

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100076.D
 Acq On : 2 Nov 2017 6:07
 Operator : SJ/JU
 Sample : I6226-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 07:22:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

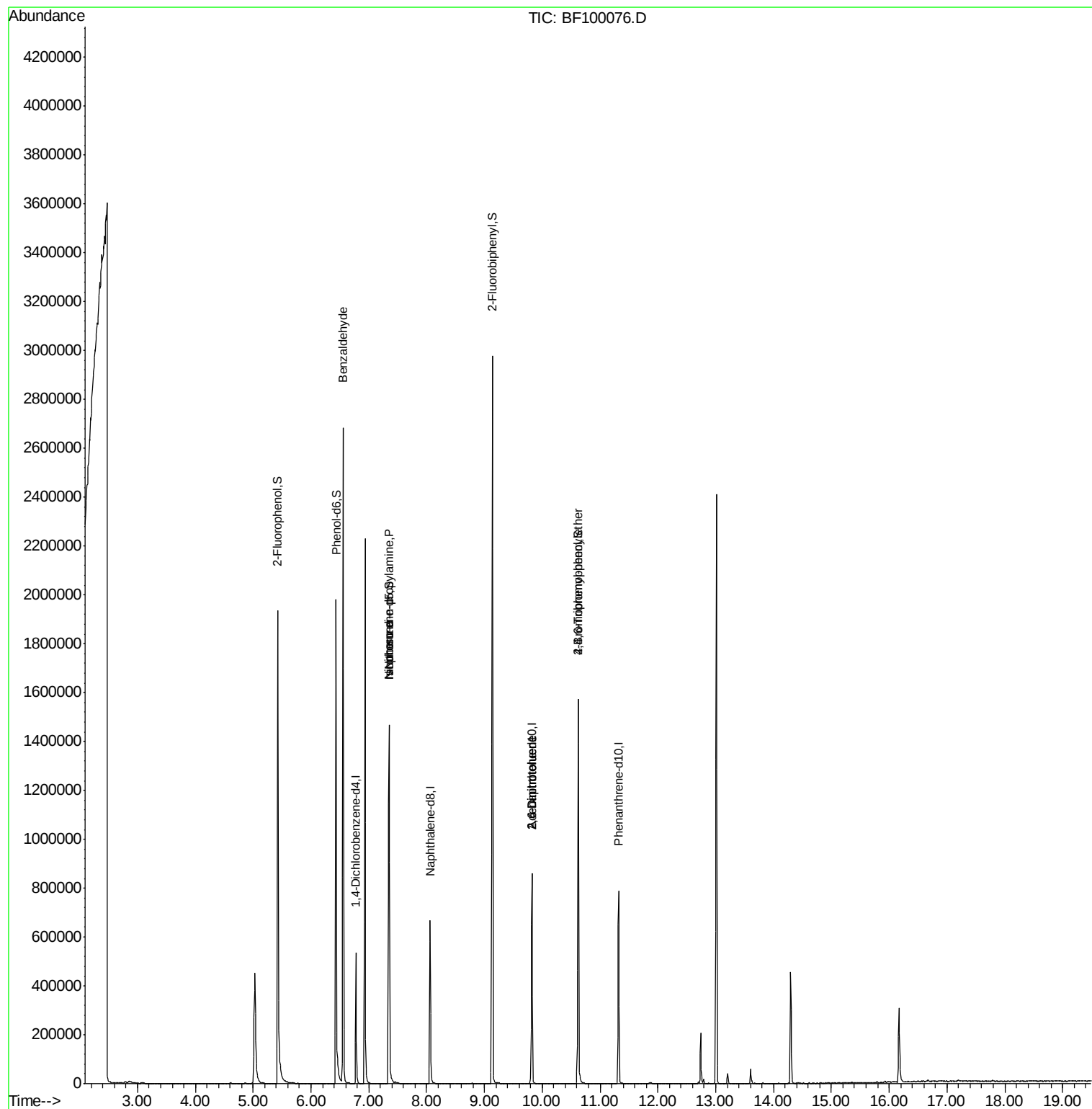
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	95766	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	395641	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	184947	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	303856	20.00	ng	0.01
75) Chrysene-d12	0.00	240	0	0.00	ng	-13.97
86) Perylene-d12	0.00	264	0	0.00	ng	-15.46
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	843131	138.22	ng	0.03
7) Phenol-d6	6.43	99	902098	124.72	ng	0.00
23) Nitrobenzene-d5	7.35	82	639811	104.11	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	253494	150.40	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	1349759	112.60	ng	0.00
78) Terphenyl-d14	13.02	244	1007887	0.00	ng	0.12
Target Compounds						
9) Benzaldehyde	6.56	77	15145	3.504	ng	91
19) n-Nitroso-di-n-propylamine	7.35	70	79869	18.843	ng	# 70
25) Isophorone	7.35	82	639803	57.375	ng	# 64
50) 2,6-Dinitrotoluene	9.82	165	23628	7.674	ng	# 24
56) 2,4-Dinitrotoluene	9.82	165	23628	6.372	ng	# 22
66) 4-Bromophenyl-phenylether	10.62	248	16382	5.121	ng	# 1

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

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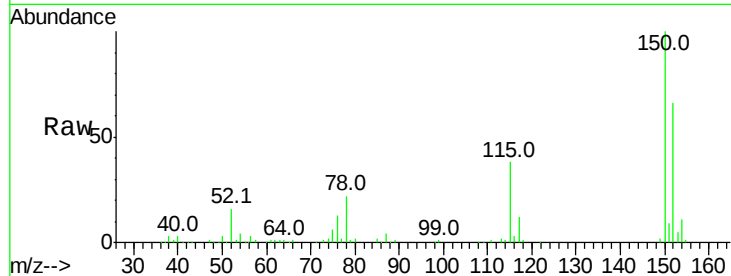


#1

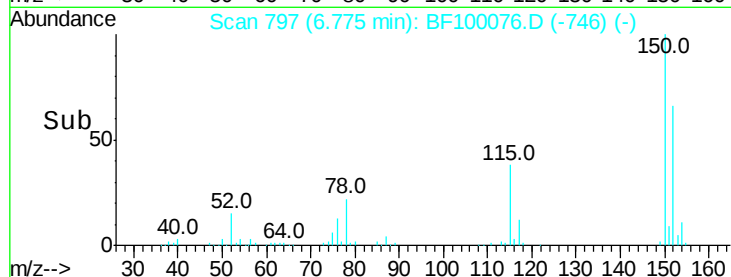
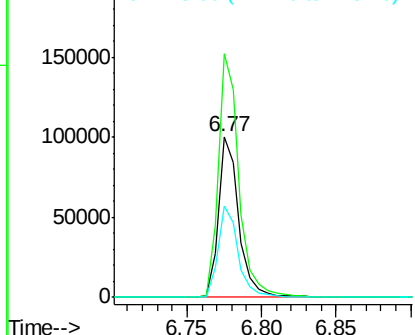
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.00 min
Lab File: BF100076.D
Acq: 2 Nov 2017 6:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95766
Ion Ratio Lower Upper
152 100
150 151.6 124.6 186.8
115 57.2 50.1 75.1



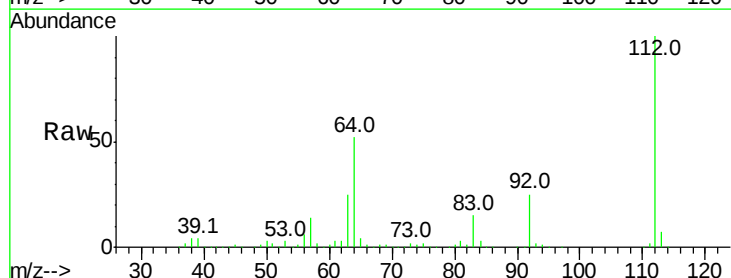
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



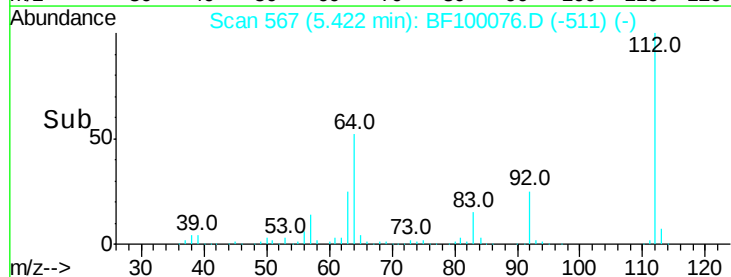
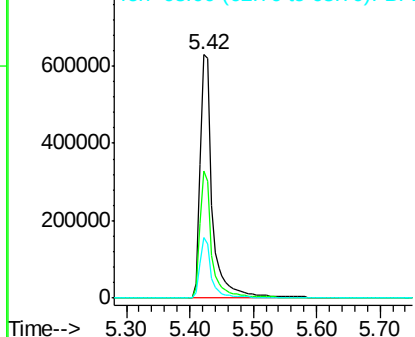
#5

2-Fluorophenol
Concen: 138.221 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.03 min
Lab File: BF100076.D
Acq: 2 Nov 2017 6:07

Tgt Ion:112 Resp: 843131
Ion Ratio Lower Upper
112 100
64 52.3 47.9 71.9
63 25.0 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: 124.724 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Instrument :

BNA_F

ClientSampled :

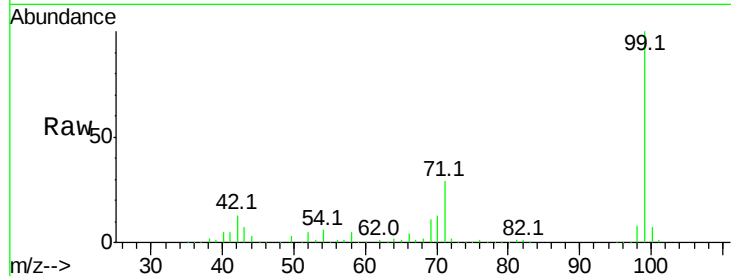
Tot Ion: 99 Resp: 902098

Ion Ratio Lower Upper

99 100

42 13.3 14.5 21.7#

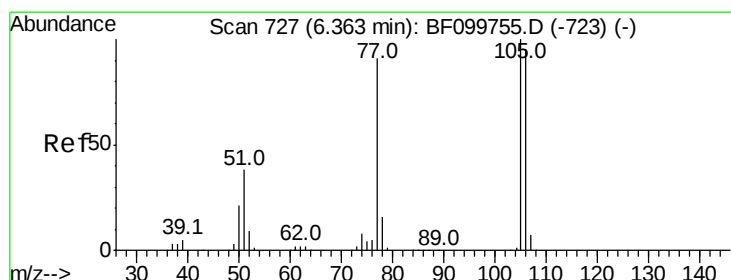
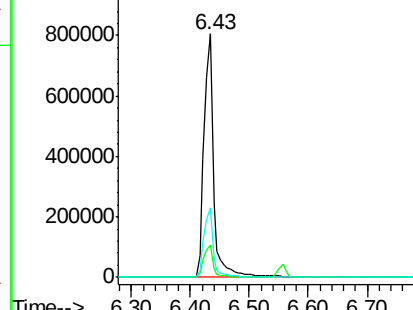
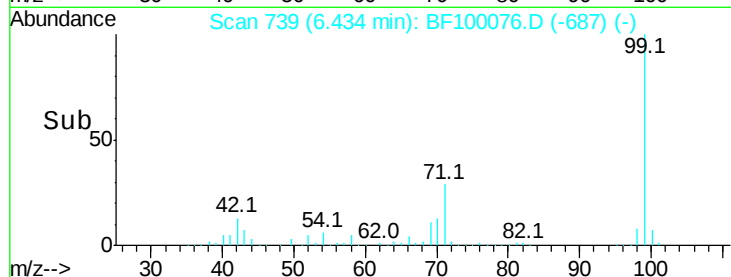
71 28.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 3.504 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.22 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

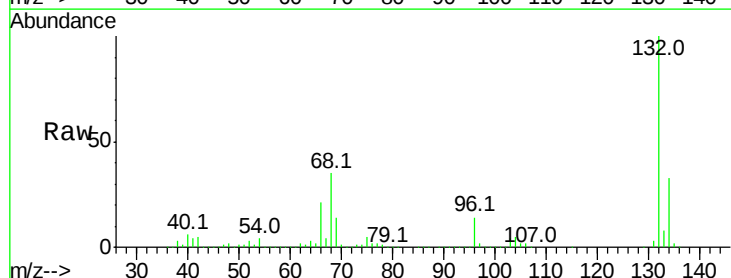
Tgt Ion: 77 Resp: 15145

Ion Ratio Lower Upper

77 100

105 87.0 81.1 121.1

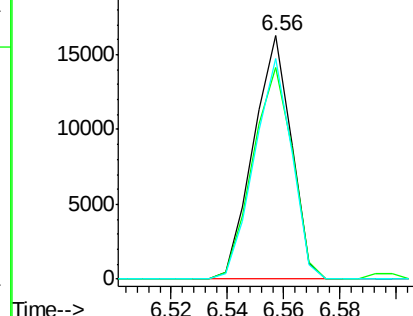
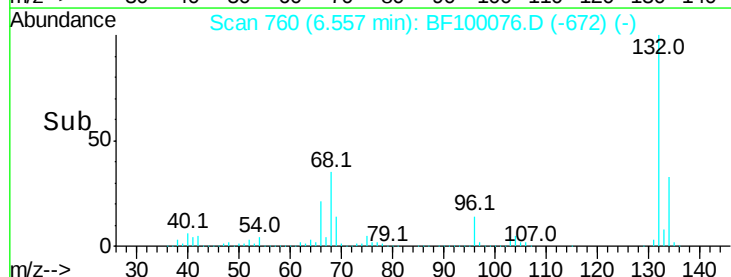
106 90.4 74.5 114.5

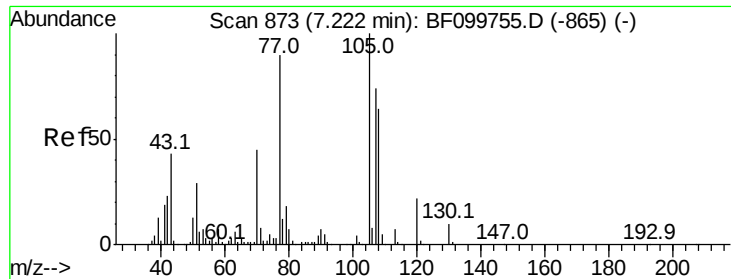


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 18.843 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.16 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 79869

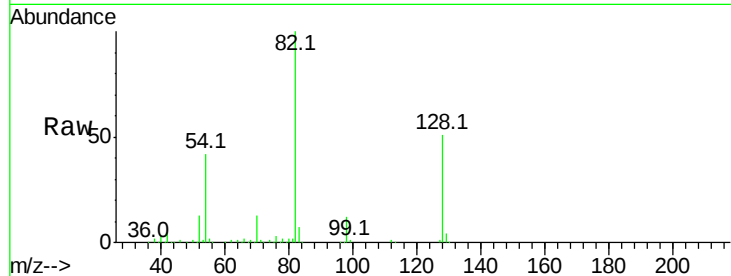
Ion Ratio Lower Upper

70 100

42 39.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

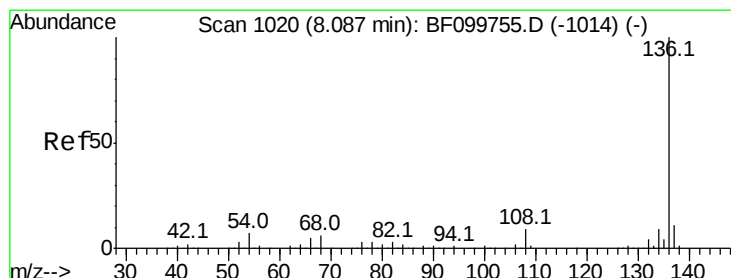
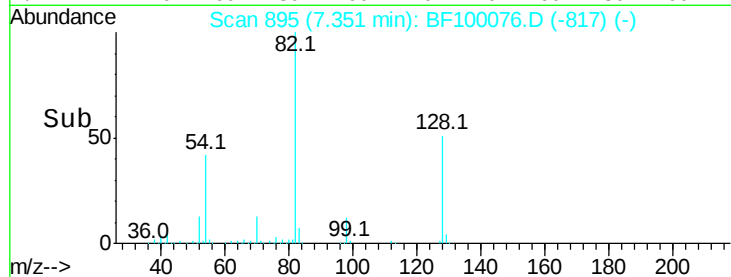
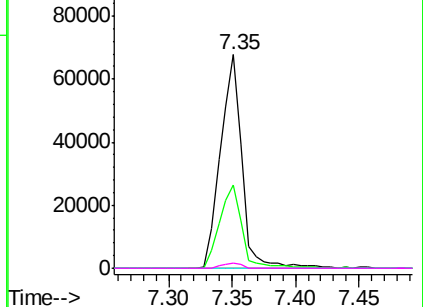


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.06 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Tgt Ion:136 Resp: 395641

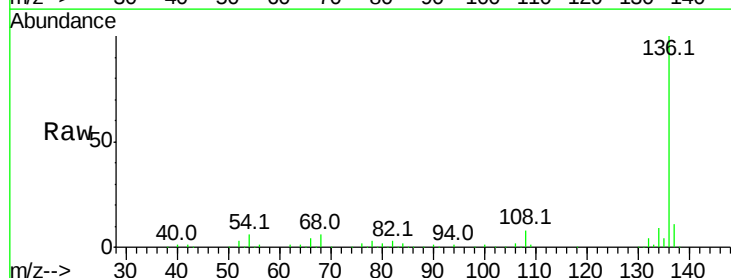
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 5.9 6.6 9.8#

68 5.6 5.0 7.4

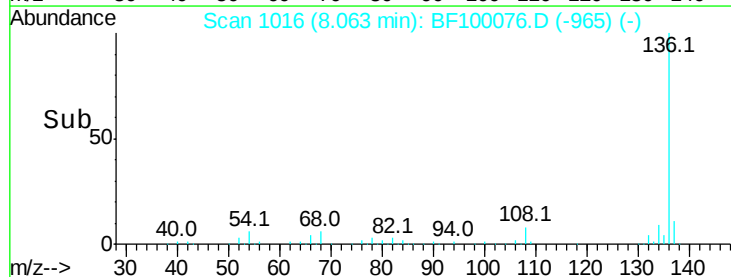
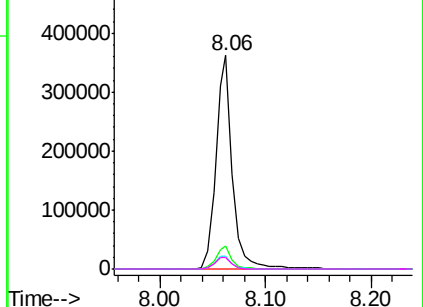


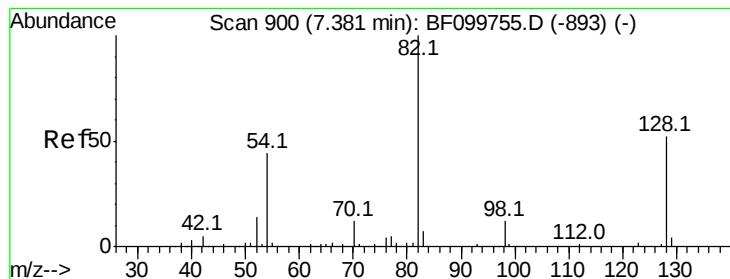
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 104.113 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Instrument :

BNA_F

ClientSampleId :

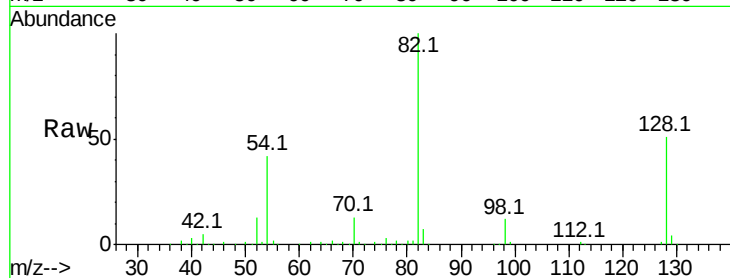
Tot Ion: 82 Resp: 639811

Ion Ratio Lower Upper

82 100

128 50.9 36.1 54.1

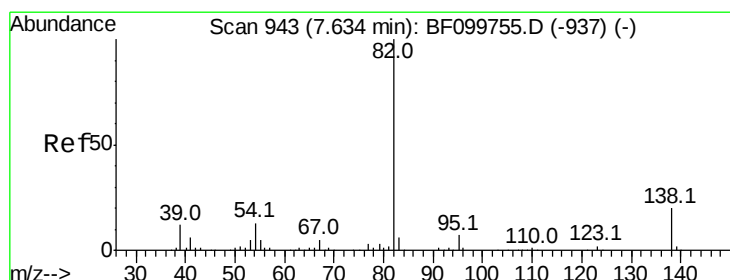
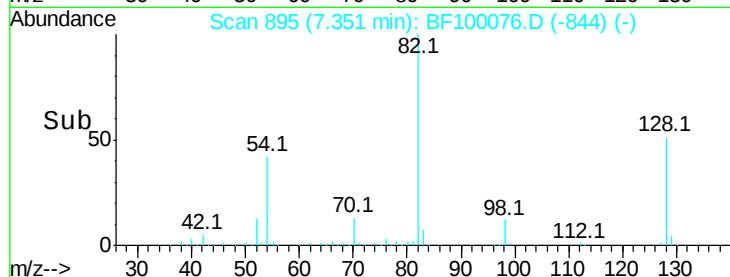
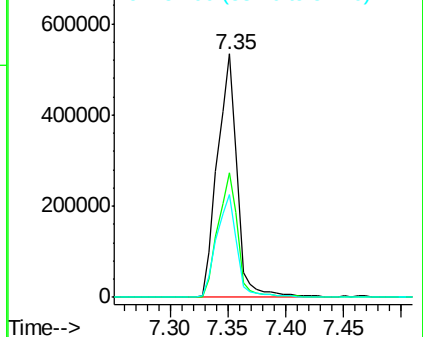
54 42.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 57.375 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.25 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

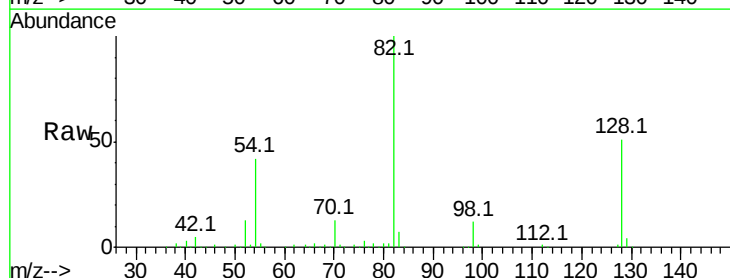
Tgt Ion: 82 Resp: 639803

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

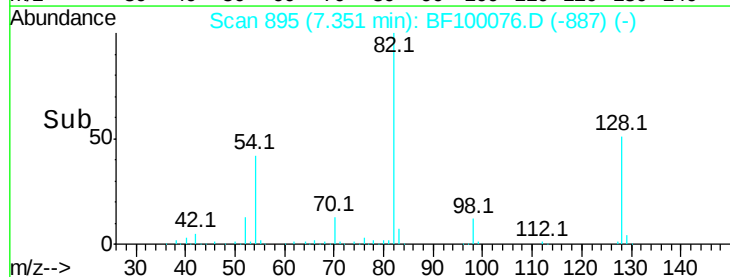
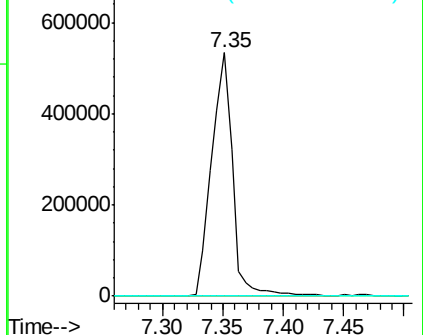
138 0.0 14.9 22.3#

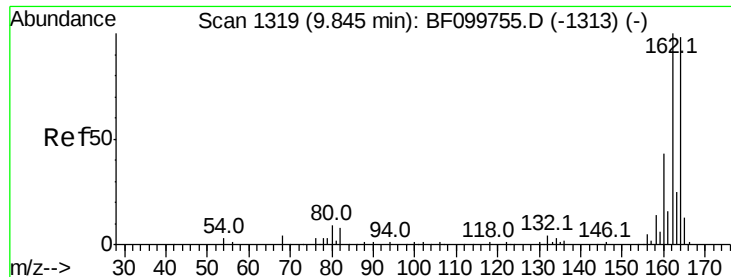


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

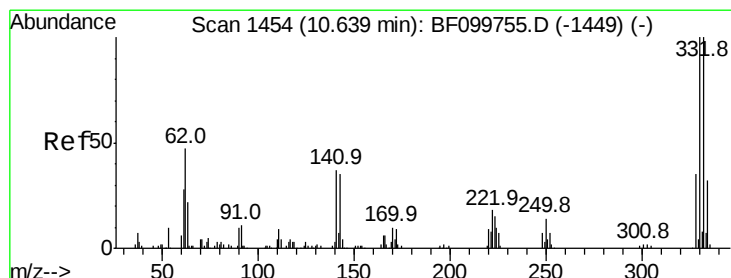
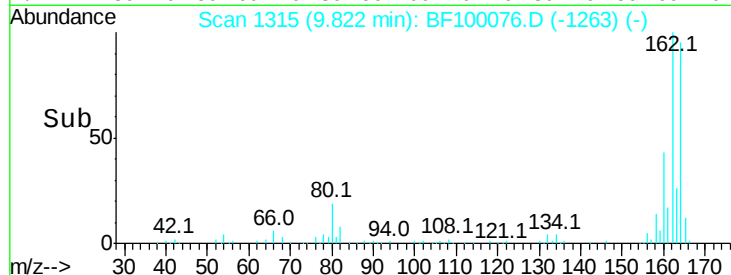
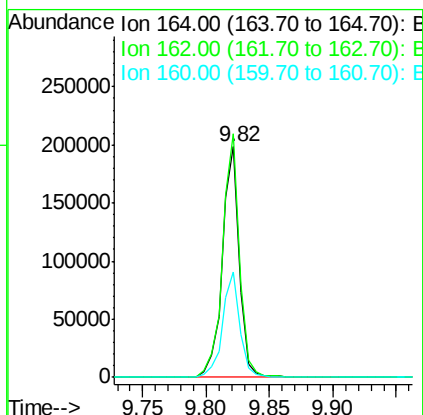
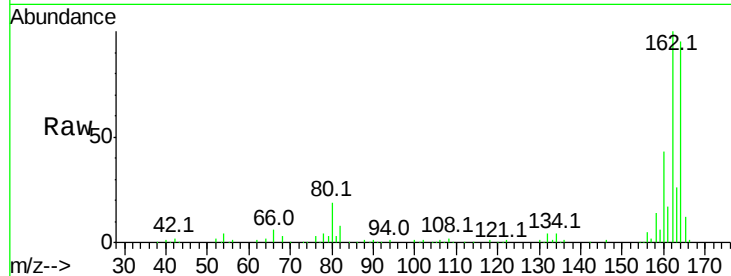




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: BF100076.D
 Acq: 2 Nov 2017 6:07

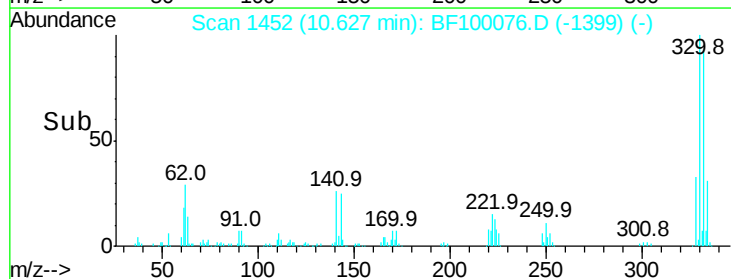
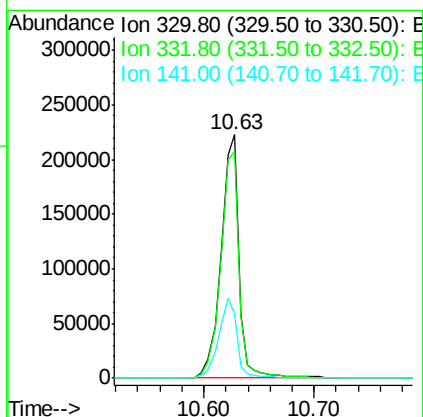
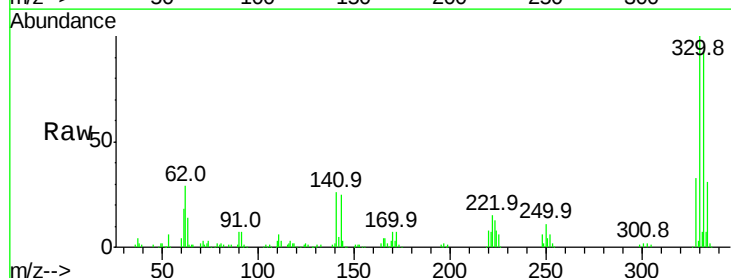
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 184947
 Ion Ratio Lower Upper
 164 100
 162 105.7 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 150.401 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100076.D
 Acq: 2 Nov 2017 6:07

Tgt Ion:330 Resp: 253494
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 33.6 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 112.598 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

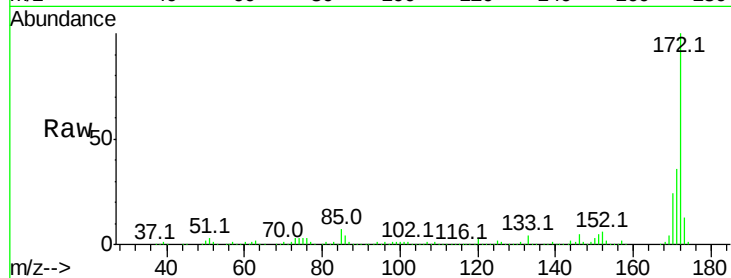
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 1349759

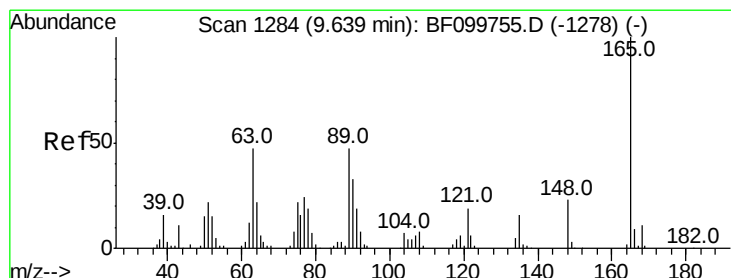
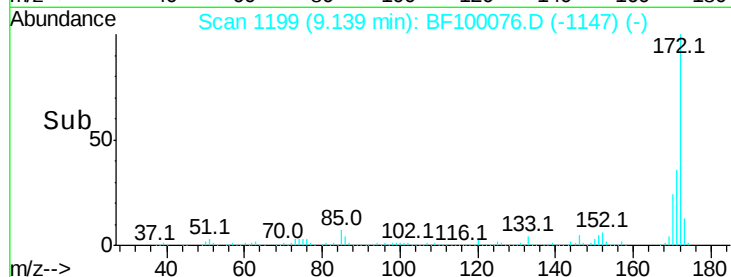
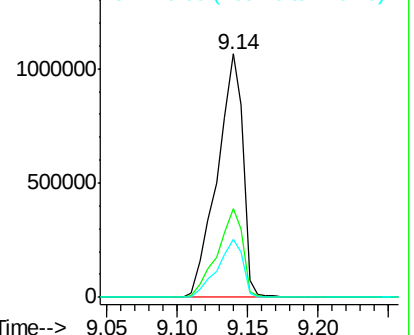
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.674 ng

RT: 9.82 min Scan# 1315

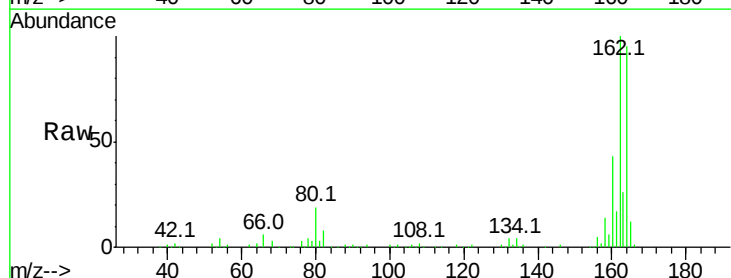
Delta R.T. 0.21 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Tgt Ion:165 Resp: 23628

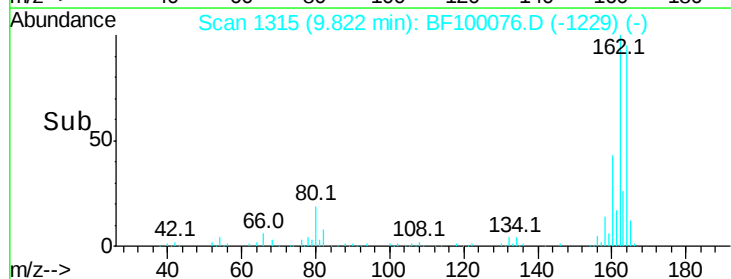
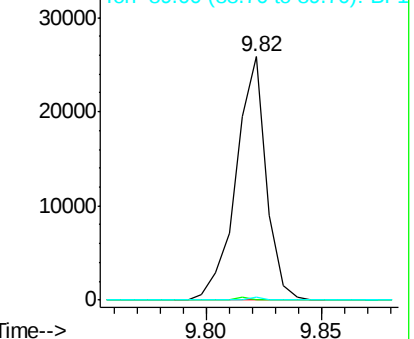
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.2	44.0	66.0#



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

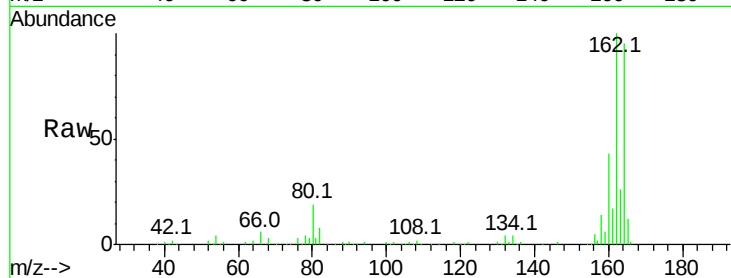




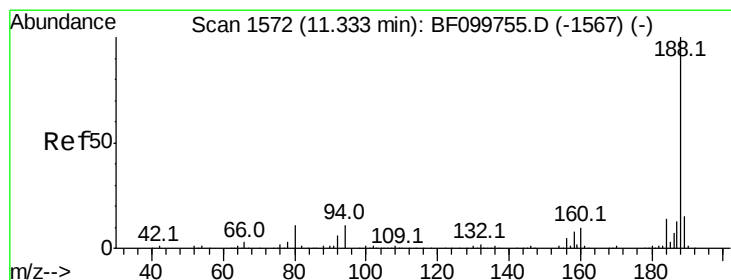
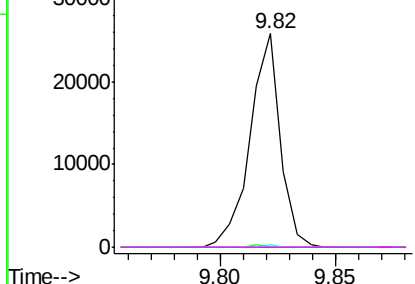
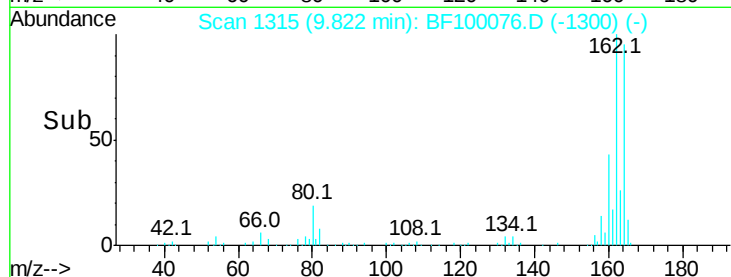
#56
 2,4-Dinitrotoluene
 Concen: 6.372 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.21 min
 Lab File: BF100076.D
 Acq: 2 Nov 2017 6:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 23628
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

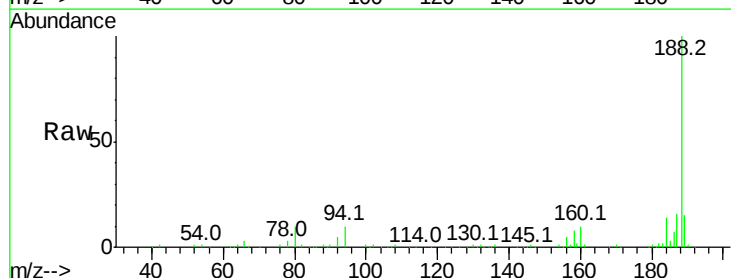


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

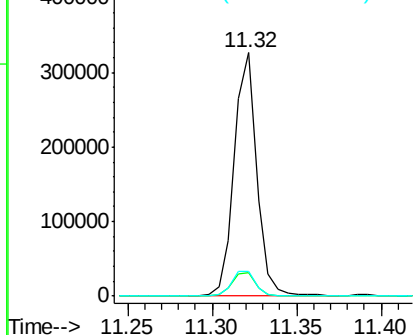
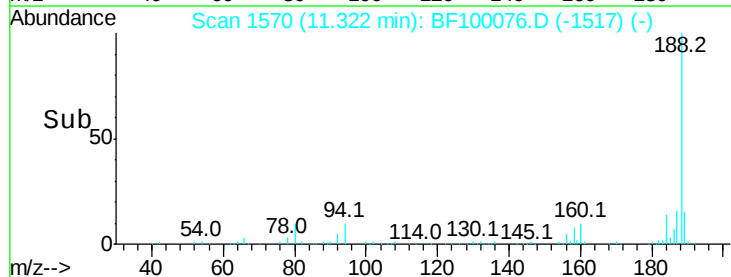


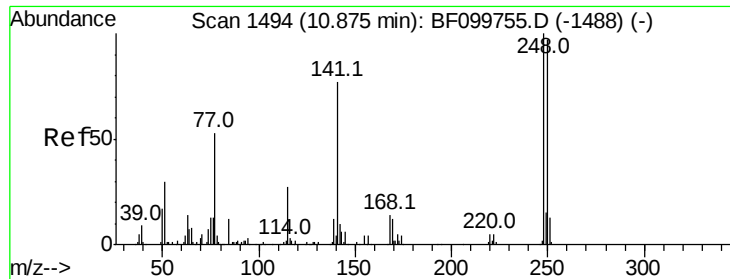
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF100076.D
 Acq: 2 Nov 2017 6:07

Tgt Ion:188 Resp: 303856
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.3 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





#66

4-Bromophenyl-phenylether

Concen: 5.121 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.22 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Instrument :

BNA_F

ClientSampled :

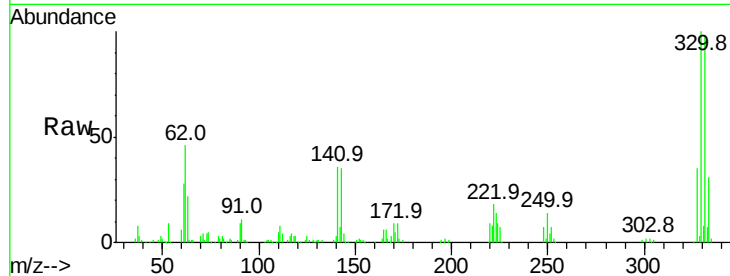
Tot Ion: 248 Resp: 16382

Ion Ratio Lower Upper

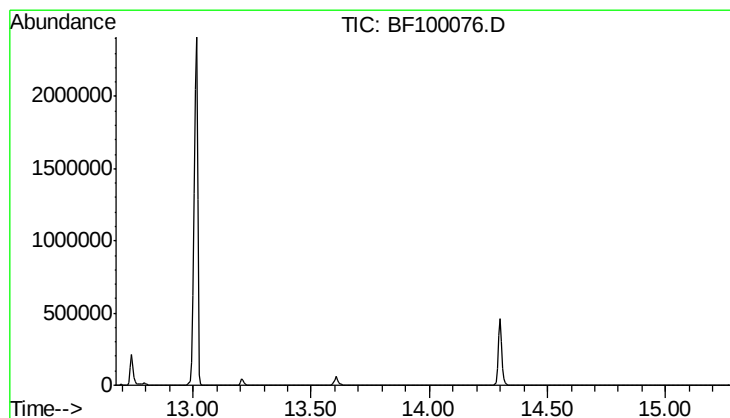
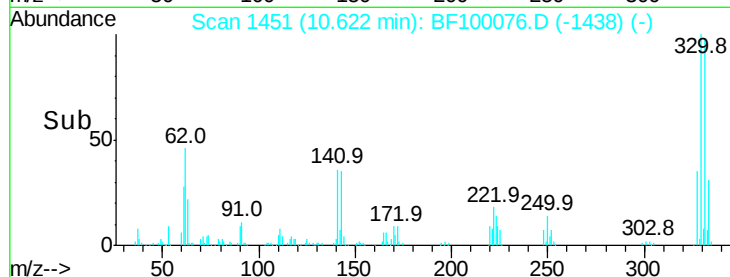
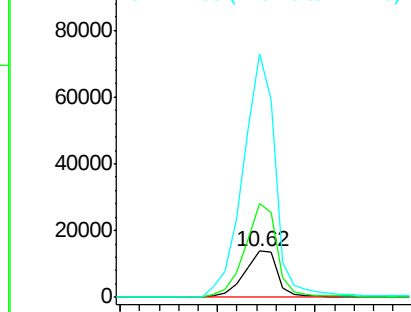
248 100

250 202.8 76.9 115.3#

141 524.1 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: 0.000 ng

Expected RT: 13.97 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

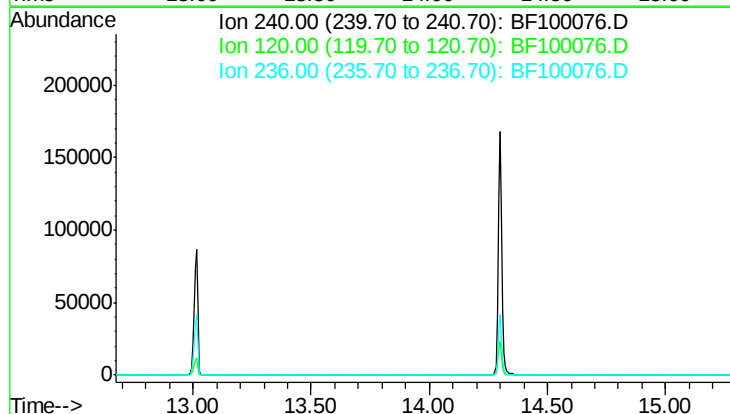
Tgt Ion: 240

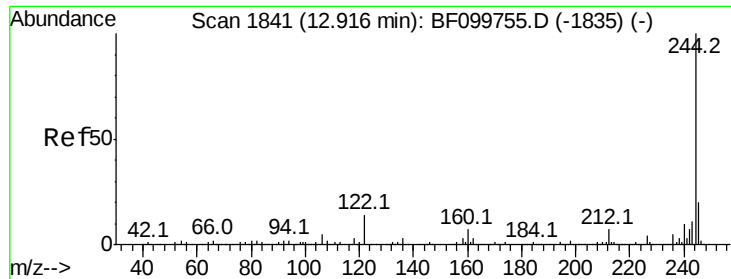
Sig Exp Ratio

240 100

120 11.9

236 25.9





#78

Terphenyl-d14

Concen: 0.000 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.12 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Instrument :

BNA_F

ClientSampleId :

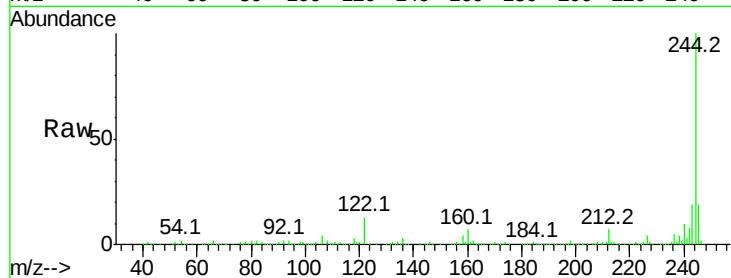
Tot Ion:244 Resp: 1007887

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

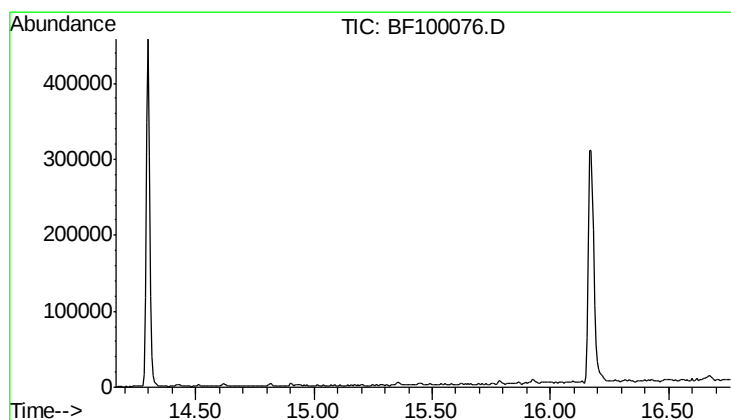
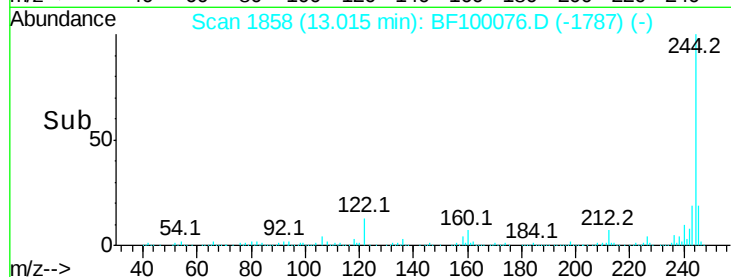
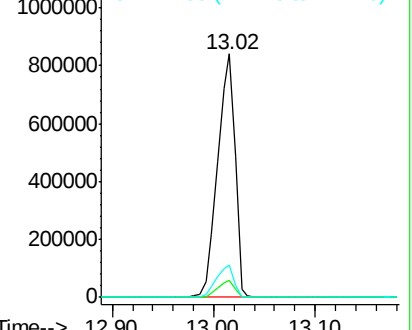
122 13.2 11.0 16.4



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: 0.000 ng

Expected RT: 15.46 min

Lab File: BF100076.D

Acq: 2 Nov 2017 6:07

Tgt Ion: 264

Sig Exp Ratio

264 100

260 24.0

265 21.9

