

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100360.D
 Acq On : 10 Nov 2017 00:11
 Operator : SJ/JU
 Sample : I6388-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 03:20:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	194931	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	745276	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	325479	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	534551	20.00	ng	0.00
75) Chrysene-d12	14.06	240	376312	20.00	ng	0.00
86) Perylene-d12	15.54	264	389585	20.00	ng	0.00

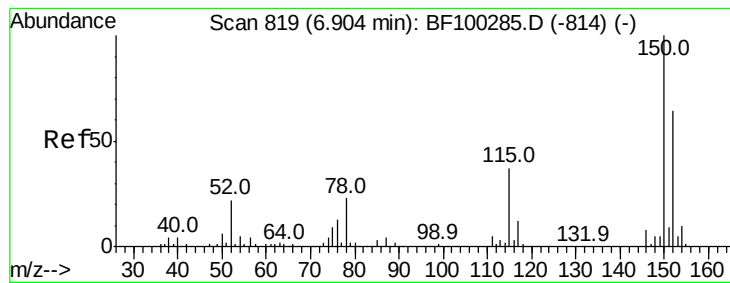
System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1061489	87.29	ng	0.02
7) Phenol-d6	6.53	99	1322629	88.20	ng	0.00
23) Nitrobenzene-d5	7.46	82	831650	73.78	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	248704	74.99	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1188581	55.61	ng	0.00
78) Terphenyl-d14	13.00	244	666855	40.72	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.67	77	23235	2.170	ng	81
10) Phenol	6.54	94	65089	4.135	ng	92
19) n-Nitroso-di-n-propylamine	7.46	70	108404	10.424	ng	# 84
25) Isophorone	7.46	82	831449	35.099	ng	# 64
47) 2-Nitroaniline	9.65	65	2553	3.182	ng	# 1
49) Dimethylphthalate	9.65	163	267239	10.754	ng	100
56) 2,4-Dinitrotoluene	9.94	165	41074	6.619	ng	# 23
62) Azobenzene	10.65	77	230314	9.833	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	386	8.687	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	16479	2.876	ng	# 1

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

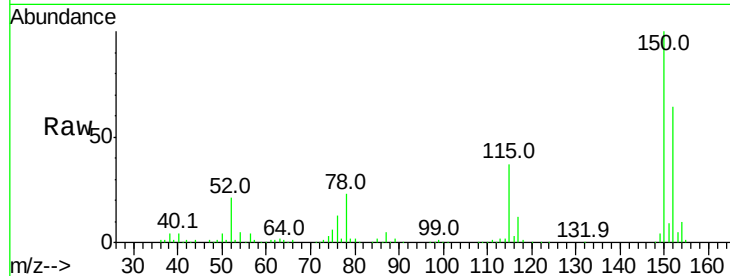


#1

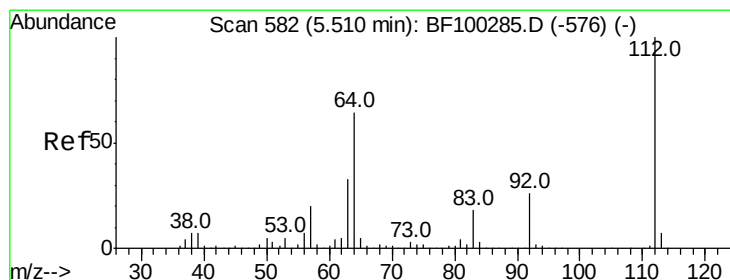
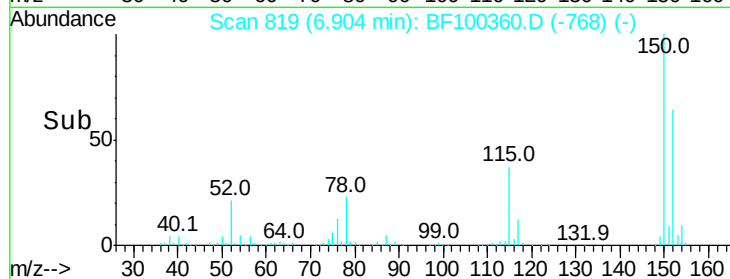
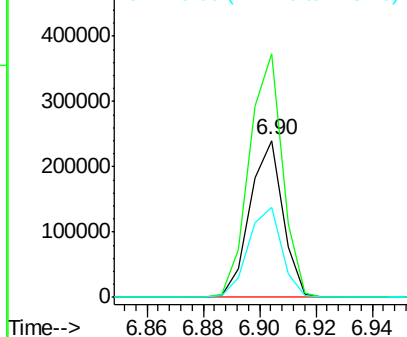
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 194931
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 57.2 50.1 75.1



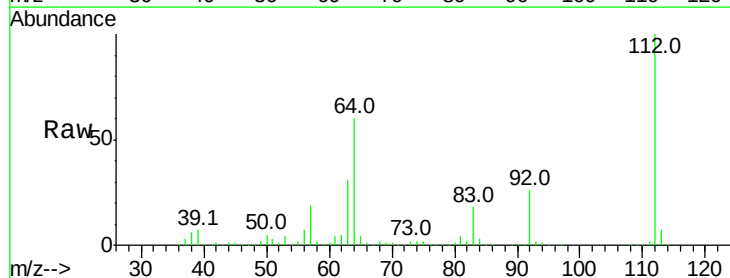
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



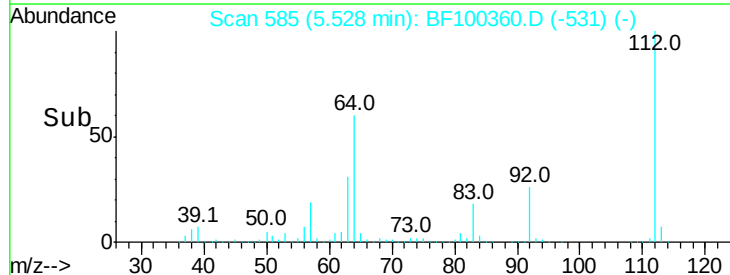
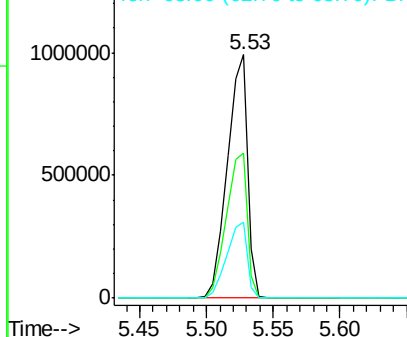
#5

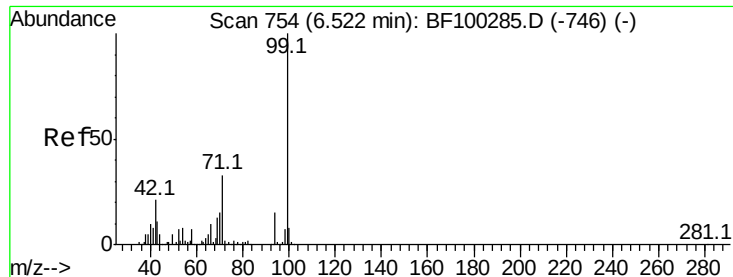
2-Fluorophenol
Concen: 87.290 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.02 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Tgt Ion:112 Resp: 1061489
Ion Ratio Lower Upper
112 100
64 59.8 47.9 71.9
63 31.1 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: 88.202 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

Instrument :

BNA_F

ClientSampleId :

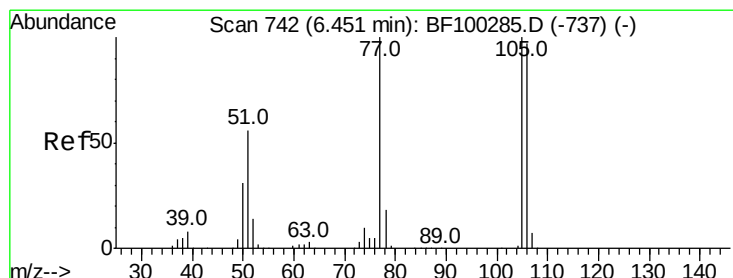
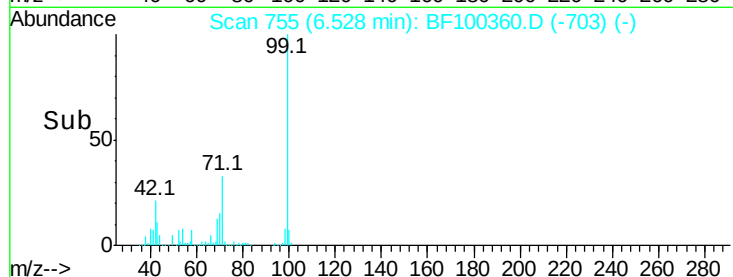
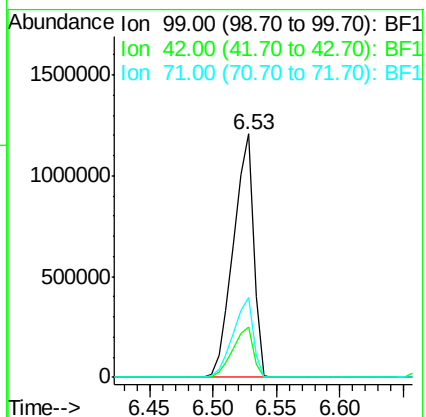
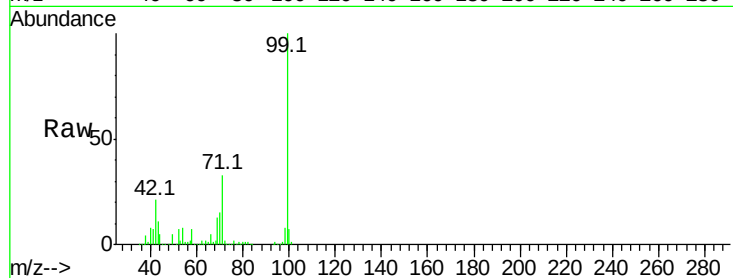
Tot Ion: 99 Resp: 1322629

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 32.8 25.4 38.0



#9

Benzaldehyde

Concen: 2.170 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.22 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

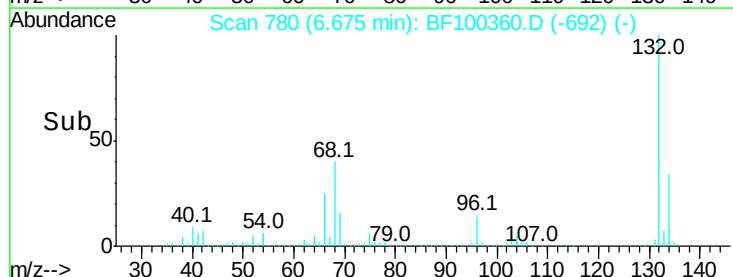
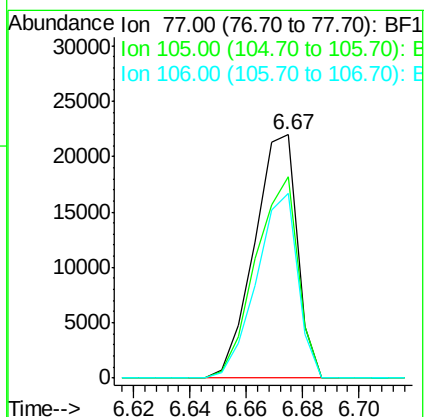
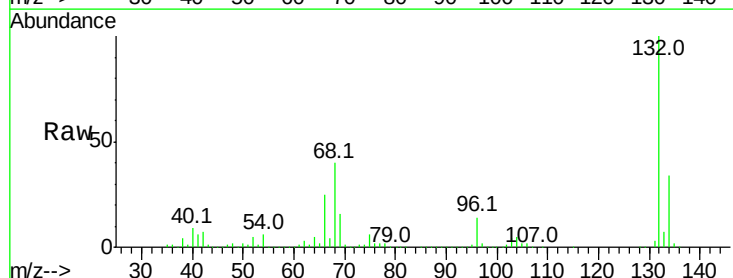
Tgt Ion: 77 Resp: 23235

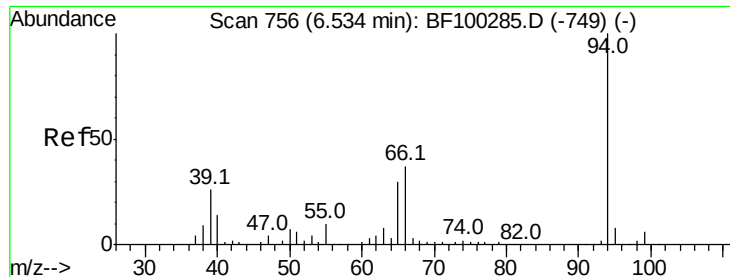
Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

106 75.7 74.5 114.5





#10

Phenol

Concen: 4.135 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.00 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

Instrument :

BNA_F

ClientSampled :

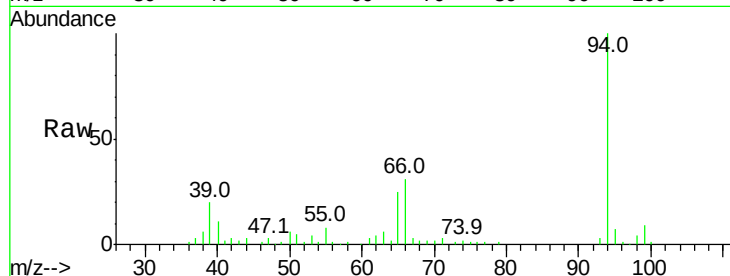
Tot Ion: 94 Resp: 65089

Ion Ratio Lower Upper

94 100

65 24.8 7.9 47.9

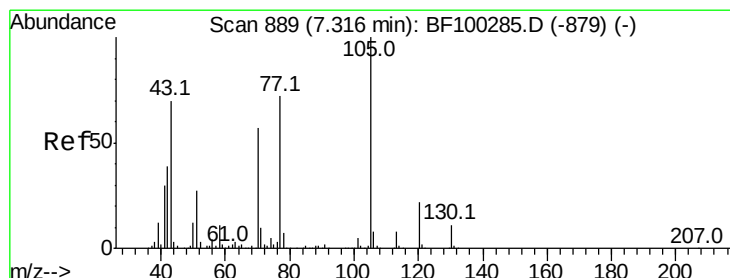
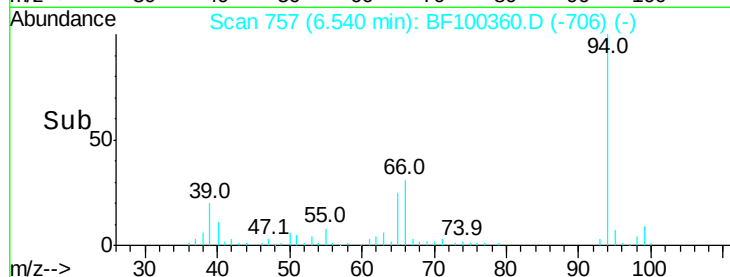
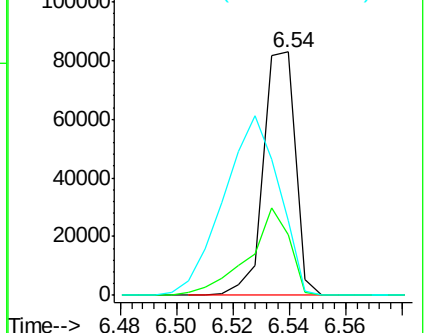
66 30.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.424 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

Tgt Ion: 70 Resp: 108404

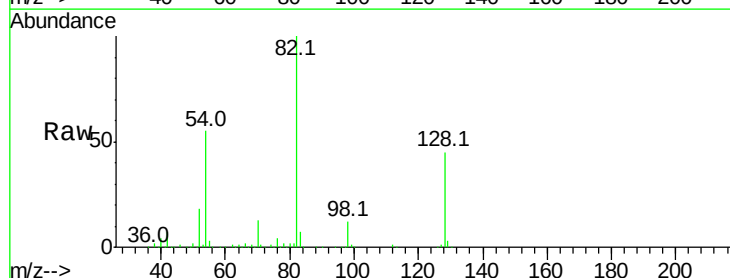
Ion Ratio Lower Upper

70 100

42 54.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

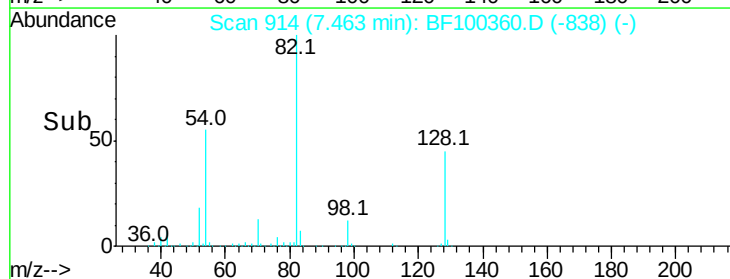
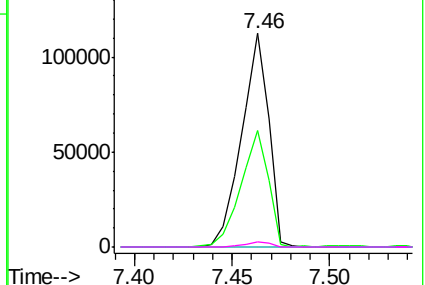


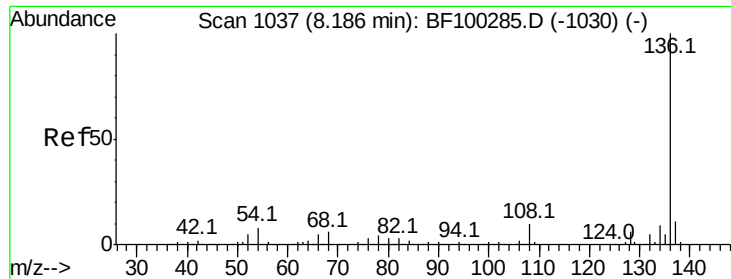
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

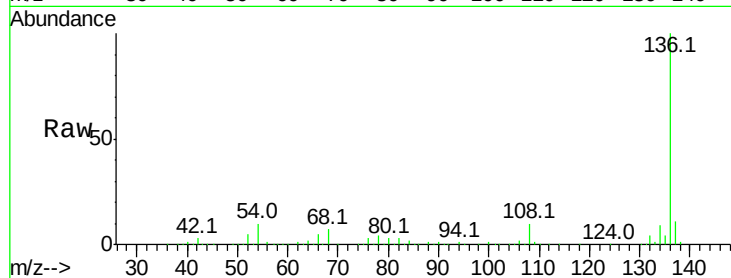




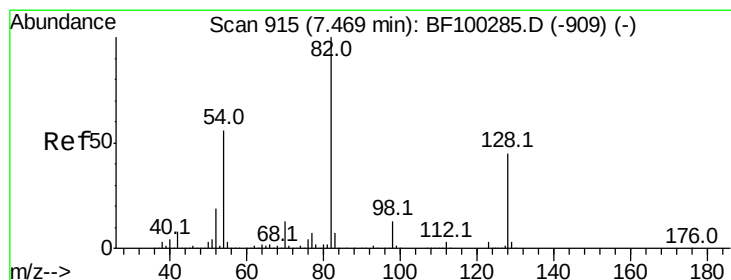
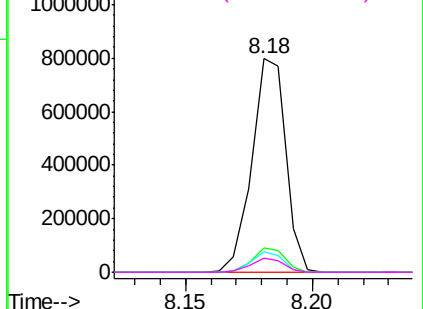
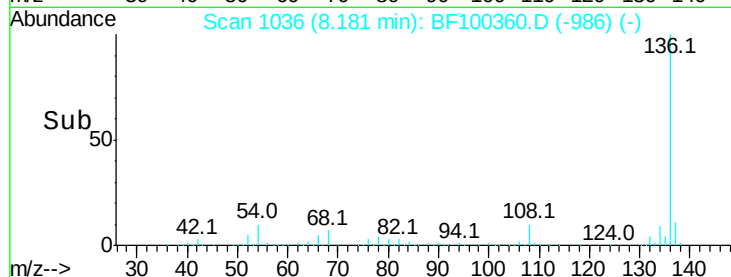
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	745276
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.9	13.3
54 9.7	6.6	9.8
68 6.9	5.0	7.4

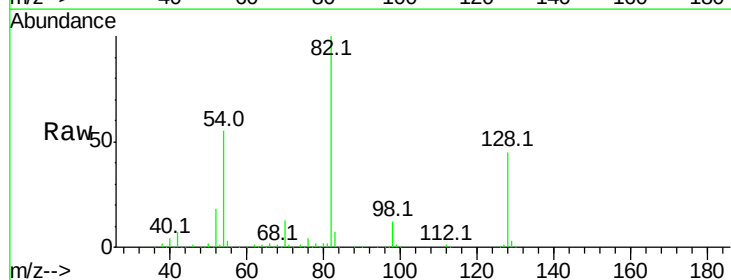


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

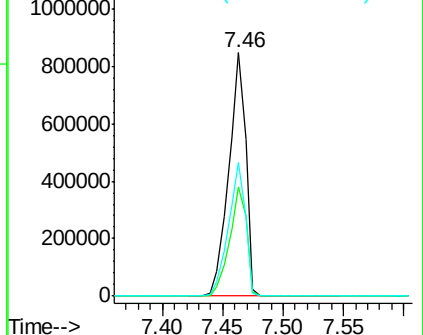
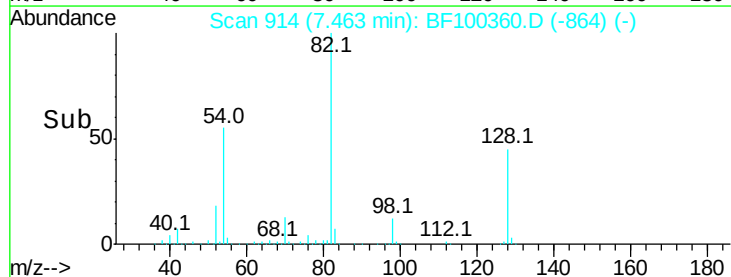


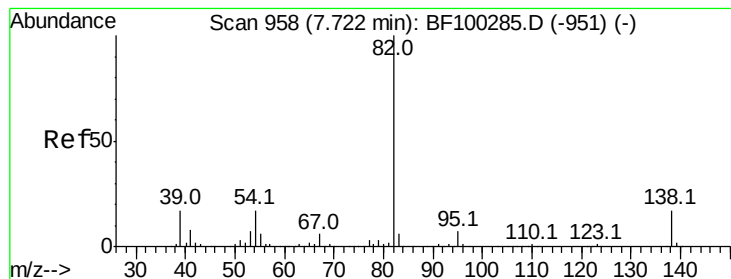
#23
Nitrobenzene-d5
Concen: 73.776 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Tgt Ion: 82	Resp: 831650
Ion Ratio	Lower Upper
82 100	
128 44.7	36.1 54.1
54 54.6	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: 35.099 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

Instrument :

BNA_F

ClientSampled :

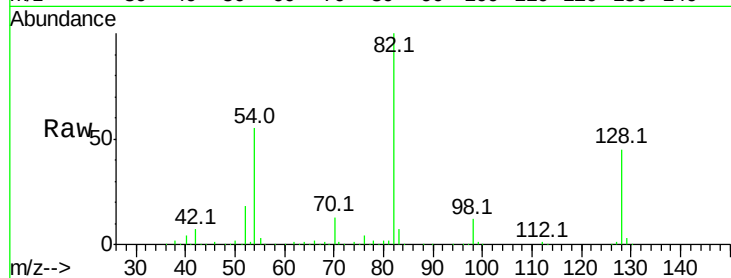
Tot Ion: 82 Resp: 831449

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

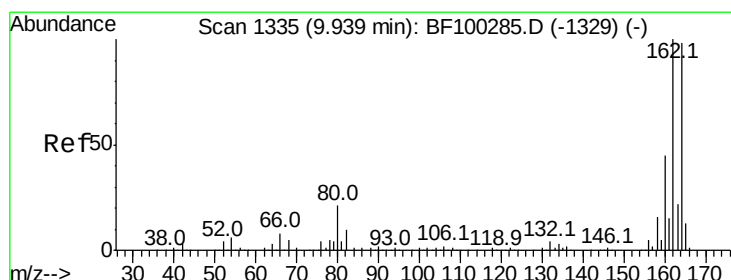
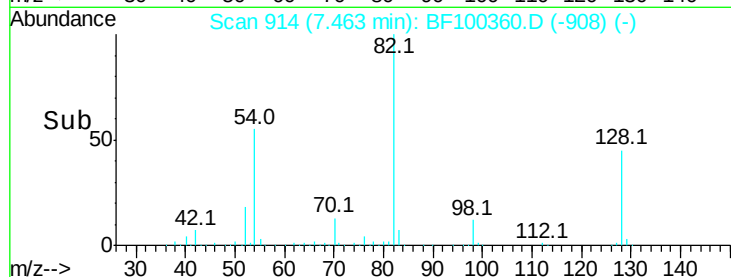
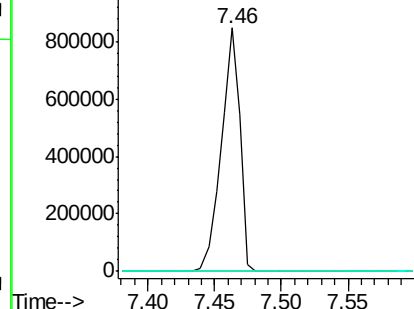
138 0.0 14.9 22.3#



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: 9.94 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

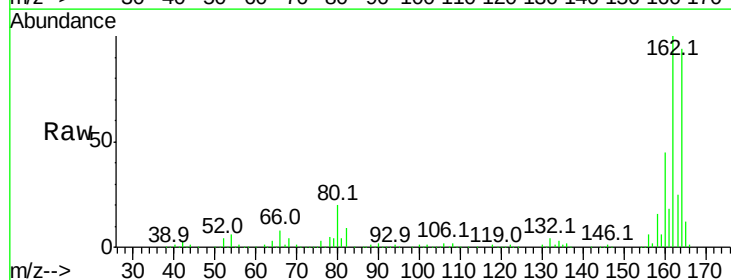
Tgt Ion:164 Resp: 325479

Ion Ratio Lower Upper

164 100

162 106.0 86.1 129.1

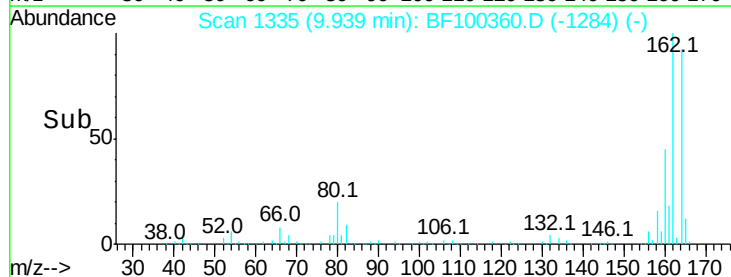
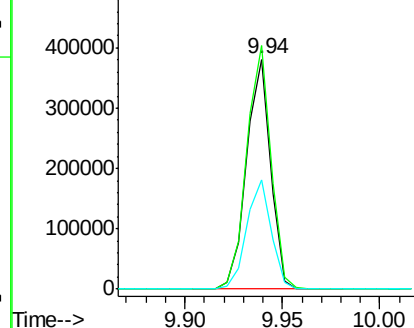
160 47.7 38.3 57.5

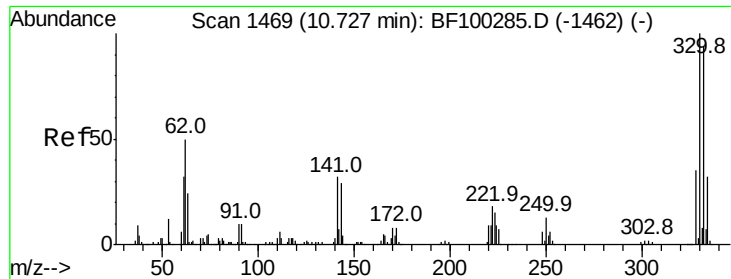


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

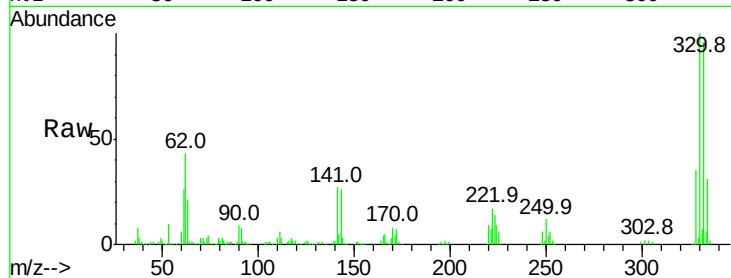




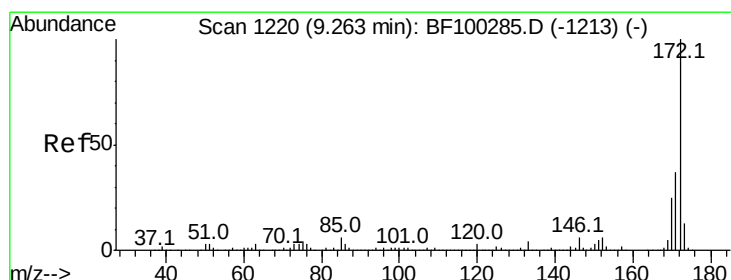
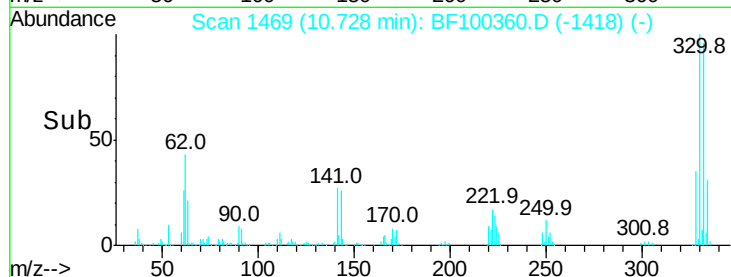
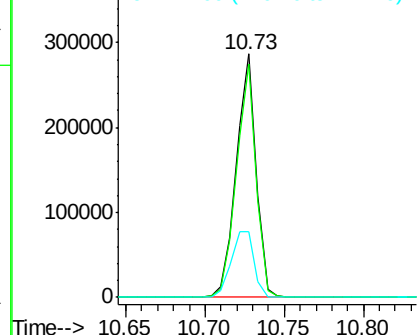
#41
 2,4,6-Tribromophenol
 Concen: 74.987 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100360.D
 Acq: 10 Nov 2017 00:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	31.4	29.9	44.9

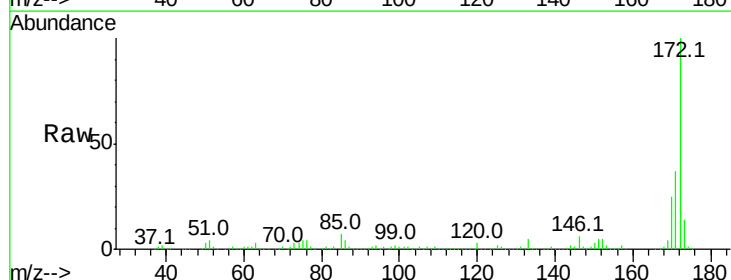


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

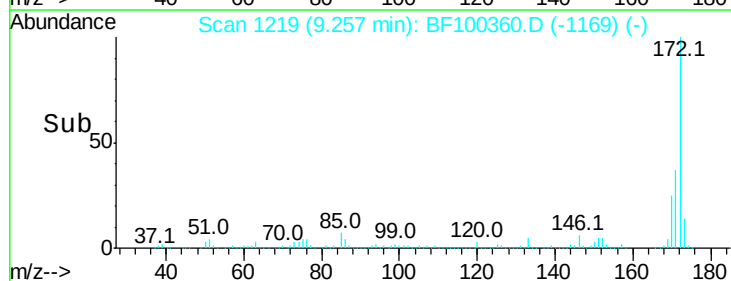
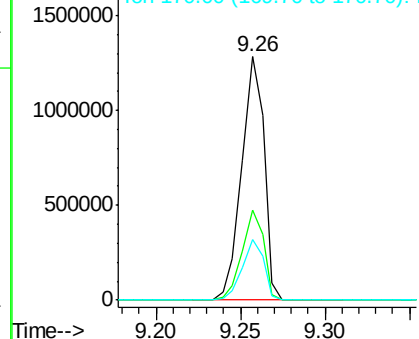


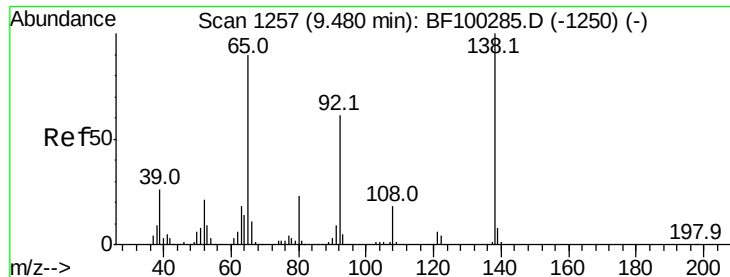
#44
 2-Fluorobiphenyl
 Concen: 55.606 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100360.D
 Acq: 10 Nov 2017 00:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.0	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: 3.182 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.16 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

Instrument :

BNA_F

ClientSampleId :

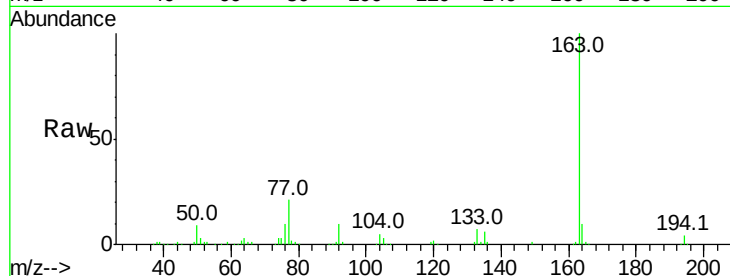
Tot Ion: 65 Resp: 2553

Ion Ratio Lower Upper

65 100

92 972.2 55.8 83.6#

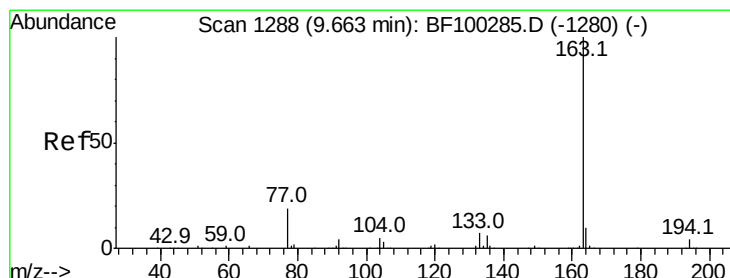
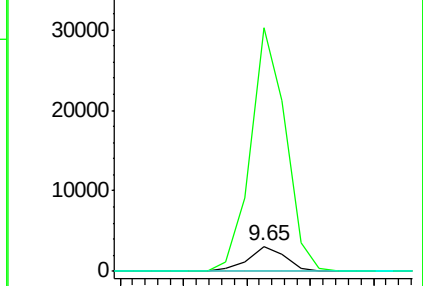
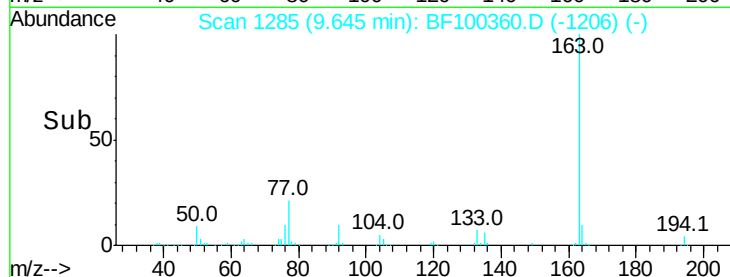
138 0.0 91.2 136.8#



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



#49

Dimethylphthalate

Concen: 10.754 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

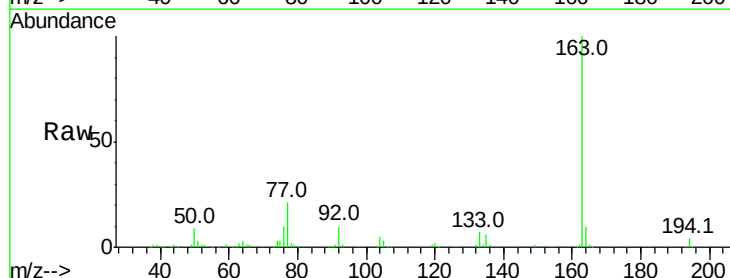
Tgt Ion:163 Resp: 267239

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

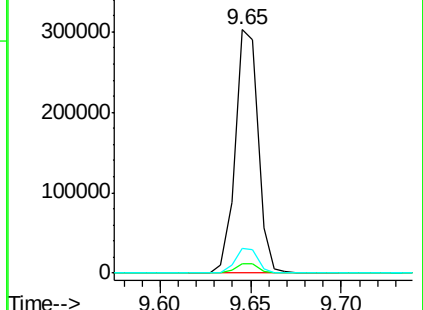
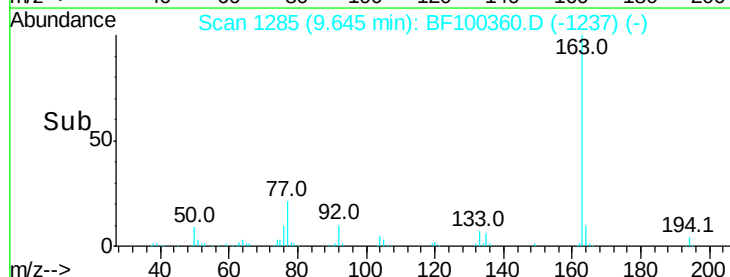
164 10.3 8.2 12.2

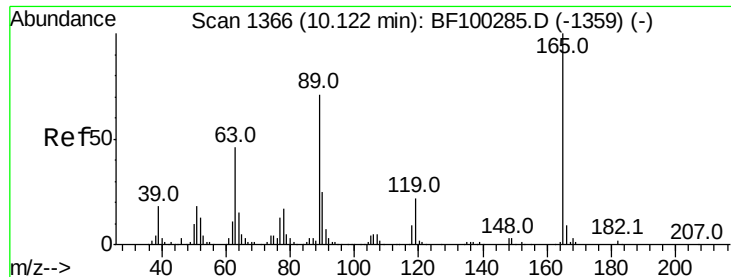


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

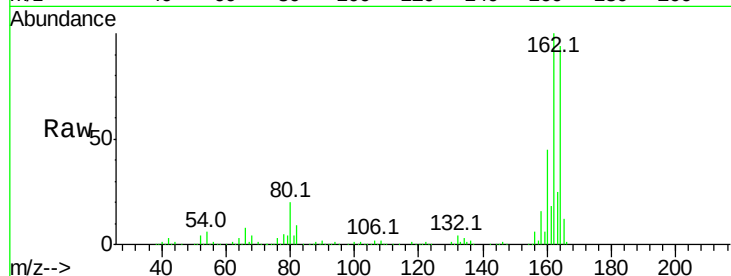




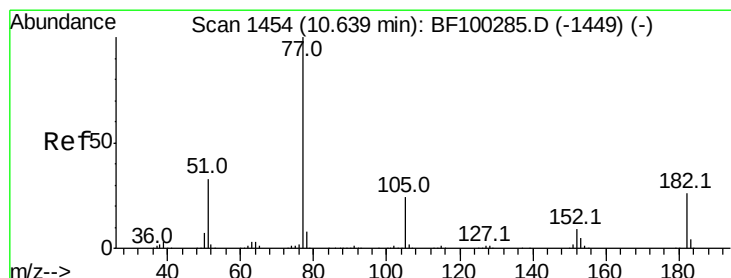
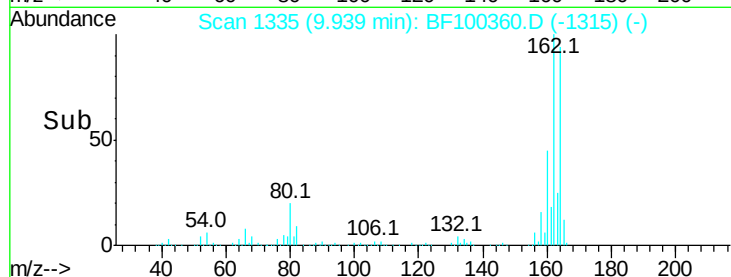
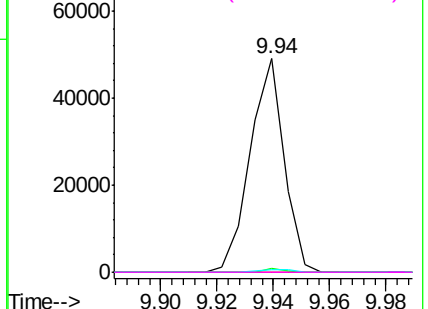
#56
2,4-Dinitrotoluene
Concen: 6.619 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.18 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 41074
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#

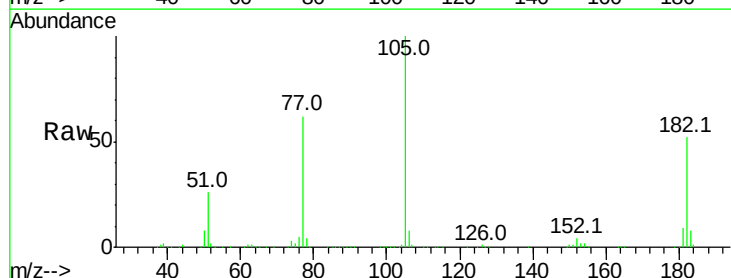


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

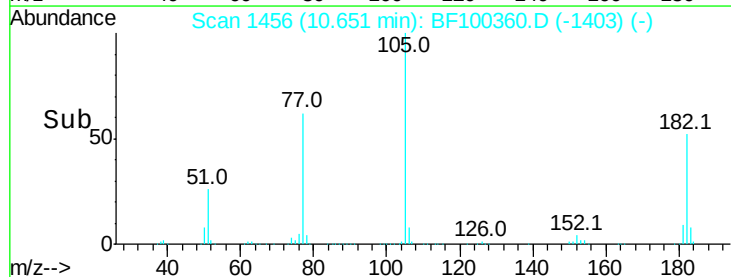
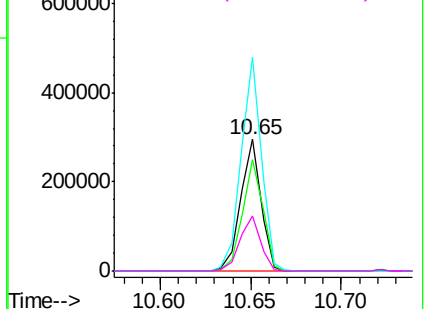


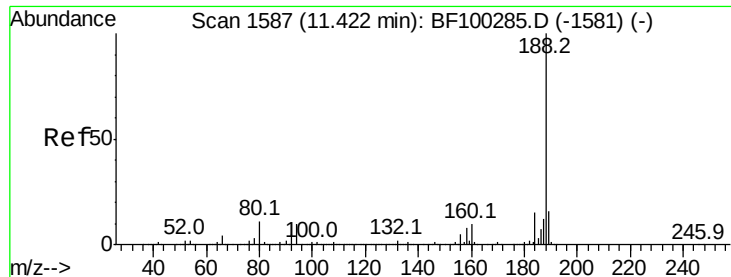
#62
Azobenzene
Concen: 9.833 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.01 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Tgt Ion: 77 Resp: 230314
Ion Ratio Lower Upper
77 100
182 84.7 1.7 41.7#
105 162.2 3.0 43.0#
51 42.2 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

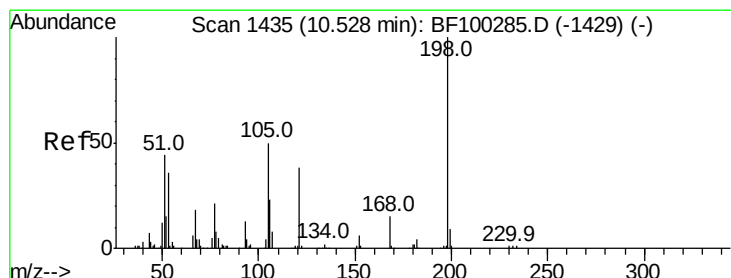
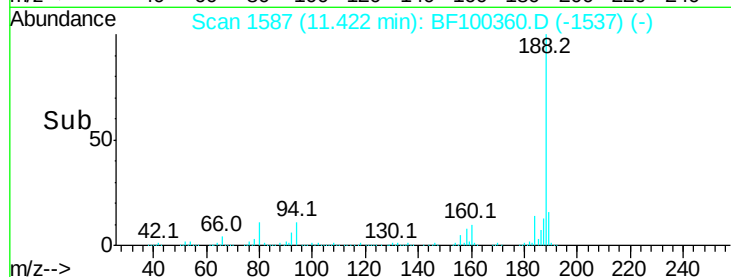
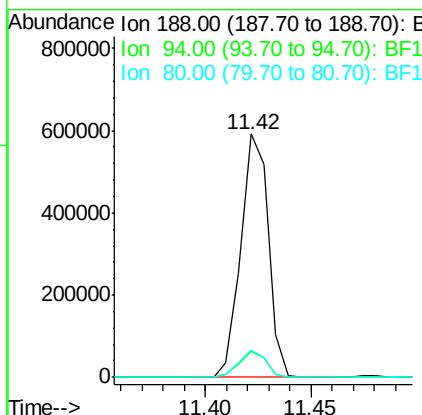
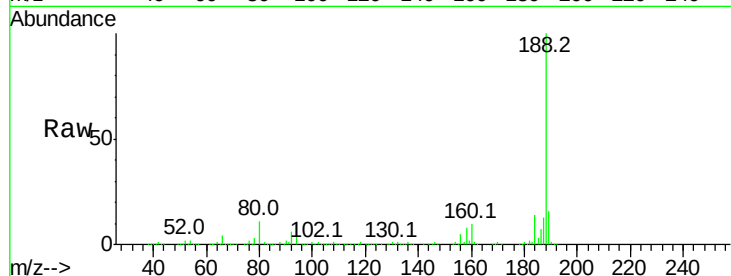




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

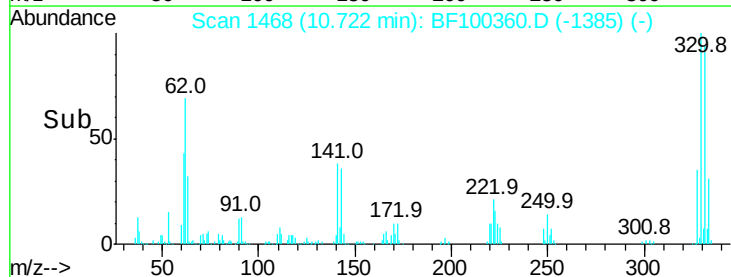
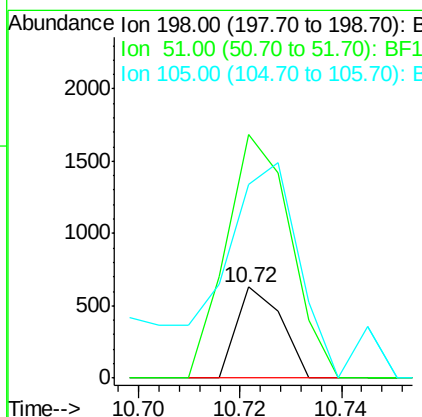
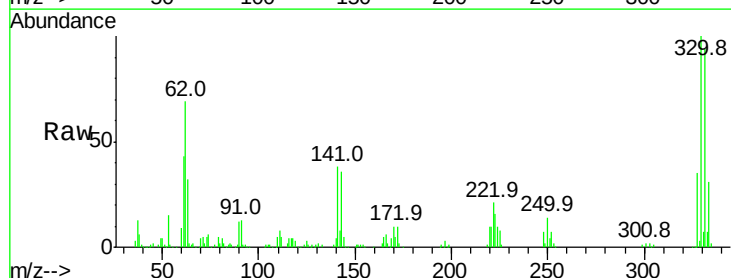
Instrument :
BNA_F
ClientSampled :

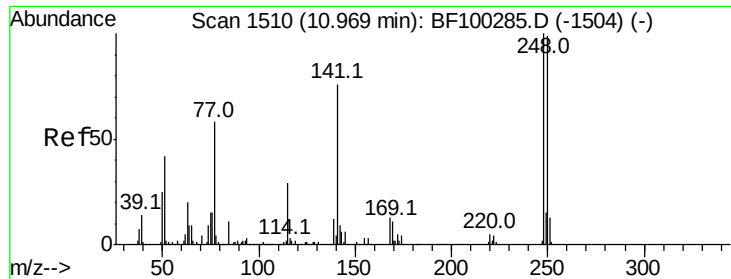
Tot Ion:188 Resp: 534551
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.687 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Tgt Ion:198 Resp: 386
Ion Ratio Lower Upper
198 100
51 268.6 37.7 77.7#
105 214.4 36.3 76.3#

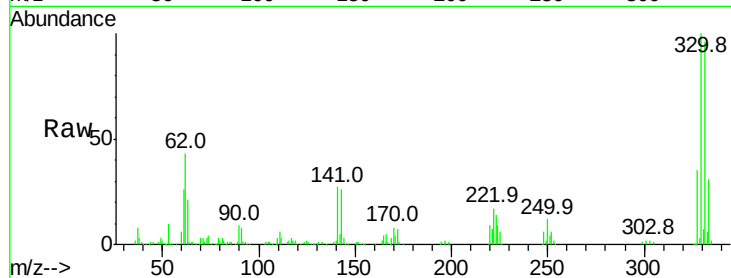




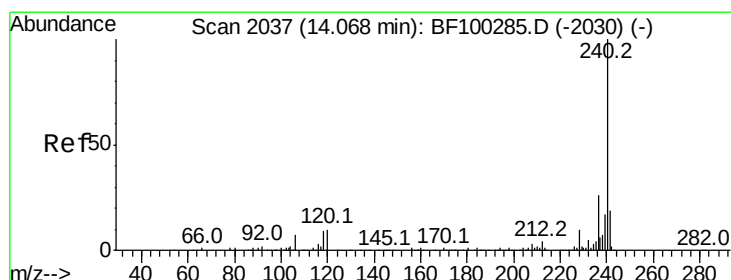
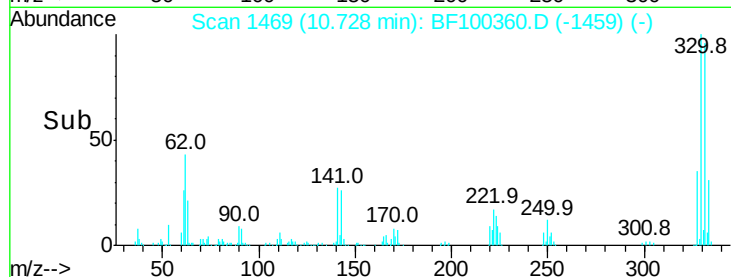
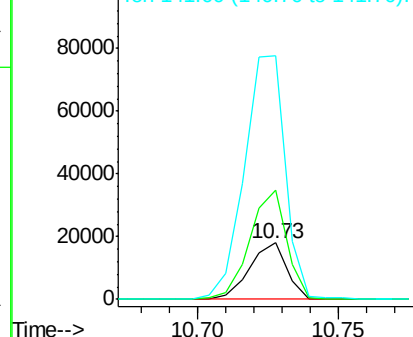
#66
4-Bromophenyl-phenylether
Concen: 2.876 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16479
Ion Ratio Lower Upper
248 100
250 192.1 76.9 115.3#
141 430.4 74.4 111.6#

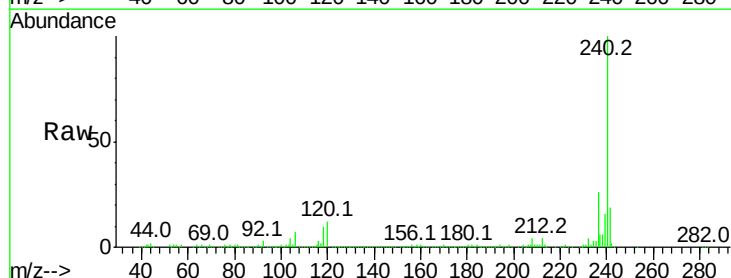


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

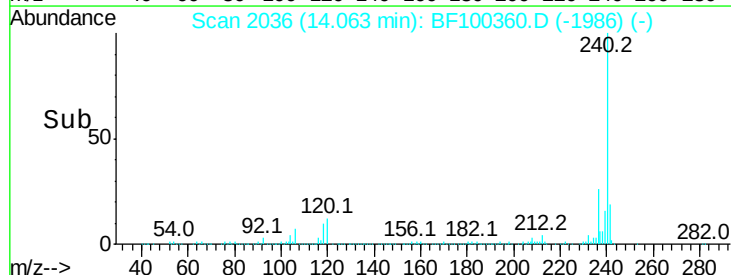
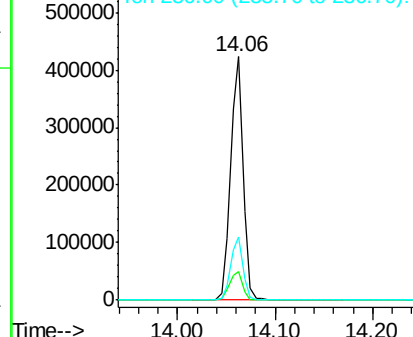


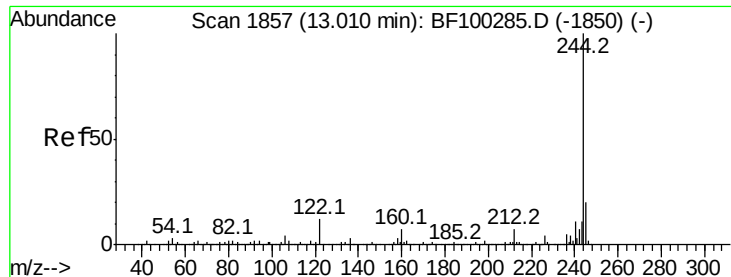
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100360.D
Acq: 10 Nov 2017 00:11

Tgt Ion:240 Resp: 376312
Ion Ratio Lower Upper
240 100
120 11.5 9.5 14.3
236 26.1 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: 40.717 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

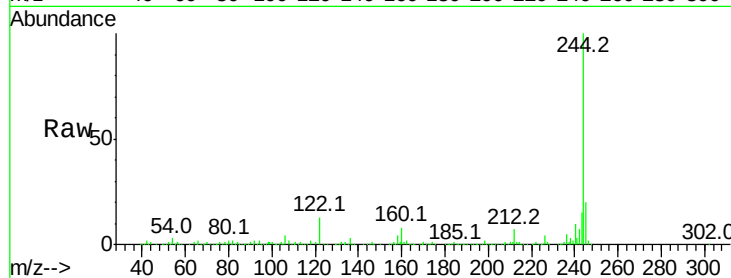
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 666855

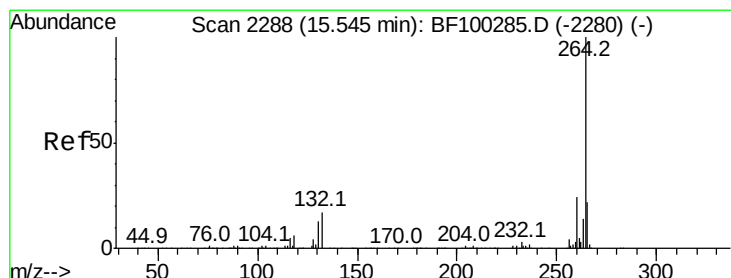
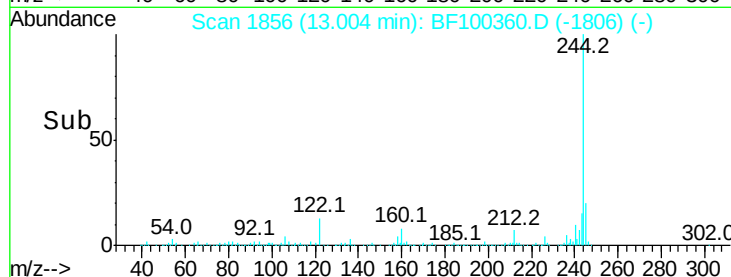
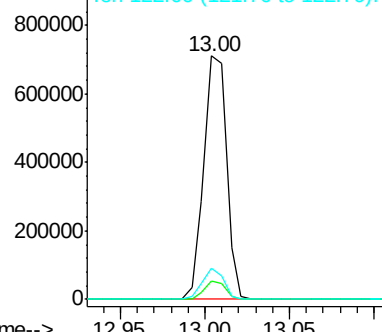
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	12.8	11.0	16.4



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

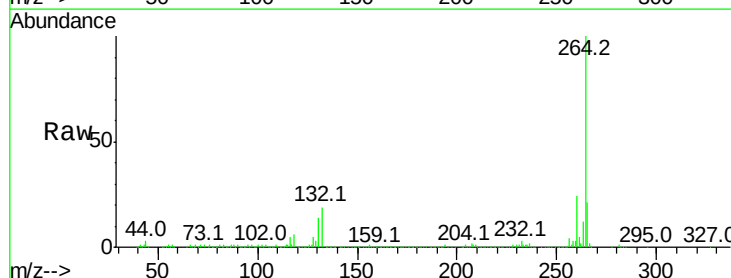
Delta R.T. 0.00 min

Lab File: BF100360.D

Acq: 10 Nov 2017 00:11

Tgt Ion:264 Resp: 389585

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	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

