

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100419.D
 Acq On : 11 Nov 2017 4:22
 Operator : SJ/JU
 Sample : I6355-09
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 07:17:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

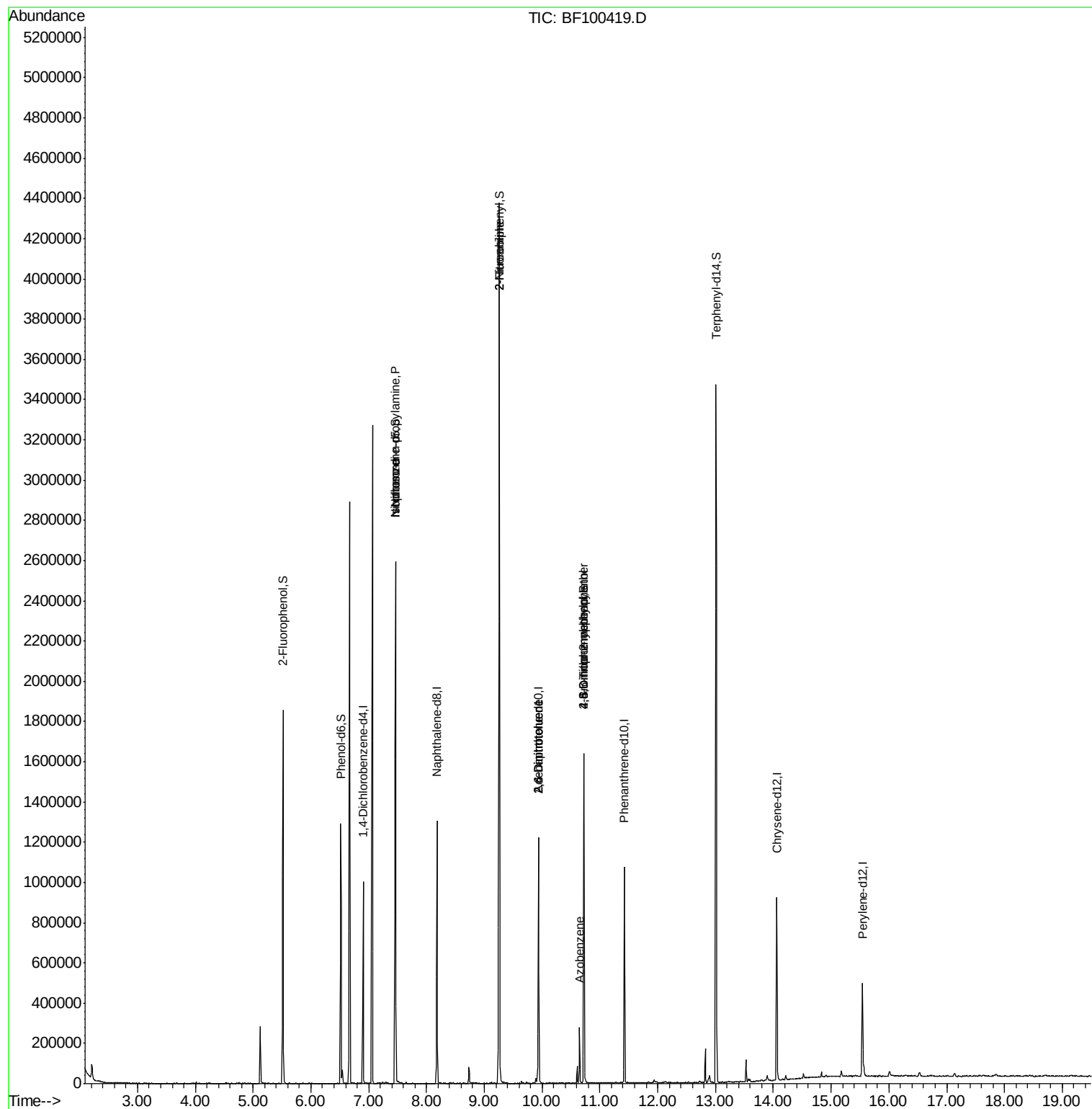
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	155332	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	564615	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	232836	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	371086	20.00	ng	0.00
75) Chrysene-d12	14.06	240	307586	20.00	ng	0.00
86) Perylene-d12	15.54	264	231458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	476269	49.15	ng	0.00
7) Phenol-d6	6.52	99	374353	31.33	ng	-0.01
23) Nitrobenzene-d5	7.47	82	968669	113.43	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	213496	89.98	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1595425	104.34	ng	0.00
78) Terphenyl-d14	13.01	244	1156470	86.39	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	130822	15.787	ng	# 81
25) Isophorone	7.47	82	966724	53.867	ng	# 64
47) 2-Nitroaniline	9.26	65	2476	3.324	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	28928	8.221	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	28928	6.516	ng	# 23
62) Azobenzene	10.65	77	49694	2.966	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	430	8.759	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	13241	3.329	ng	# 1

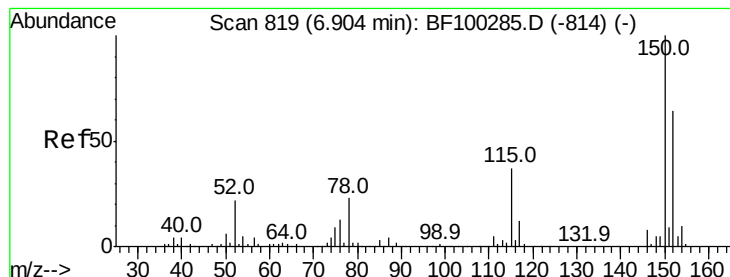
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

Instrument :

BNA_F

ClientSampleId :

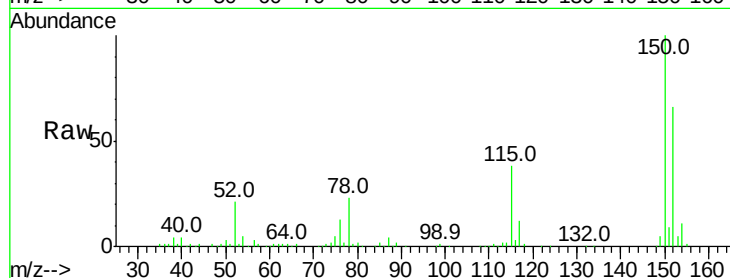
Tot Ion:152 Resp: 155332

Ion Ratio Lower Upper

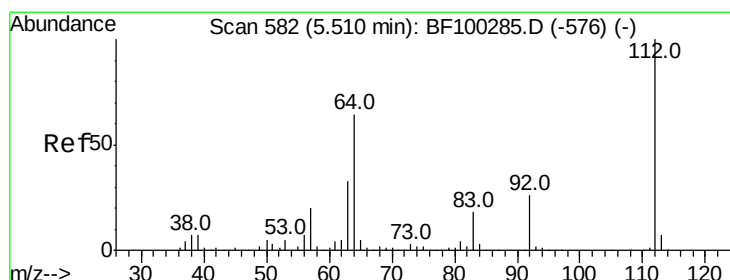
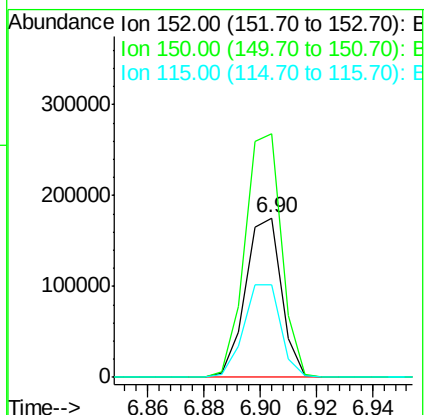
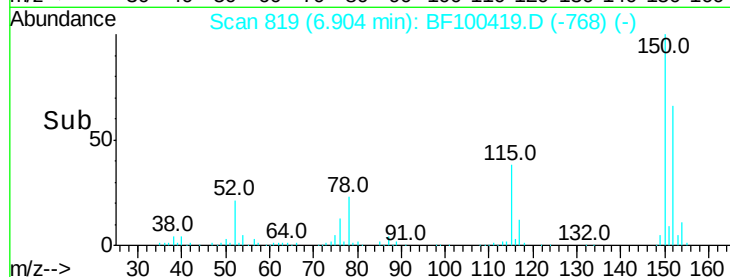
152 100

150 152.5 124.6 186.8

115 58.3 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: 49.150 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.00 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

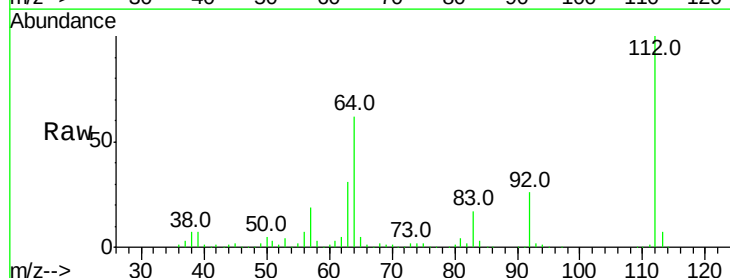
Tgt Ion:112 Resp: 476269

Ion Ratio Lower Upper

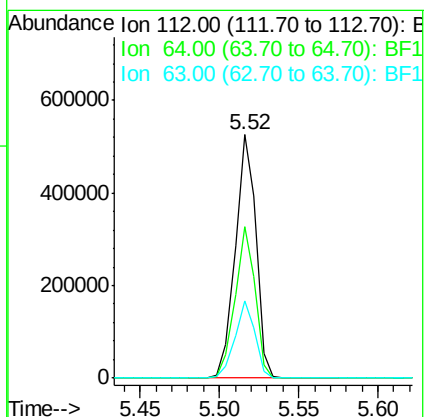
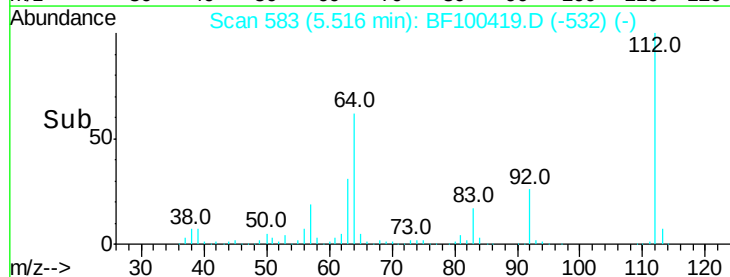
112 100

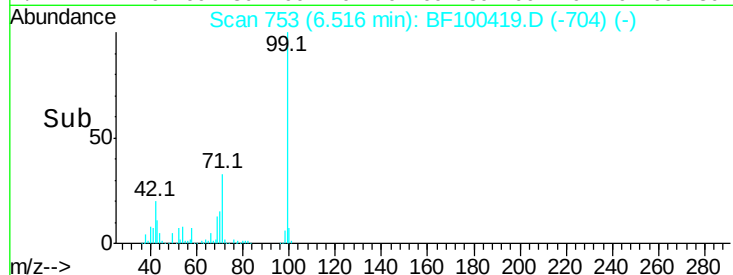
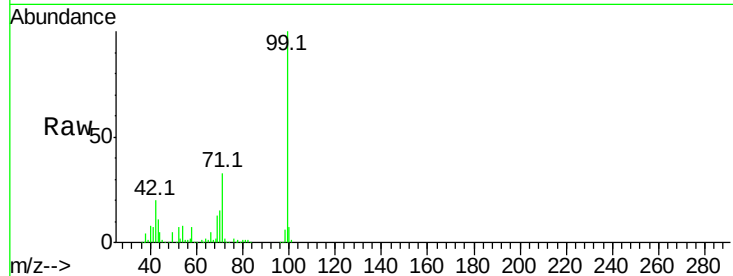
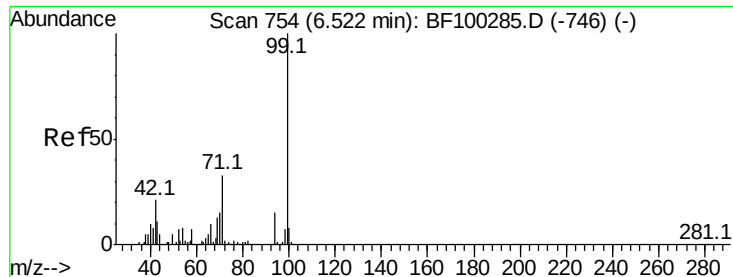
64 62.3 47.9 71.9

63 31.5 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: 31.329 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

Instrument :

BNA_F

ClientSampled :

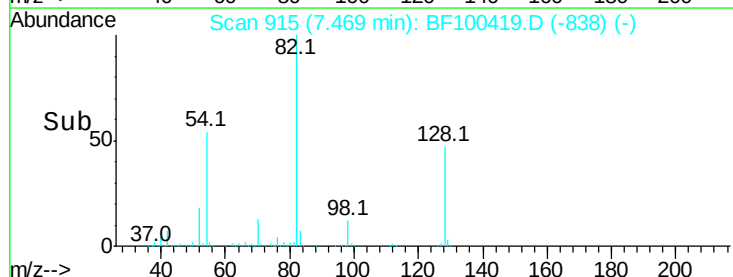
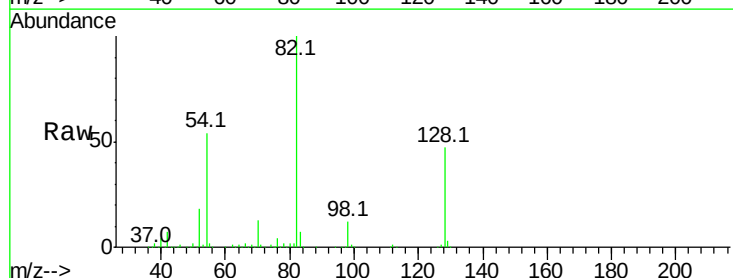
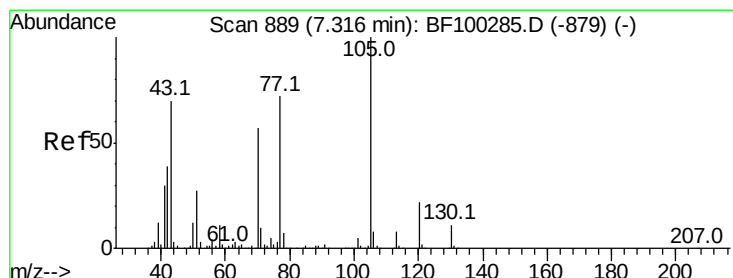
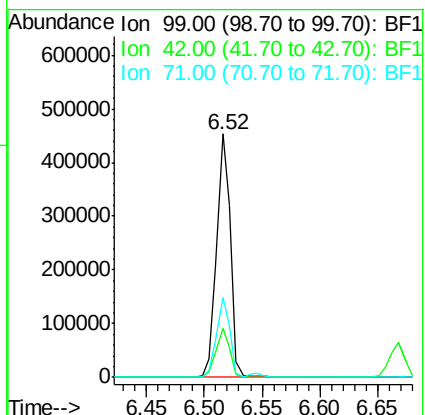
Tot Ion: 99 Resp: 374353

Ion Ratio Lower Upper

99 100

42 20.4 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.787 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.15 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

Tgt Ion: 70 Resp: 130822

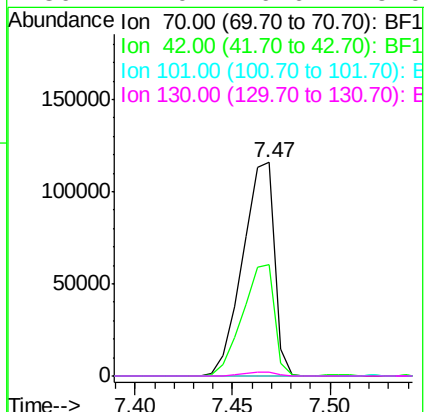
Ion Ratio Lower Upper

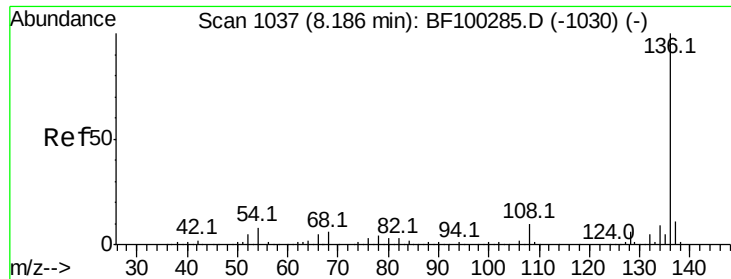
70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

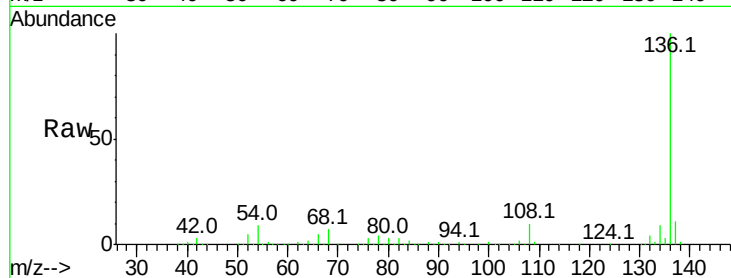




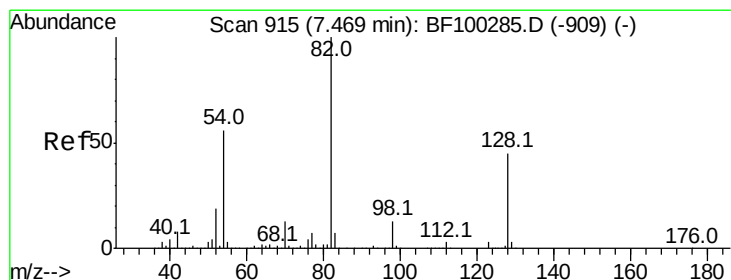
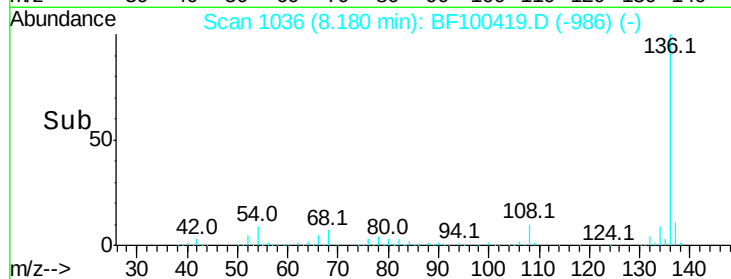
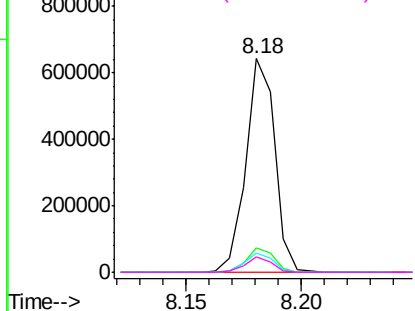
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100419.D
Acq: 11 Nov 2017 4:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 564615
Ion Ratio	Lower Upper
136 100	
137 11.2	8.9 13.3
54 9.3	6.6 9.8
68 7.0	5.0 7.4

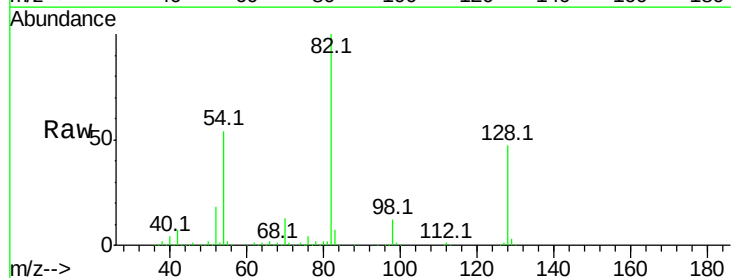


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

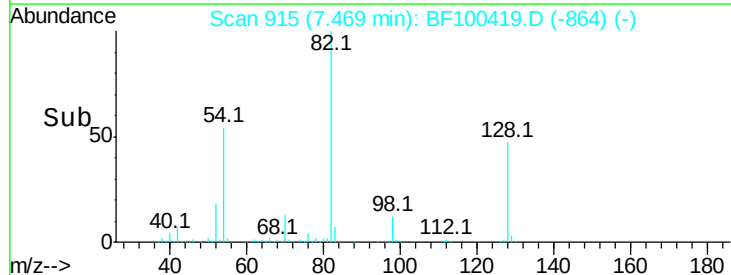
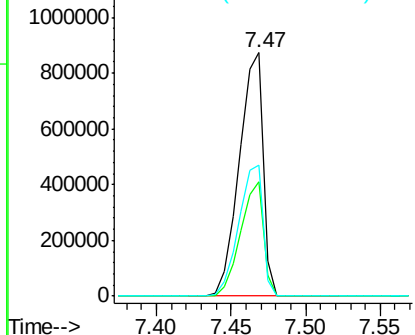


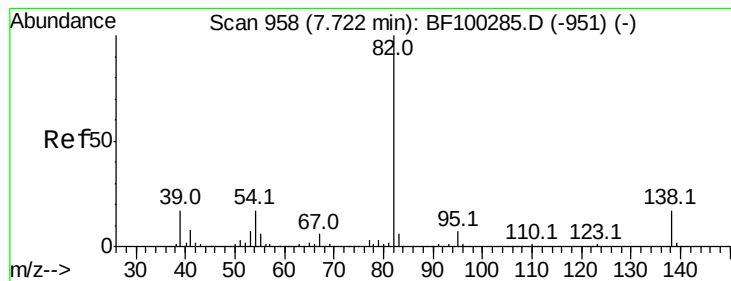
#23
Nitrobenzene-d5
Concen: 113.426 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF100419.D
Acq: 11 Nov 2017 4:22

Tgt	Ion: 82	Resp:	968669
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	53.6	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: 53.867 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.26 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

Instrument :

BNA_F

ClientSampled :

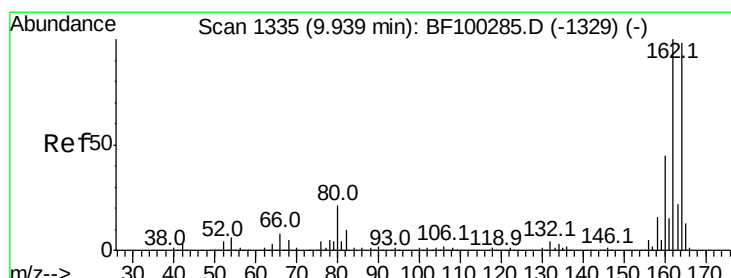
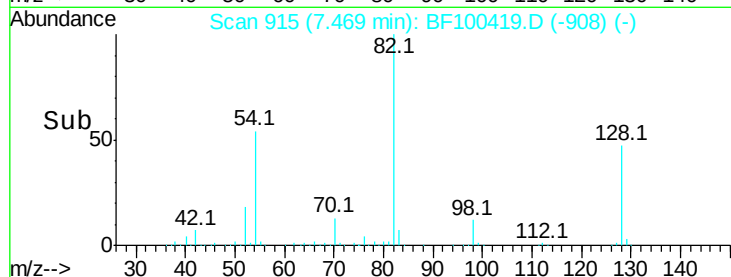
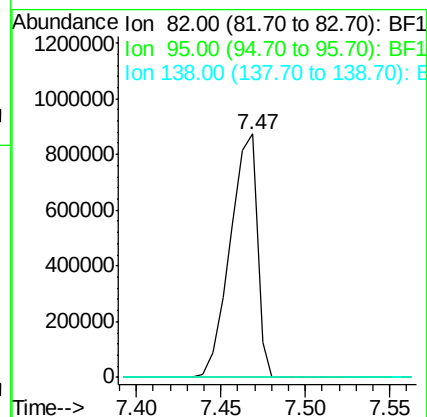
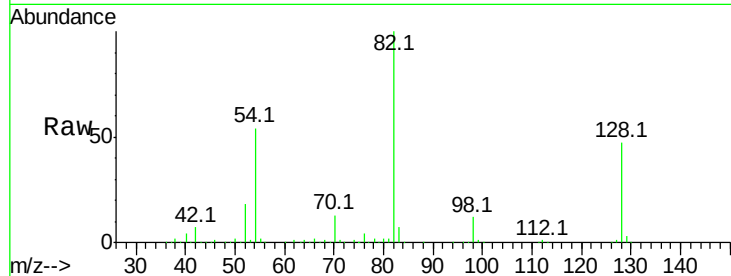
Tot Ion: 82 Resp: 966724

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

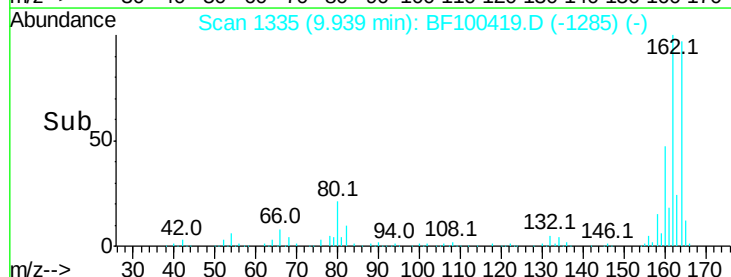
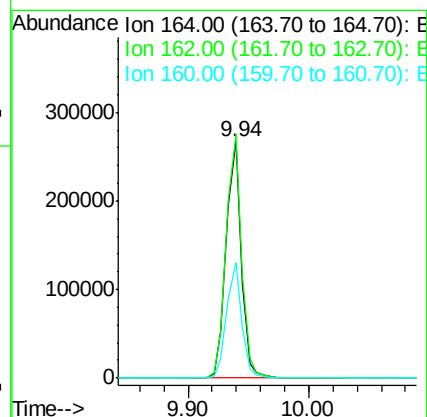
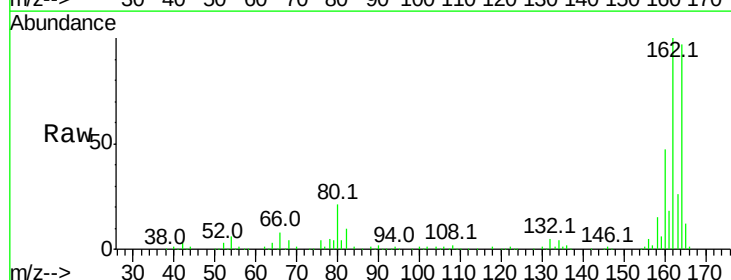
Tgt Ion: 164 Resp: 232836

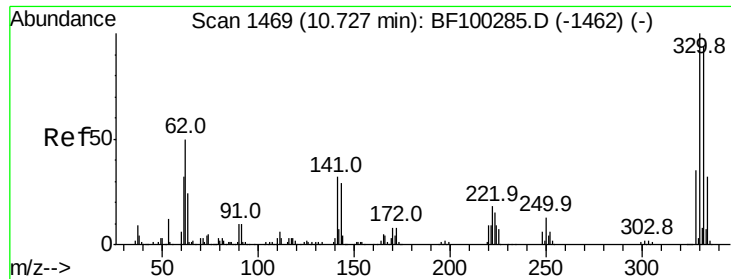
Ion Ratio Lower Upper

164 100

162 102.7 86.1 129.1

160 48.6 38.3 57.5

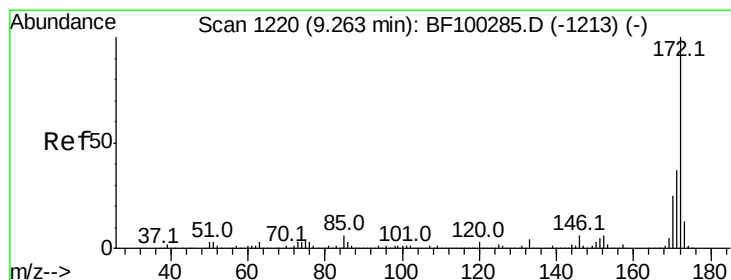
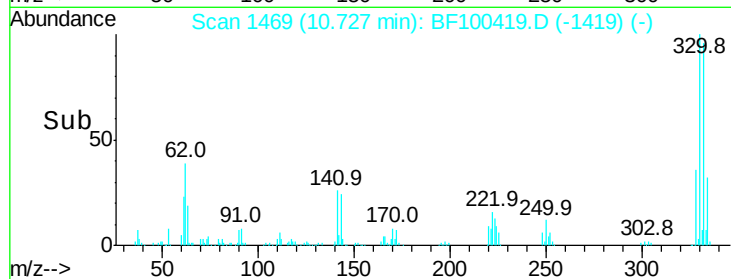
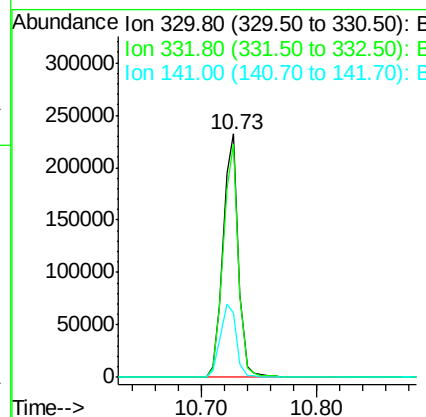
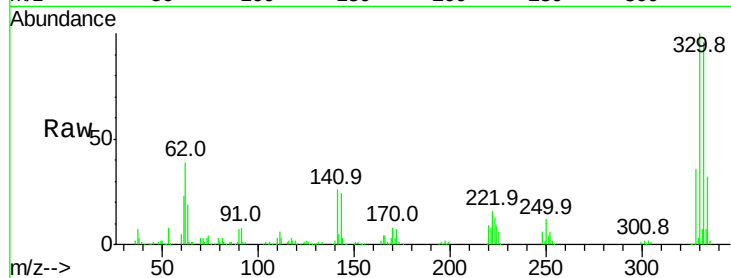




#41
 2,4,6-Tribromophenol
 Concen: 89.984 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

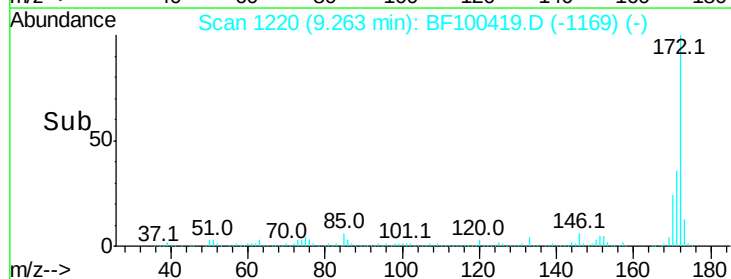
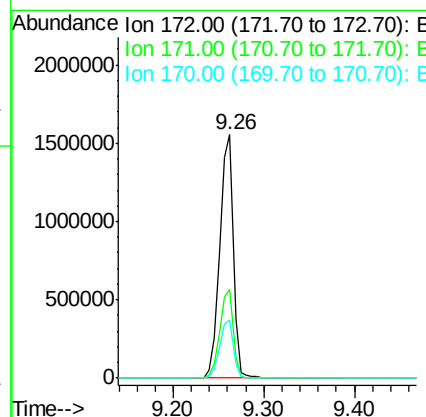
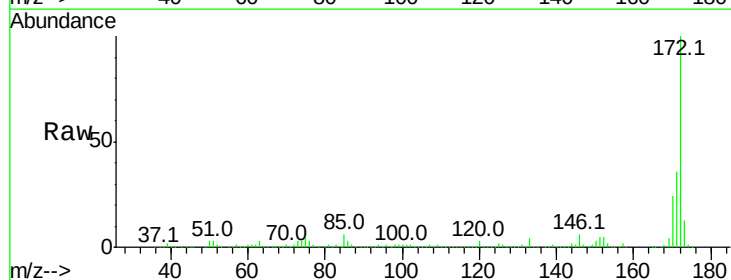
Instrument :
 BNA_F
 ClientSampleId :

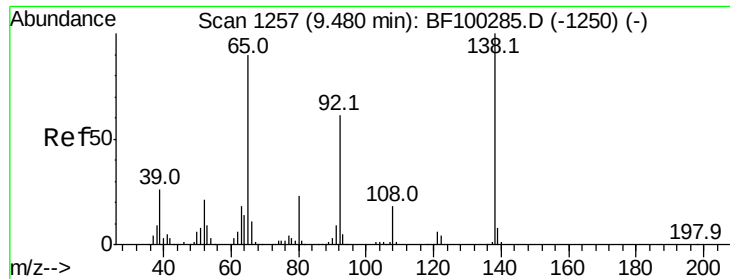
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	31.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 104.338 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.9	19.6	29.4





#47

2-Nitroaniline

Concen: 3.324 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.22 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

Instrument :

BNA_F

ClientSampleId :

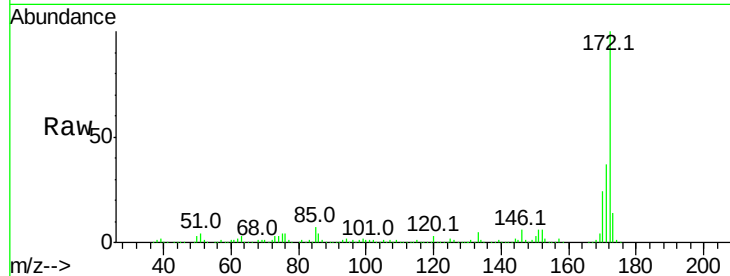
Tot Ion: 65 Resp: 2476

Ion Ratio Lower Upper

65 100

92 199.4 55.8 83.6#

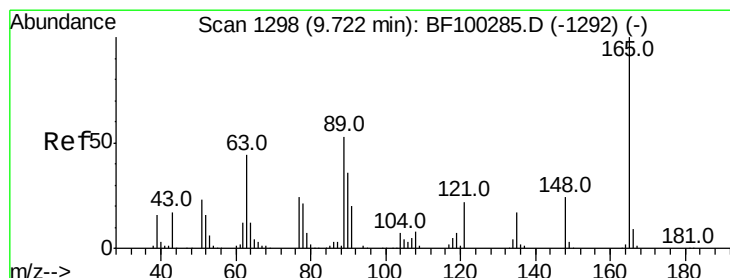
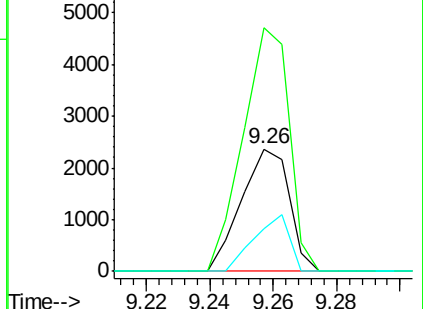
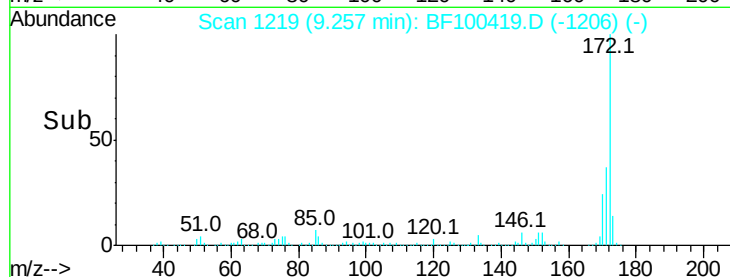
138 34.9 91.2 136.8#



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: 8.221 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

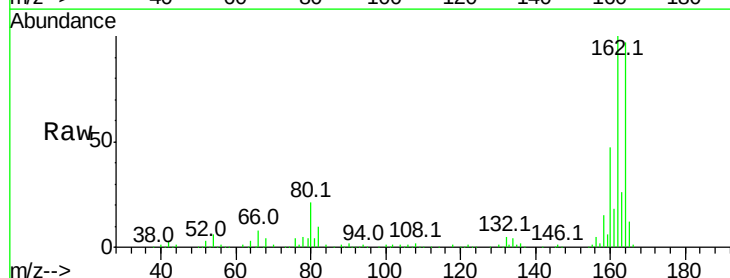
Tgt Ion:165 Resp: 28928

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

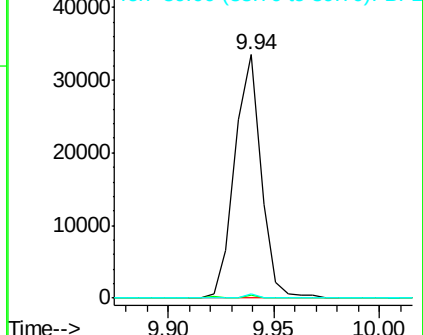
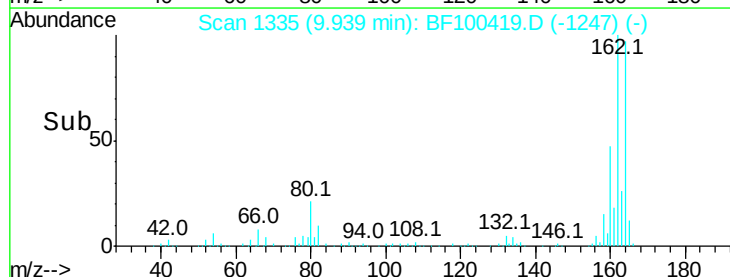
89 1.5 44.0 66.0#

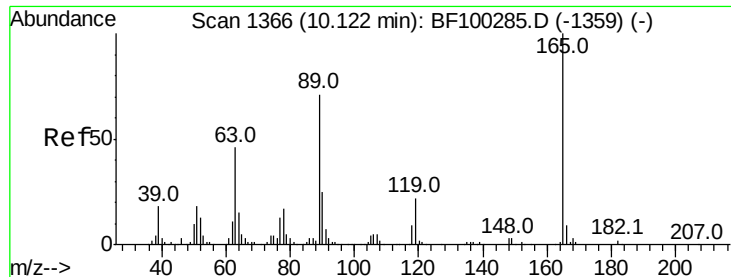


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

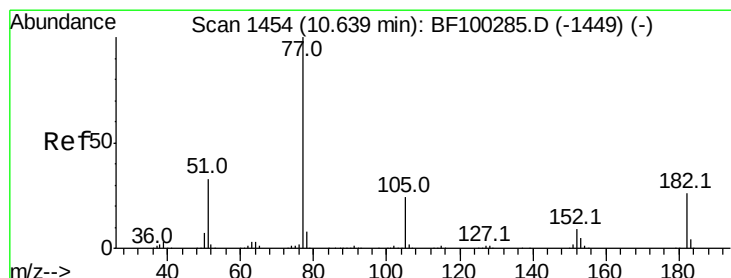
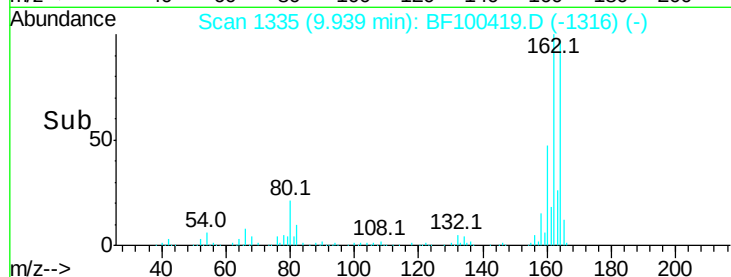
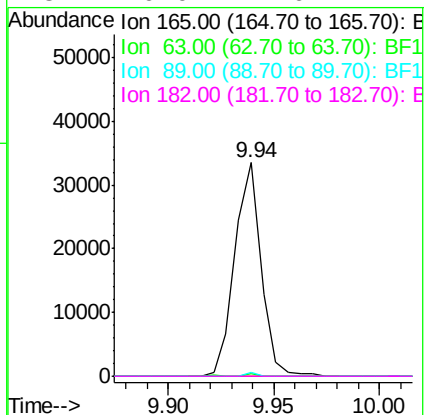
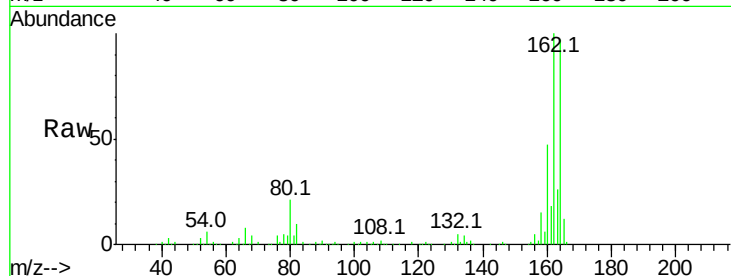




#56
 2,4-Dinitrotoluene
 Concen: 6.516 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

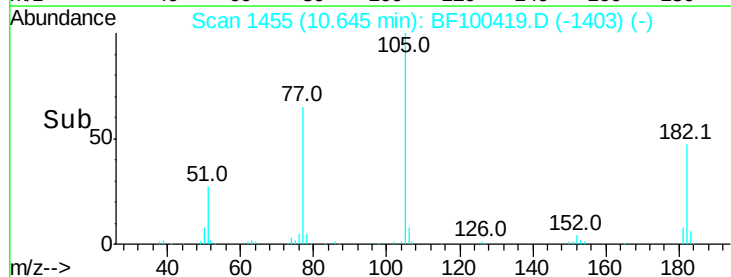
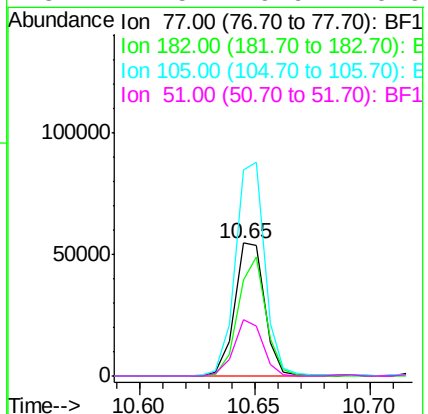
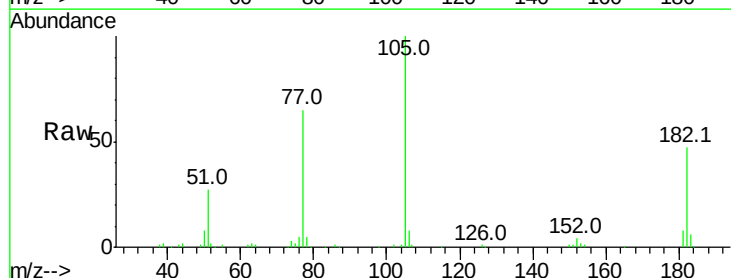
Instrument :
 BNA_F
 ClientSampled :

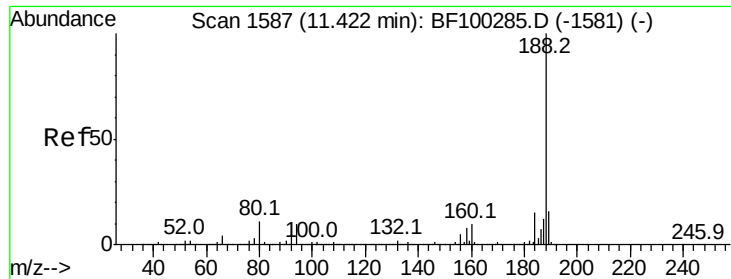
Tot Ion:	165	Resp:	28928
Ion Ratio	Lower	Upper	
165	100		
63	1.4	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 2.966 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

Tgt Ion:	77	Resp:	49694
Ion Ratio	Lower	Upper	
77	100		
182	72.8	1.7	41.7#
105	154.9	3.0	43.0#
51	42.5	9.9	49.9

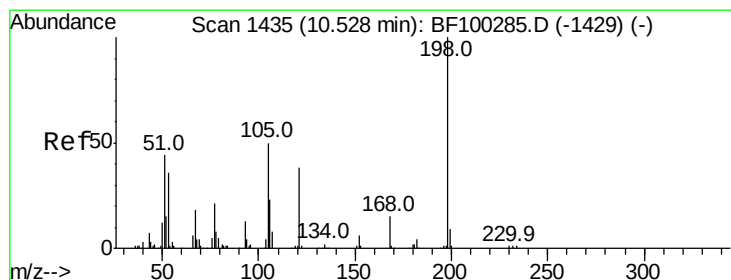
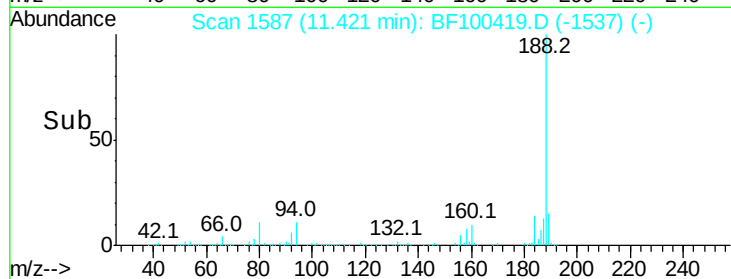
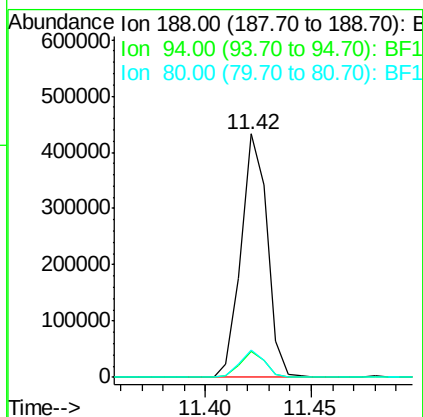
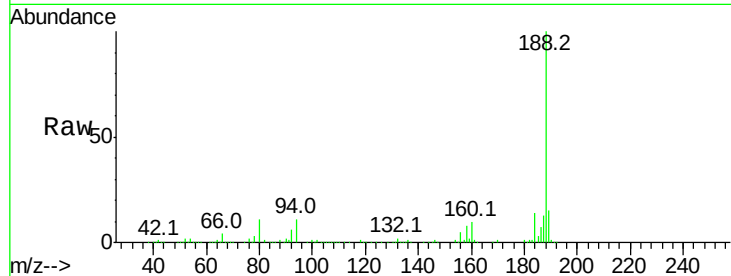




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

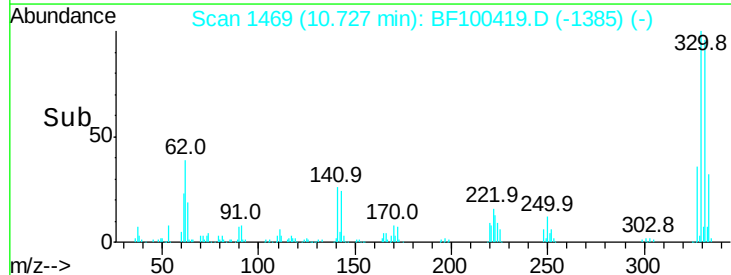
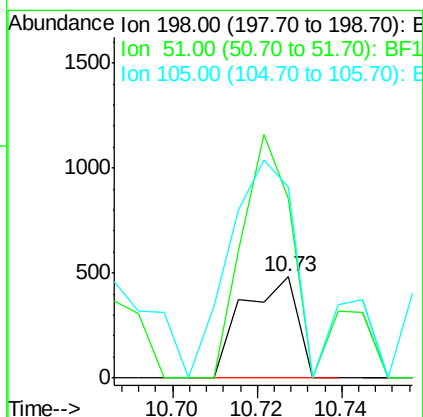
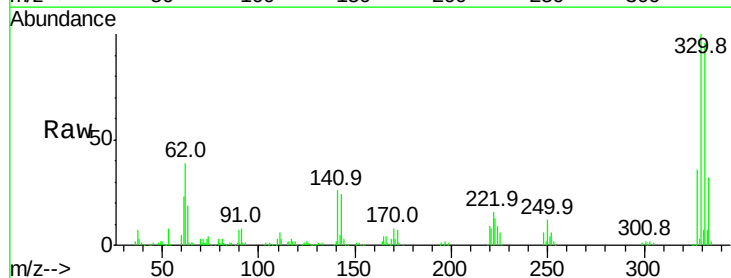
Instrument :
 BNA_F
 ClientSampleID :

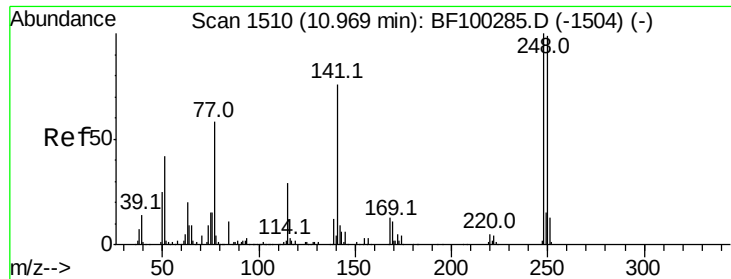
Tot Ion:188 Resp: 371086
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.759 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

Tgt Ion:198 Resp: 430
 Ion Ratio Lower Upper
 198 100
 51 177.3 37.7 77.7#
 105 189.6 36.3 76.3#

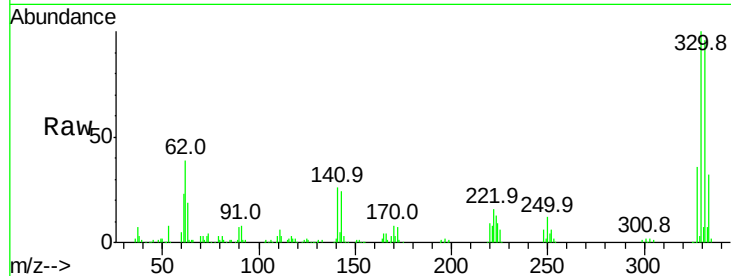




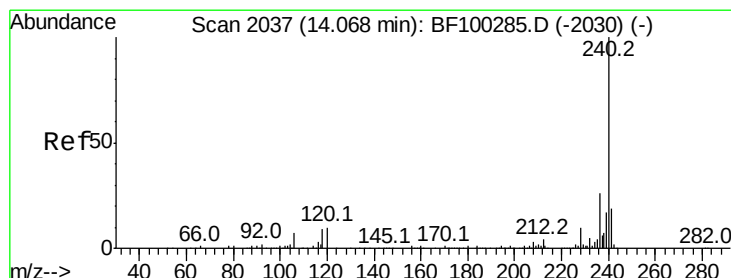
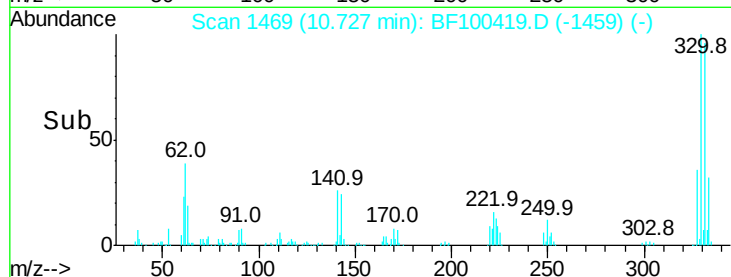
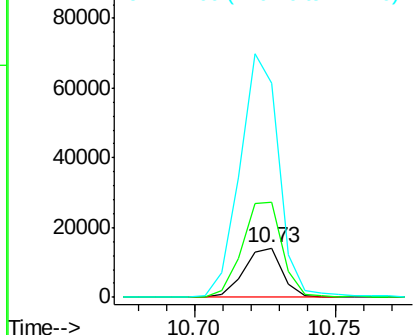
#66
 4-Bromophenyl-phenylether
 Concen: 3.329 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13241
 Ion Ratio Lower Upper
 248 100
 250 193.1 76.9 115.3#
 141 431.4 74.4 111.6#

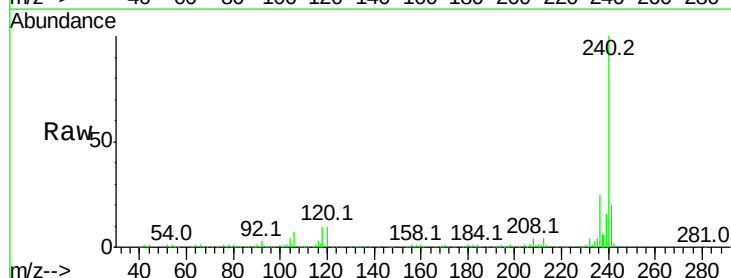


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

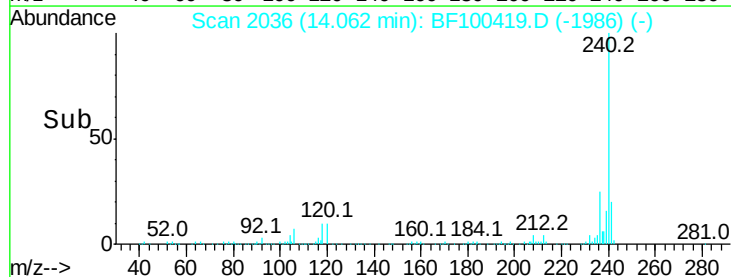
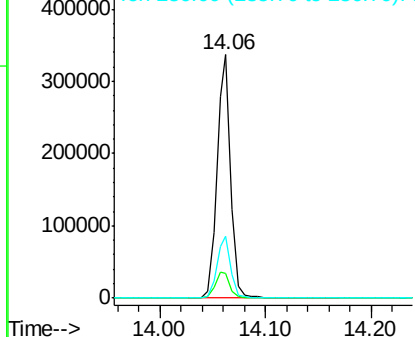


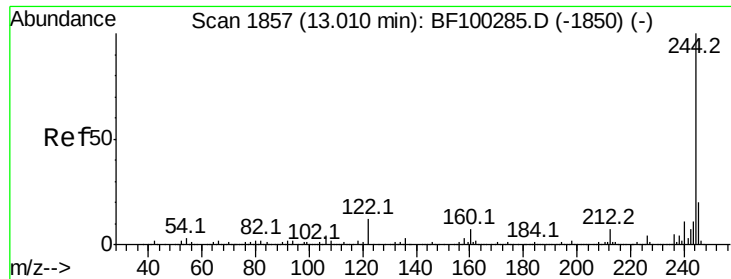
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100419.D
 Acq: 11 Nov 2017 4:22

Tgt Ion:240 Resp: 307586
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.5 14.3
 236 25.3 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: 86.390 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

Instrument :

BNA_F

ClientSampleId :

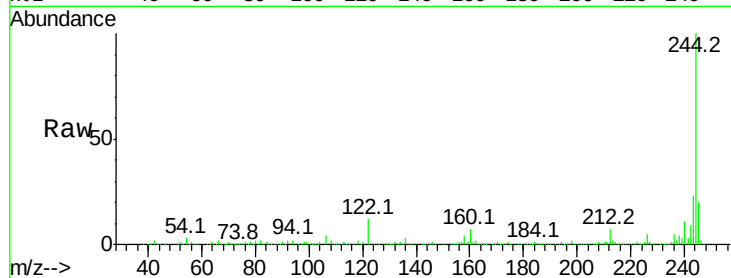
Tot Ion:244 Resp: 1156470

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

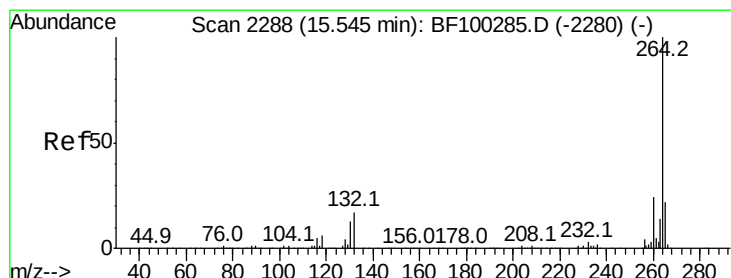
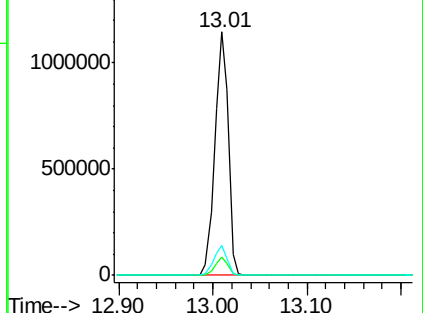
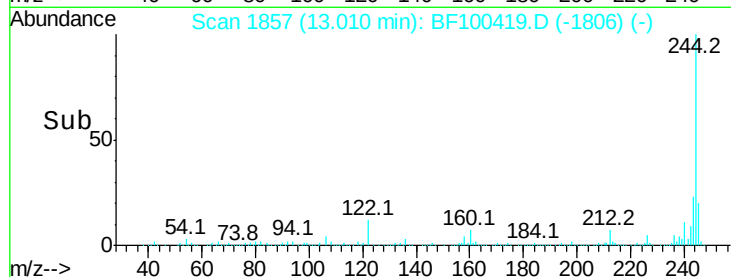
122 12.1 11.0 16.4



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: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BF100419.D

Acq: 11 Nov 2017 4:22

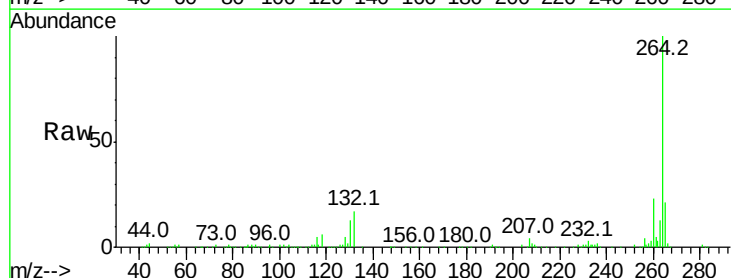
Tgt Ion:264 Resp: 231458

Ion Ratio Lower Upper

264 100

260 23.2 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

