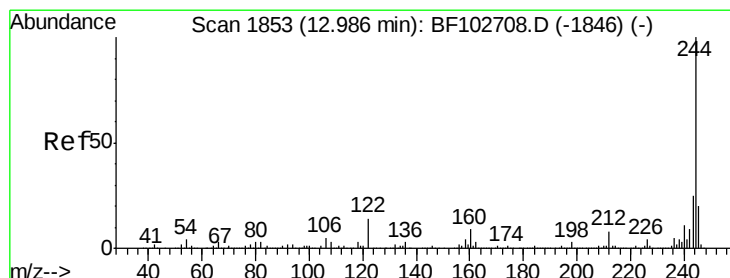
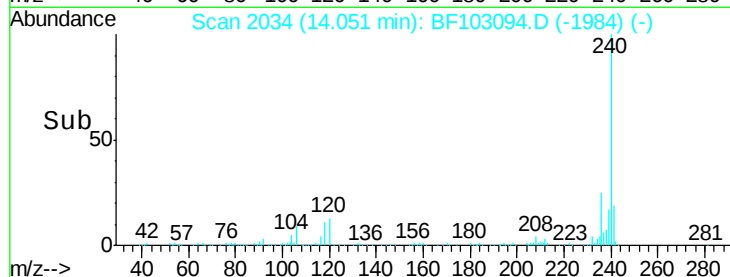
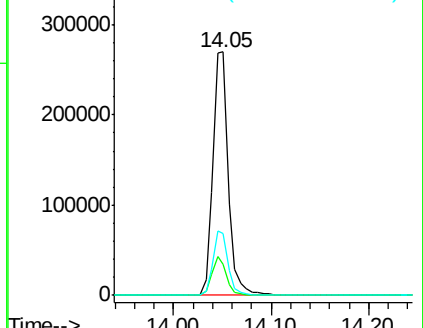
236 25.2 20.7 31.1



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: 92.47 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103094.D

Acq: 19 Feb 2018 20:31

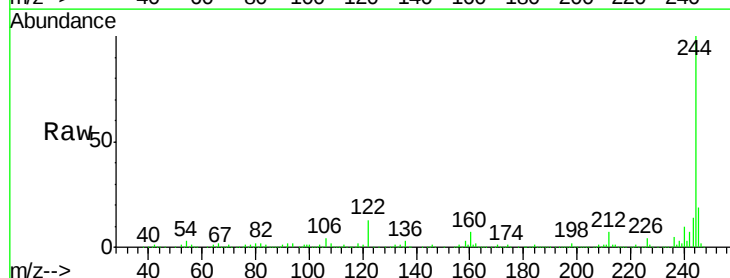
Tgt Ion:244 Resp: 1156477

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

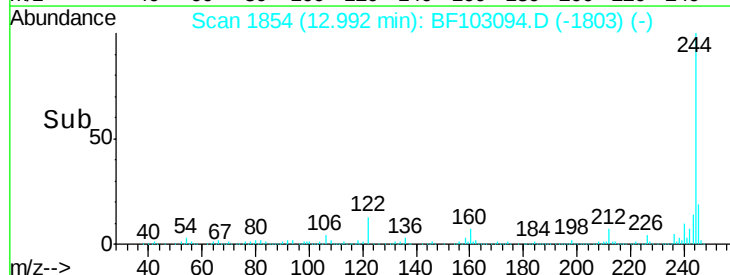
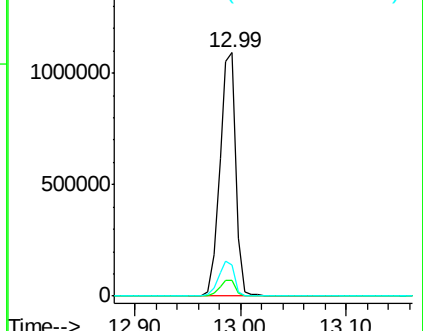
122 12.9 11.0 16.4

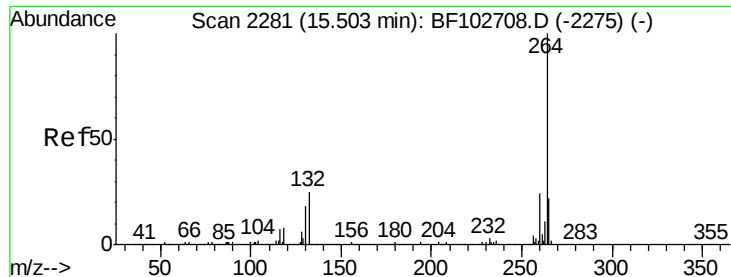


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF103094.D
Acq: 19 Feb 2018 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	20.3	17.5	26.3

