

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102102.D
 Acq On : 16 Jan 2018 12:00
 Operator : SJ/JU
 Sample : J1114-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 23:30:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

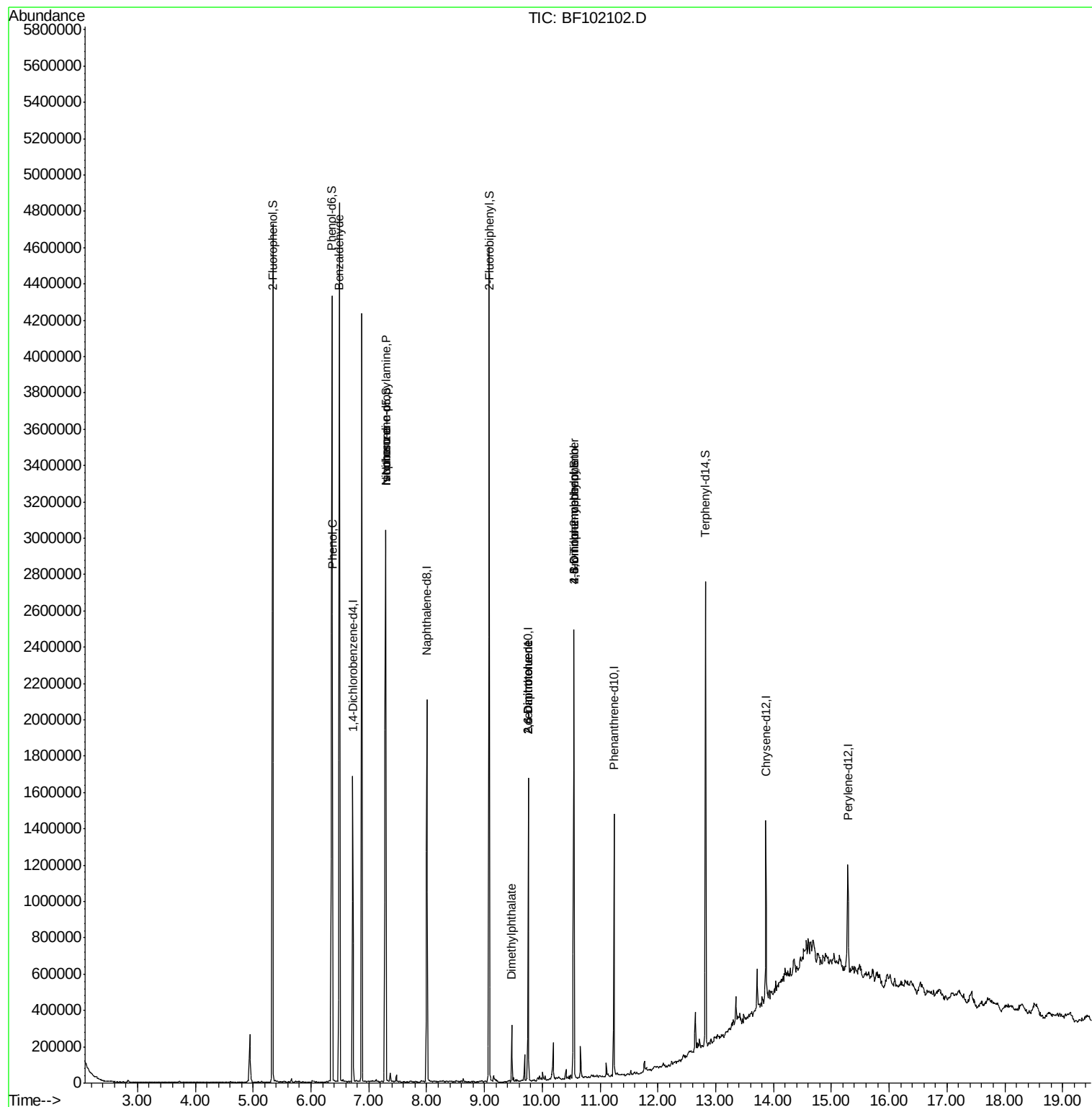
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	214709	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	881480	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	296869	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	452739	20.00	ng	0.00
75) Chrysene-d12	13.87	240	300331	20.00	ng	-0.01
86) Perylene-d12	15.29	264	262538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1484123	97.61	ng	0.01
7) Phenol-d6	6.36	99	1812025	99.88	ng	0.00
23) Nitrobenzene-d5	7.29	82	1143182	76.21	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	281190	108.54	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1555153	81.84	ng	-0.01
78) Terphenyl-d14	12.82	244	916784	63.38	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	31545	2.504	ng	83
10) Phenol	6.37	94	49669	2.423	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	157113	13.215	ng	# 77
25) Isophorone	7.29	82	1140599	38.483	ng	# 64
49) Dimethylphthalate	9.47	163	108657	4.563	ng	99
50) 2,6-Dinitrotoluene	9.76	165	36940	7.765	ng	# 25
56) 2,4-Dinitrotoluene	9.76	165	36940	6.195	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	653	5.896	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	17639	3.689	ng	# 1

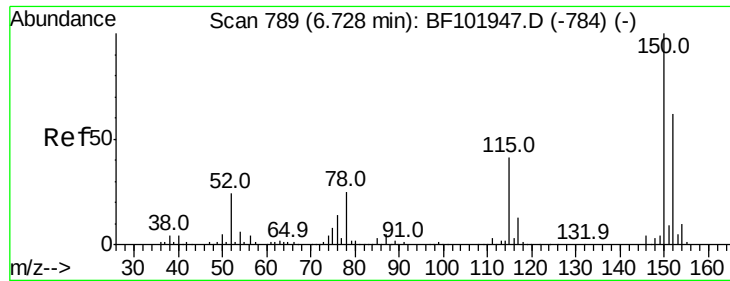
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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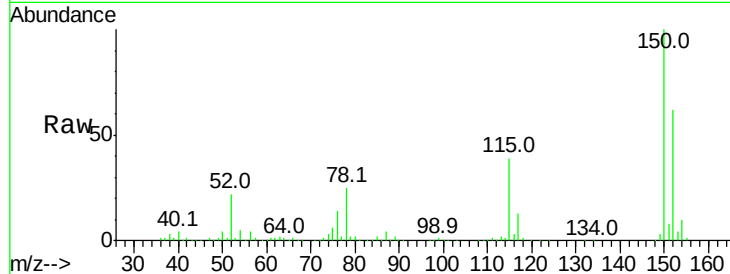


#1

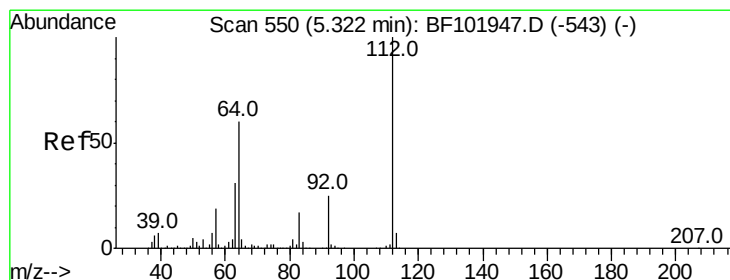
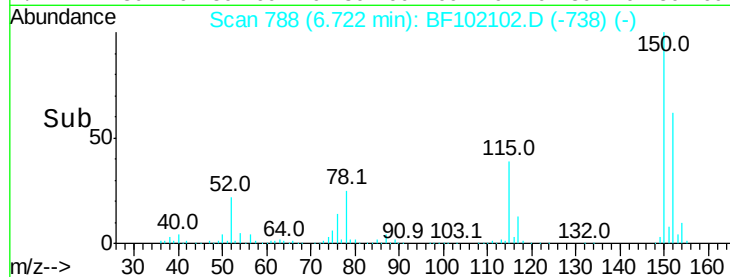
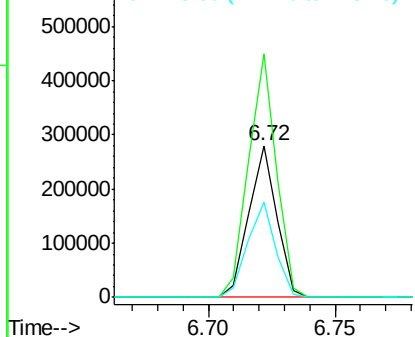
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 214709
 Ion Ratio Lower Upper
 152 100
 150 160.7 124.6 186.8
 115 63.0 50.1 75.1



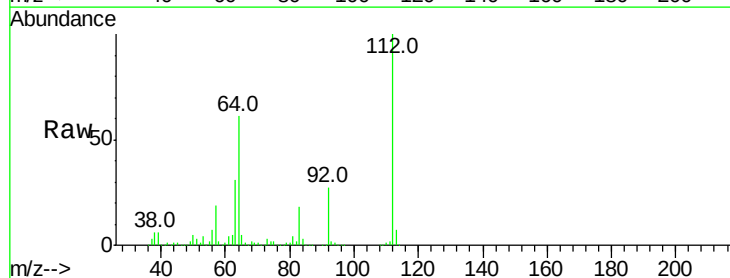
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



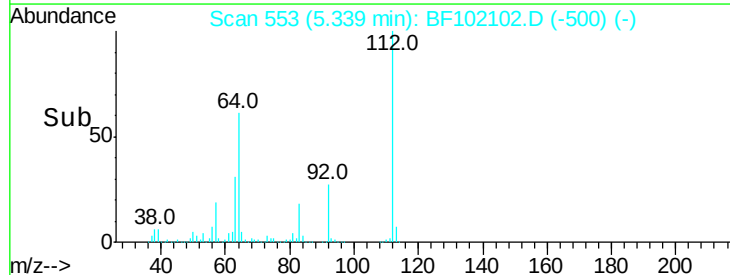
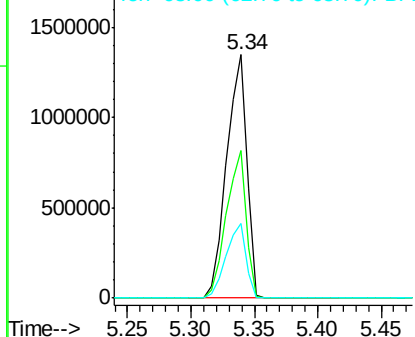
#5

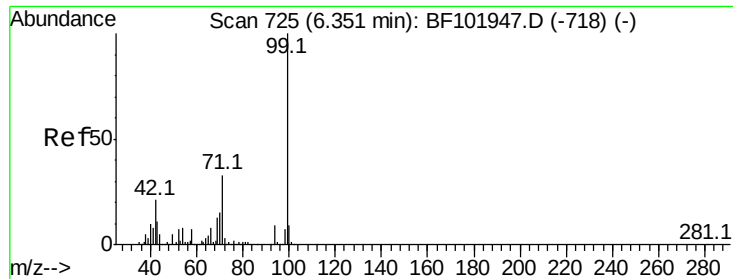
2-Fluorophenol
 Concen: 97.607 ng
 RT: 5.34 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

Tgt Ion:112 Resp: 1484123
 Ion Ratio Lower Upper
 112 100
 64 60.7 47.9 71.9
 63 30.7 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: 99.884 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

Instrument :

BNA_F

ClientSampleId :

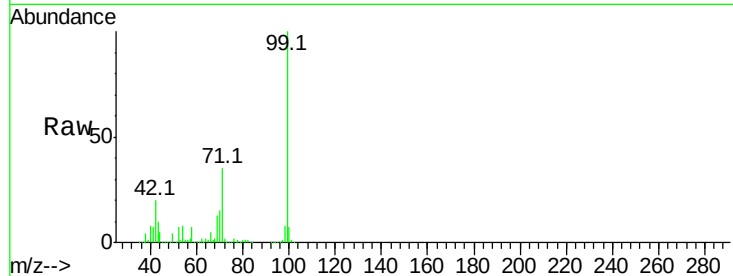
Tot Ion: 99 Resp: 1812025

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

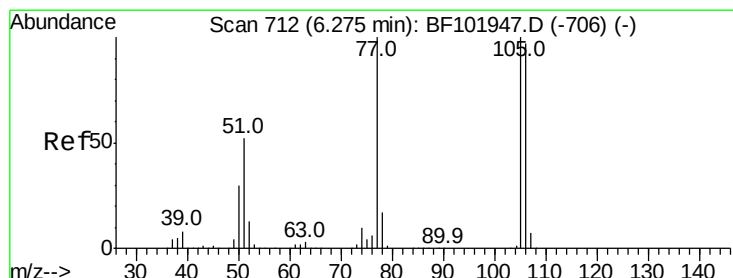
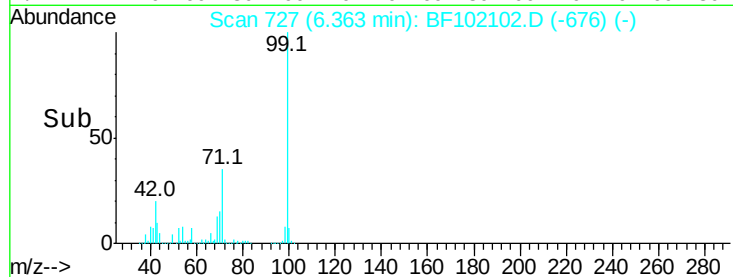
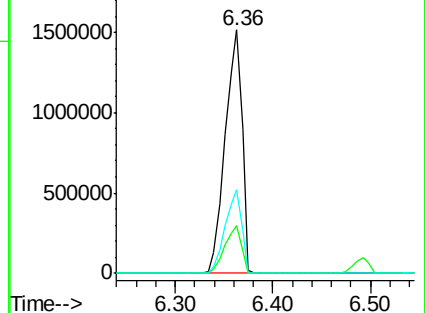
71 34.6 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.504 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

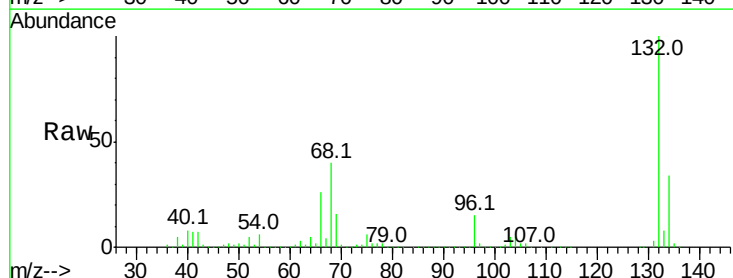
Tgt Ion: 77 Resp: 31545

Ion Ratio Lower Upper

77 100

105 87.4 81.1 121.1

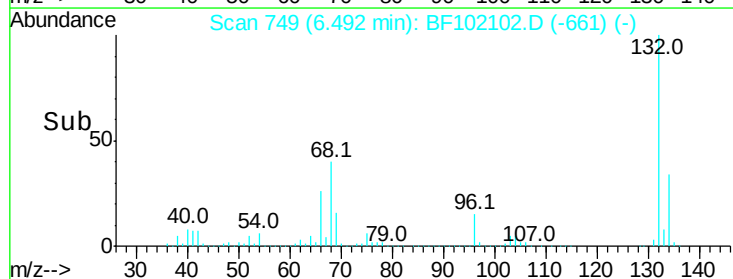
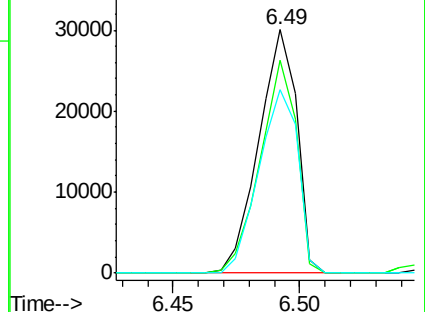
106 75.4 74.5 114.5

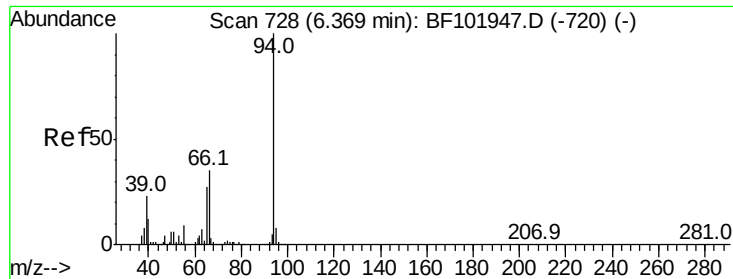


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.423 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

Instrument :

BNA_F

ClientSampled :

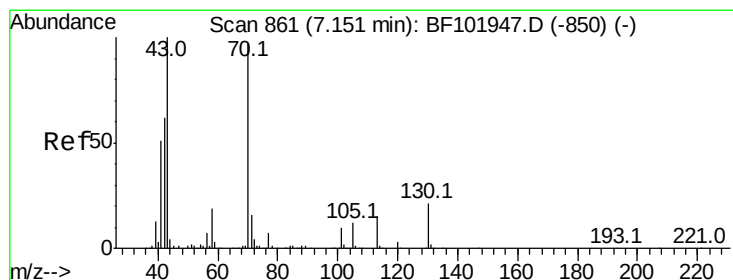
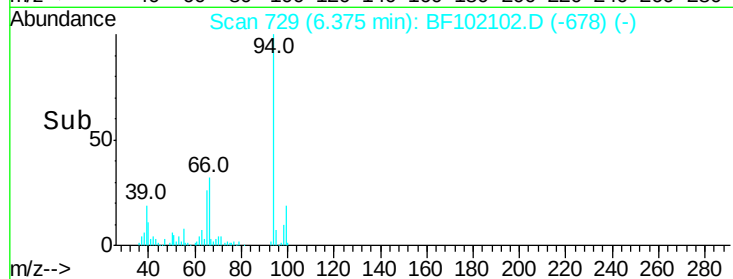
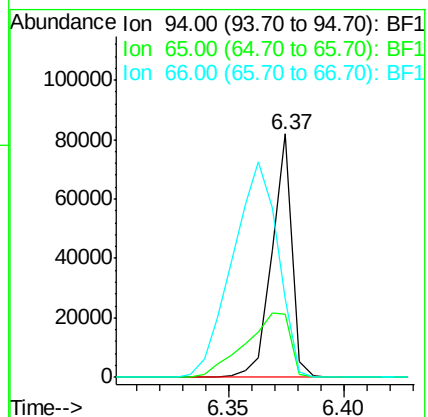
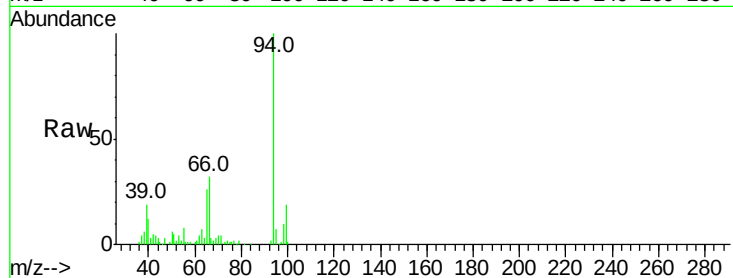
Tot Ion: 94 Resp: 49669

Ion Ratio Lower Upper

94 100

65 26.0 7.9 47.9

66 32.3 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.215 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

Tgt Ion: 70 Resp: 157113

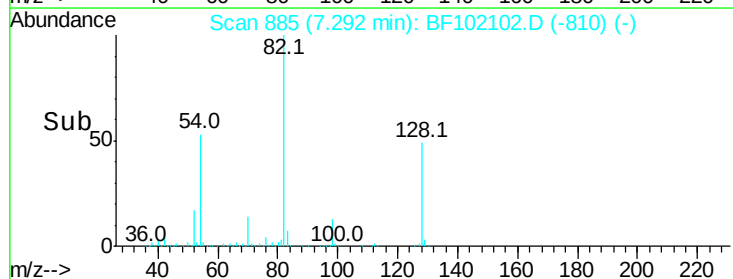
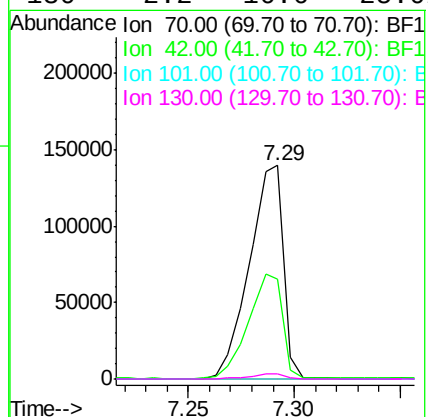
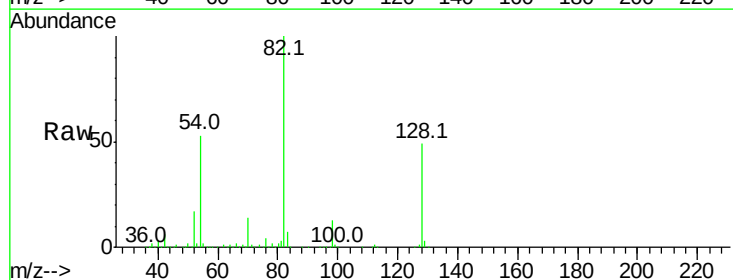
Ion Ratio Lower Upper

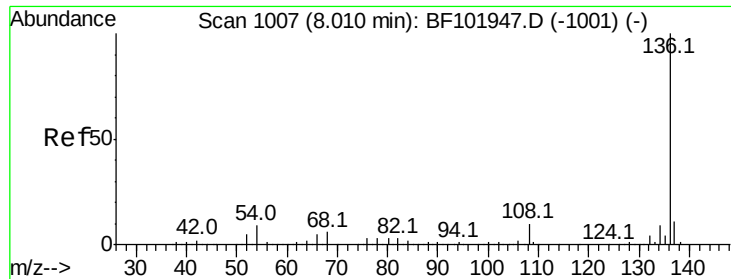
70 100

42 46.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

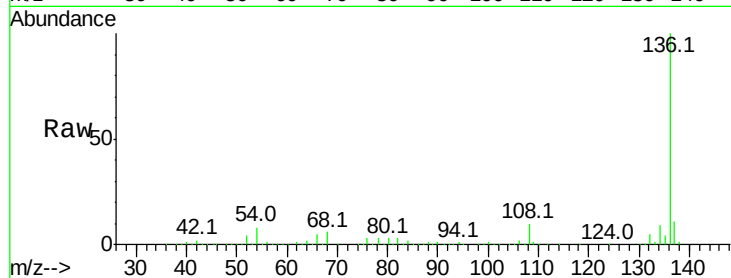




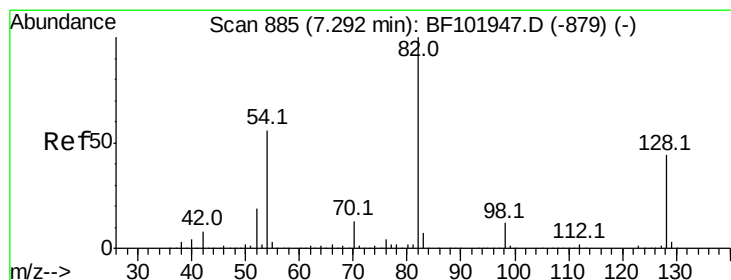
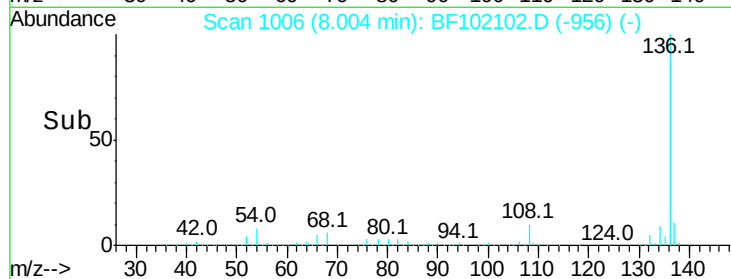
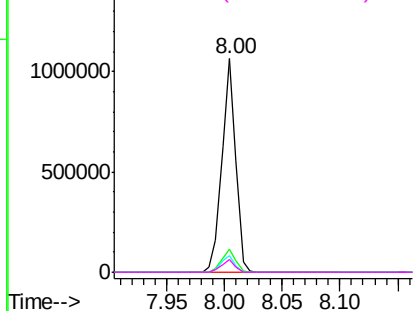
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102102.D
Acq: 16 Jan 2018 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	881480
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.0	6.6	9.8
68	5.8	5.0	7.4

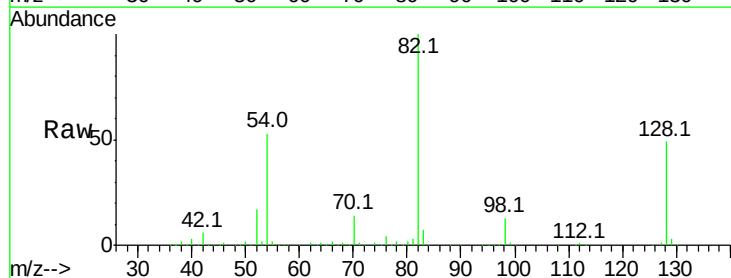


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

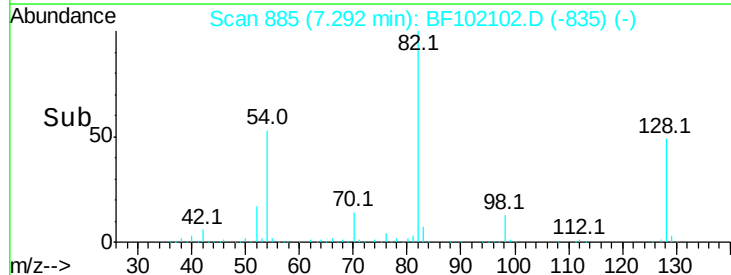
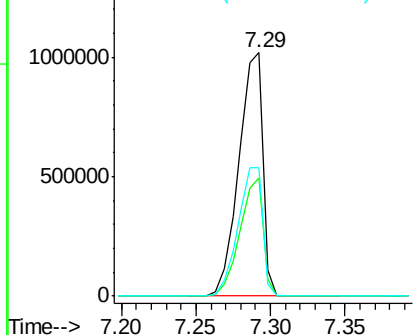


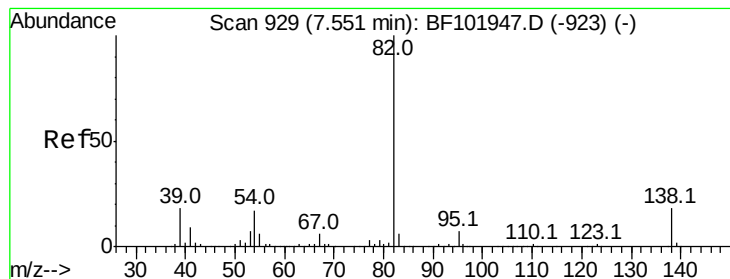
#23
Nitrobenzene-d5
Concen: 76.211 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102102.D
Acq: 16 Jan 2018 12:00

Tgt Ion:	82	Resp:	1143182
Ion	Ratio	Lower	Upper
82	100		
128	48.7	36.1	54.1
54	52.6	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: 38.483 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

Instrument :

BNA_F

ClientSampleId :

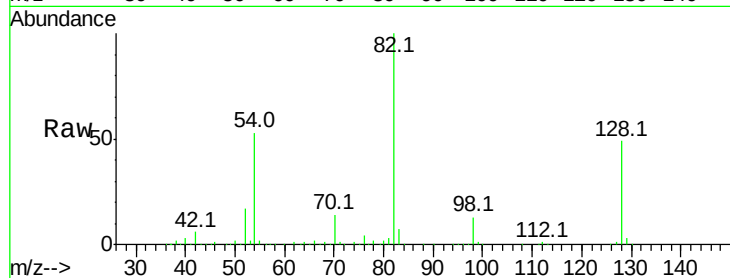
Tot Ion: 82 Resp: 1140599

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

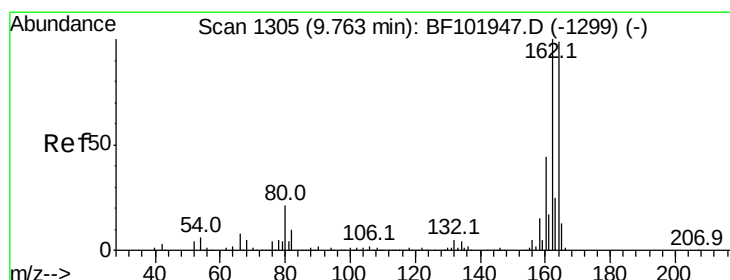
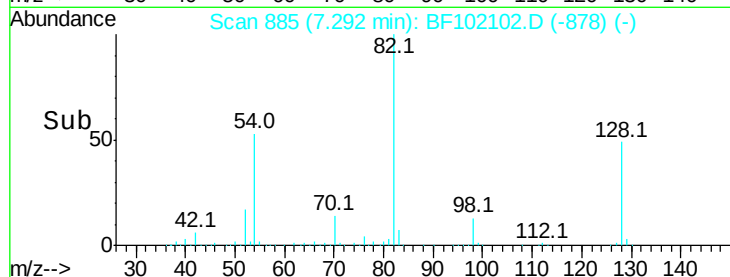
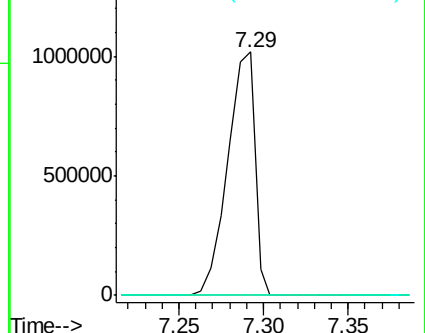
138 0.0 14.9 22.3#



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: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

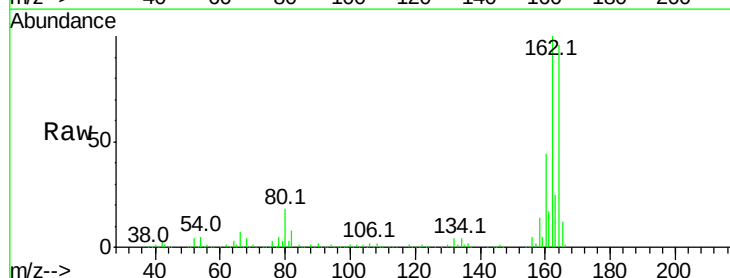
Tgt Ion:164 Resp: 296869

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

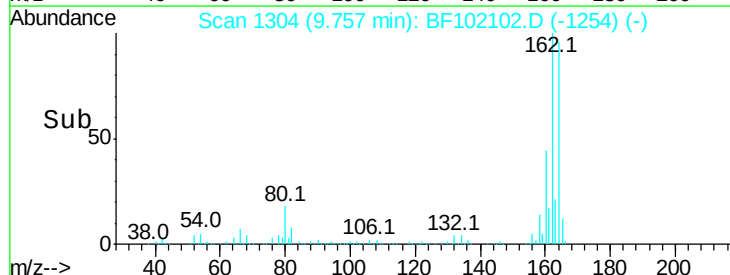
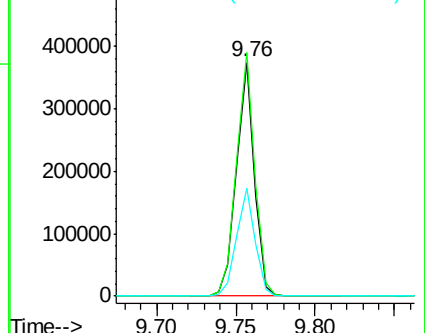
160 46.1 38.3 57.5

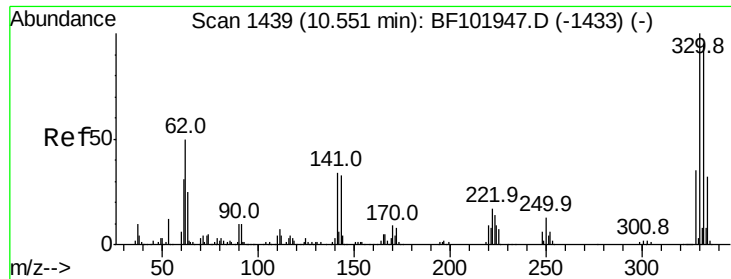


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

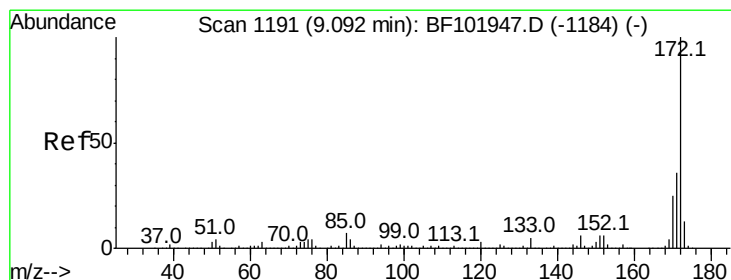
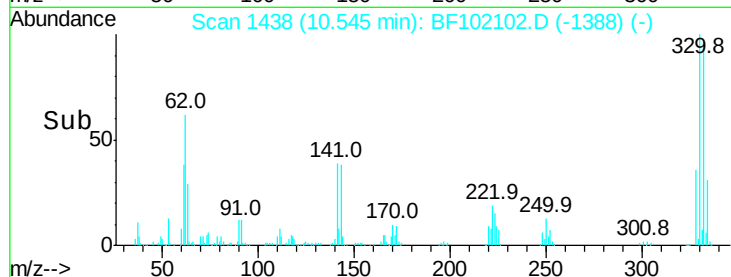
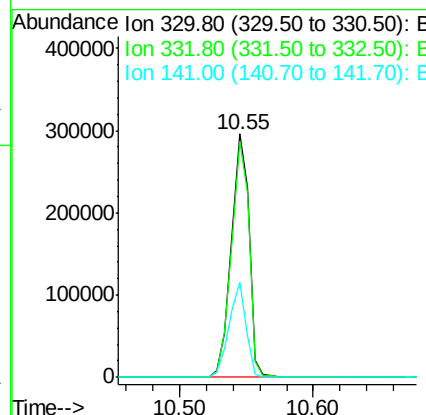
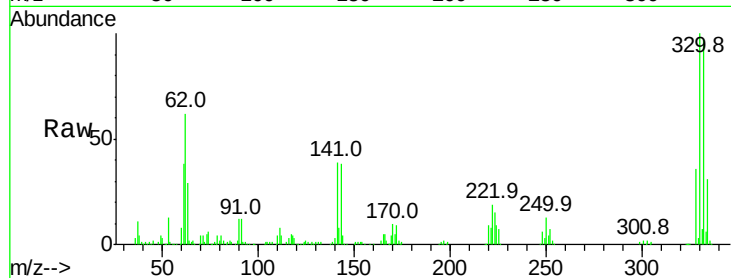




#41
 2,4,6-Tribromophenol
 Concen: 108.537 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

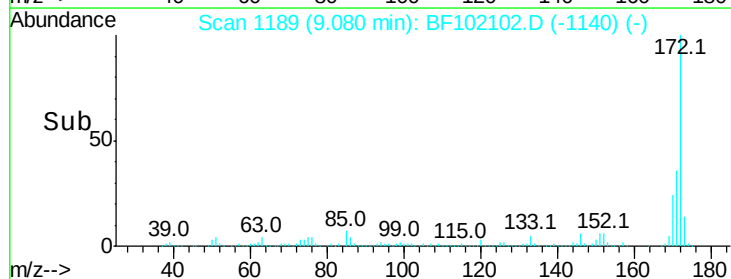
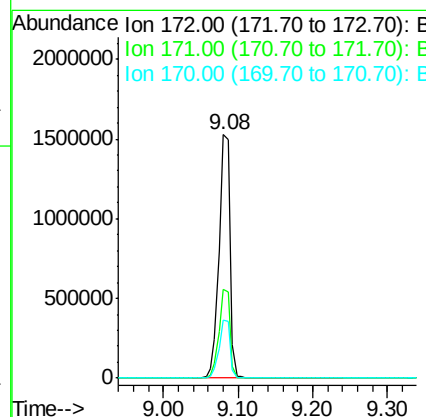
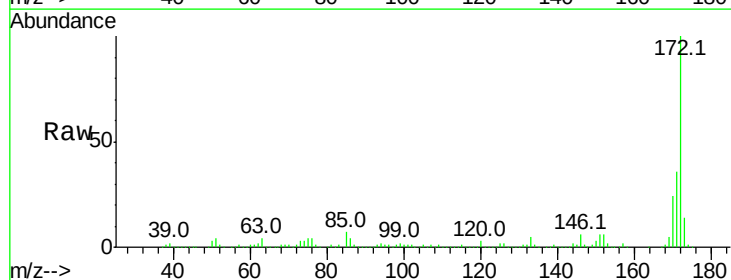
Instrument :
 BNA_F
 ClientSampleId :

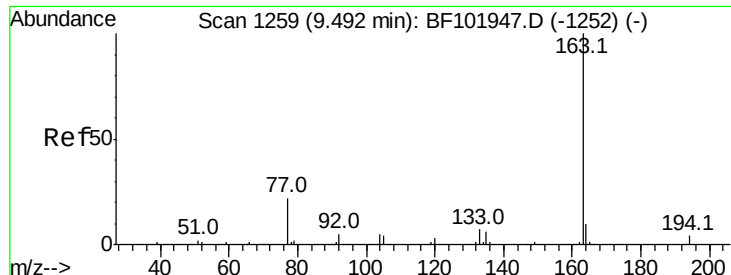
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	37.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 81.840 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4





#49

Dimethylphthalate

Concen: 4.563 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

Instrument :

BNA_F

ClientSampleId :

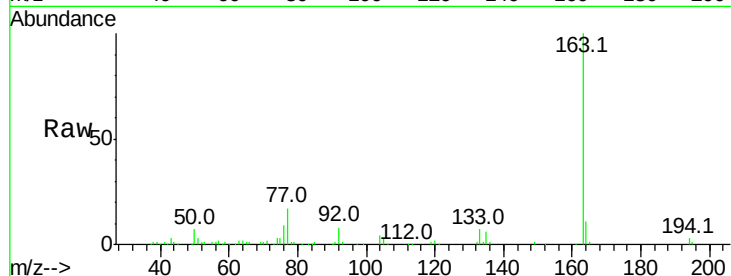
Tot Ion:163 Resp: 108657

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

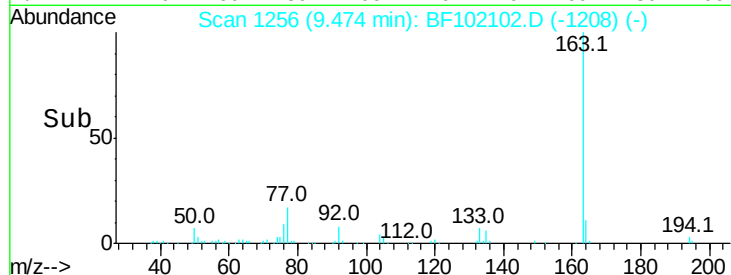
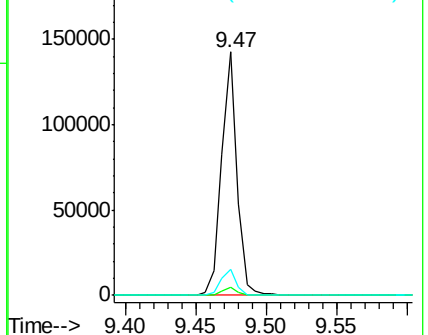
164 10.7 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 7.765 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

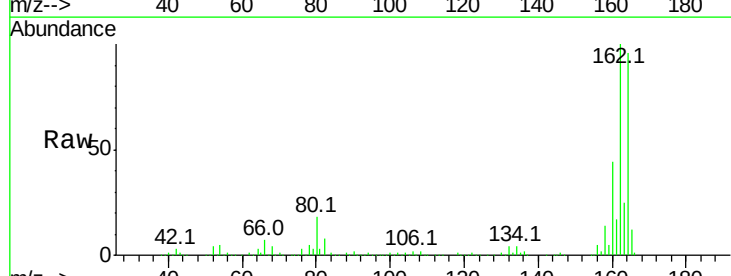
Tgt Ion:165 Resp: 36940

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

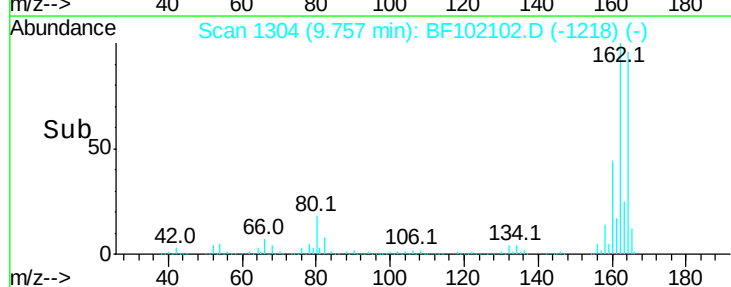
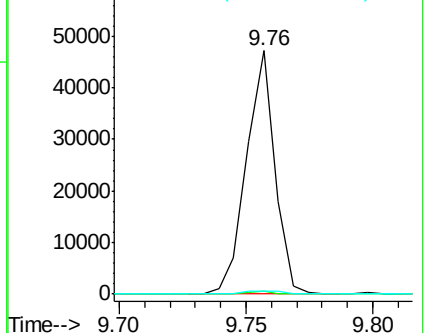
89 1.4 44.0 66.0#

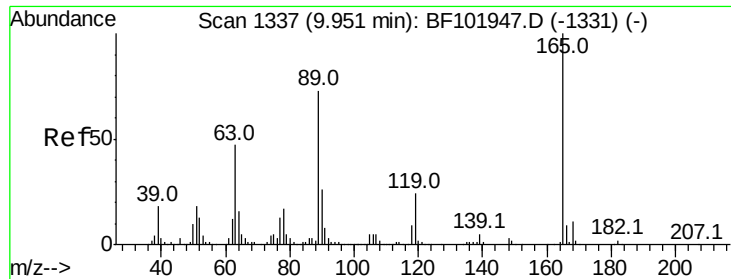


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

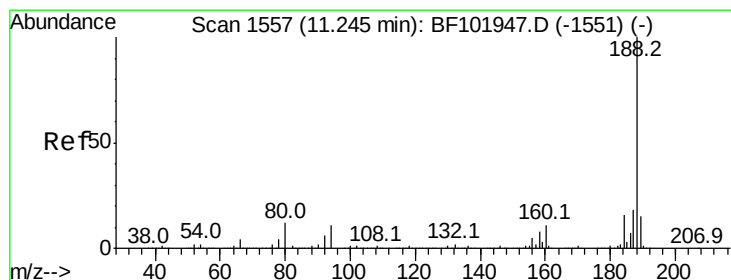
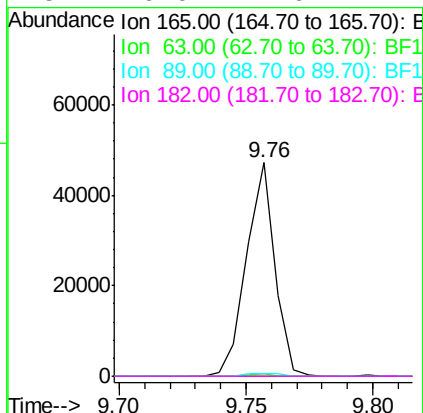
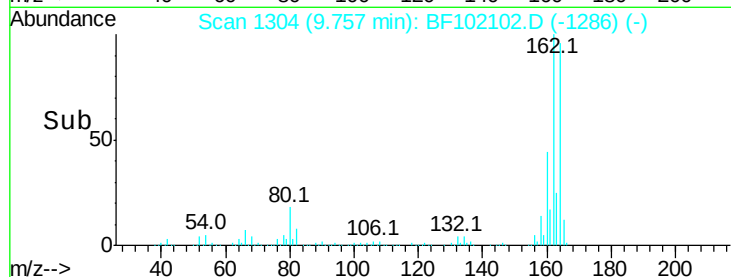
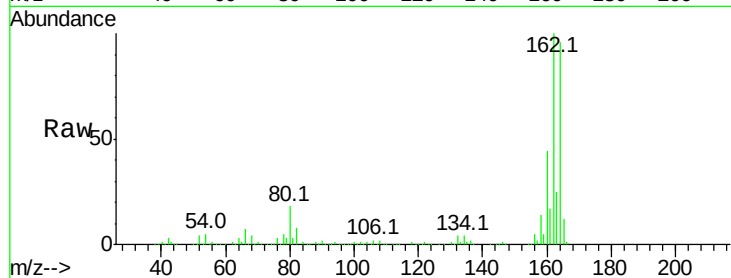




#56
 2,4-Dinitrotoluene
 Concen: 6.195 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

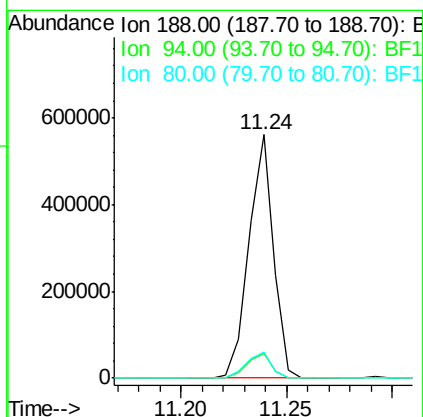
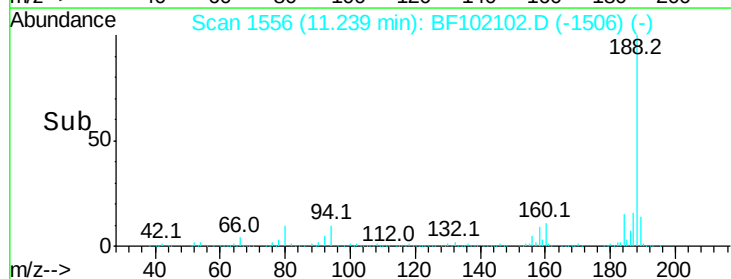
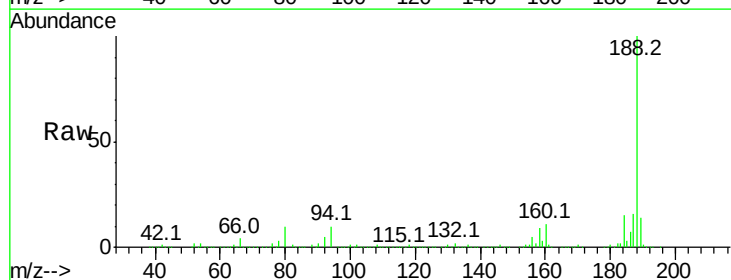
Instrument :
 BNA_F
 ClientSampleId :

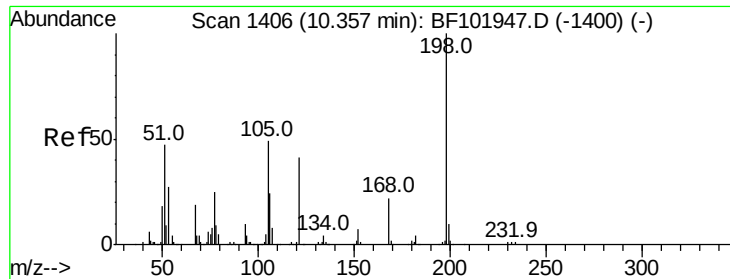
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.5	9.2	13.8

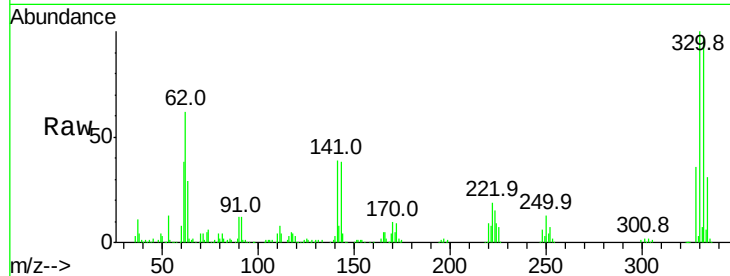




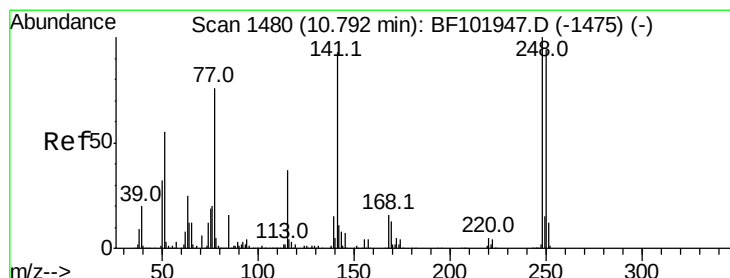
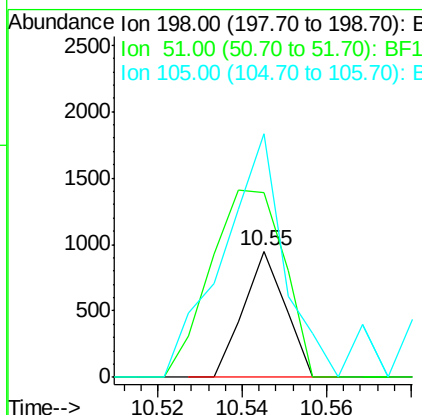
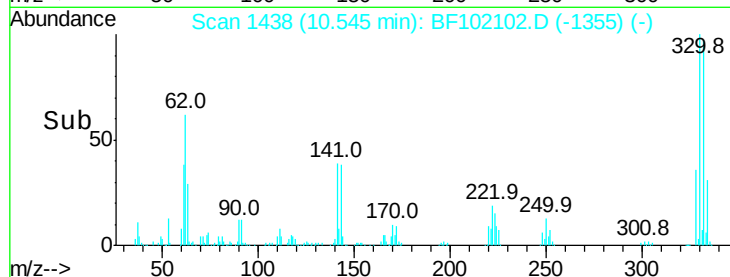
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.896 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 653
 Ion Ratio Lower Upper
 198 100
 51 146.4 37.7 77.7#
 105 192.6 36.3 76.3#

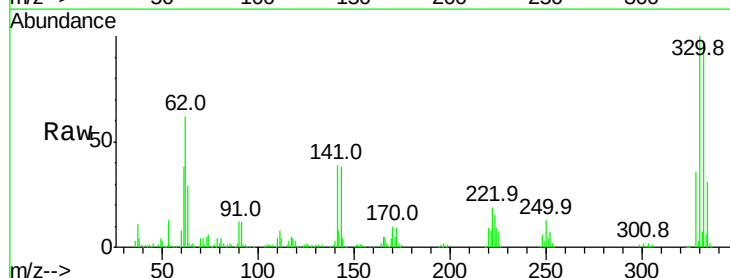


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

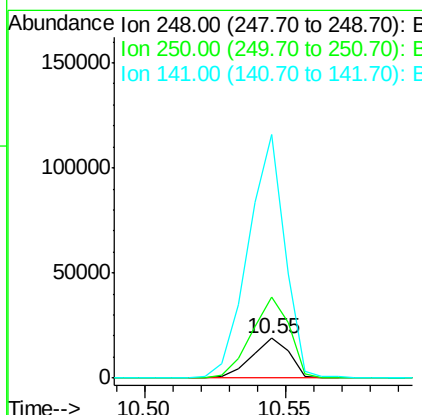
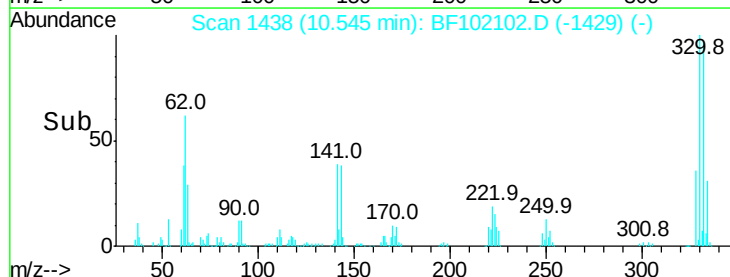


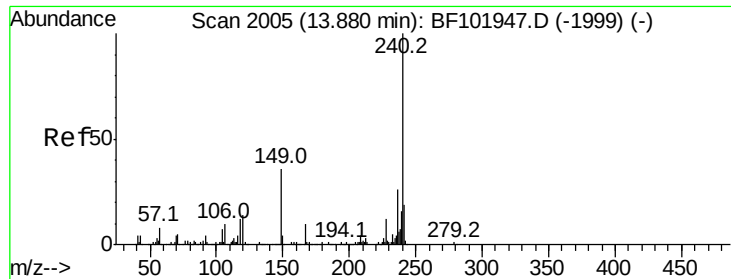
#66
 4-Bromophenyl-phenylether
 Concen: 3.689 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102102.D
 Acq: 16 Jan 2018 12:00

Tgt Ion:248 Resp: 17639
 Ion Ratio Lower Upper
 248 100
 250 202.3 76.9 115.3#
 141 611.8 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: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

Instrument :

BNA_F

ClientSampled :

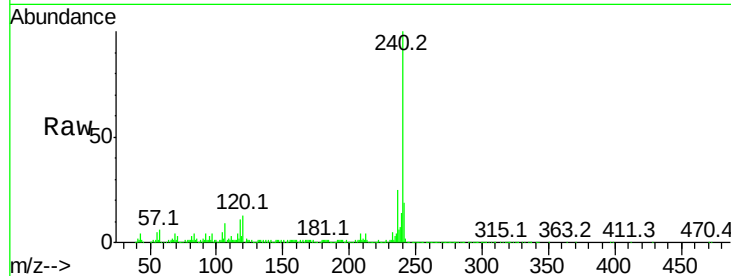
Tot Ion:240 Resp: 300331

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

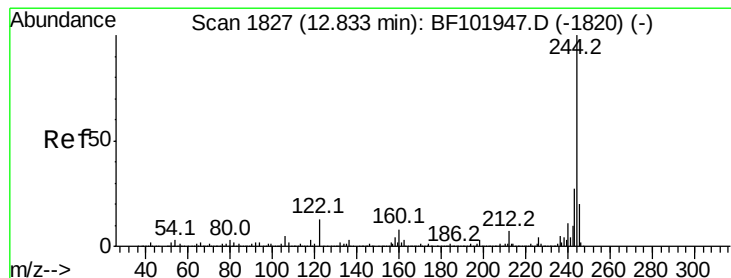
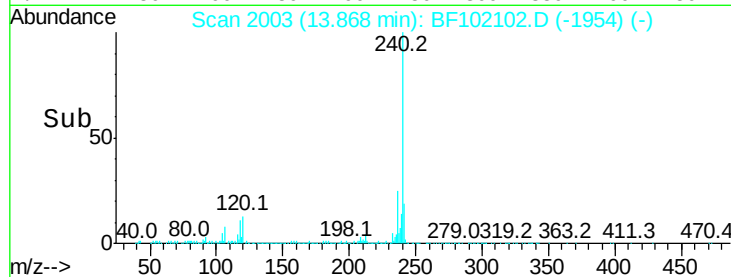
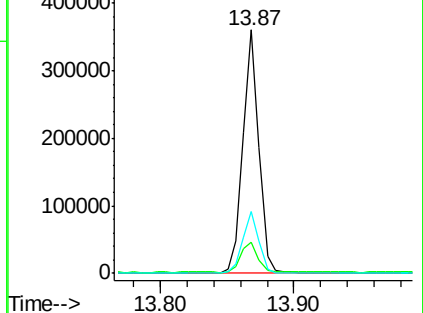
236 25.2 20.7 31.1



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: 63.380 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102102.D

Acq: 16 Jan 2018 12:00

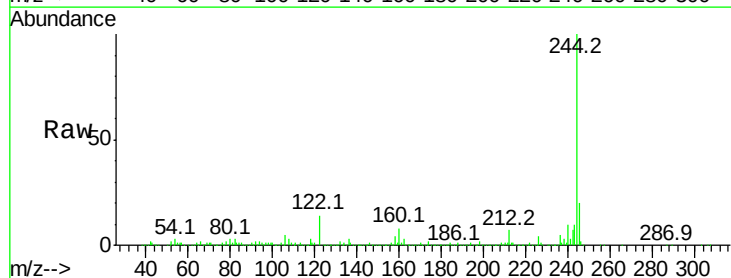
Tgt Ion:244 Resp: 916784

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

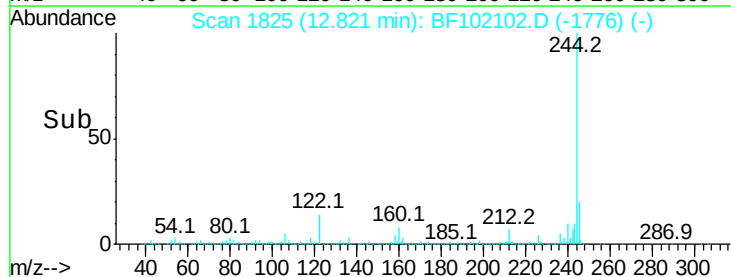
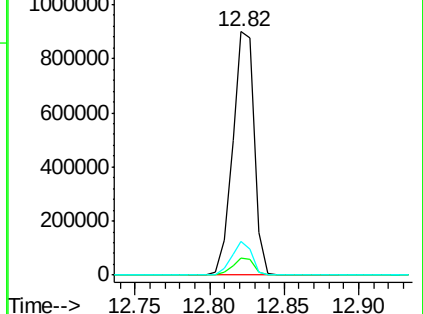
122 14.0 11.0 16.4

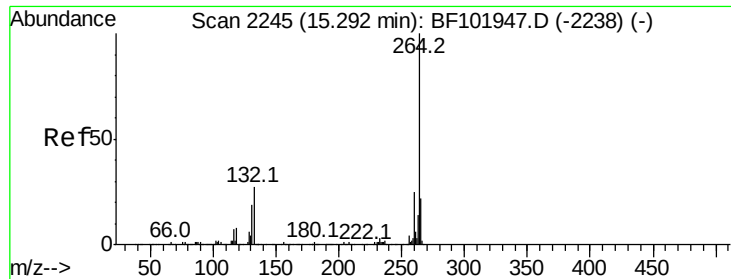


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

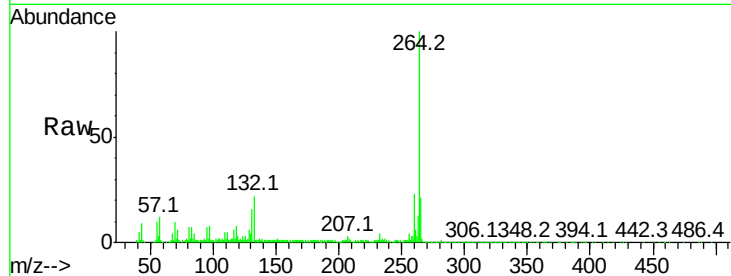




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF102102.D
Acq: 16 Jan 2018 12:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.0	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

