

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100502.D
 Acq On : 13 Nov 2017 15:02
 Operator : SJ/JU
 Sample : I6355-11RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 15:37:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 13 14:08:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	101248	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	388269	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	186294	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	336013	20.00	ng	0.00
75) Chrysene-d12	14.05	240	228414	20.00	ng	0.00
86) Perylene-d12	15.53	264	188640	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	492888	78.04	ng	0.00
7) Phenol-d6	6.52	99	408120	52.40	ng	0.00
23) Nitrobenzene-d5	7.46	82	1097008	186.80	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	345109	181.80	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	2014001	164.62	ng	0.00
78) Terphenyl-d14	13.01	244	1586368	159.58	ng	0.01

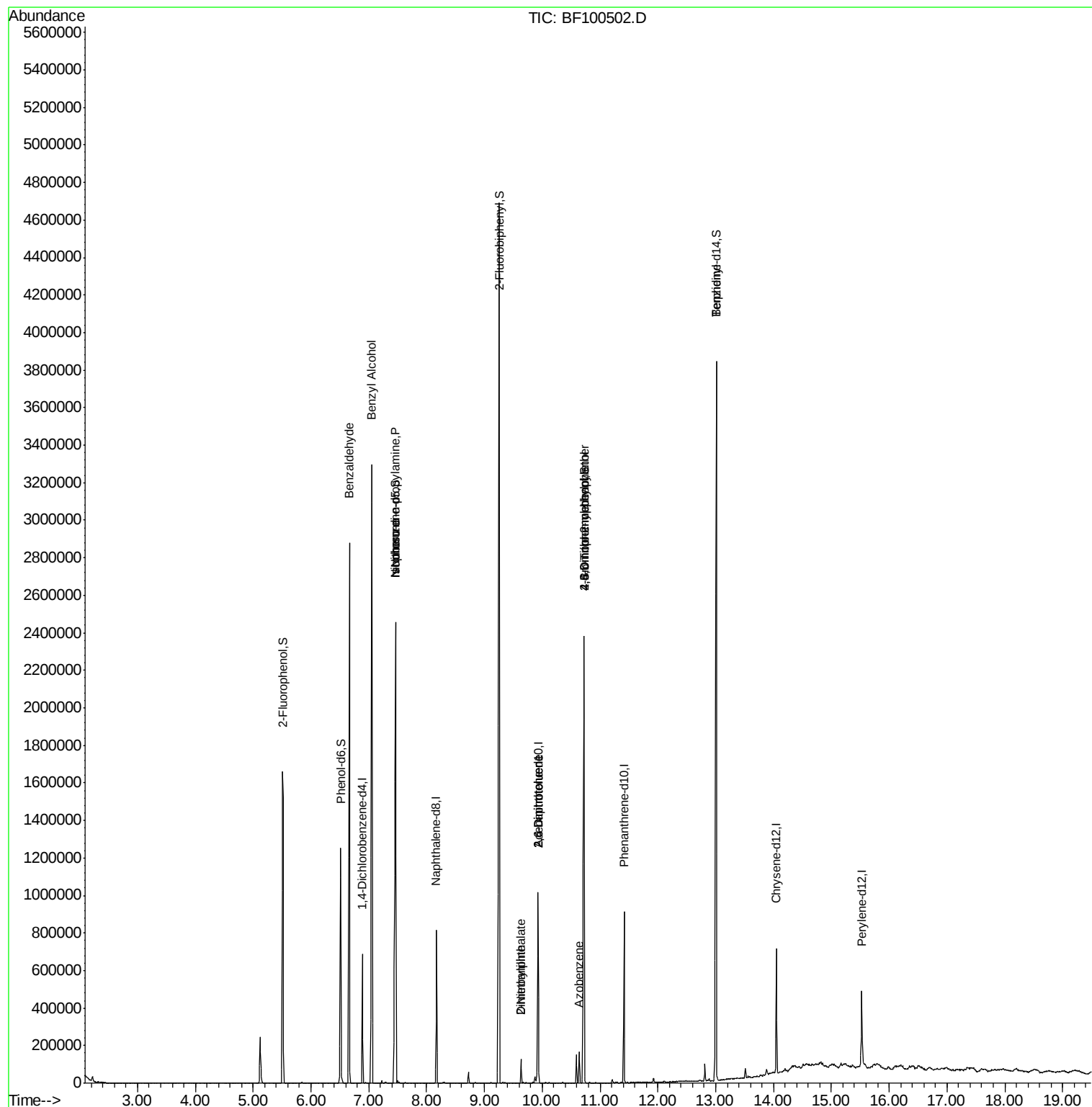
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	18390	3.306	ng	# 80
15) Benzyl Alcohol	7.05	79	16773	2.759	ng	# 48
19) n-Nitroso-di-n-propylamine	7.46	70	150441	27.852	ng	# 80
25) Isophorone	7.46	82	1096993	88.889	ng	# 64
47) 2-Nitroaniline	9.63	65	252	2.853	ng	# 1
49) Dimethylphthalate	9.63	163	46348	3.258	ng	# 98
50) 2,6-Dinitrotoluene	9.93	165	23125	8.213	ng	# 26
56) 2,4-Dinitrotoluene	9.93	165	23125	6.511	ng	# 23
62) Azobenzene	10.64	77	27238	2.032	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	586	8.854	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	21296	5.912	ng	# 1
76) Benzidine	13.01	184	21464	2.346	ng	# 91

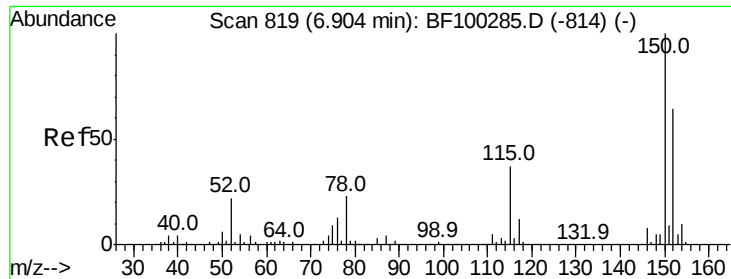
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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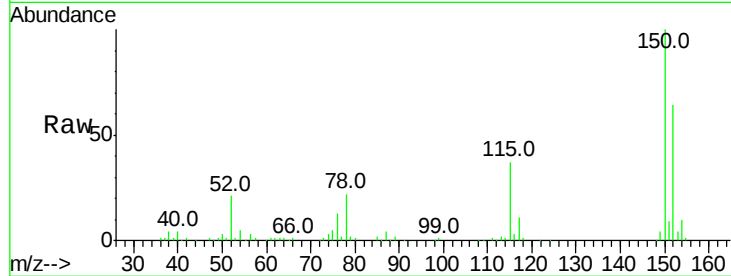


#1

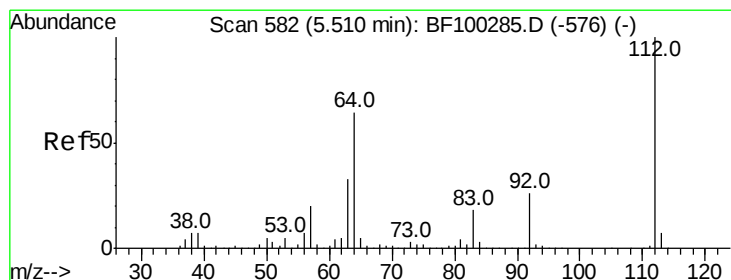
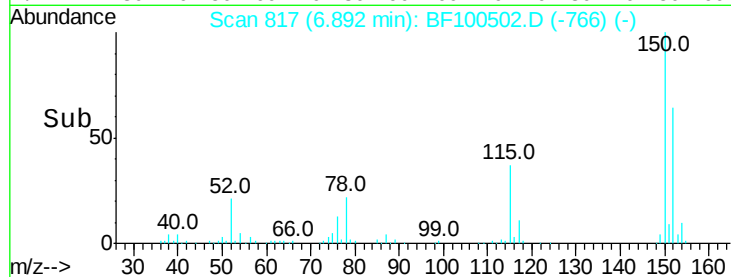
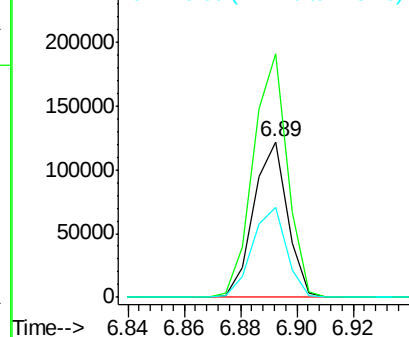
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 101248
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 57.6 50.1 75.1



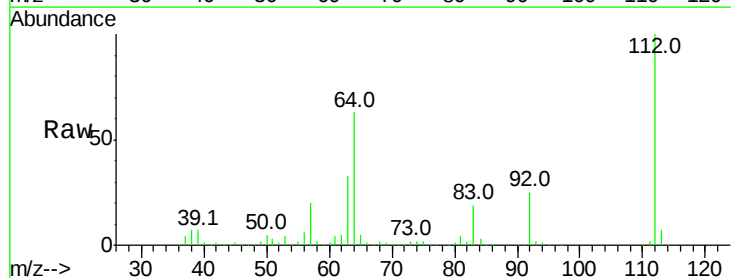
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



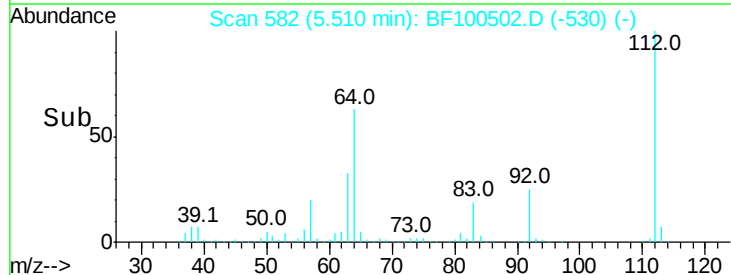
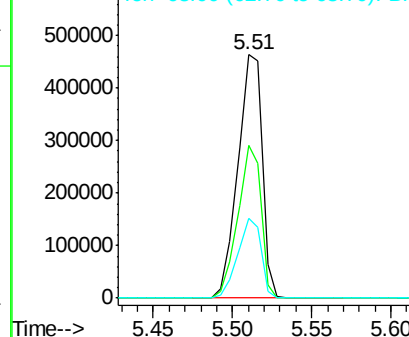
#5

2-Fluorophenol
Concen: 78.035 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

Tgt Ion:112 Resp: 492888
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 32.8 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: 52.399 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampled :

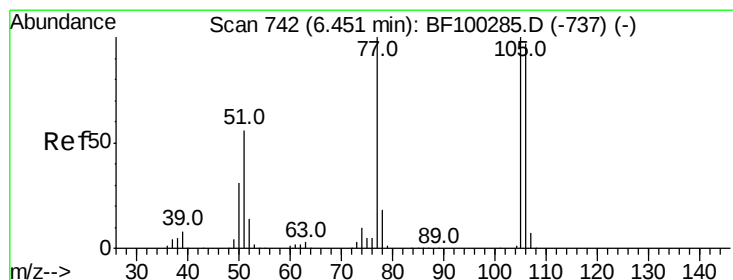
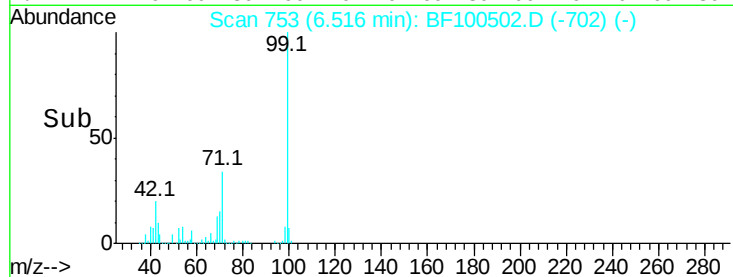
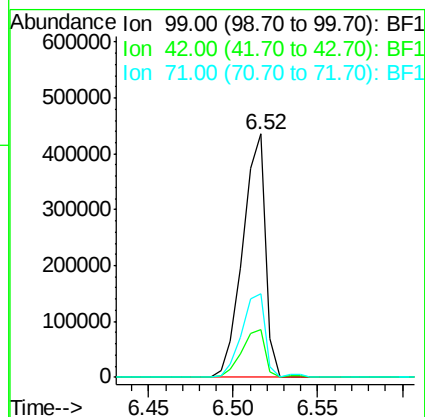
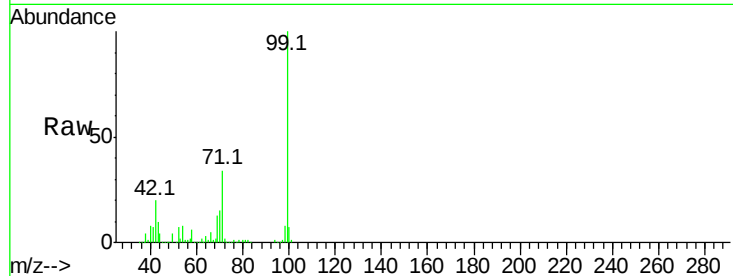
Tot Ion: 99 Resp: 408120

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 34.3 25.4 38.0



#9

Benzaldehyde

Concen: 3.306 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.22 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

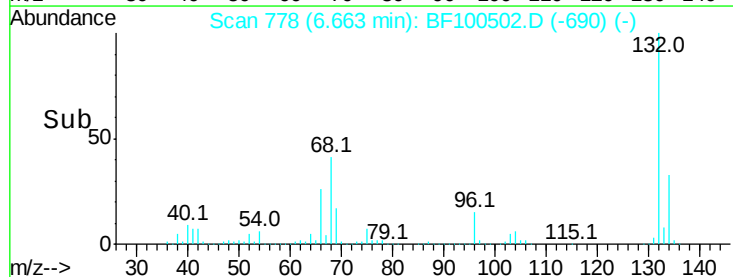
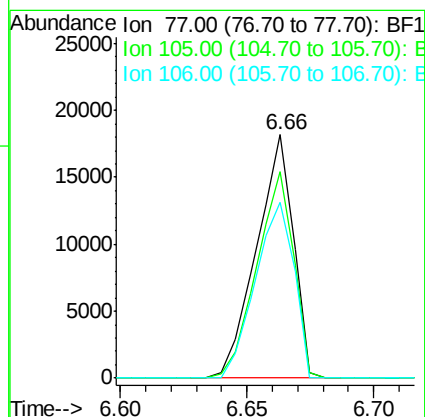
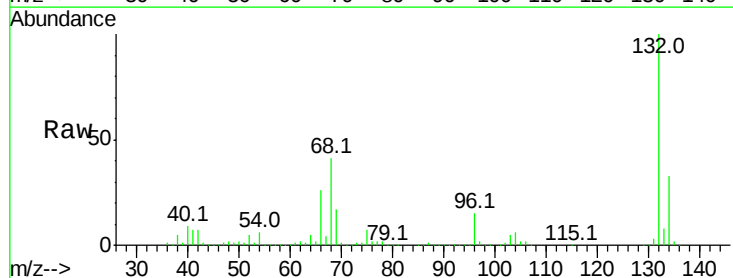
Tgt Ion: 77 Resp: 18390

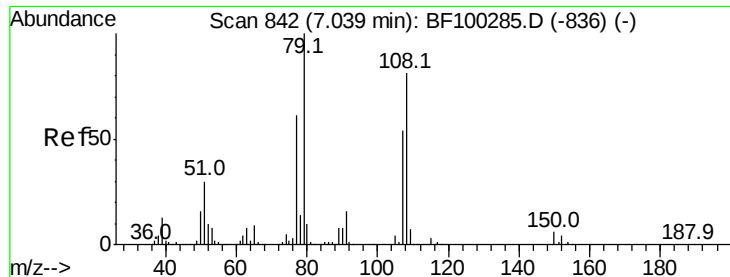
Ion Ratio Lower Upper

77 100

105 84.6 81.1 121.1

106 72.2 74.5 114.5#





#15

Benzyl Alcohol

Concen: 2.759 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.02 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

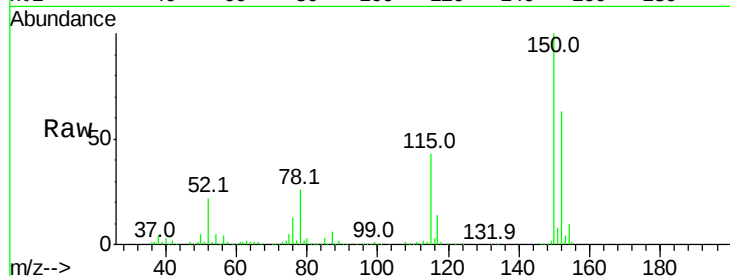
Tot Ion: 79 Resp: 16773

Ion Ratio Lower Upper

79 100

108 27.8 65.1 97.7#

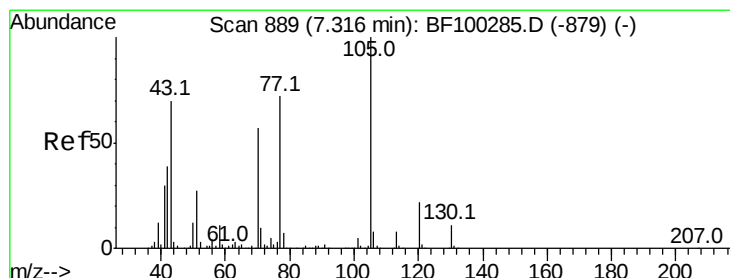
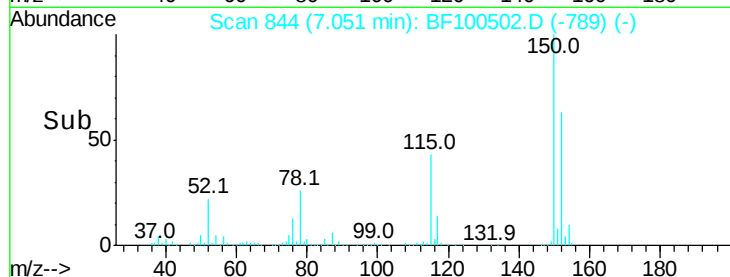
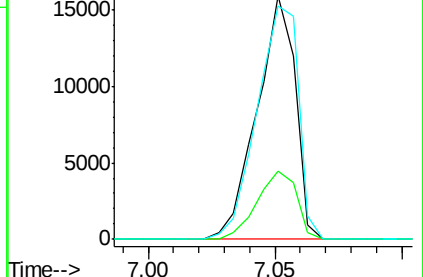
77 95.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 27.852 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.16 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Tgt Ion: 70 Resp: 150441

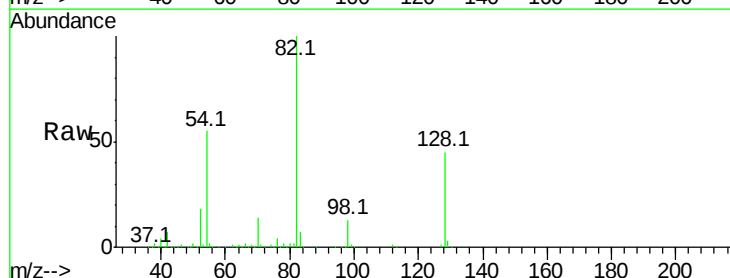
Ion Ratio Lower Upper

70 100

42 50.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

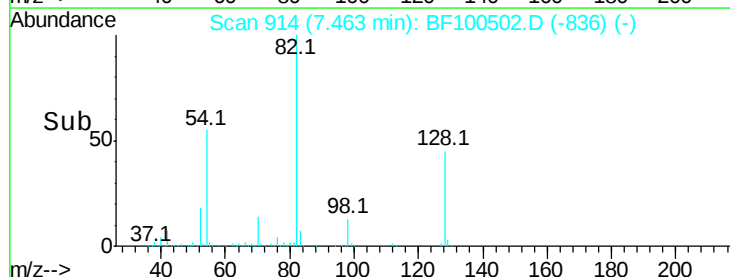
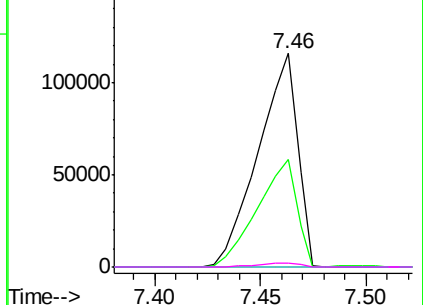


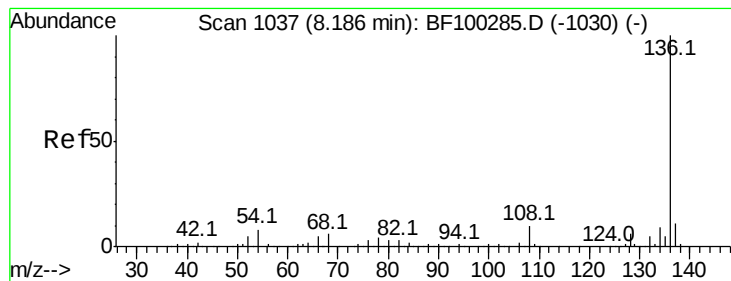
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 388269

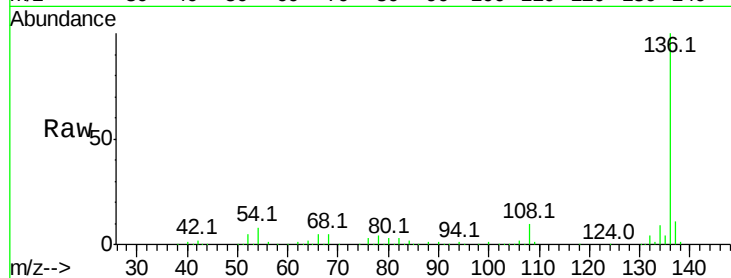
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.2 6.6 9.8

68 4.7 5.0 7.4#

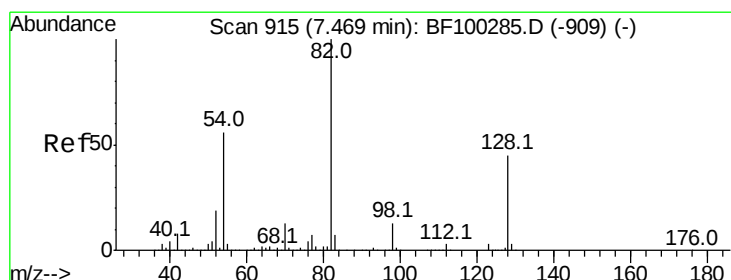
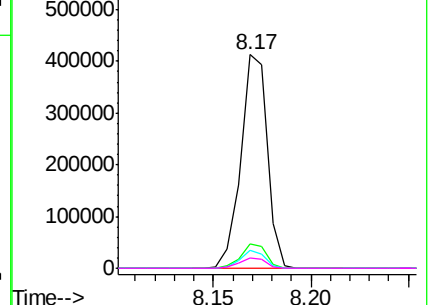
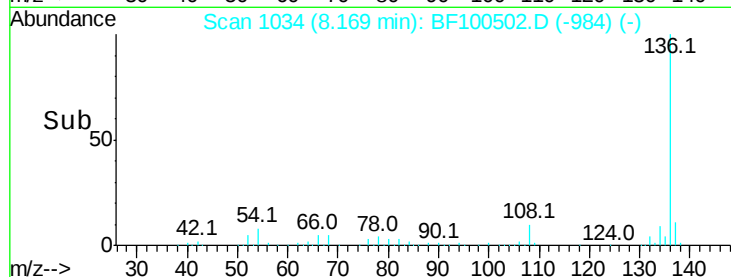


Abundance Ion 136.00 (135.70 to 136.70): E

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: 186.795 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

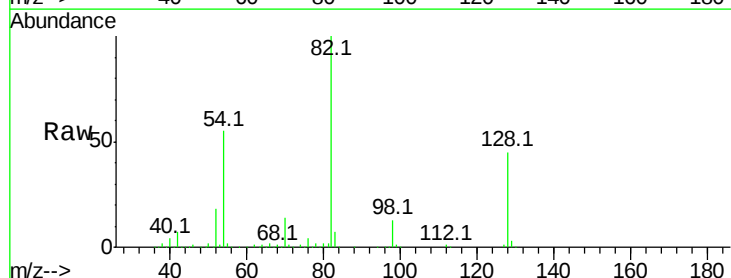
Tgt Ion: 82 Resp: 1097008

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

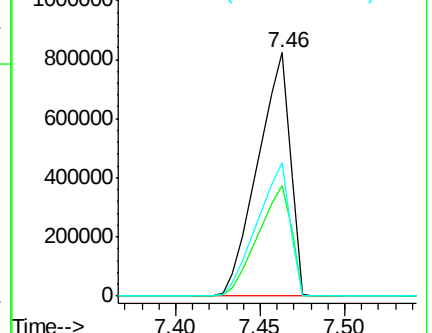
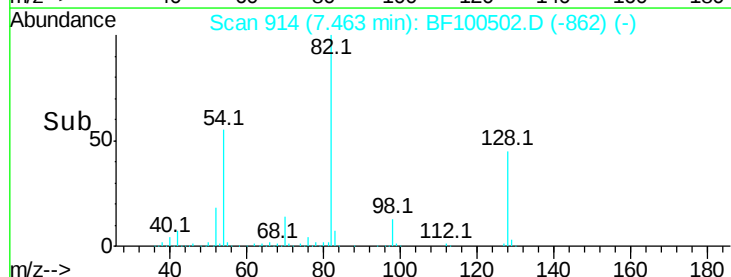
54 54.9 41.4 62.2

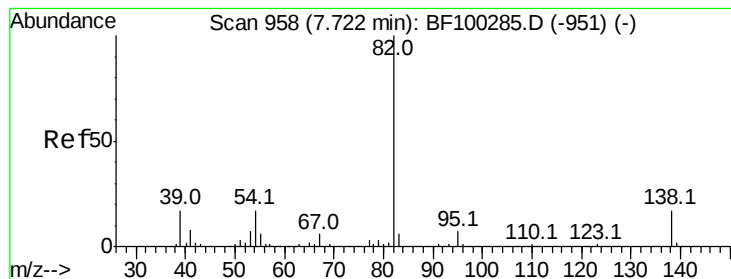


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 88.889 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.25 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampled :

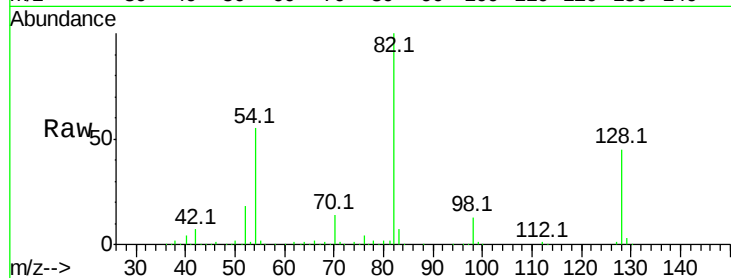
Tot Ion: 82 Resp: 1096993

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

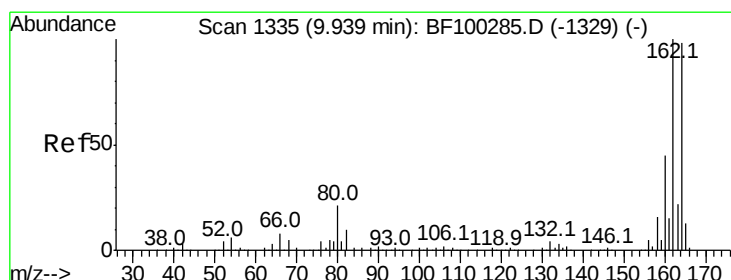
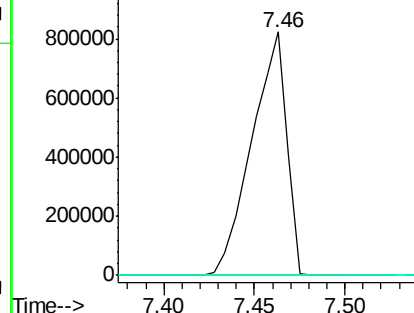
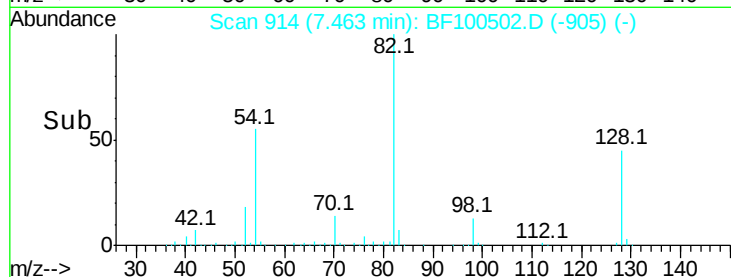
138 0.0 14.9 22.3#



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: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

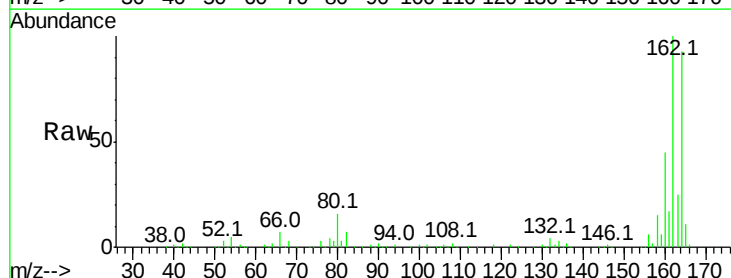
Tgt Ion:164 Resp: 186294

Ion Ratio Lower Upper

164 100

162 107.4 86.1 129.1

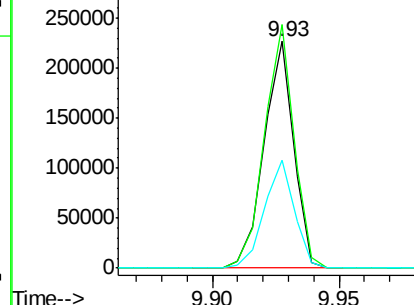
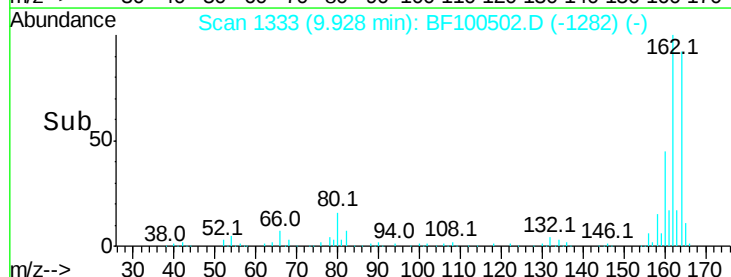
160 47.8 38.3 57.5

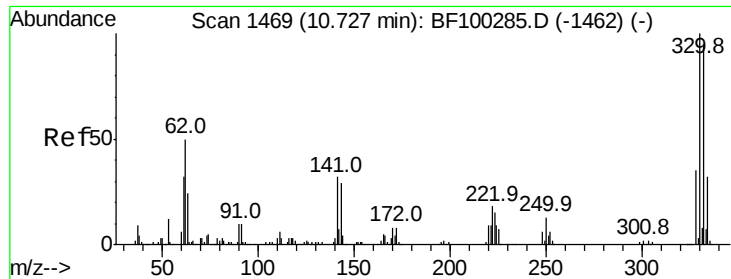


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

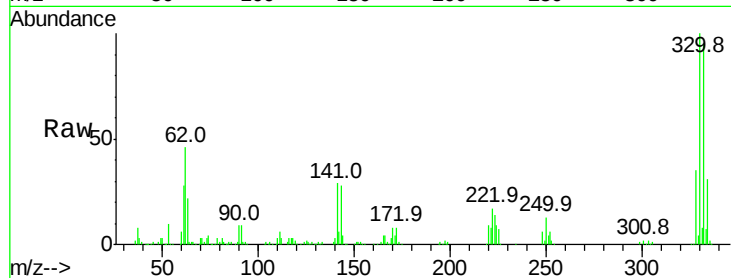




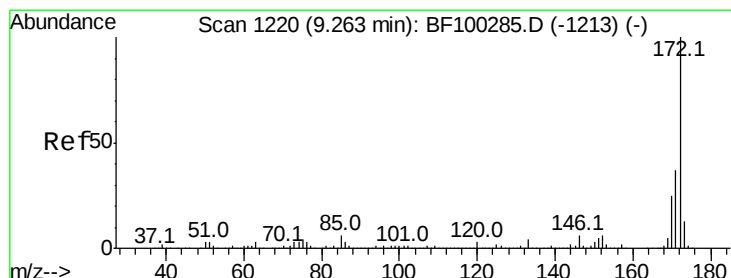
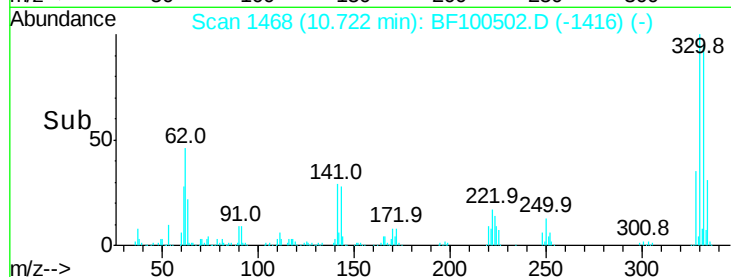
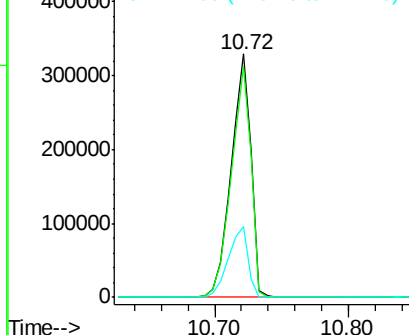
#41
 2,4,6-Tribromophenol
 Concen: 181.795 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF100502.D
 Acq: 13 Nov 2017 15:02

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 345109
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 29.1 29.9 44.9#

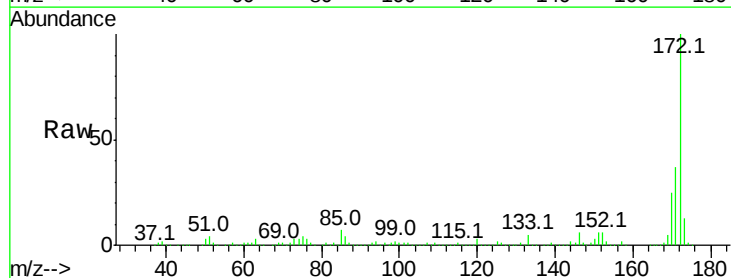


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

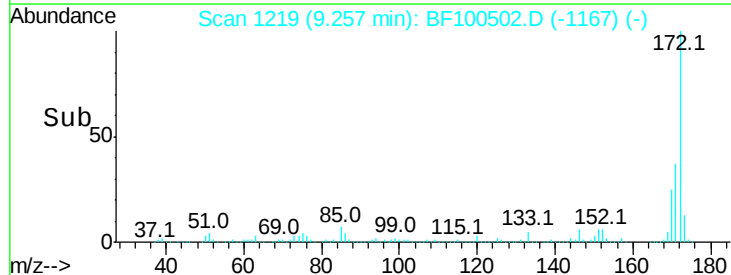
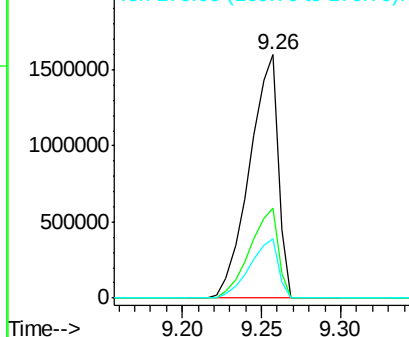


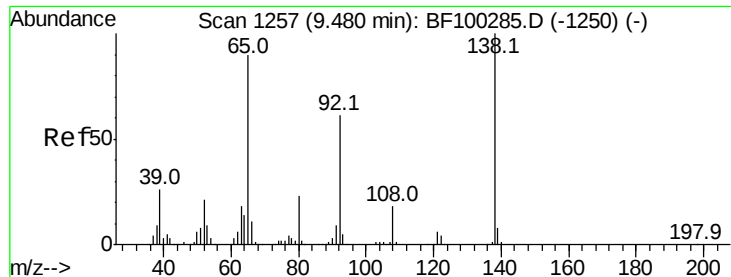
#44
 2-Fluorobiphenyl
 Concen: 164.618 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF100502.D
 Acq: 13 Nov 2017 15:02

Tgt Ion:172 Resp: 2014001
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.5 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

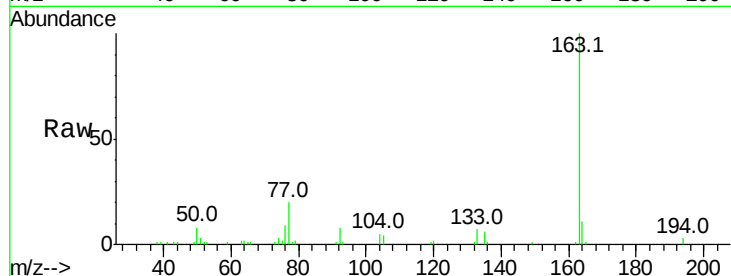




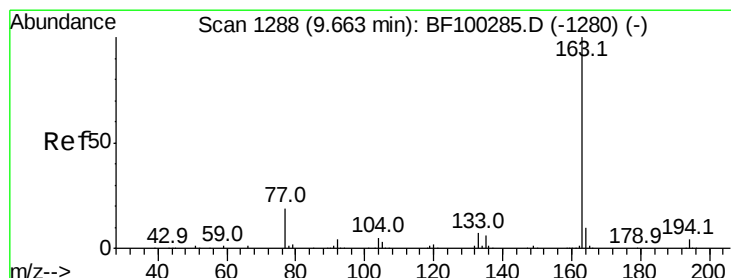
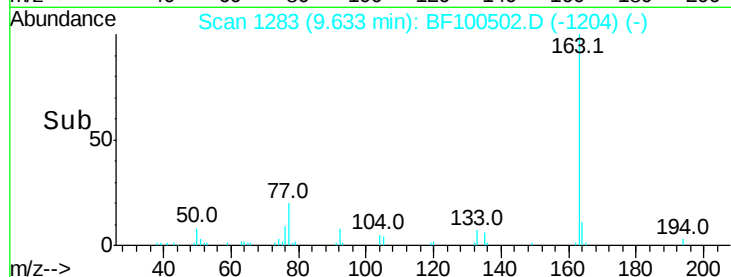
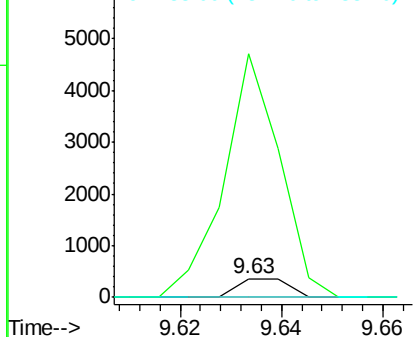
#47
2-Nitroaniline
Concen: 2.853 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.16 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 252
Ion Ratio Lower Upper
65 100
92 1319.0 55.8 83.6#
138 0.0 91.2 136.8#

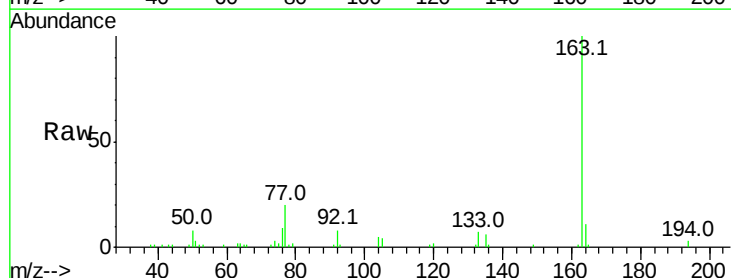


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

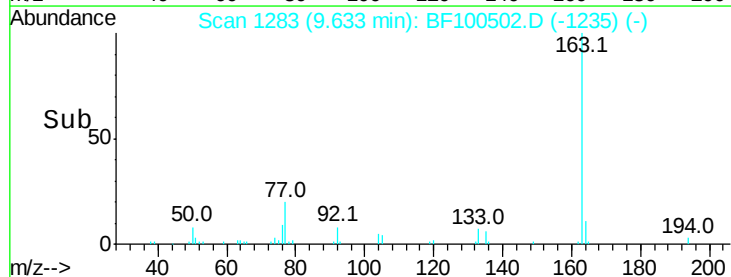
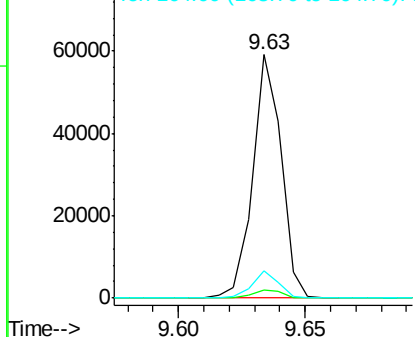


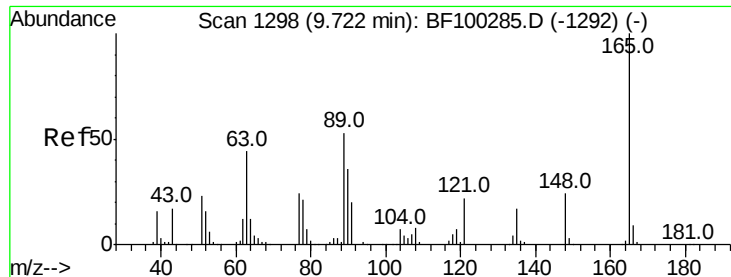
#49
Dimethylphthalate
Concen: 3.258 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

Tgt Ion:163 Resp: 46348
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 11.0 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

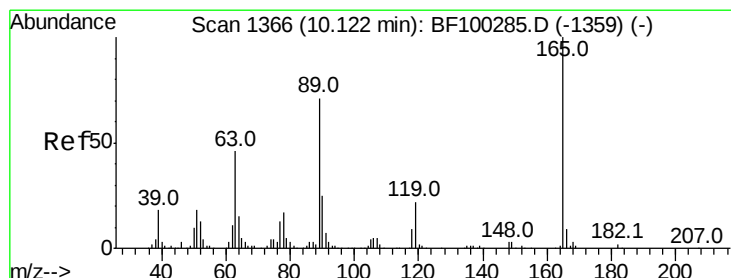
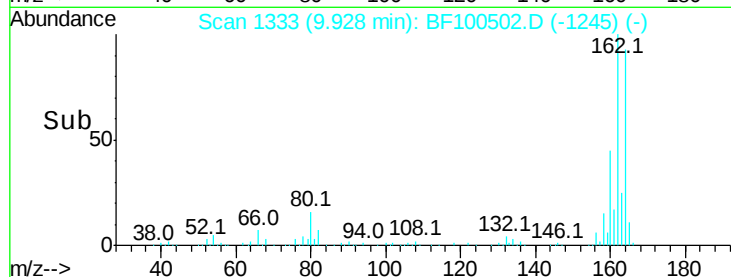
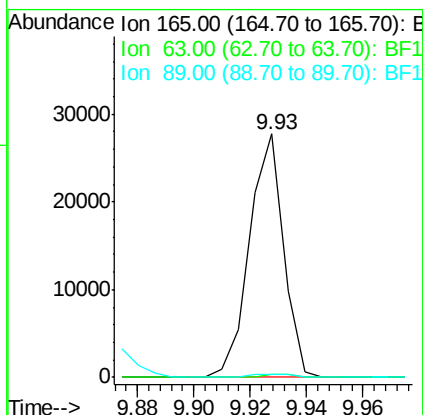
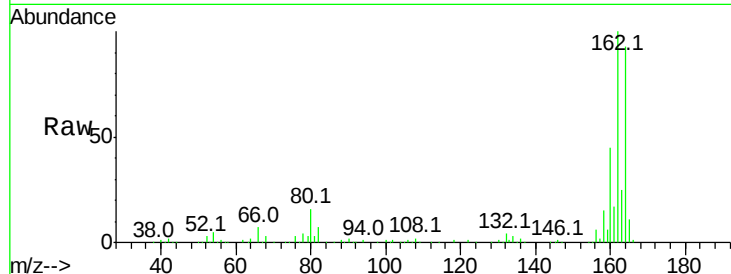




#50
2,6-Dinitrotoluene
Concen: 8.213 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.22 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

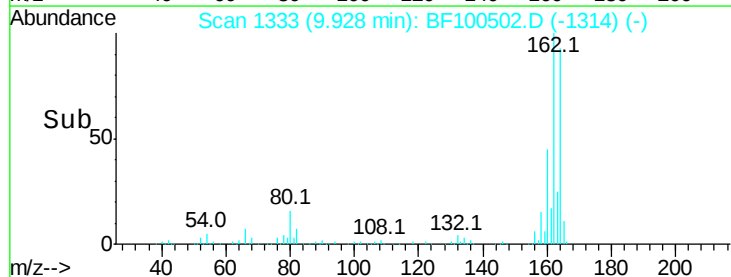
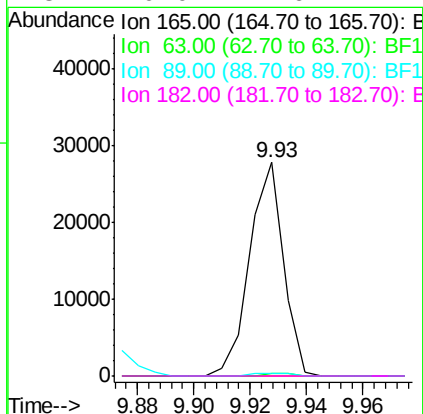
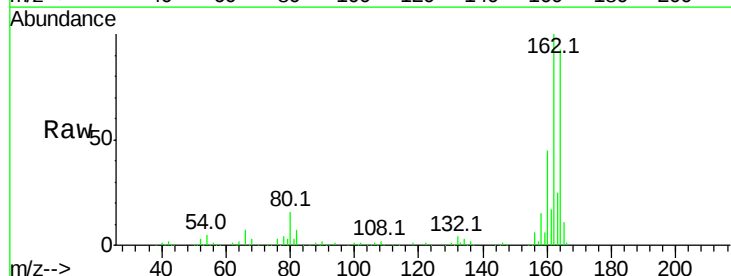
Instrument :
BNA_F
ClientSampleId :

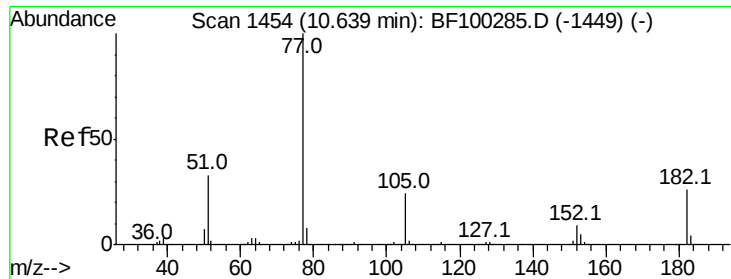
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.511 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

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

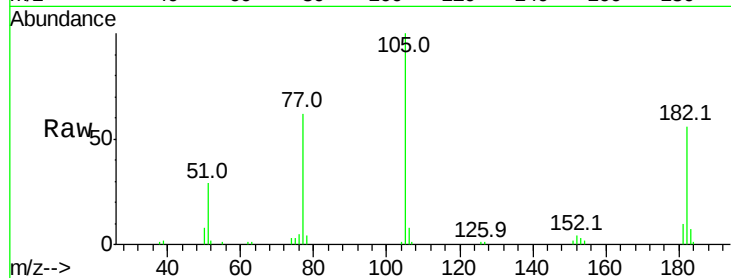




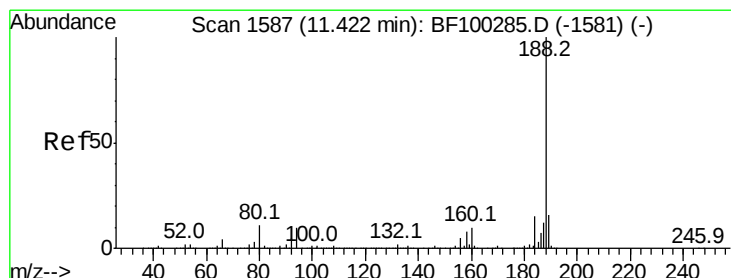
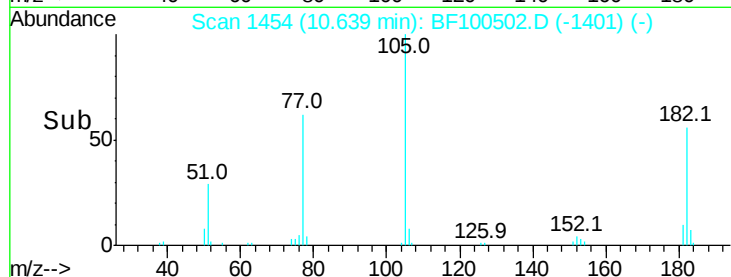
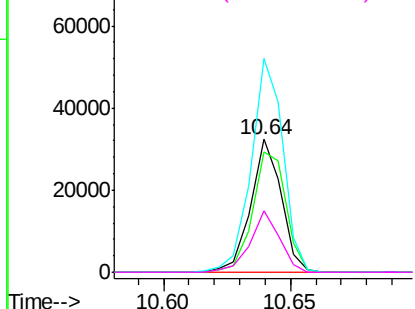
#62
Azobenzene
Concen: 2.032 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 27238
Ion Ratio Lower Upper
77 100
182 90.5 1.7 41.7#
105 161.1 3.0 43.0#
51 45.9 9.9 49.9

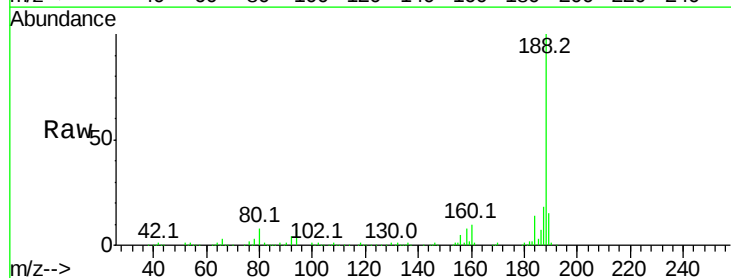


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

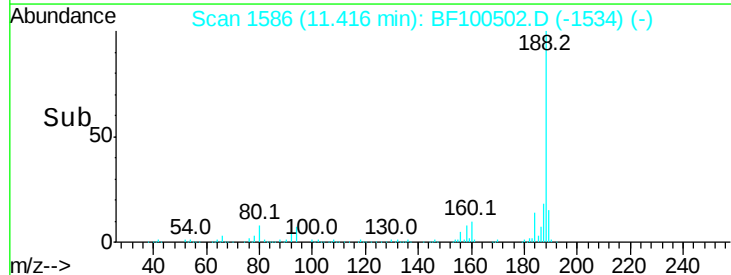
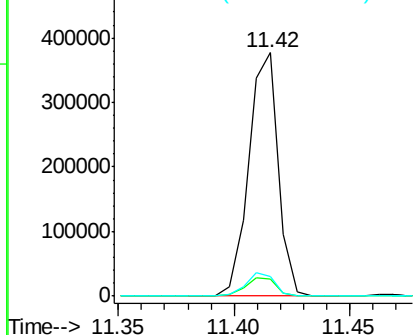


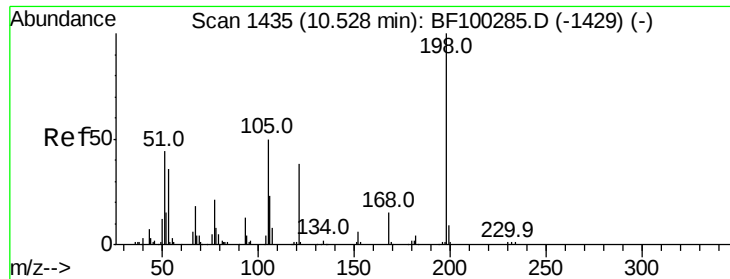
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF100502.D
Acq: 13 Nov 2017 15:02

Tgt Ion: 188 Resp: 336013
Ion Ratio Lower Upper
188 100
94 6.9 8.5 12.7#
80 8.0 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: 8.854 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampled :

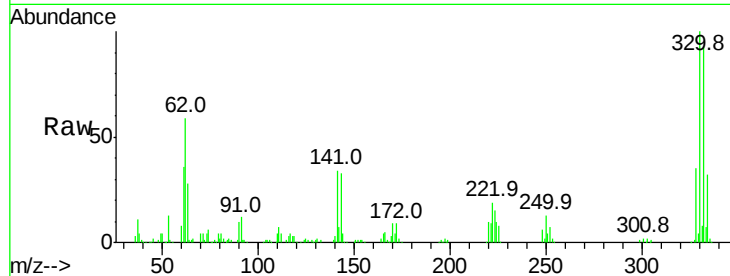
Tot Ion:198 Resp: 586

Ion Ratio Lower Upper

198 100

51 139.8 37.7 77.7#

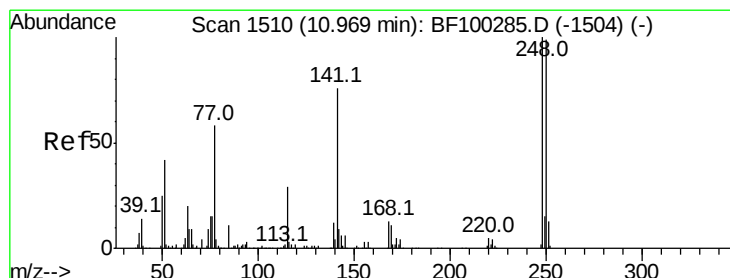
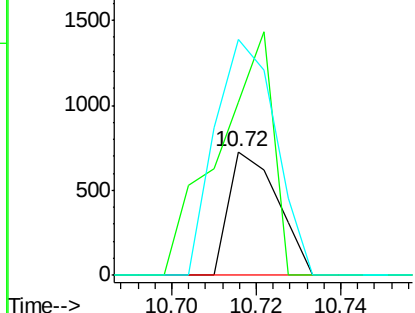
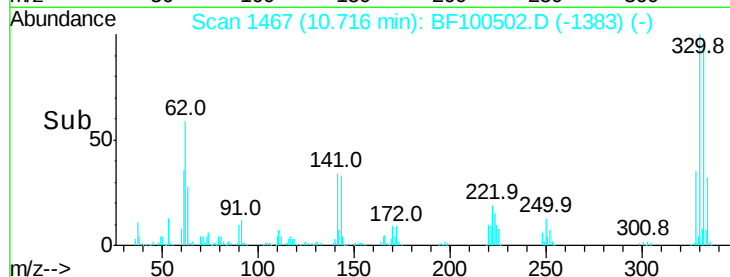
105 191.1 36.3 76.3#



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: 5.912 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

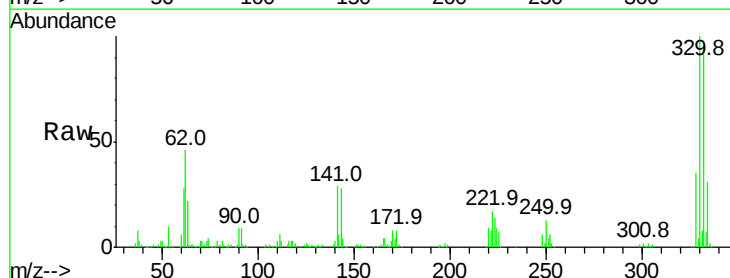
Tgt Ion:248 Resp: 21296

Ion Ratio Lower Upper

248 100

250 199.8 76.9 115.3#

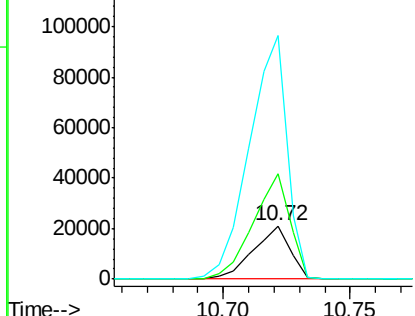
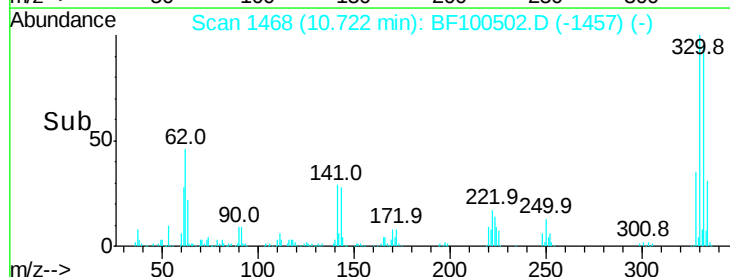
141 459.8 74.4 111.6#

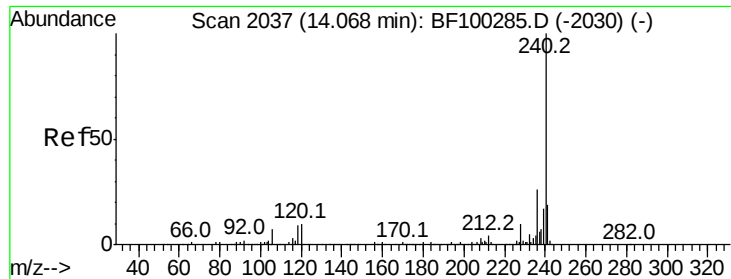


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

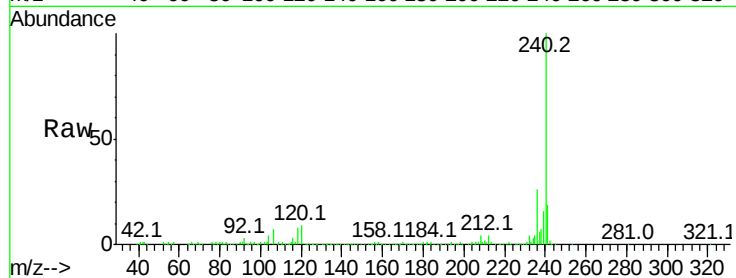
Tot Ion:240 Resp: 228414

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

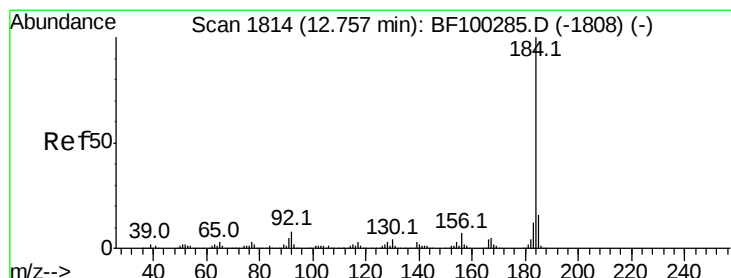
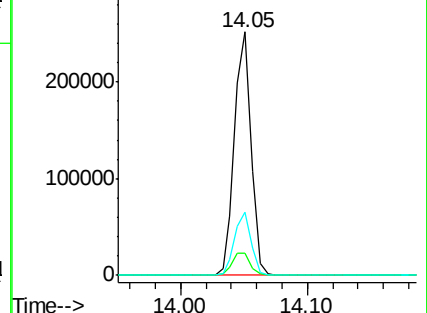
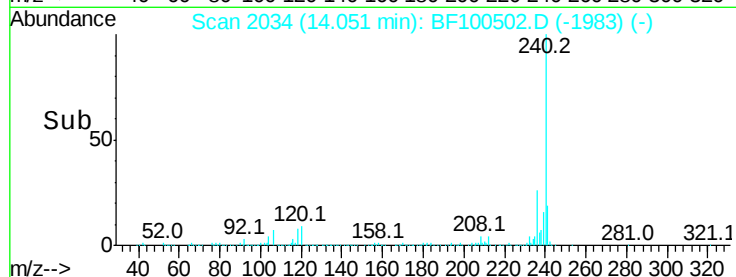
236 25.9 20.7 31.1



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



#76

Benzidine

Concen: 2.346 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.26 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

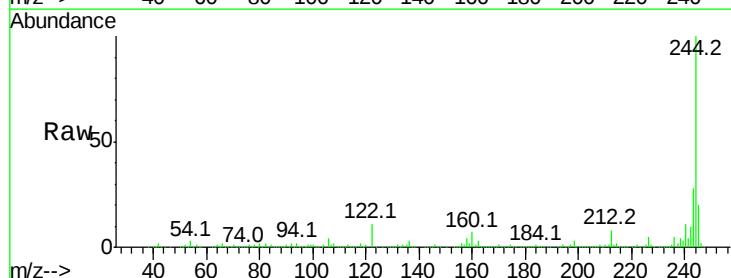
Tgt Ion:184 Resp: 21464

Ion Ratio Lower Upper

184 100

185 18.7 12.6 18.8

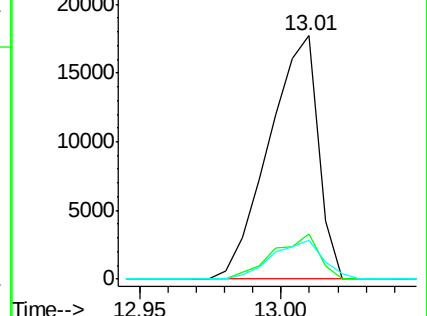
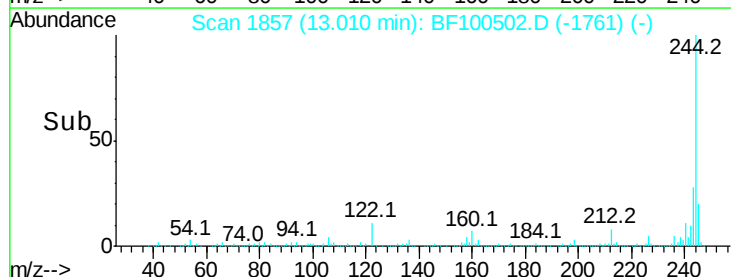
183 15.9 9.3 13.9#

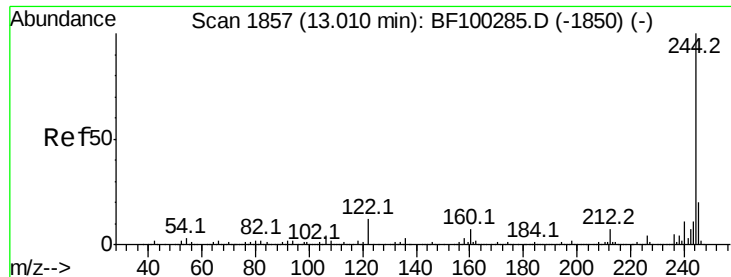


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 159.579 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

Instrument :

BNA_F

ClientSampleId :

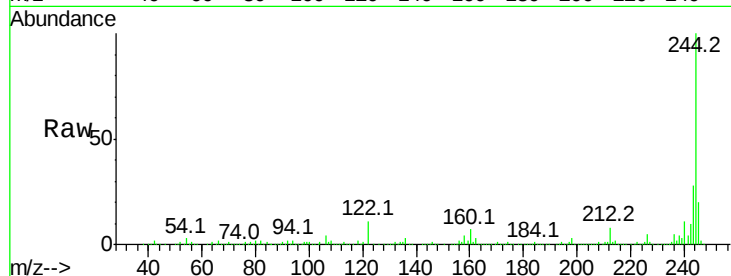
Tot Ion:244 Resp: 1586368

Ion Ratio Lower Upper

244 100

212 7.7 5.4 8.0

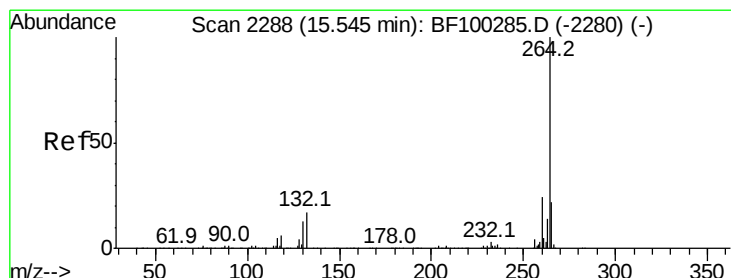
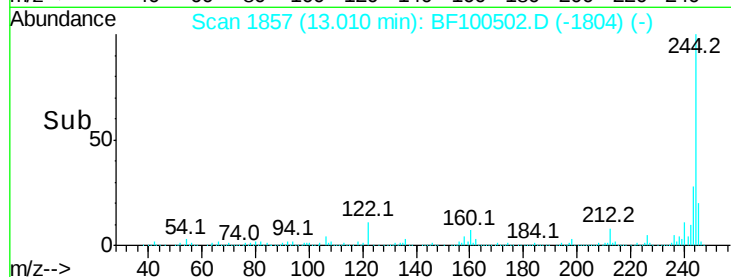
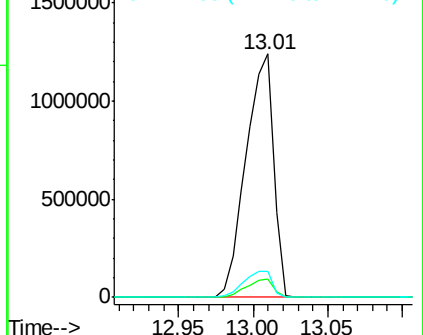
122 10.8 11.0 16.4#



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: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF100502.D

Acq: 13 Nov 2017 15:02

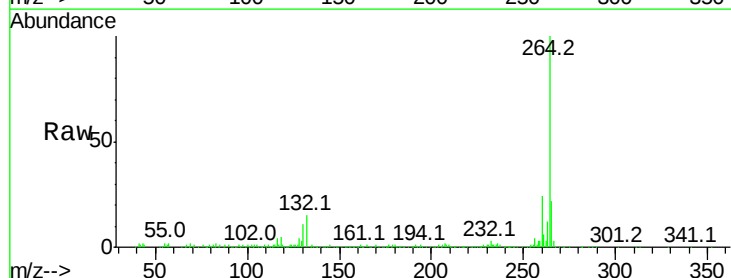
Tgt Ion:264 Resp: 188640

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.0 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

