

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111717\
 Data File : BF100673.D
 Acq On : 17 Nov 2017 13:57
 Operator : SJ/JU
 Sample : I6448-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 17 16:41:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

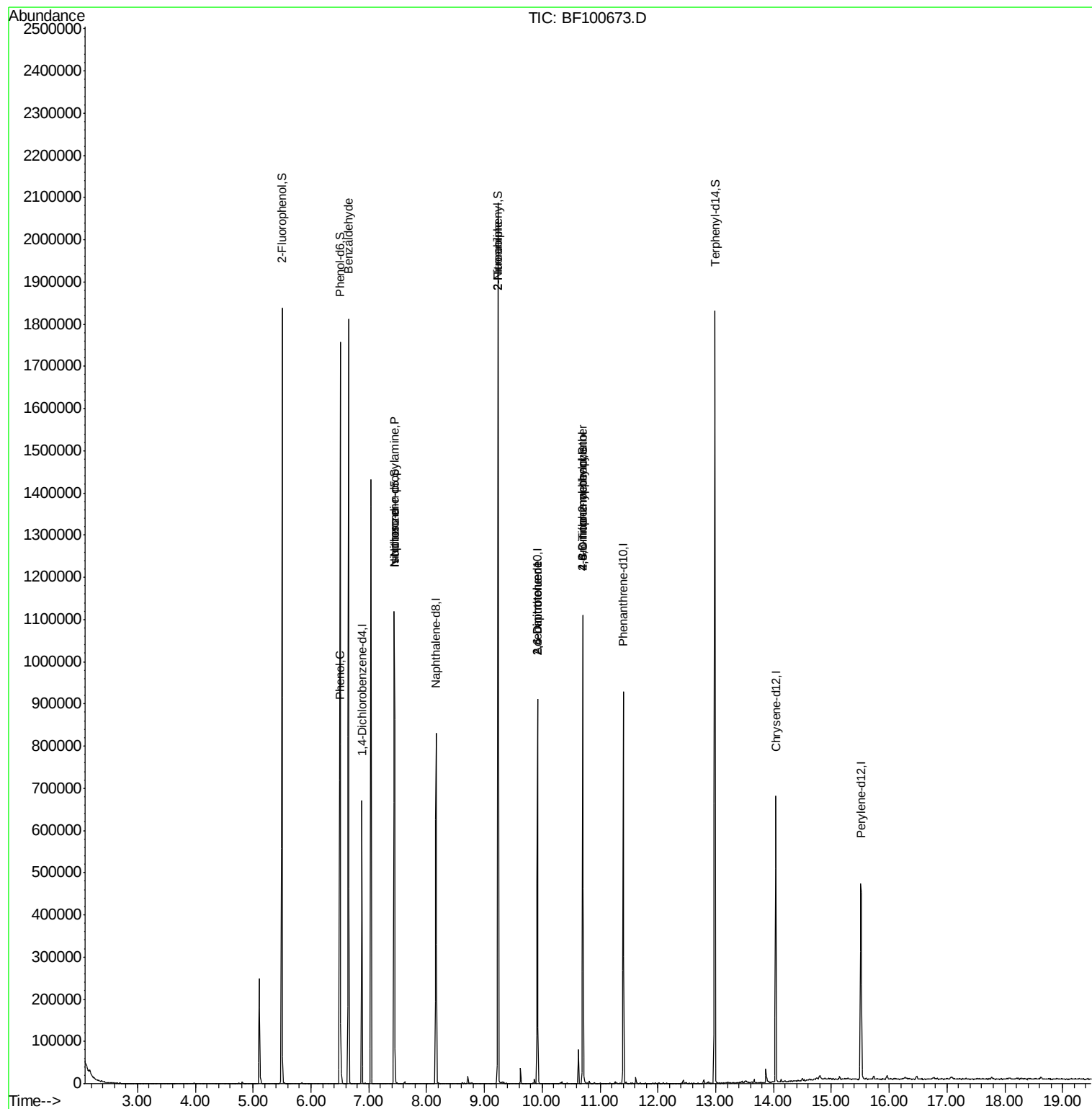
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	93424	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	379431	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	179037	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	345114	20.00	ng	0.00
75) Chrysene-d12	14.04	240	224749	20.00	ng	0.00
86) Perylene-d12	15.51	264	231143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	503637	86.42	ng	0.00
7) Phenol-d6	6.50	99	617366	85.90	ng	0.00
23) Nitrobenzene-d5	7.44	82	369841	64.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	137413	75.32	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	738403	62.80	ng	0.00
78) Terphenyl-d14	12.99	244	614190	62.79	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	11034	2.150	ng	81
10) Phenol	6.52	94	26475	3.509	ng	96
19) n-Nitroso-di-n-propylamine	7.44	70	48487	9.728	ng	# 79
25) Isophorone	7.44	82	369837	30.666	ng	# 64
47) 2-Nitroaniline	9.23	65	985	3.063	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	22435	8.291	ng	# 24
56) 2,4-Dinitrotoluene	9.92	165	22435	6.572	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.70	198	140	8.636	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	8328	2.251	ng	# 1

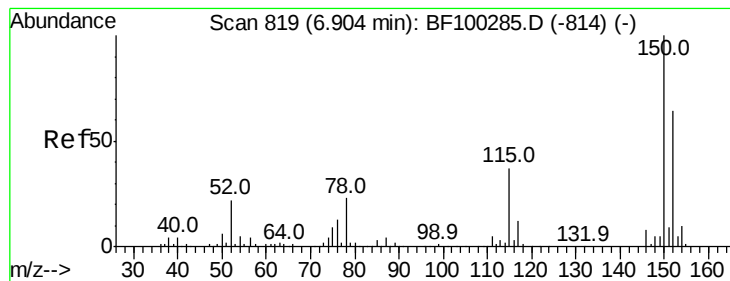
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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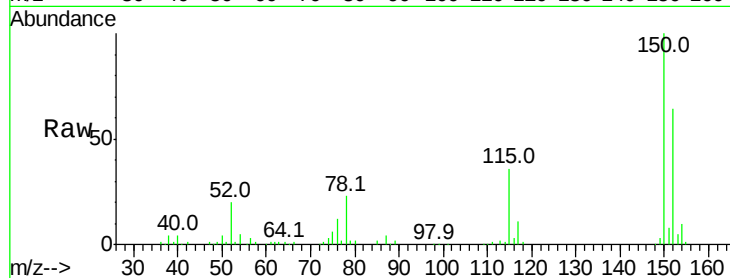


#1

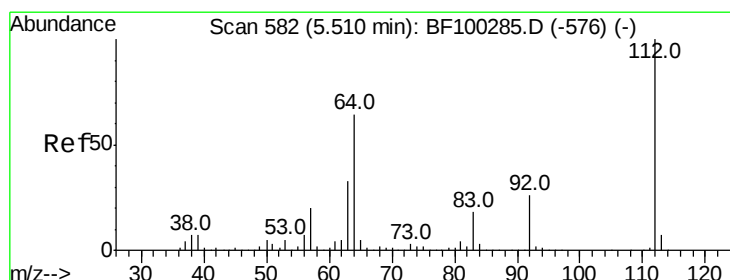
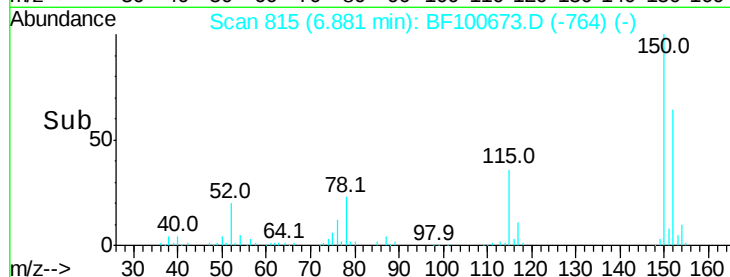
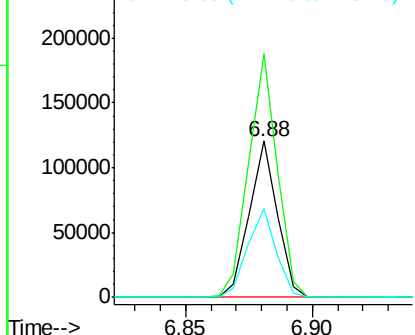
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF100673.D
Acq: 17 Nov 2017 13:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 93424
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 56.7 50.1 75.1



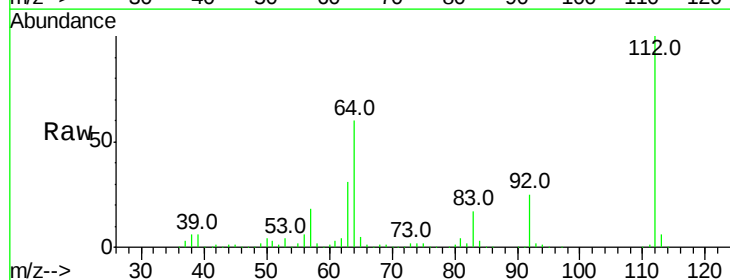
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



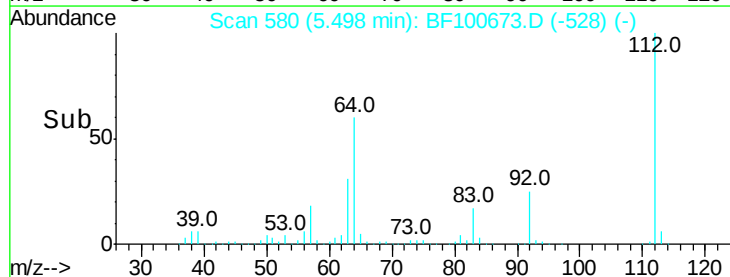
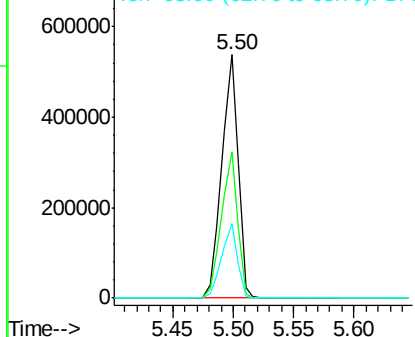
#5

2-Fluorophenol
Concen: 86.415 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100673.D
Acq: 17 Nov 2017 13:57

Tgt Ion:112 Resp: 503637
Ion Ratio Lower Upper
112 100
64 60.1 47.9 71.9
63 30.5 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: 85.902 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Instrument :

BNA_F

ClientSampleId :

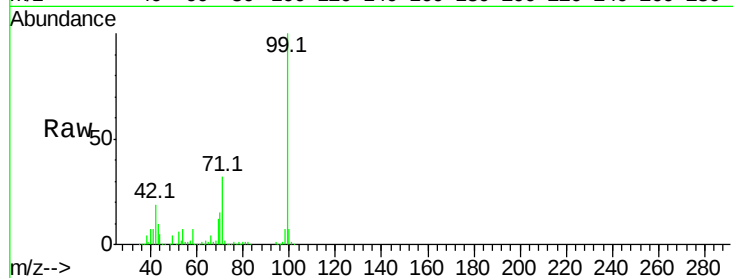
Tot Ion: 99 Resp: 617366

Ion Ratio Lower Upper

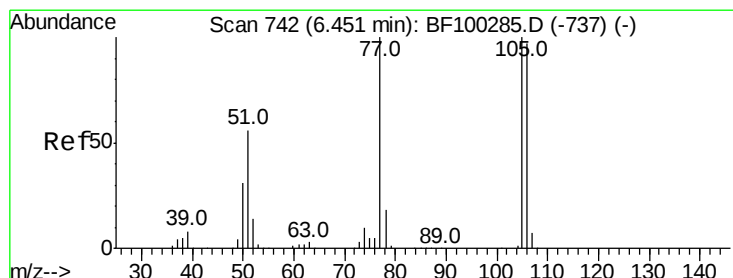
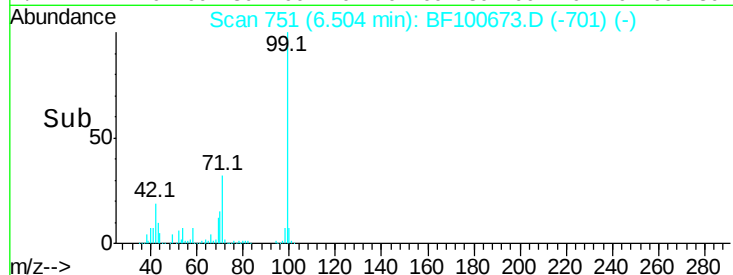
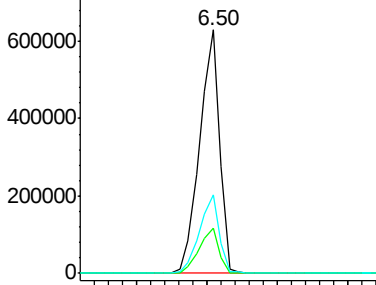
99 100

42 18.8 14.5 21.7

71 32.1 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: 2.150 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

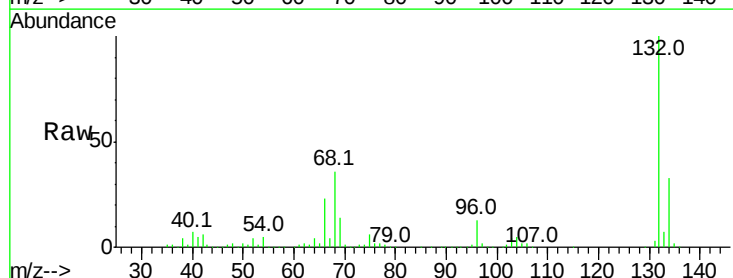
Tgt Ion: 77 Resp: 11034

Ion Ratio Lower Upper

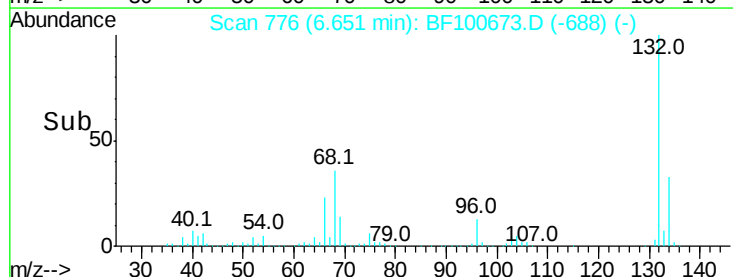
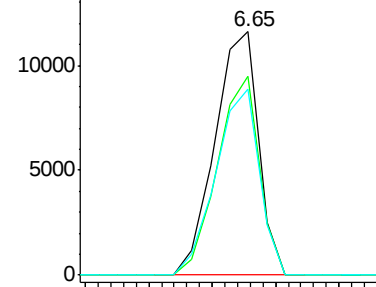
77 100

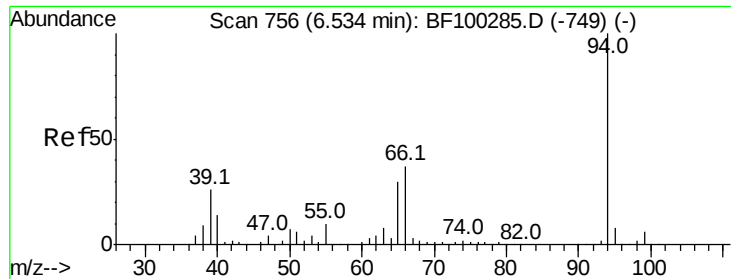
105 81.6 81.1 121.1

106 76.6 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: 3.509 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Instrument :

BNA_F

ClientSampled :

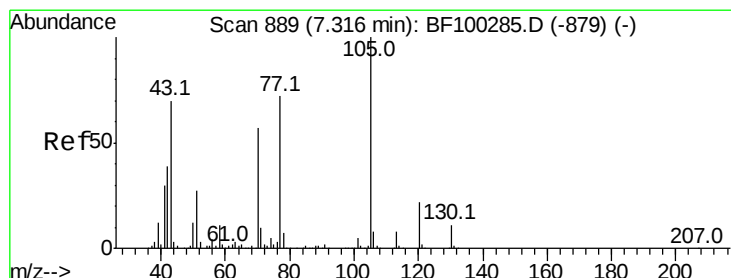
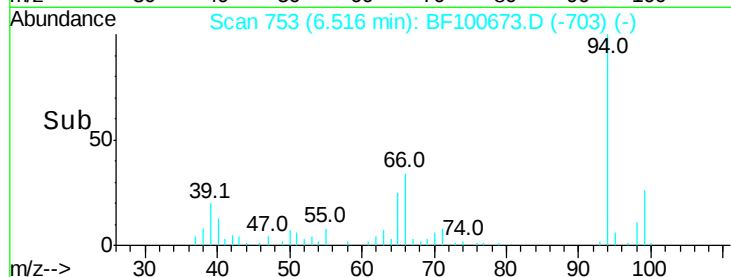
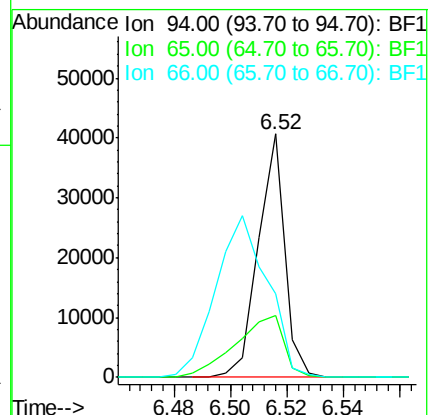
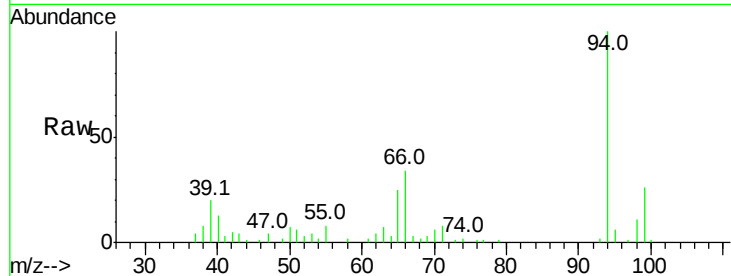
Tot Ion: 94 Resp: 26475

Ion Ratio Lower Upper

94 100

65 25.2 7.9 47.9

66 34.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.728 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Tgt Ion: 70 Resp: 48487

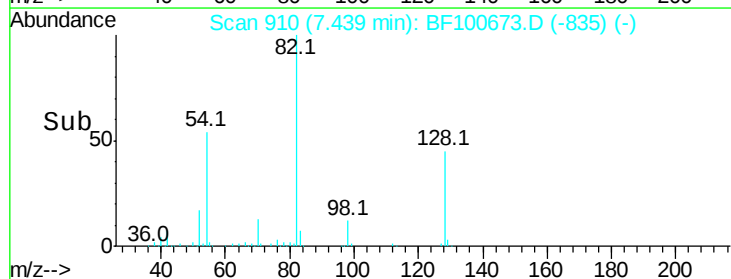
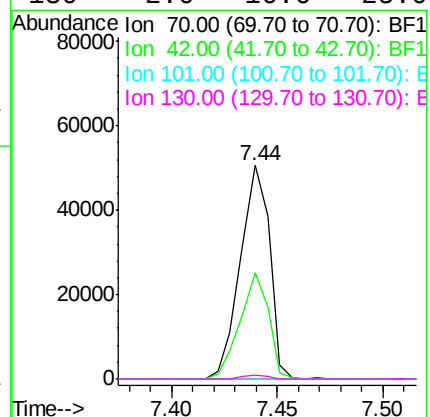
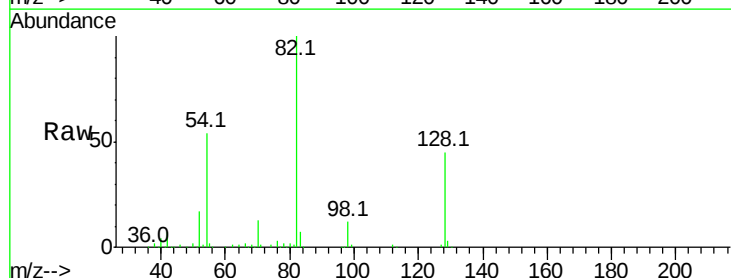
Ion Ratio Lower Upper

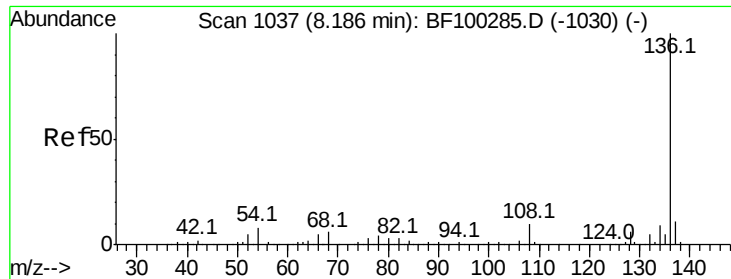
70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

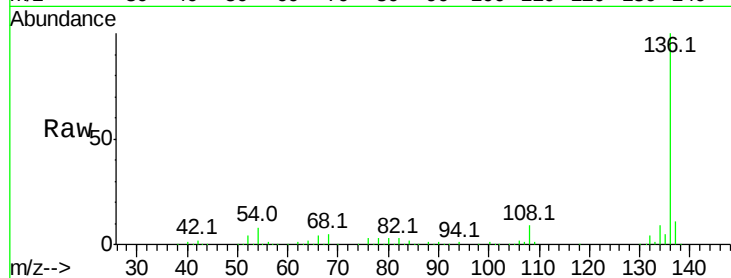




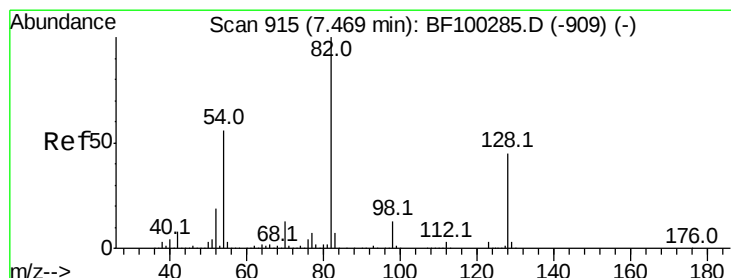
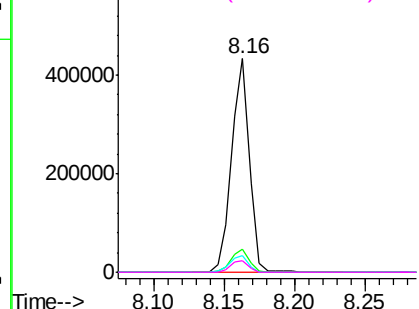
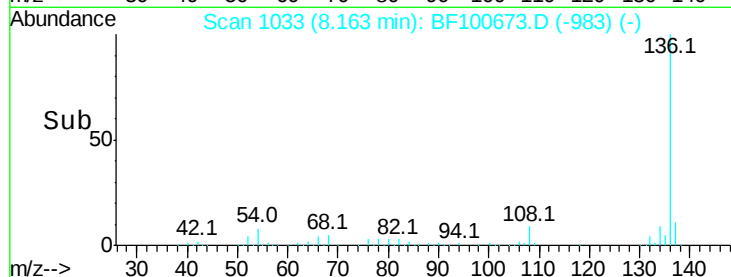
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100673.D
Acq: 17 Nov 2017 13:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	379431
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.7	6.6 9.8
68	5.5	5.0 7.4

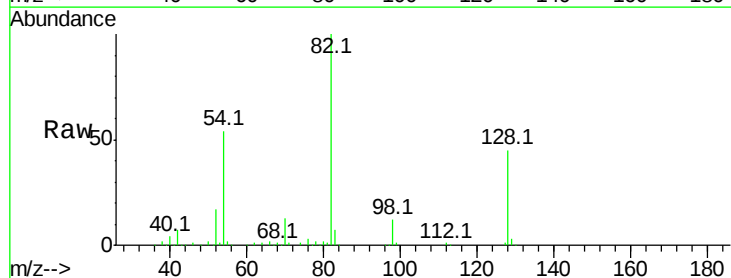


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

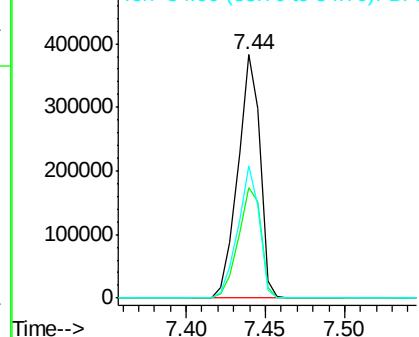
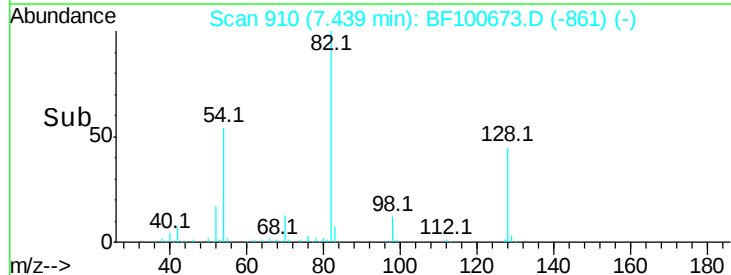


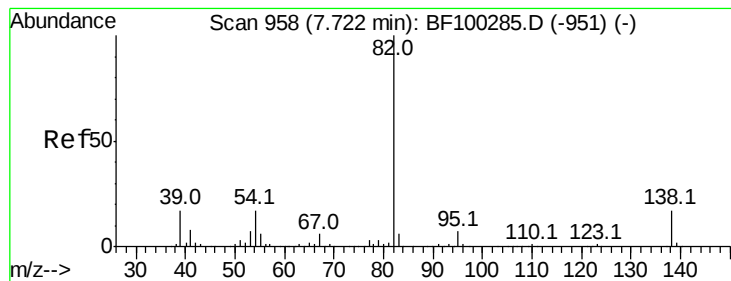
#23
Nitrobenzene-d5
Concen: 64.442 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100673.D
Acq: 17 Nov 2017 13:57

Tgt Ion: 82	Resp:	369841
Ion Ratio	Lower	Upper
82	100	
128	45.3	36.1 54.1
54	54.3	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: 30.666 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Instrument :

BNA_F

ClientSampleID :

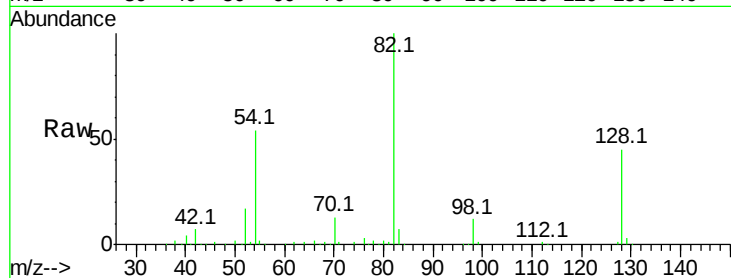
Tot Ion: 82 Resp: 369837

Ion Ratio Lower Upper

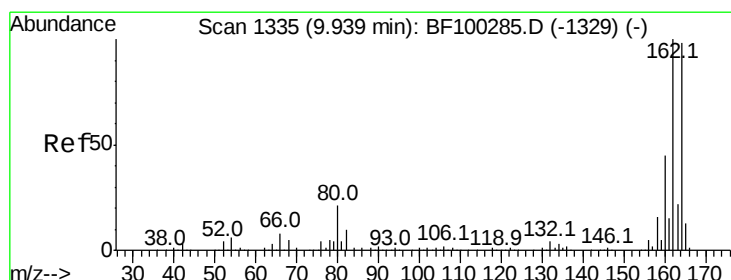
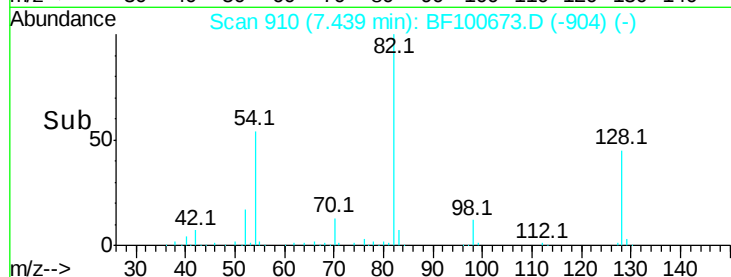
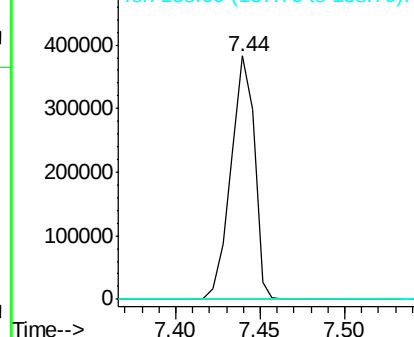
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

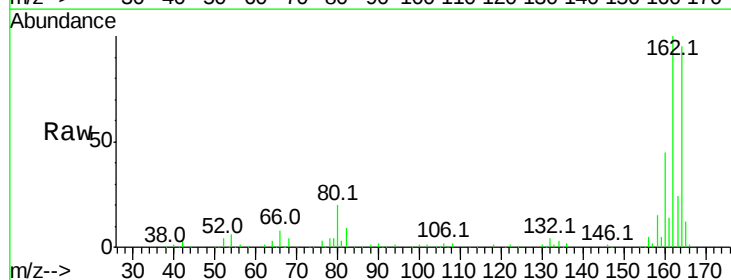
Tgt Ion:164 Resp: 179037

Ion Ratio Lower Upper

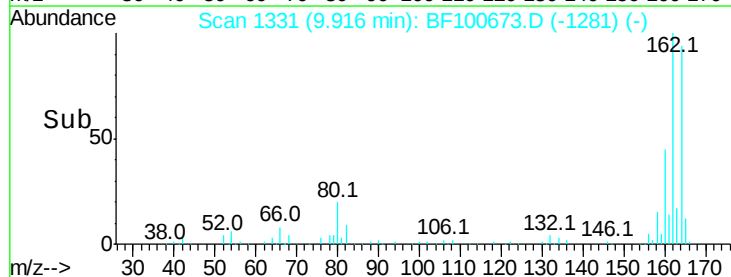
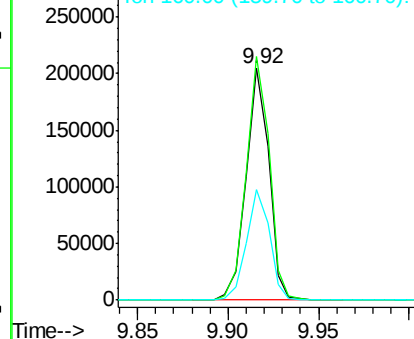
164 100

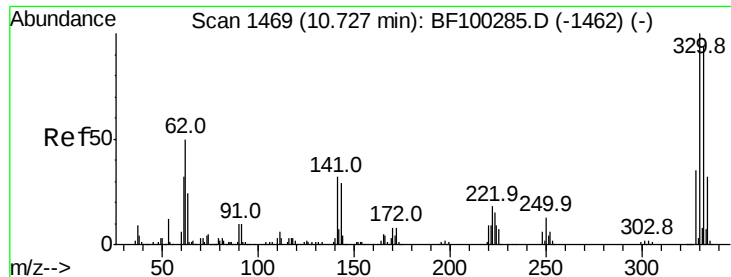
162 105.0 86.1 129.1

160 47.6 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

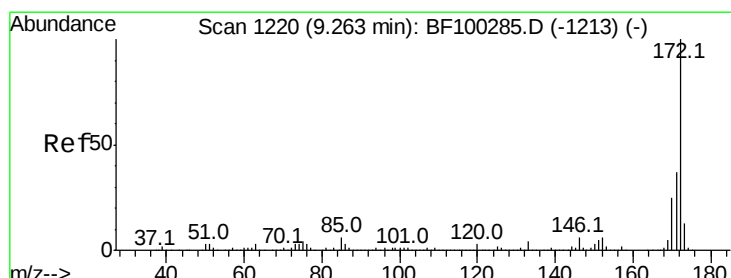
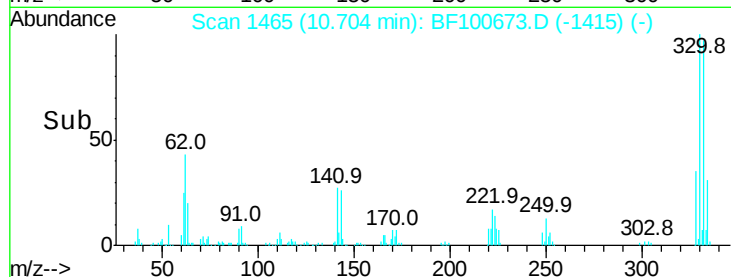
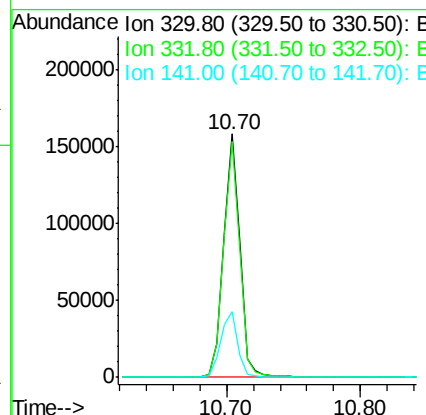
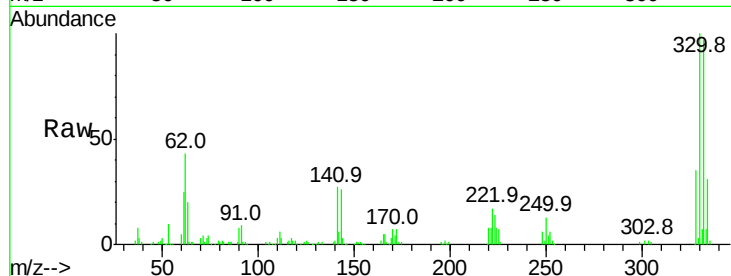




#41
 2,4,6-Tribromophenol
 Concen: 75.320 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100673.D
 Acq: 17 Nov 2017 13:57

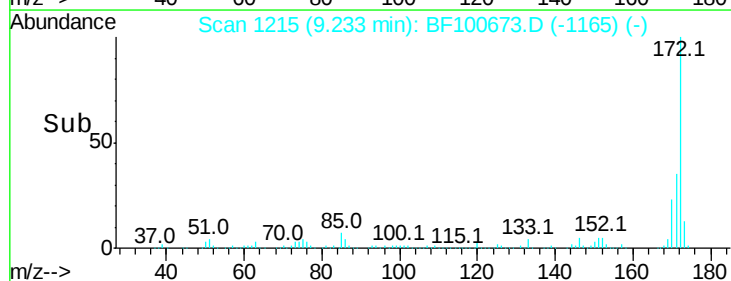
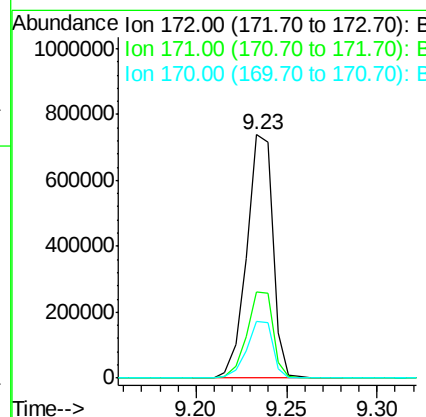
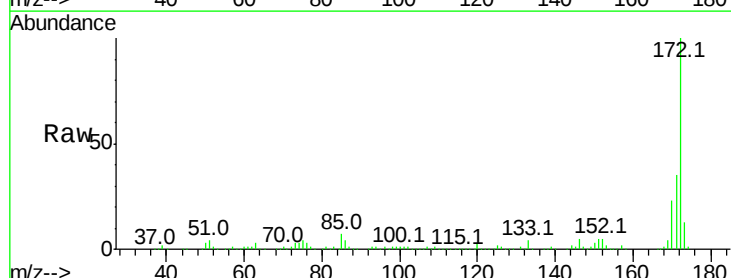
Instrument :
 BNA_F
 ClientSampleId :

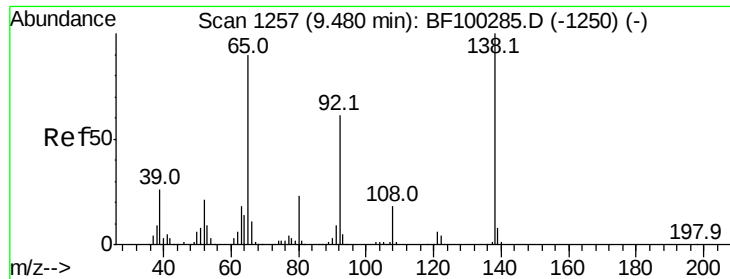
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	28.0	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 62.801 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100673.D
 Acq: 17 Nov 2017 13:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.3	19.6	29.4





#47

2-Nitroaniline

Concen: 3.063 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.23 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Instrument :

BNA_F

ClientSampleId :

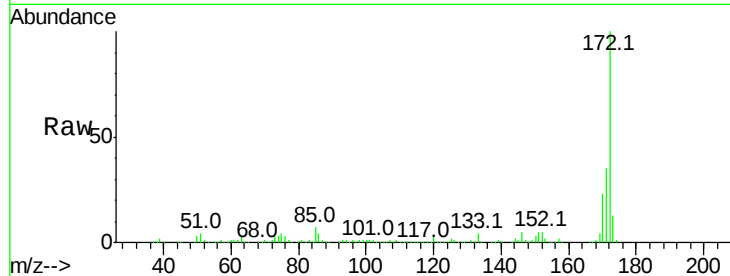
Tot Ion: 65 Resp: 985

Ion Ratio Lower Upper

65 100

92 203.1 55.8 83.6#

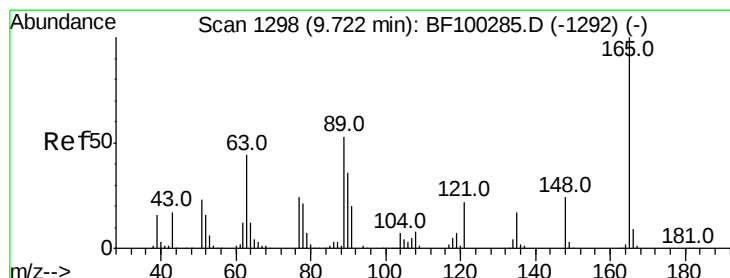
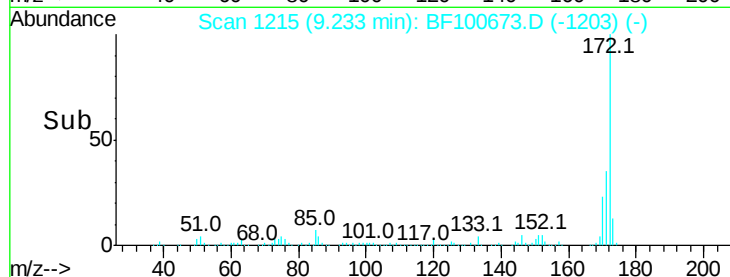
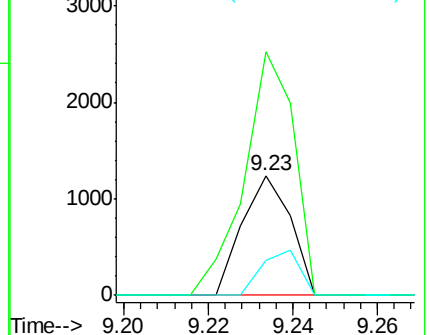
138 29.3 91.2 136.8#



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: 8.291 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

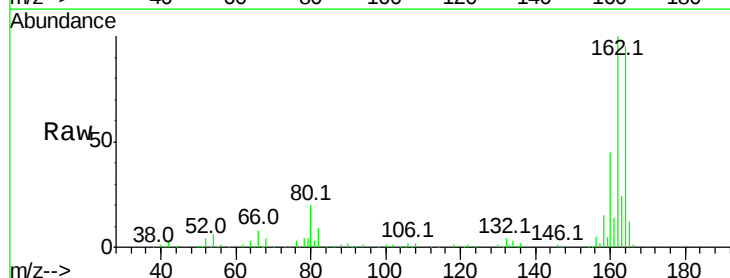
Tgt Ion:165 Resp: 22435

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

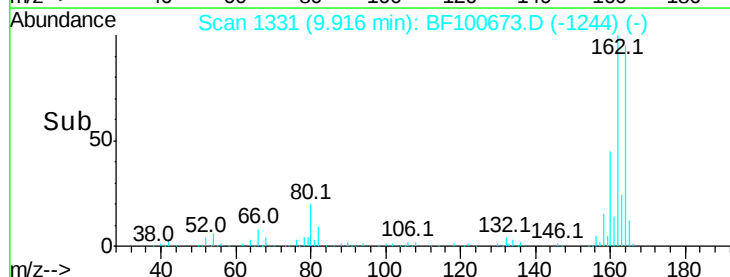
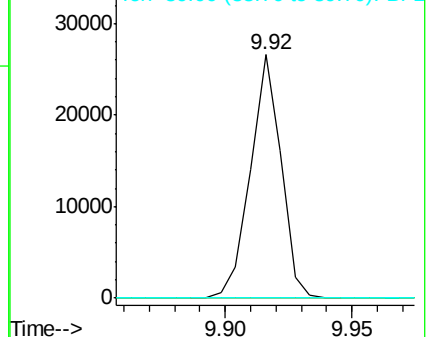
89 0.0 44.0 66.0#

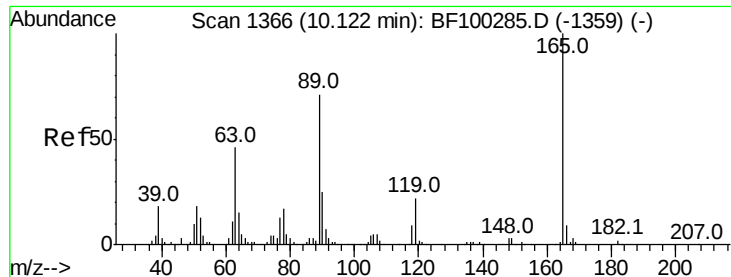


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

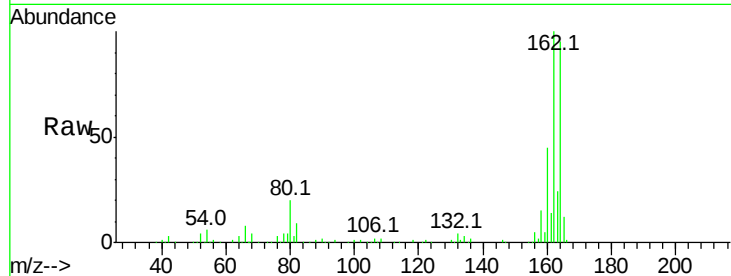




#56
 2,4-Dinitrotoluene
 Concen: 6.572 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100673.D
 Acq: 17 Nov 2017 13:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	22435
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#

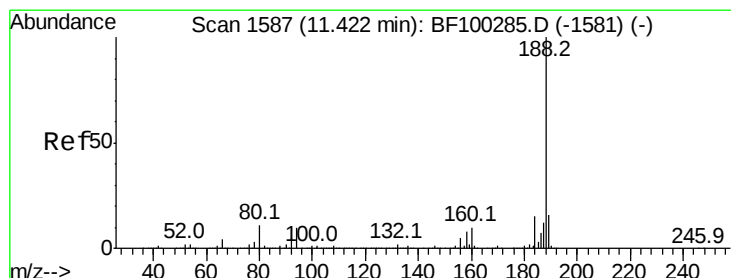
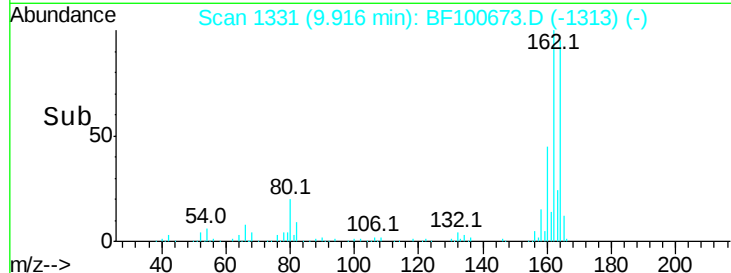
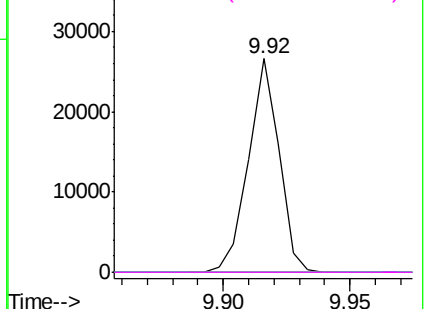


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

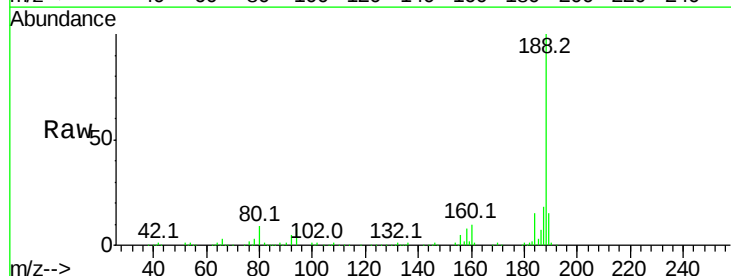
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF100673.D
 Acq: 17 Nov 2017 13:57

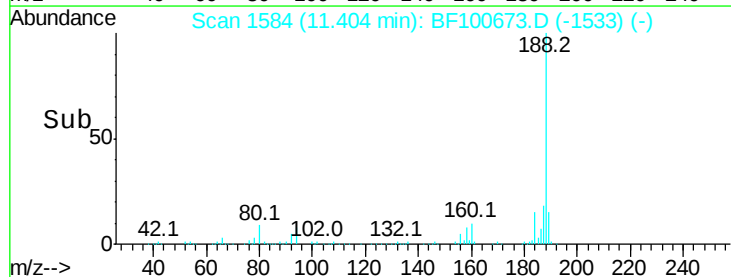
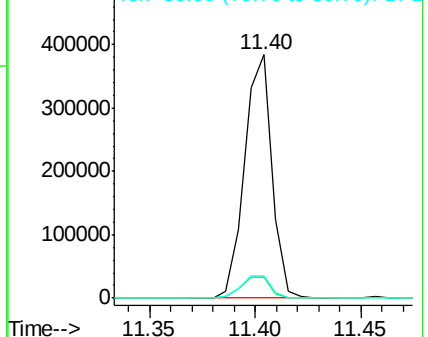
Tgt Ion:188	Resp:	345114
Ion Ratio	Lower	Upper
188	100	
94	8.4	8.5 12.7#
80	8.9	9.2 13.8#

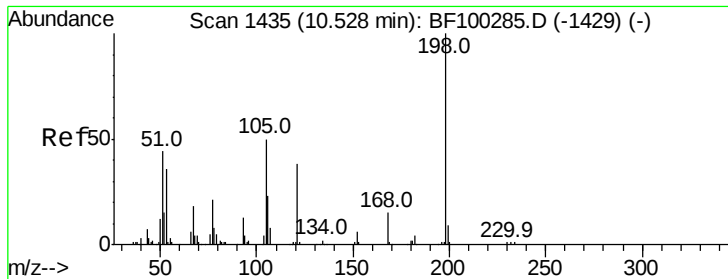


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 8.636 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Instrument :

BNA_F

ClientSampleId :

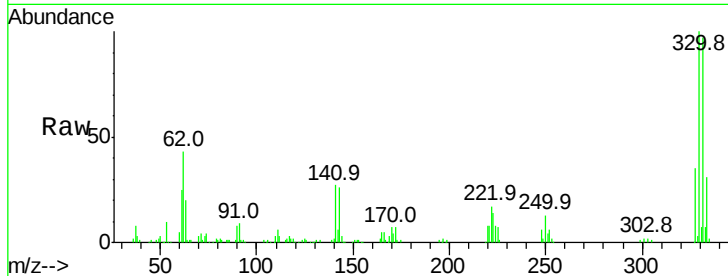
Tot Ion:198 Resp: 140

Ion Ratio Lower Upper

198 100

51 143.2 37.7 77.7#

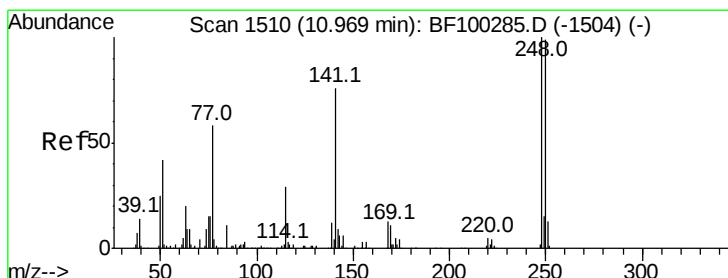
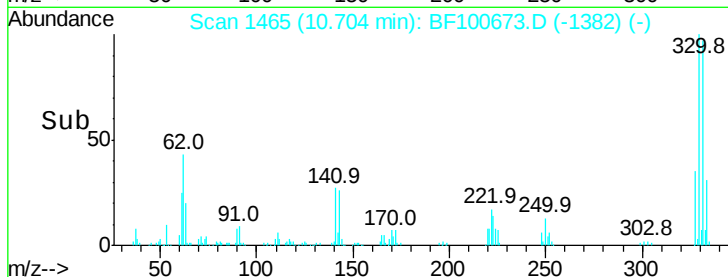
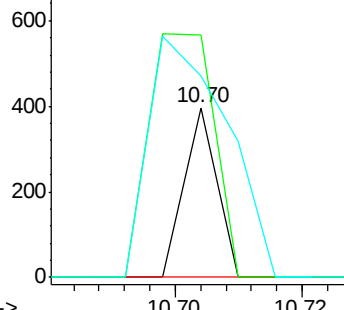
105 118.7 36.3 76.3#



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: 2.251 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

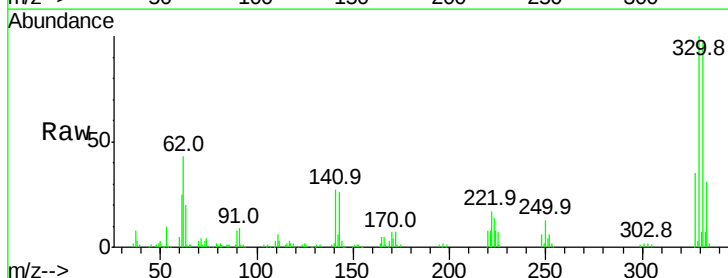
Tgt Ion:248 Resp: 8328

Ion Ratio Lower Upper

248 100

250 204.6 76.9 115.3#

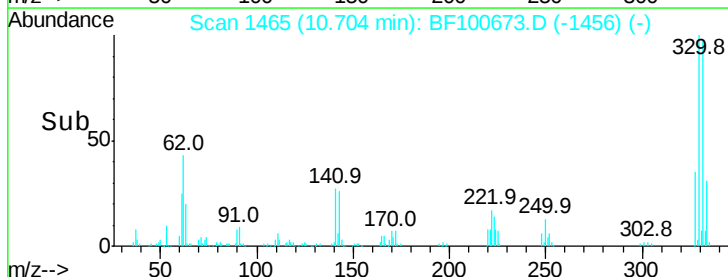
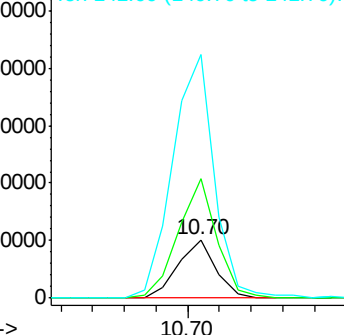
141 417.1 74.4 111.6#

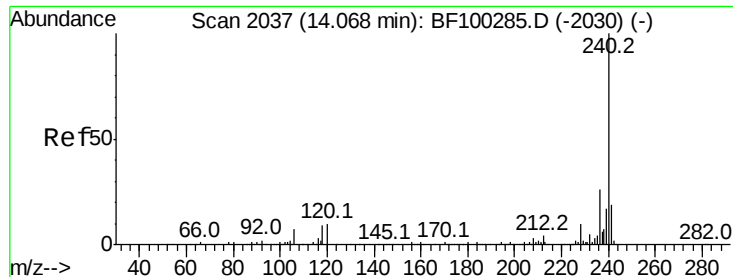


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

Instrument :

BNA_F

ClientSampleId :

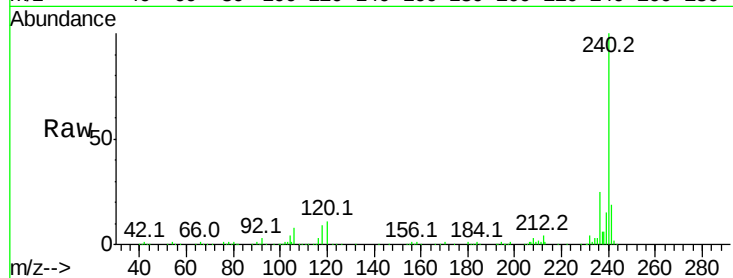
Tot Ion:240 Resp: 224749

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

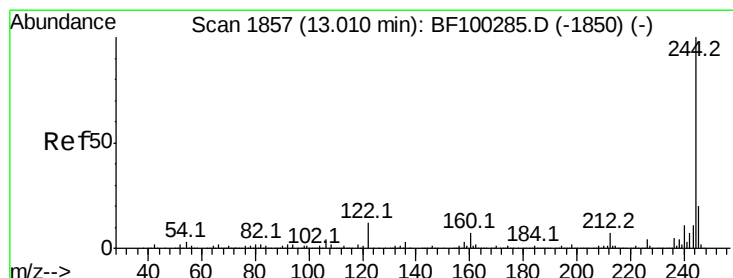
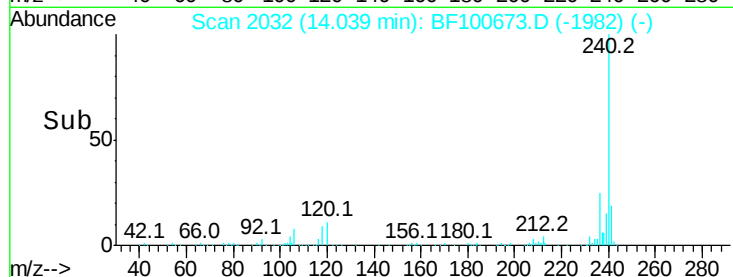
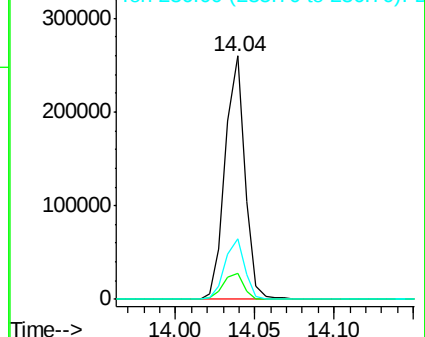
236 25.0 20.7 31.1



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: 62.791 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF100673.D

Acq: 17 Nov 2017 13:57

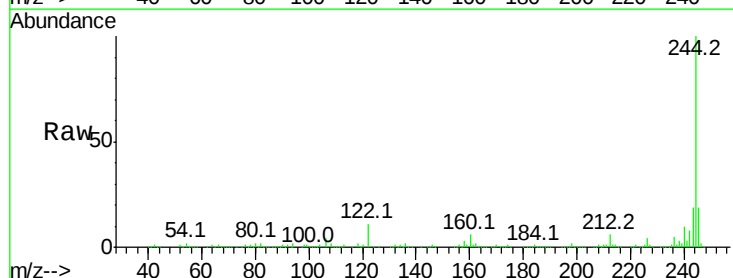
Tgt Ion:244 Resp: 614190

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

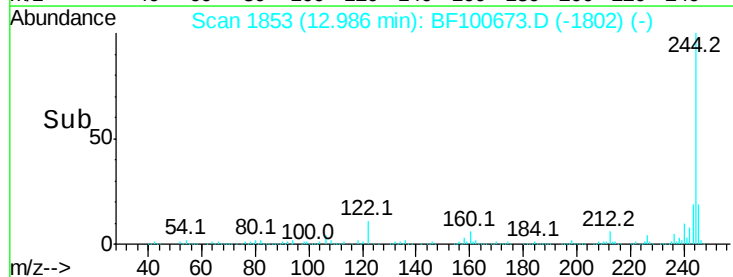
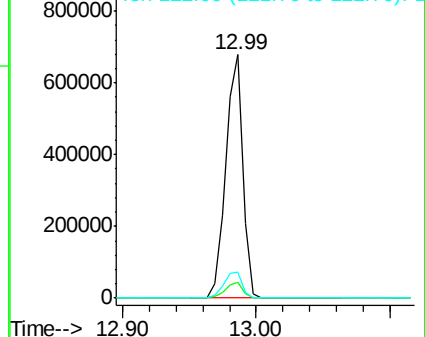
122 10.6 11.0 16.4#

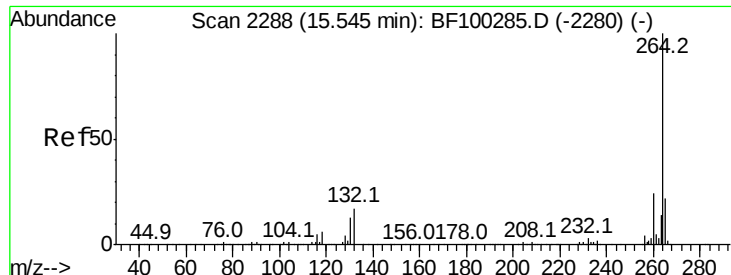


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

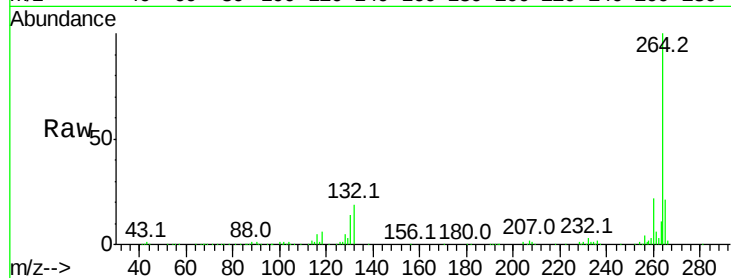




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF100673.D
 Acq: 17 Nov 2017 13:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	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

