

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100366.D
 Acq On : 10 Nov 2017 2:54
 Operator : SJ/JU
 Sample : I6346-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 03:24:31 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

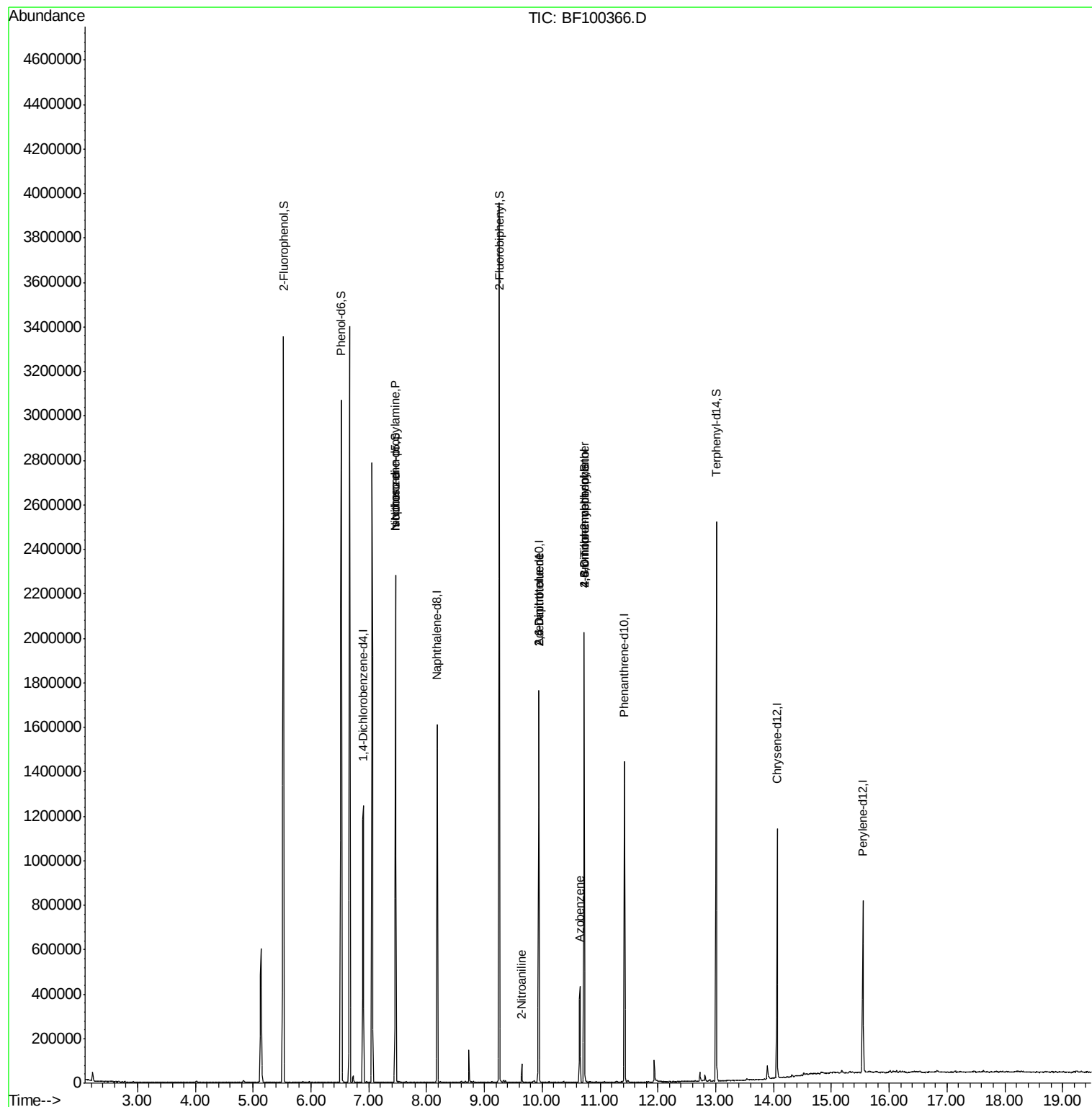
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	187499	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	730862	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	321322	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	526964	20.00	ng	0.00
75) Chrysene-d12	14.06	240	361101	20.00	ng	0.00
86) Perylene-d12	15.54	264	368551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	964202	82.43	ng	0.01
7) Phenol-d6	6.52	99	1191498	82.61	ng	0.00
23) Nitrobenzene-d5	7.46	82	729081	65.95	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	258164	78.85	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1235267	58.54	ng	0.00
78) Terphenyl-d14	13.01	244	818882	52.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	95671	9.564	ng	# 81
25) Isophorone	7.46	82	728972	31.380	ng	# 64
47) 2-Nitroaniline	9.65	65	162	2.810	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	40514	8.343	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	40514	6.613	ng	# 23
62) Azobenzene	10.65	77	71849	3.107	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.73	198	376	8.686	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	16088	2.848	ng	# 1

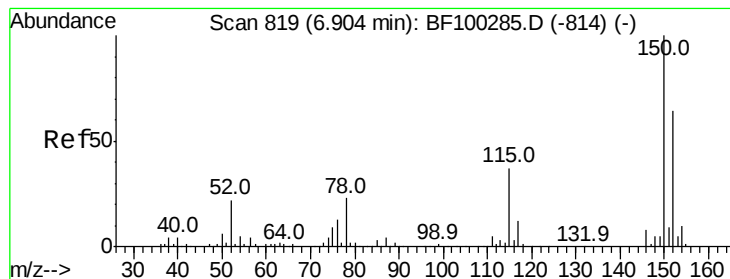
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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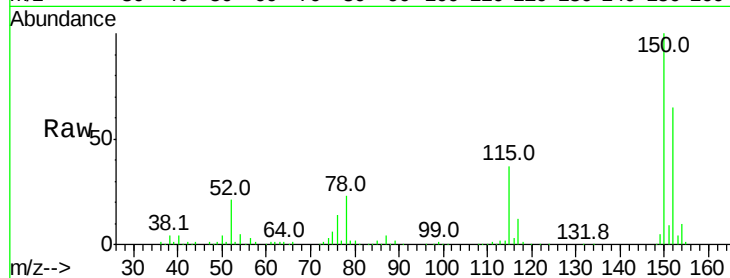


#1

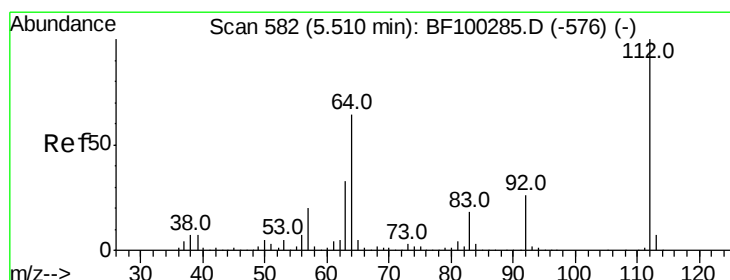
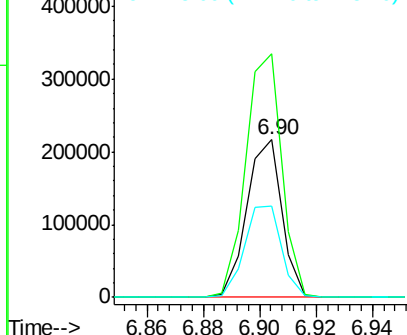
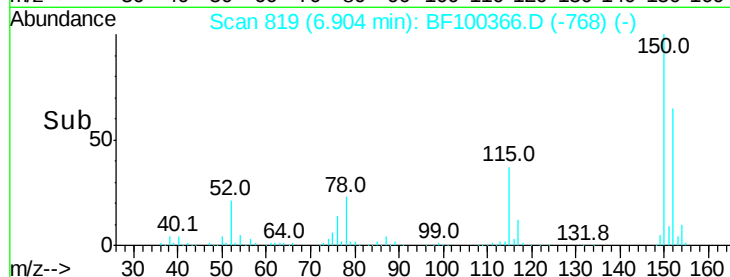
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100366.D
Acq: 10 Nov 2017 2:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 187499
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 57.8 50.1 75.1



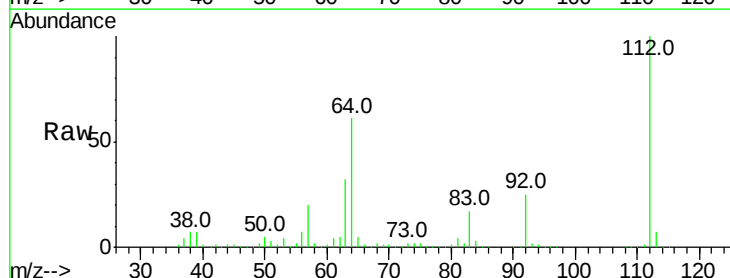
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



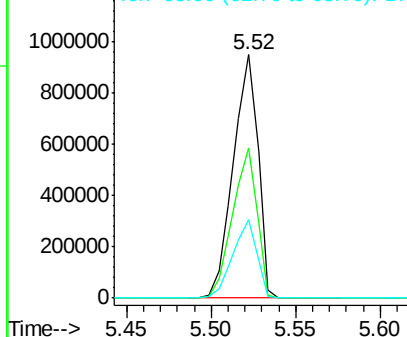
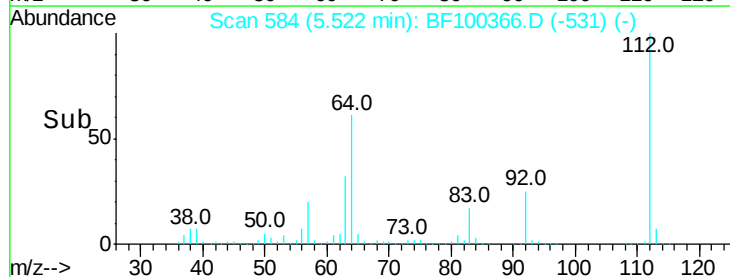
#5

2-Fluorophenol
Concen: 82.433 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100366.D
Acq: 10 Nov 2017 2:54

Tgt Ion:112 Resp: 964202
Ion Ratio Lower Upper
112 100
64 61.4 47.9 71.9
63 32.2 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: 82.607 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

Instrument :

BNA_F

ClientSampleId :

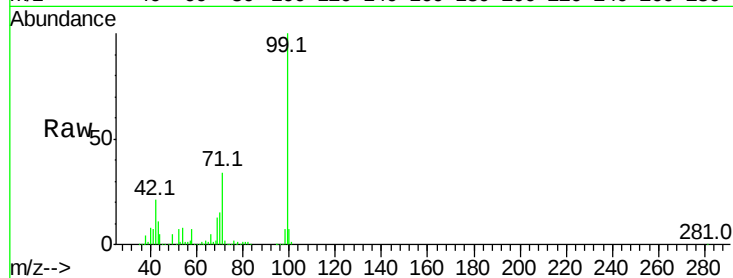
Tot Ion: 99 Resp: 1191498

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

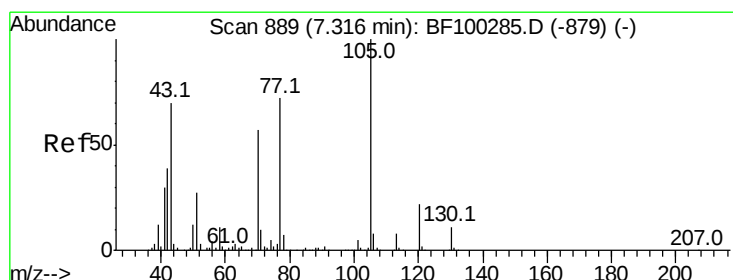
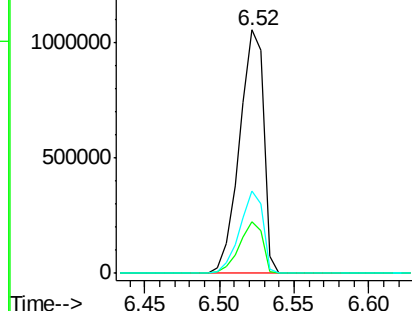
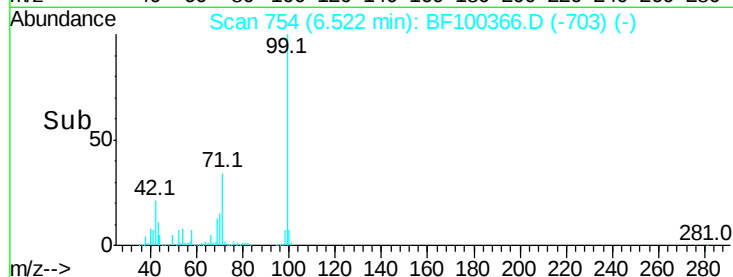
71 33.8 25.4 38.0



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: 9.564 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

Tgt Ion: 70 Resp: 95671

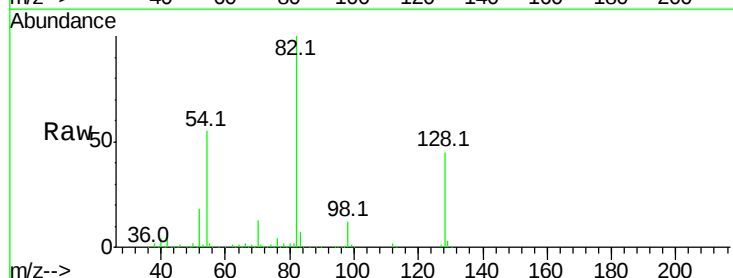
Ion Ratio Lower Upper

70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

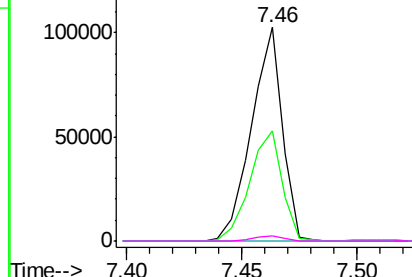
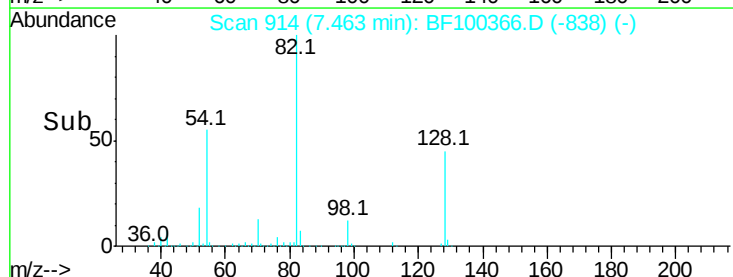


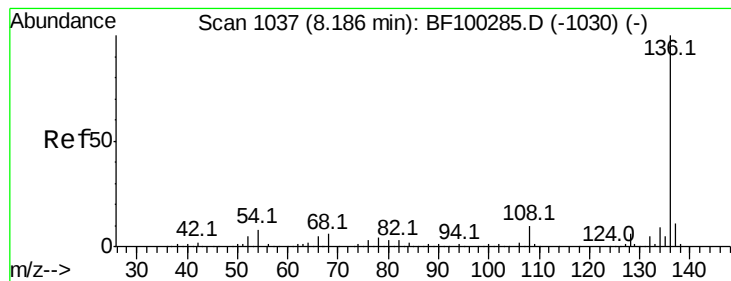
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF100366.D

Acq: 10 Nov 2017 2:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 730862

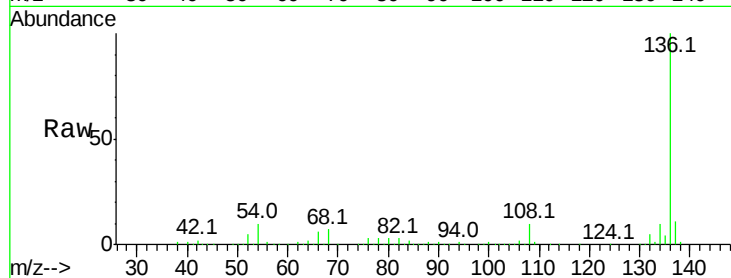
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.8 6.6 9.8

68 7.0 5.0 7.4

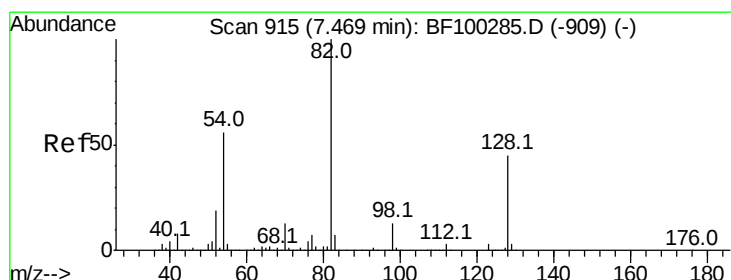
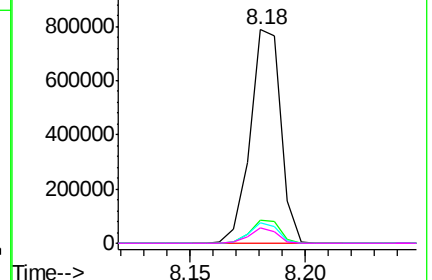
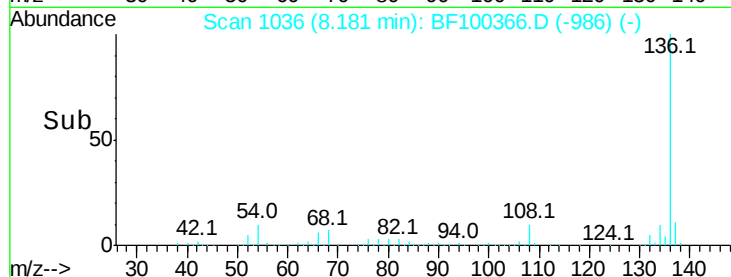


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.952 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

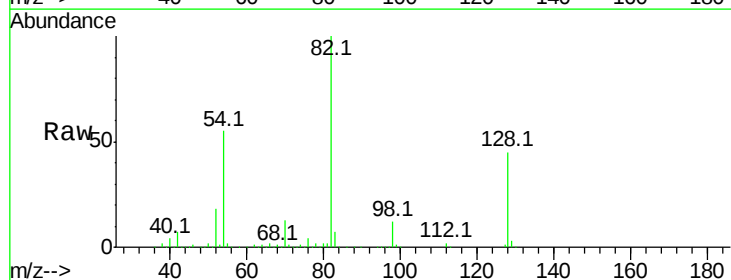
Tgt Ion: 82 Resp: 729081

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

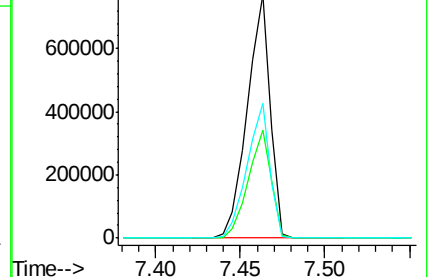
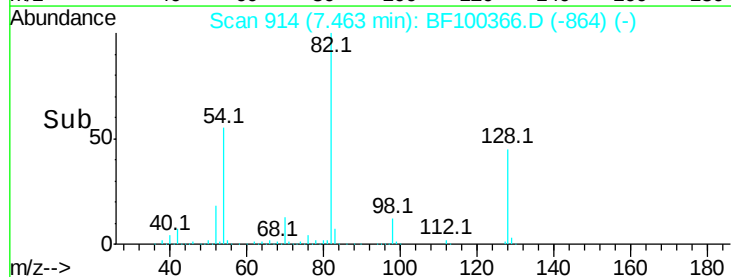
54 55.4 41.4 62.2

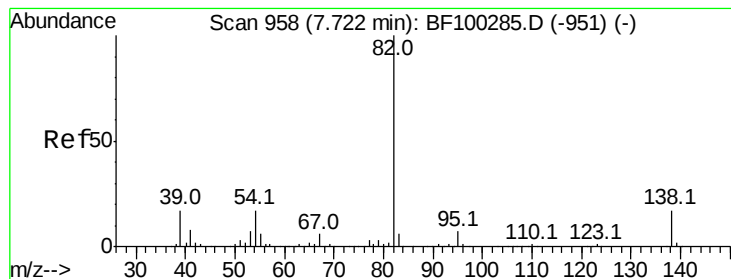


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.380 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

Instrument :

BNA_F

ClientSampled :

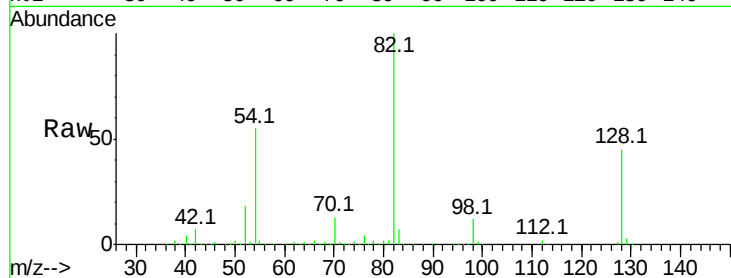
Tot Ion: 82 Resp: 728972

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

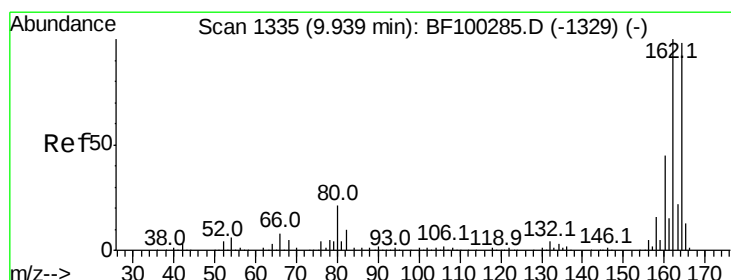
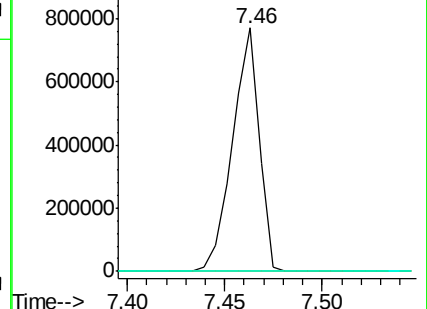
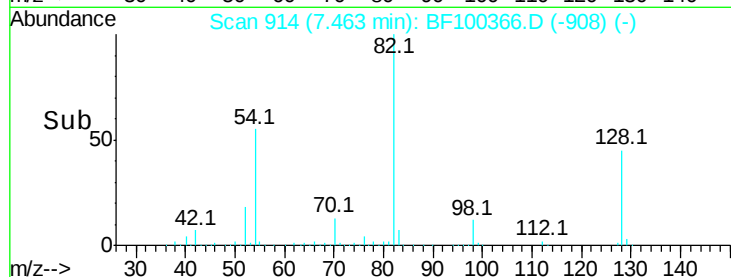
138 0.0 14.9 22.3#



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: BF100366.D

Acq: 10 Nov 2017 2:54

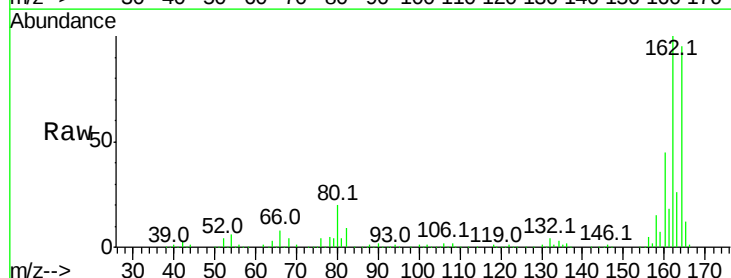
Tgt Ion:164 Resp: 321322

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

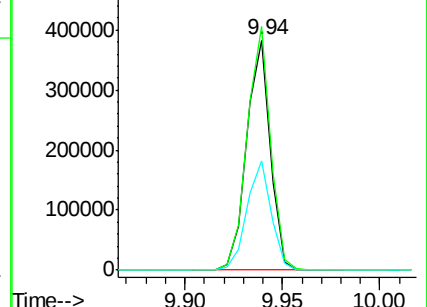
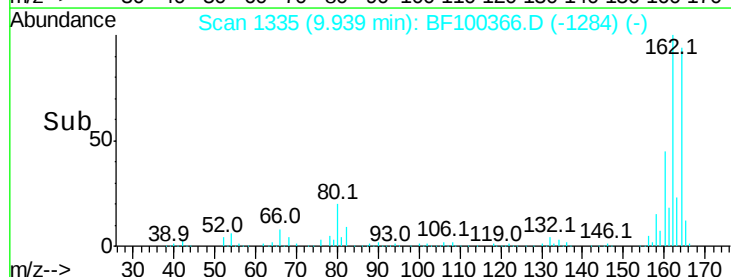
160 47.4 38.3 57.5



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

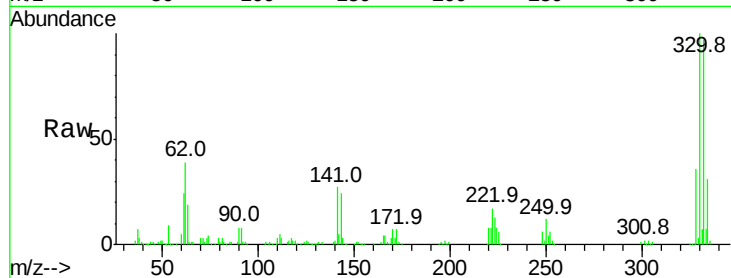




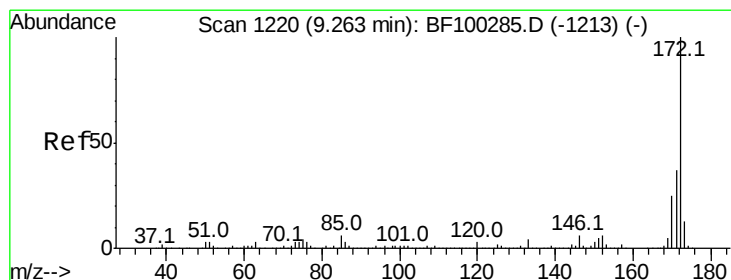
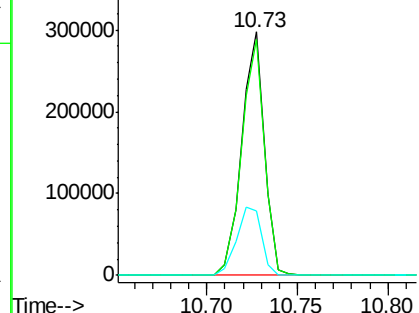
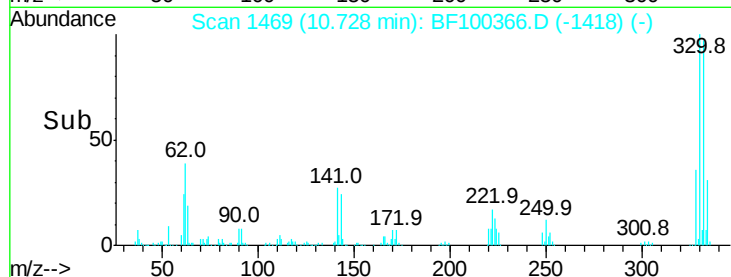
#41
 2,4,6-Tribromophenol
 Concen: 78.846 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100366.D
 Acq: 10 Nov 2017 2:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	31.2	29.9	44.9

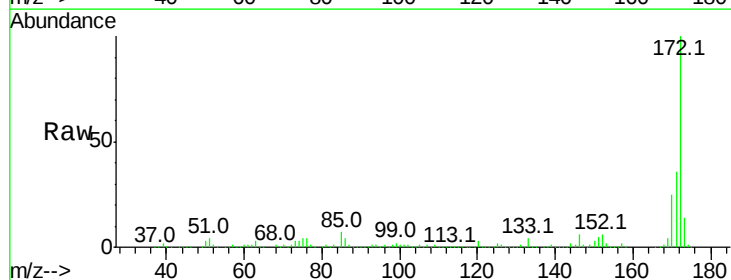


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

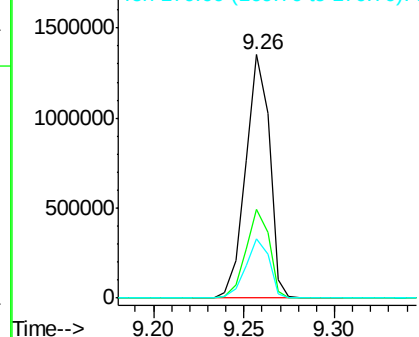
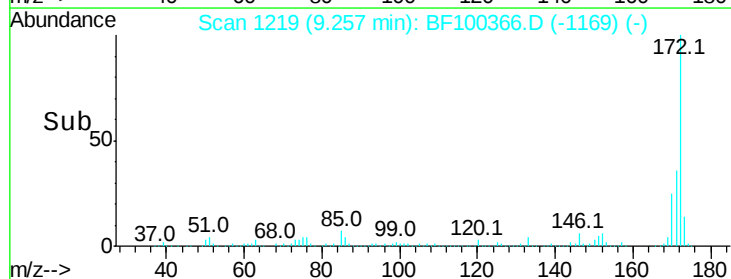


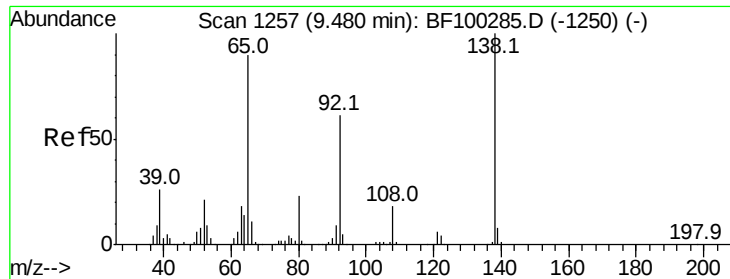
#44
 2-Fluorobiphenyl
 Concen: 58.538 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100366.D
 Acq: 10 Nov 2017 2:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.6	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: 2.810 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.16 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

Instrument :

BNA_F

ClientSampleId :

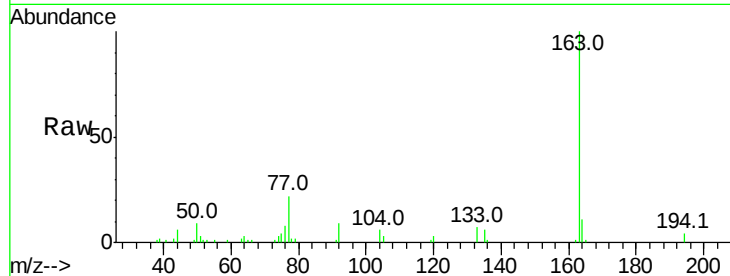
Tot Ion: 65 Resp: 162

Ion Ratio Lower Upper

65 100

92 754.6 55.8 83.6#

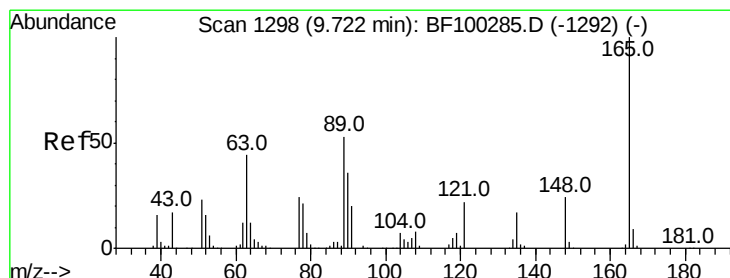
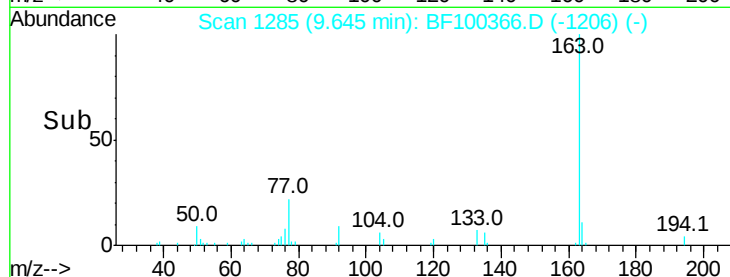
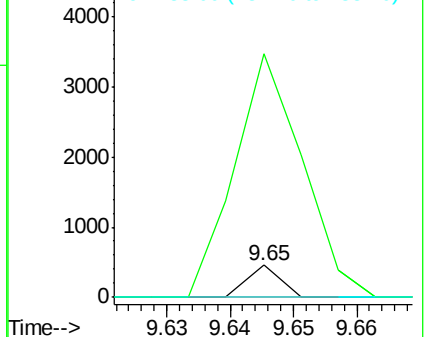
138 0.0 91.2 136.8#



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



#50

2,6-Dinitrotoluene

Concen: 8.343 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

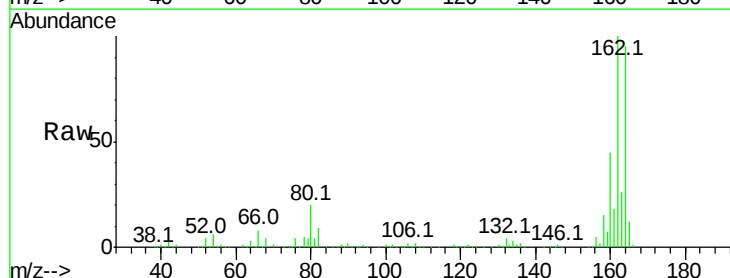
Tgt Ion:165 Resp: 40514

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

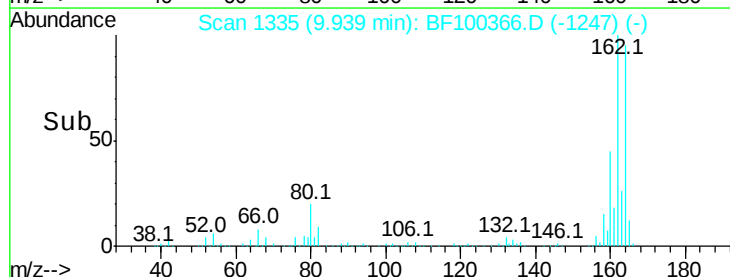
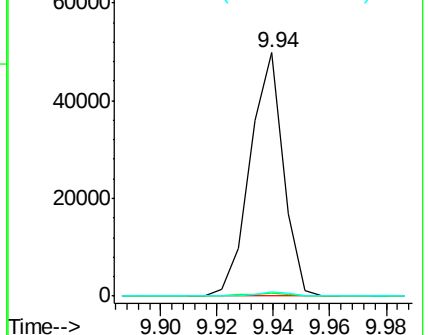
89 1.7 44.0 66.0#

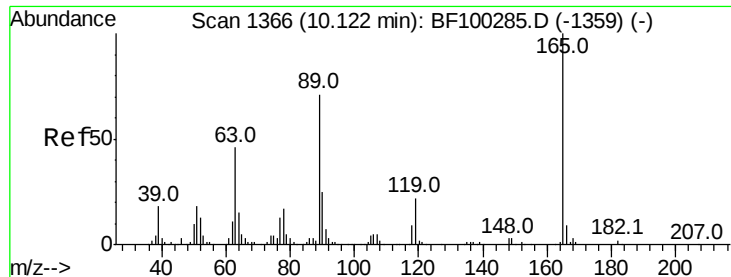


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

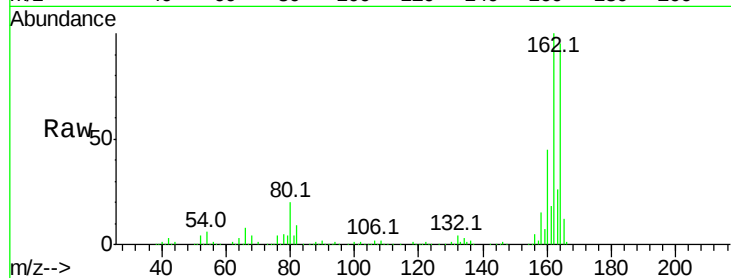




#56
 2,4-Dinitrotoluene
 Concen: 6.613 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.18 min
 Lab File: BF100366.D
 Acq: 10 Nov 2017 2:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	40514
Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

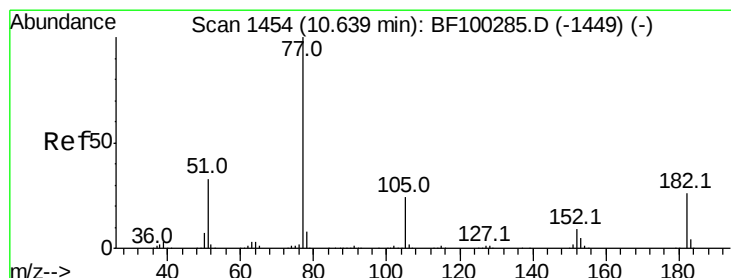
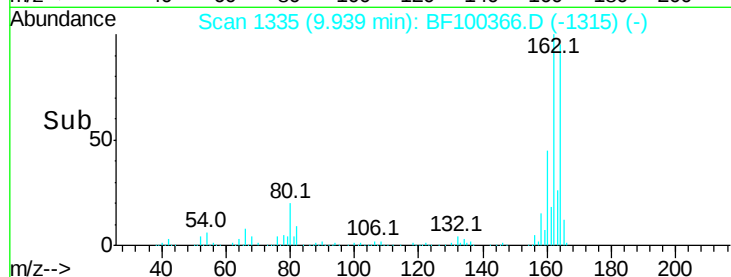
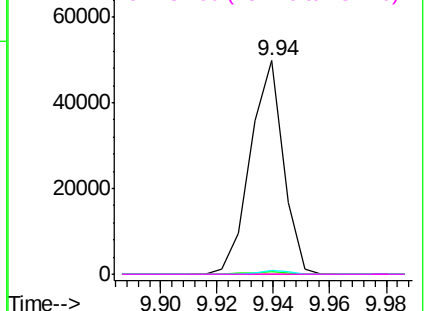


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

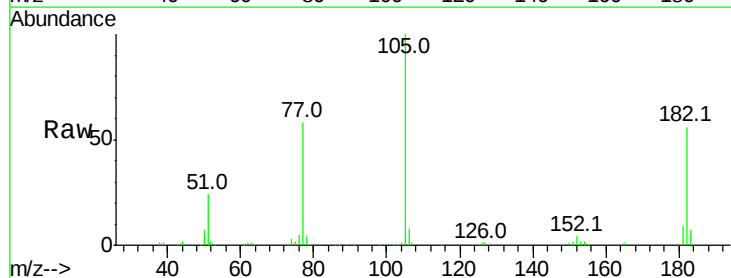
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 3.107 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF100366.D
 Acq: 10 Nov 2017 2:54

Tgt Ion:	77	Resp:	71849
Ion	Ratio	Lower	Upper
77	100		
182	95.6	1.7	41.7#
105	171.9	3.0	43.0#
51	42.1	9.9	49.9

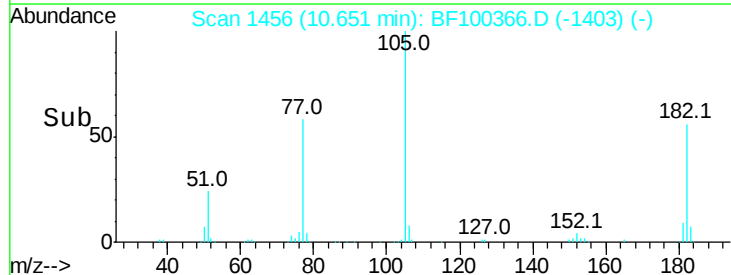
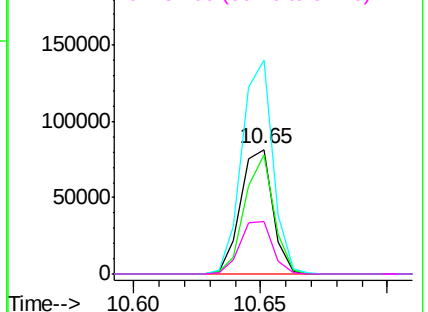


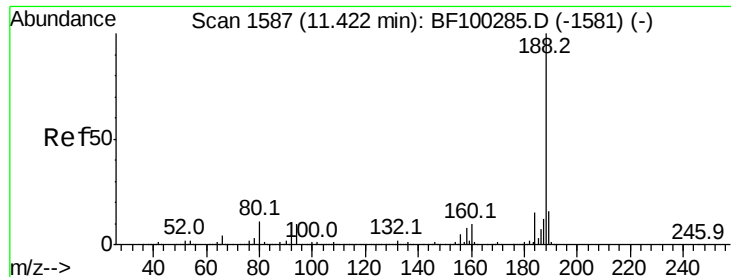
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

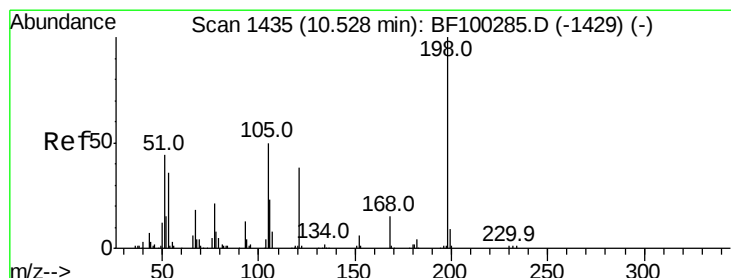
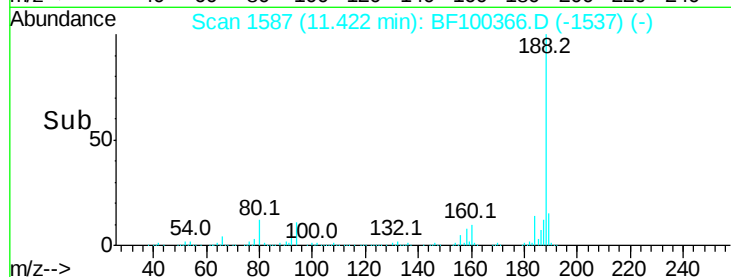
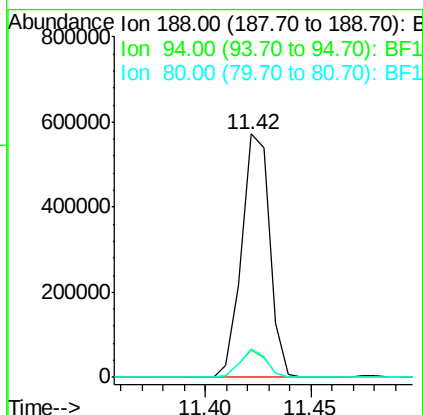
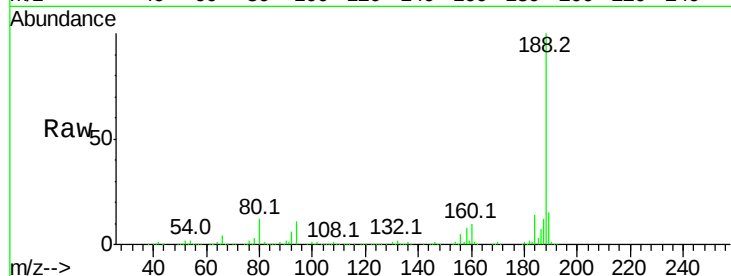




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100366.D
 Acq: 10 Nov 2017 2:54

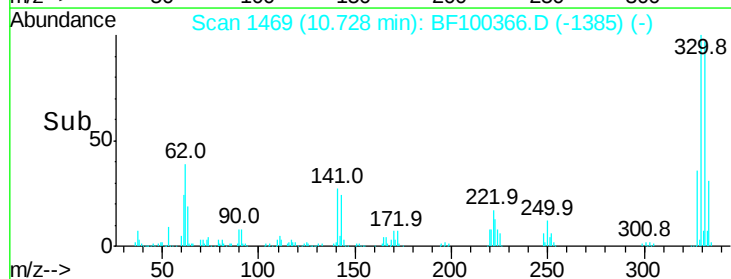
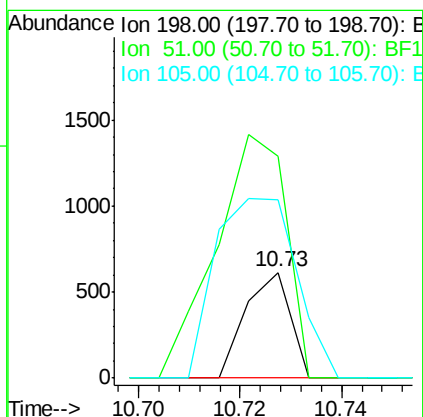
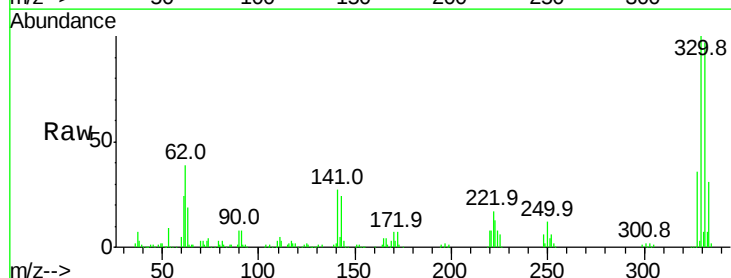
Instrument :
 BNA_F
 ClientSampleId :

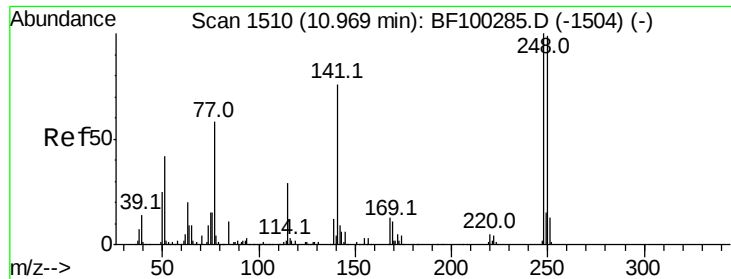
Tot Ion:188 Resp: 526964
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.686 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.19 min
 Lab File: BF100366.D
 Acq: 10 Nov 2017 2:54

Tgt Ion:198 Resp: 376
 Ion Ratio Lower Upper
 198 100
 51 209.8 37.7 77.7#
 105 168.9 36.3 76.3#

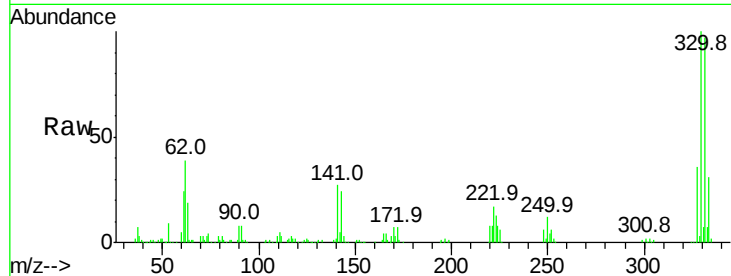




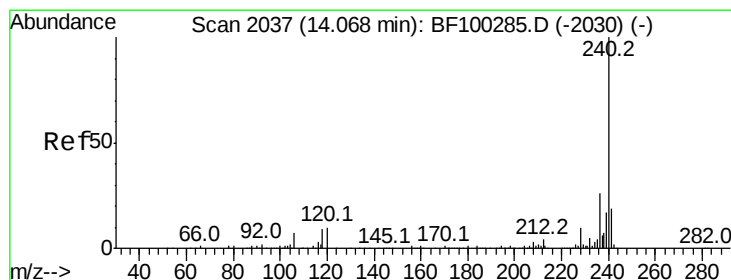
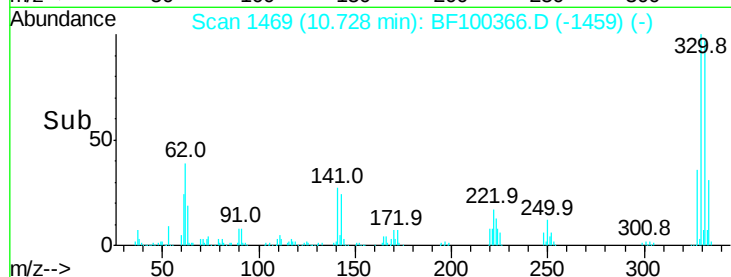
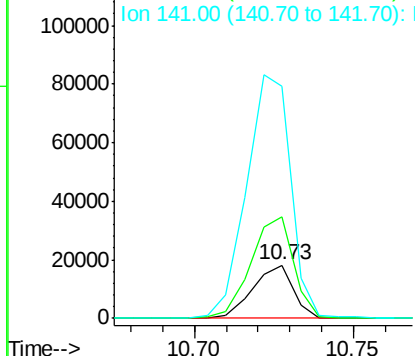
#66
4-Bromophenyl-phenylether
Concen: 2.848 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100366.D
Acq: 10 Nov 2017 2:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16088
Ion Ratio Lower Upper
248 100
250 192.1 76.9 115.3#
141 436.5 74.4 111.6#

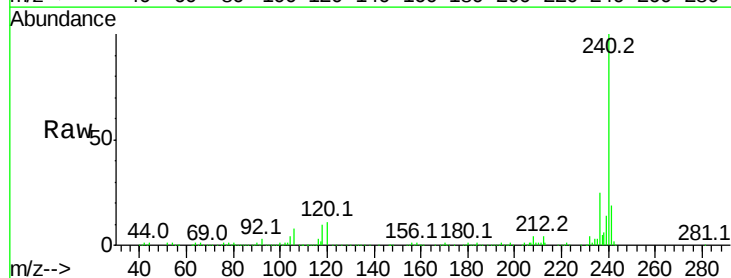


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

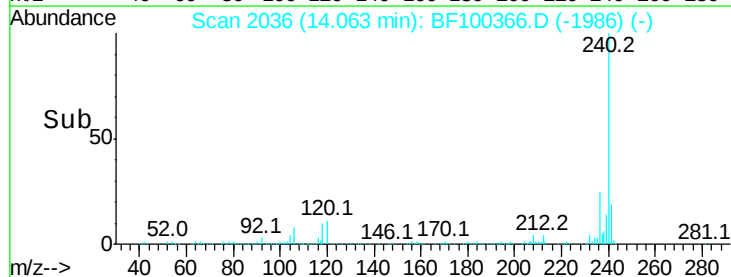
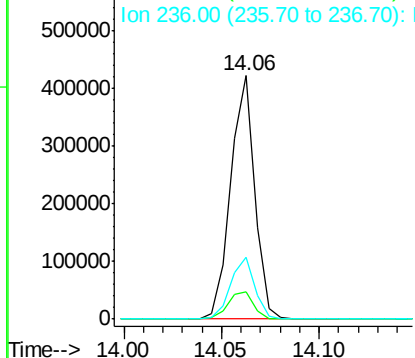


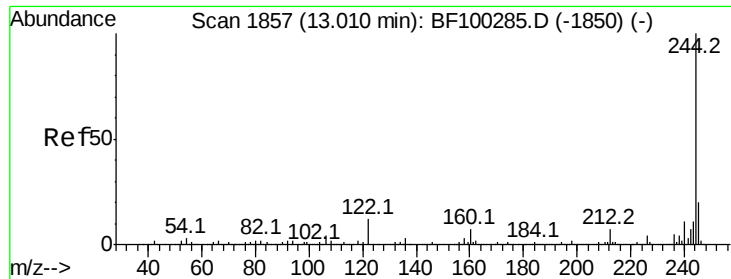
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100366.D
Acq: 10 Nov 2017 2:54

Tgt Ion:240 Resp: 361101
Ion Ratio Lower Upper
240 100
120 11.1 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: 52.106 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100366.D

Acq: 10 Nov 2017 2:54

Instrument :

BNA_F

ClientSampled :

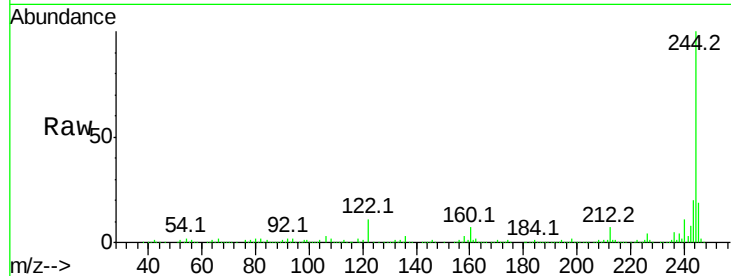
Tot Ion:244 Resp: 818882

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

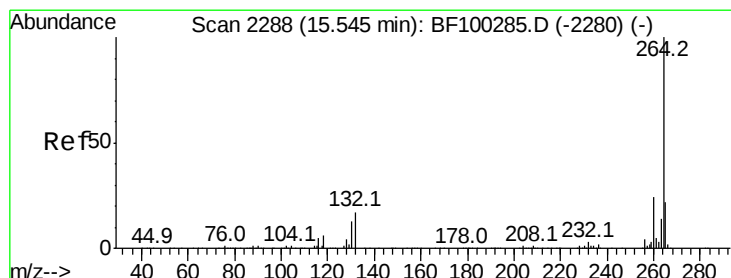
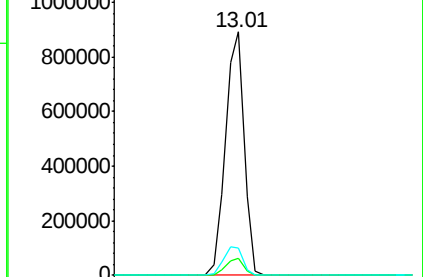
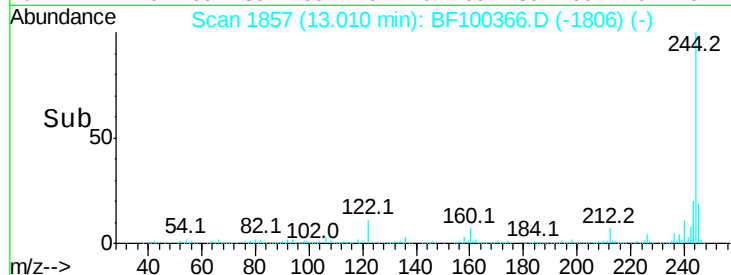
122 11.1 11.0 16.4



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: BF100366.D

Acq: 10 Nov 2017 2:54

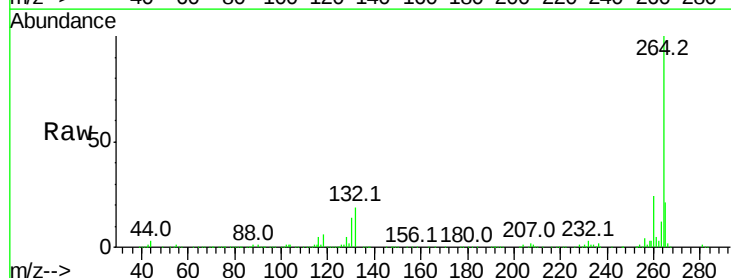
Tgt Ion:264 Resp: 368551

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.7 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

