

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102106.D
 Acq On : 16 Jan 2018 13:48
 Operator : SJ/JU
 Sample : J1113-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 23:31:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

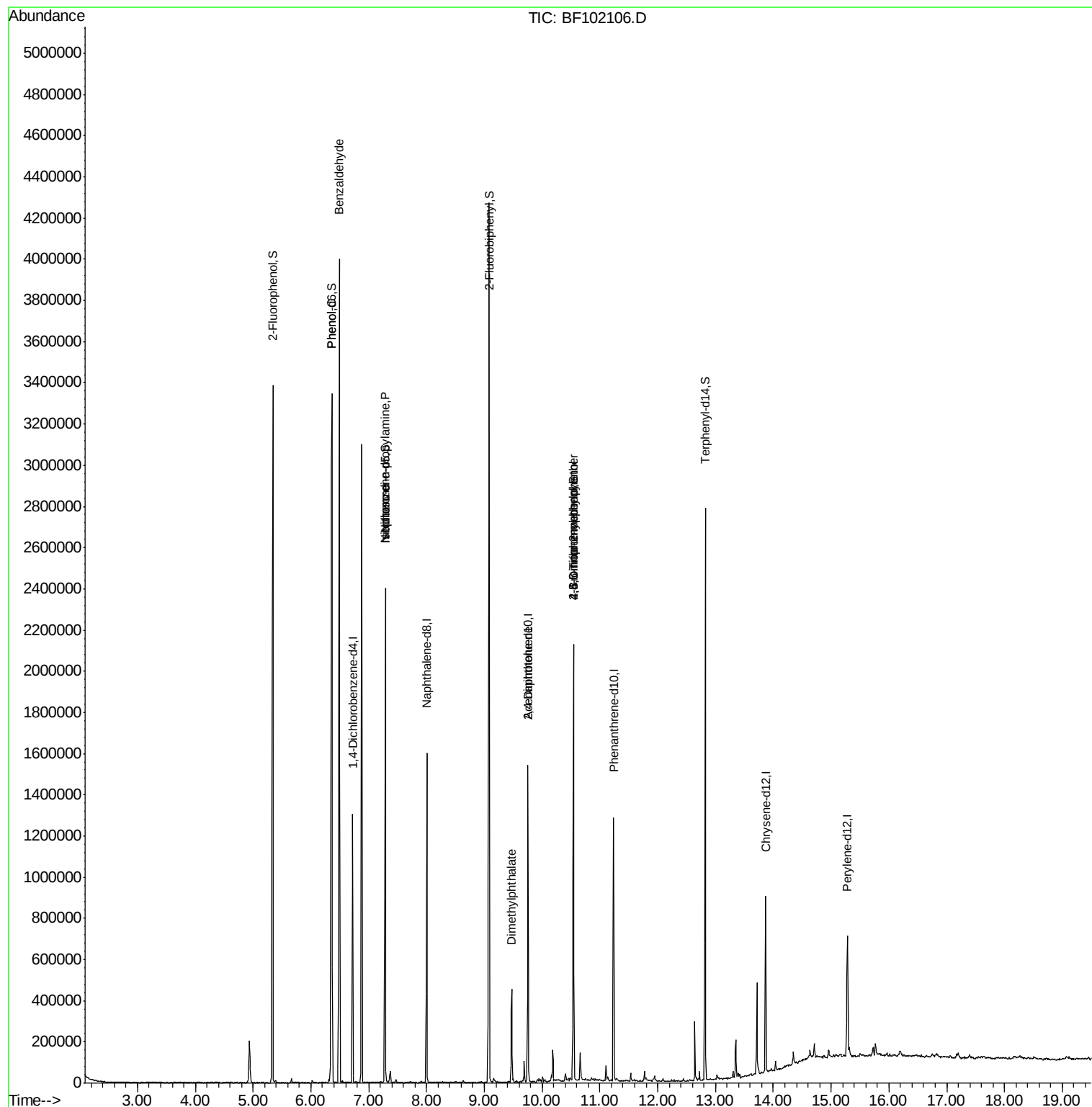
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	177094	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	704330	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	297761	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	455708	20.00	ng	0.00
75) Chrysene-d12	13.87	240	290709	20.00	ng	-0.01
86) Perylene-d12	15.28	264	256879	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1090536	86.96	ng	0.01
7) Phenol-d6	6.36	99	1307660	87.39	ng	0.00
23) Nitrobenzene-d5	7.29	82	835422	69.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	251789	96.90	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1311114	68.79	ng	-0.01
78) Terphenyl-d14	12.82	244	873613	62.39	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	24374	2.346	ng	86
10) Phenol	6.37	94	37754	2.233	ng	90
19) n-Nitroso-di-n-propylamine	7.29	70	110607	11.280	ng	# 81
25) Isophorone	7.29	82	832868	35.168	ng	# 64
49) Dimethylphthalate	9.47	163	168951	7.073	ng	98
56) 2,4-Dinitrotoluene	9.76	165	37832	6.326	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	383	5.799	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	16172	3.360	ng	# 1

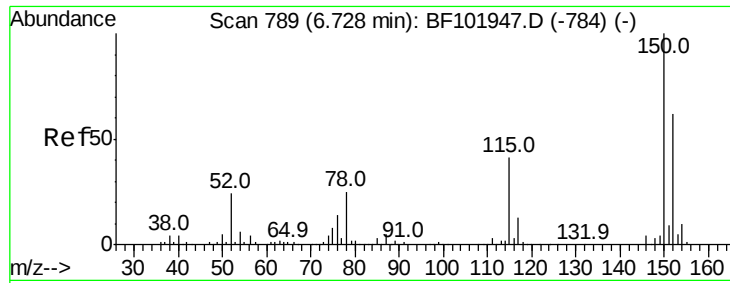
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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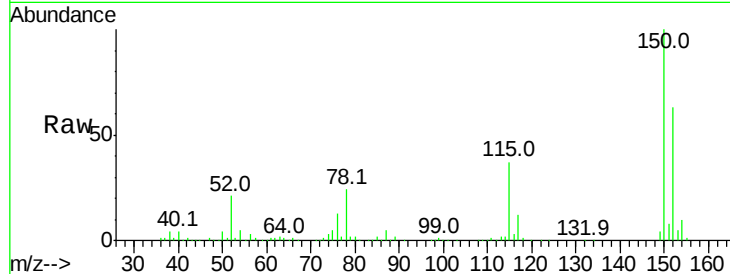


#1

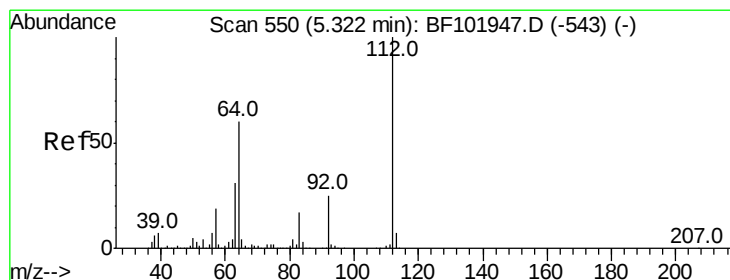
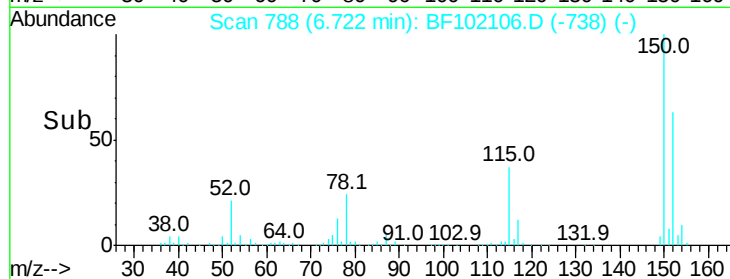
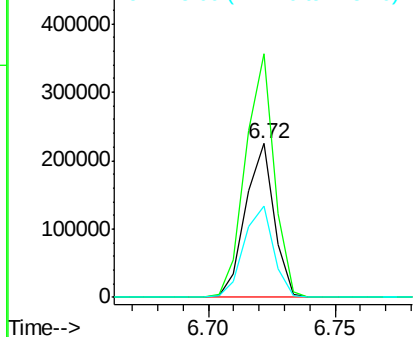
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102106.D
Acq: 16 Jan 2018 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 177094
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 59.1 50.1 75.1



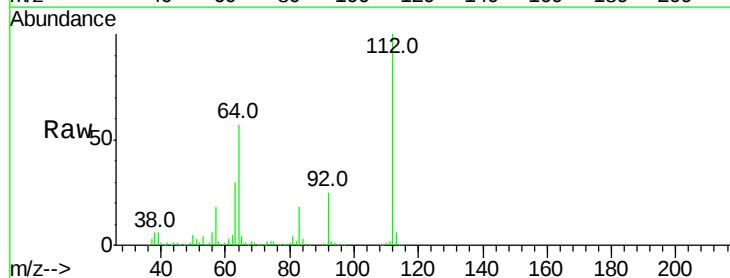
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



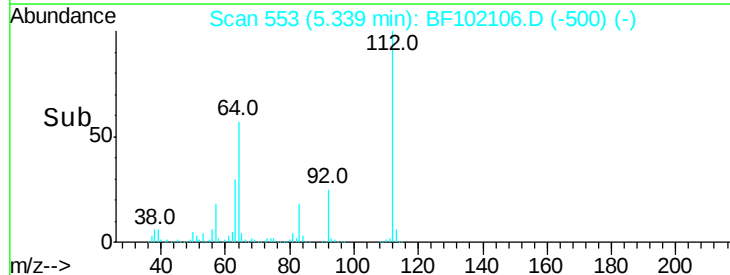
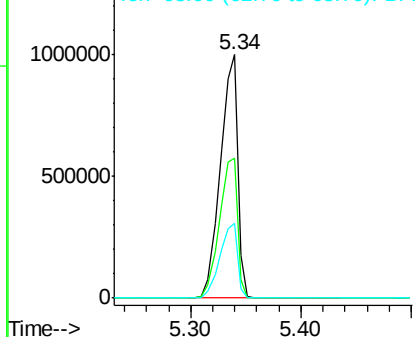
#5

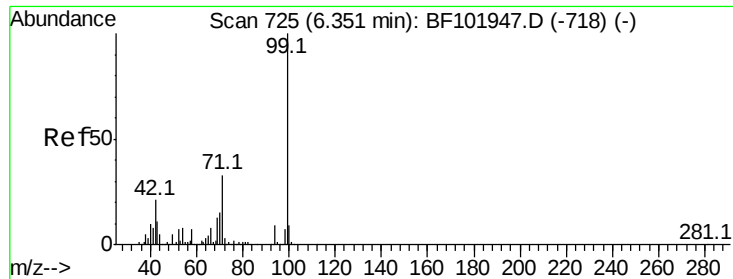
2-Fluorophenol
Concen: 86.955 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF102106.D
Acq: 16 Jan 2018 13:48

Tgt Ion:112 Resp: 1090536
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 30.4 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: 87.392 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

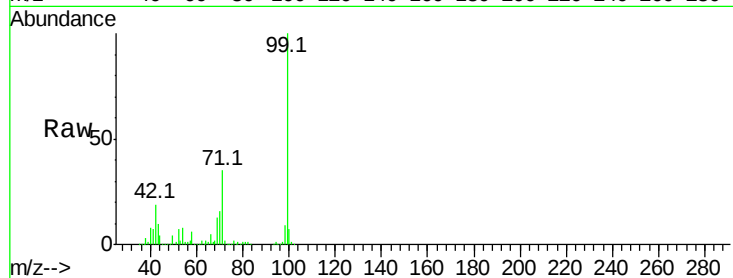
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1307660

Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.5	21.7
71	34.5	25.4	38.0

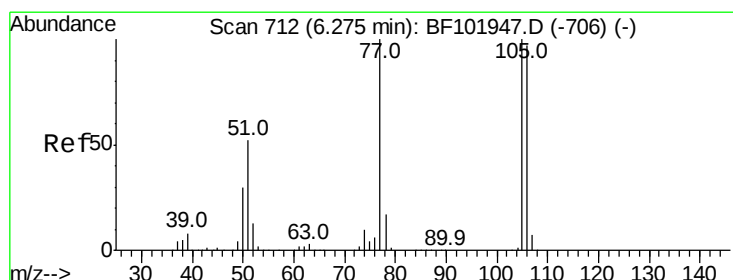
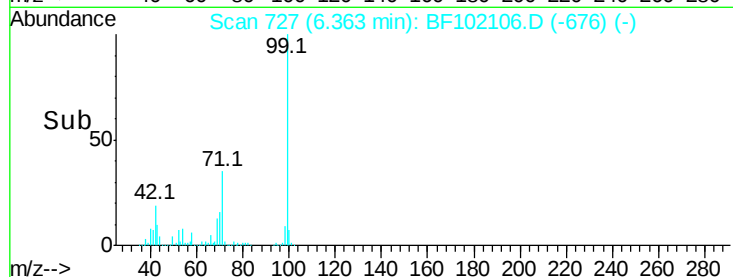


Abundance

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: 2.346 ng

RT: 6.49 min Scan# 749

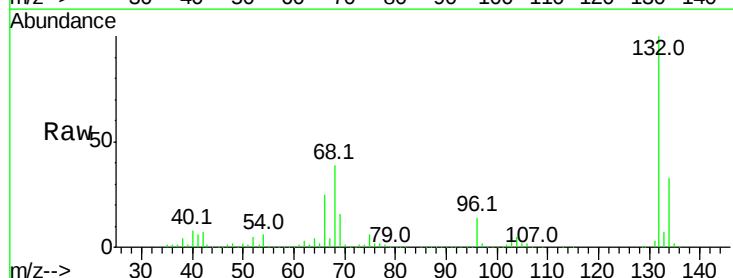
Delta R.T. 0.22 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Tgt Ion: 77 Resp: 24374

Ion	Ratio	Lower	Upper
77	100		
105	84.0	81.1	121.1
106	85.0	74.5	114.5

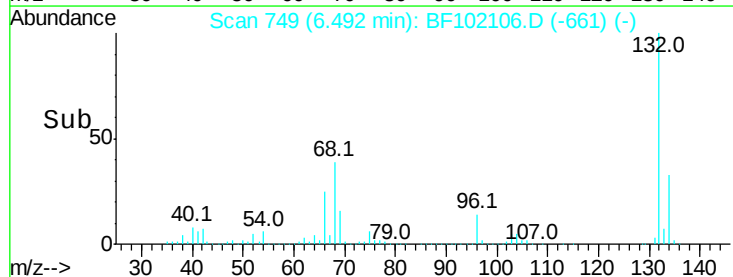


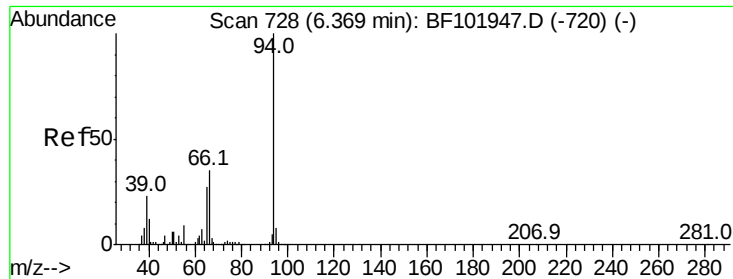
Abundance

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: 2.233 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Instrument :

BNA_F

ClientSampleId :

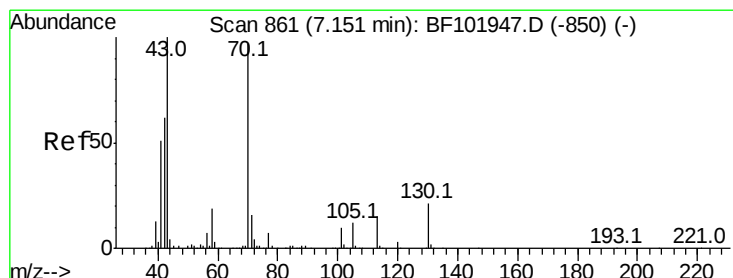
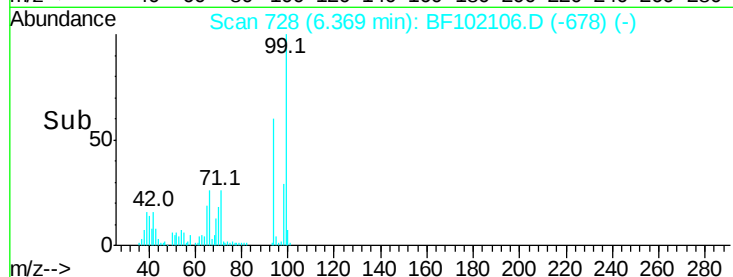
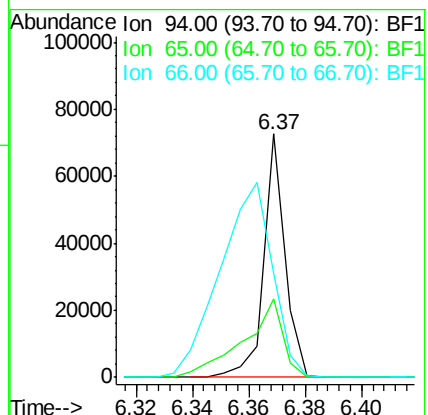
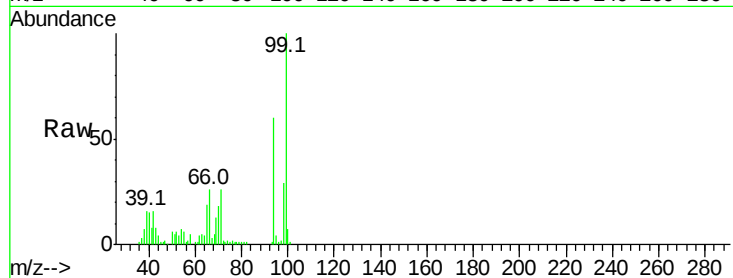
Tot Ion: 94 Resp: 37754

Ion Ratio Lower Upper

94 100

65 32.0 7.9 47.9

66 42.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.280 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Tgt Ion: 70 Resp: 110607

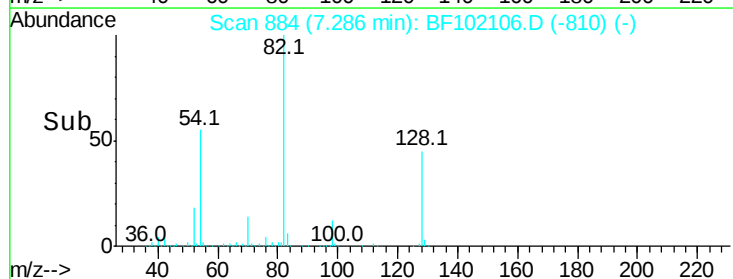
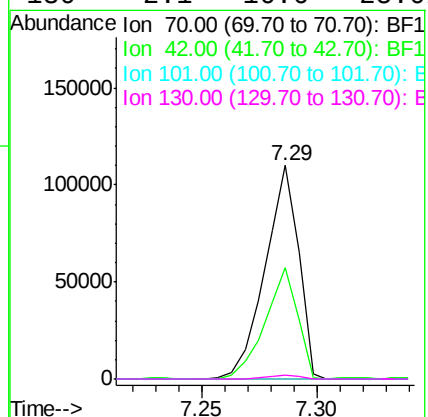
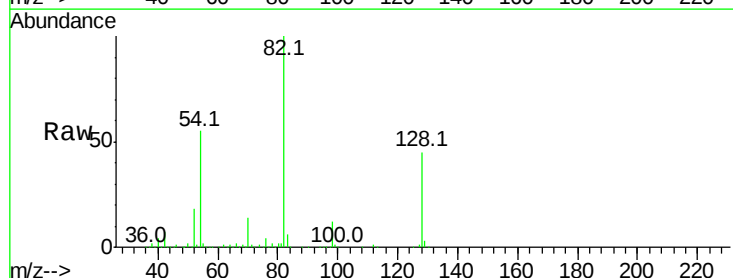
Ion Ratio Lower Upper

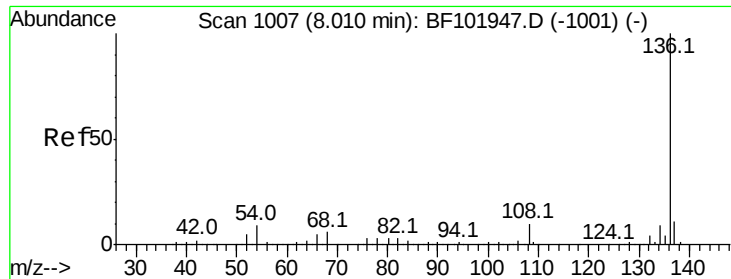
70 100

42 51.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

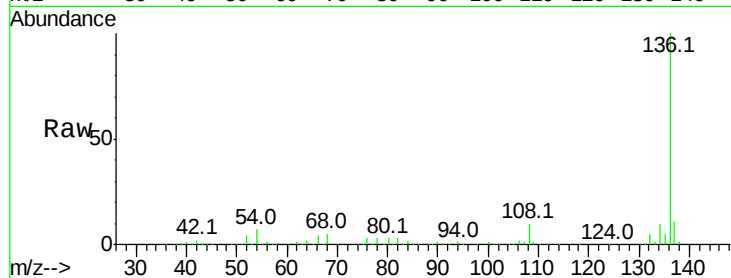




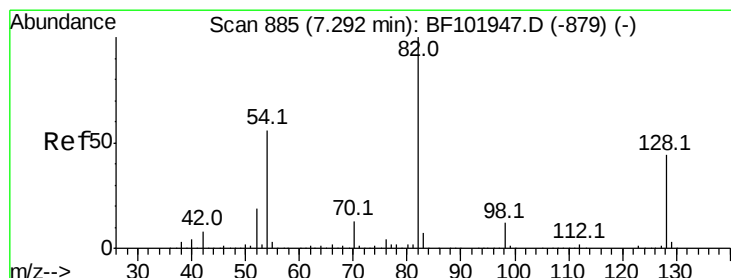
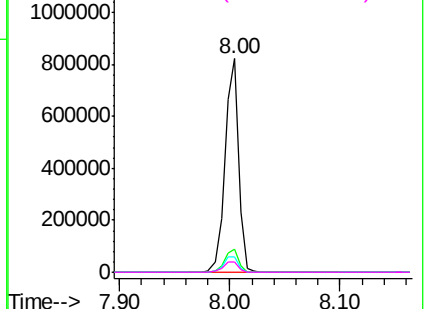
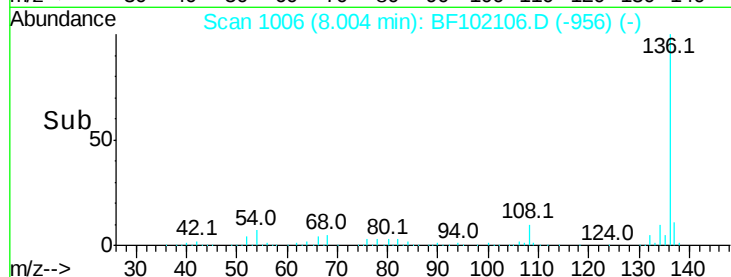
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF102106.D
Acq: 16 Jan 2018 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	704330
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	7.4	6.6 9.8
68	4.9	5.0 7.4#

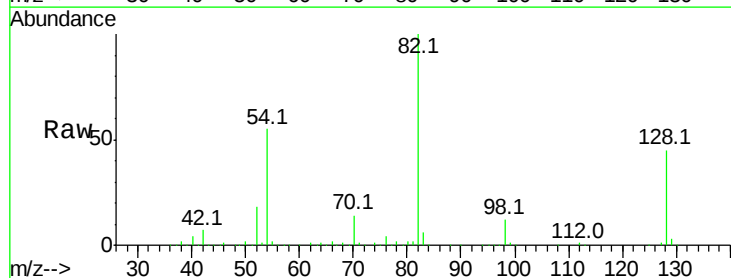


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

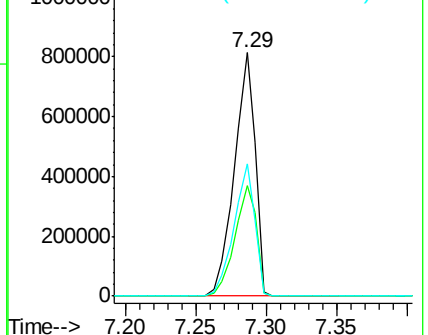
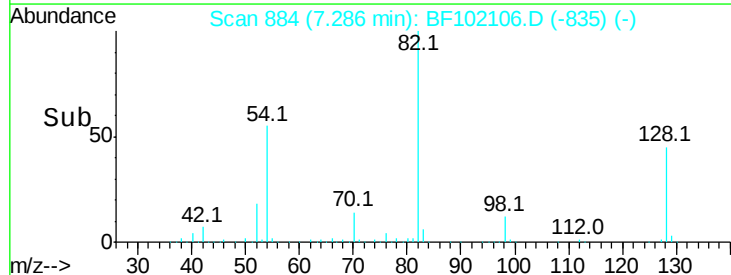


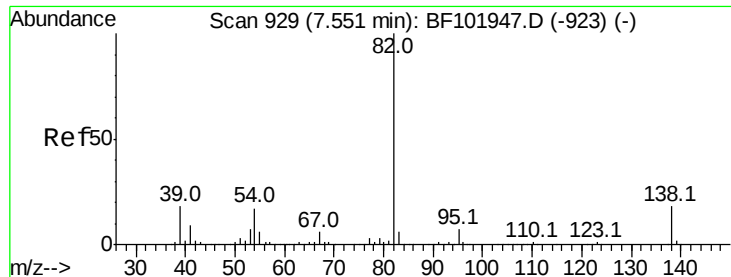
#23
Nitrobenzene-d5
Concen: 69.701 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102106.D
Acq: 16 Jan 2018 13:48

Tgt Ion: 82	Resp:	835422
Ion Ratio	Lower	Upper
82	100	
128	45.2	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: 35.168 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Instrument :

BNA_F

ClientSampled :

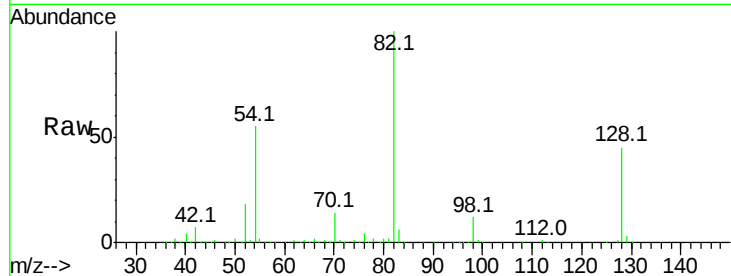
Tot Ion: 82 Resp: 832868

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

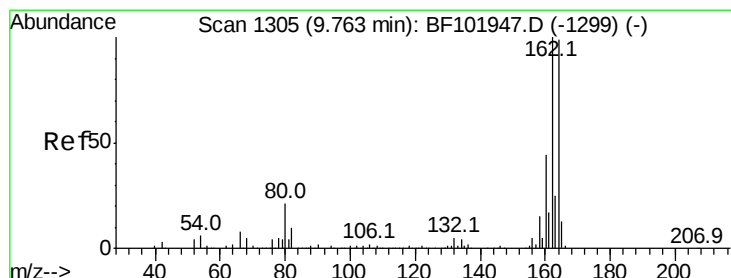
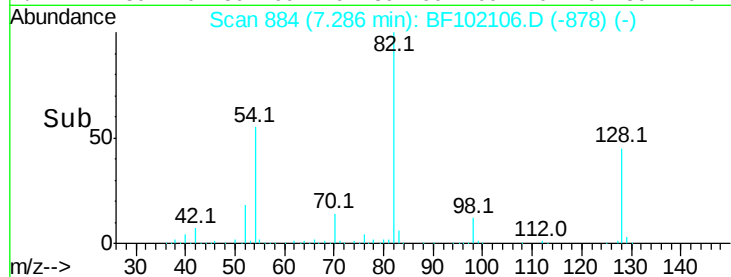
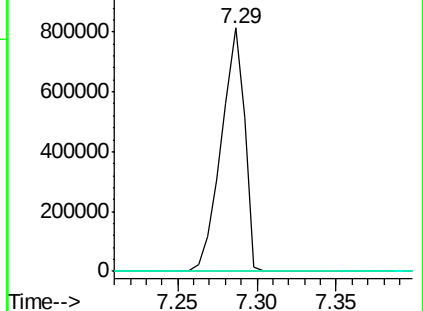
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

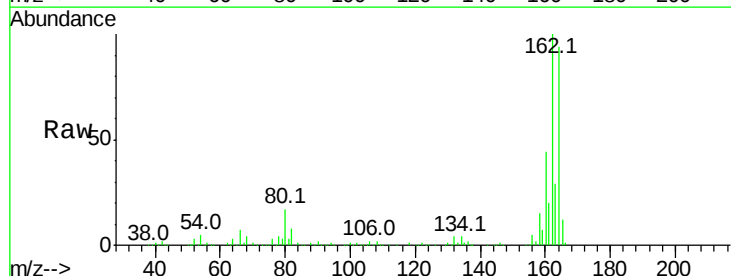
Tgt Ion:164 Resp: 297761

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

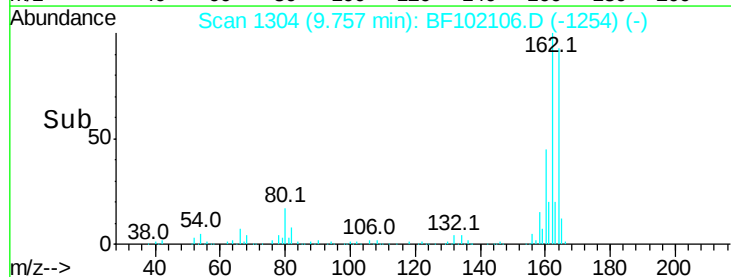
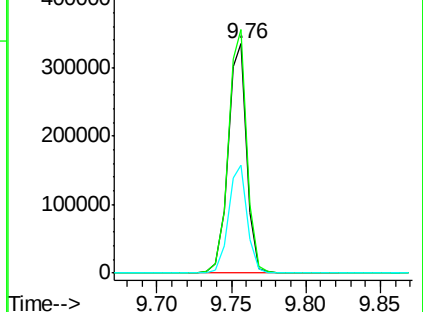
160 47.2 38.3 57.5

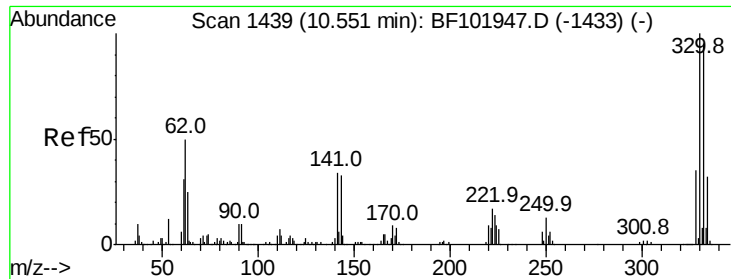


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

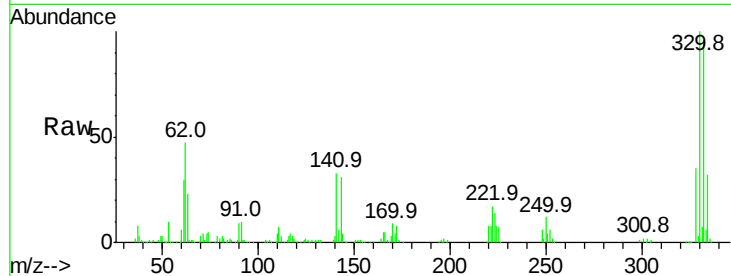




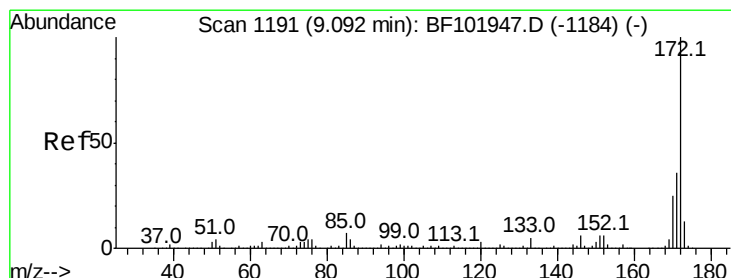
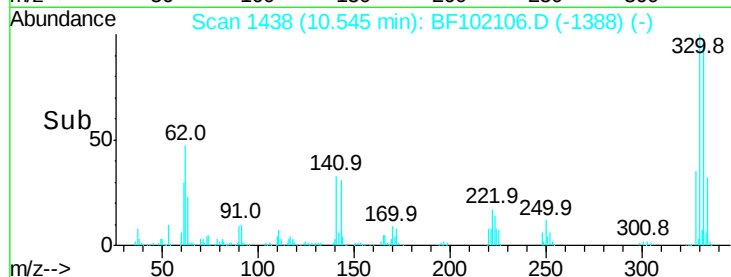
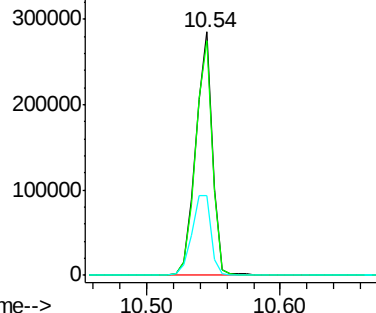
#41
 2,4,6-Tribromophenol
 Concen: 96.897 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102106.D
 Acq: 16 Jan 2018 13:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	37.9	29.9	44.9

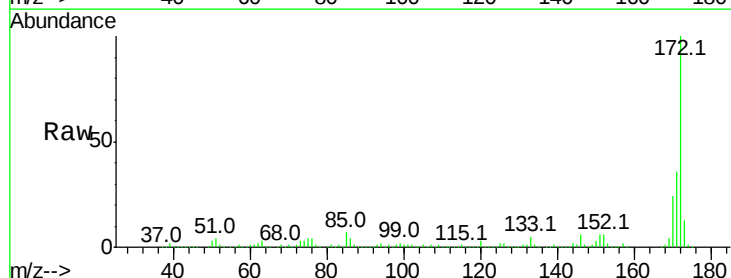


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

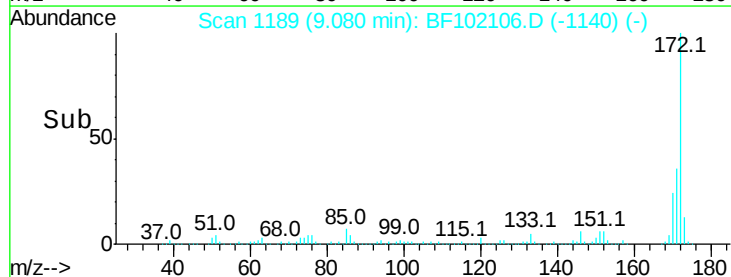
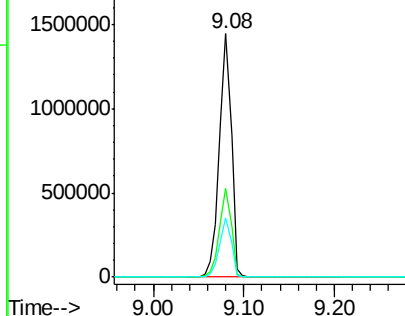


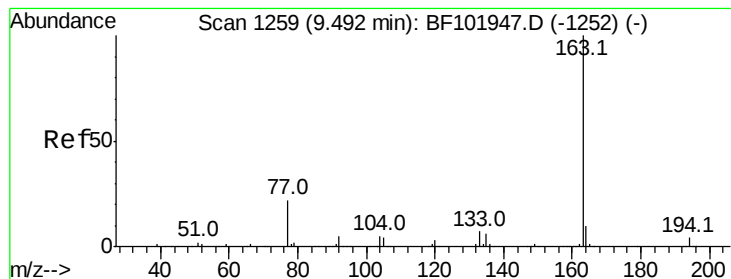
#44
 2-Fluorobiphenyl
 Concen: 68.791 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102106.D
 Acq: 16 Jan 2018 13:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	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





#49

Dimethylphthalate

Concen: 7.073 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.02 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Instrument :

BNA_F

ClientSampled :

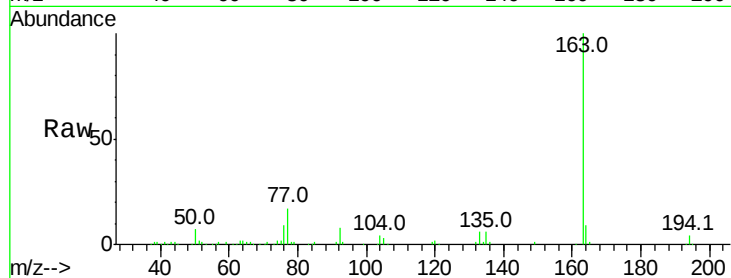
Tot Ion:163 Resp: 168951

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

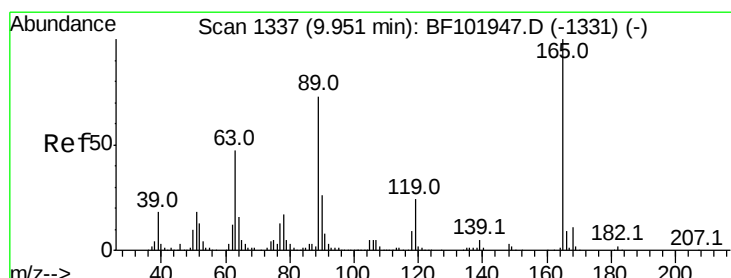
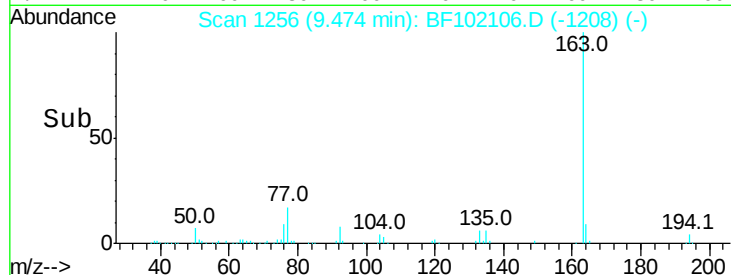
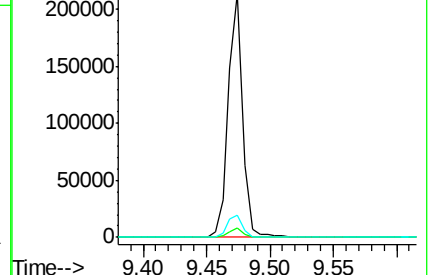
164 9.1 8.2 12.2



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: 6.326 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Tgt Ion:165 Resp: 37832

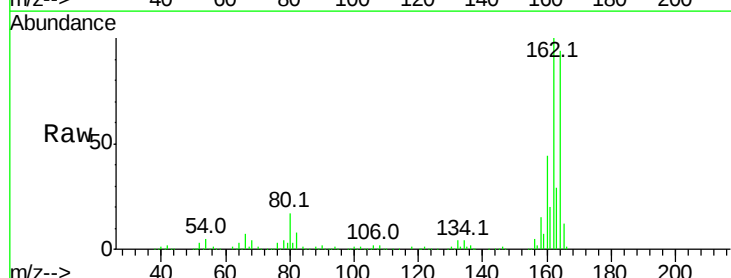
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

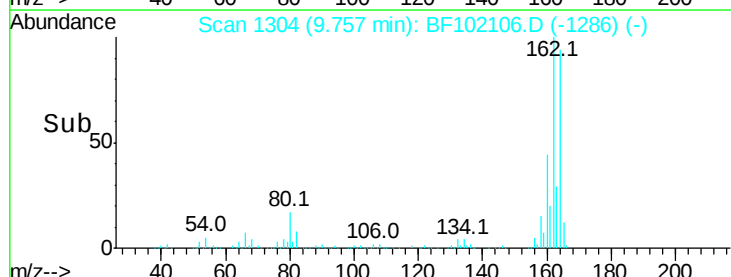
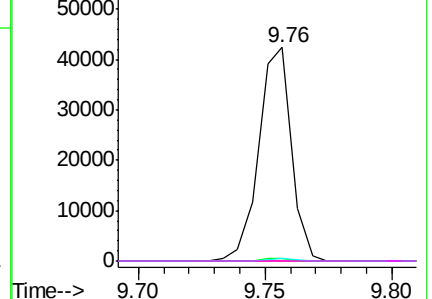


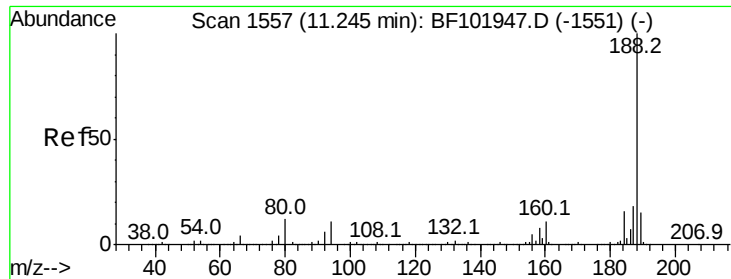
Abundance Ion 165.00 (164.70 to 165.70): E

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

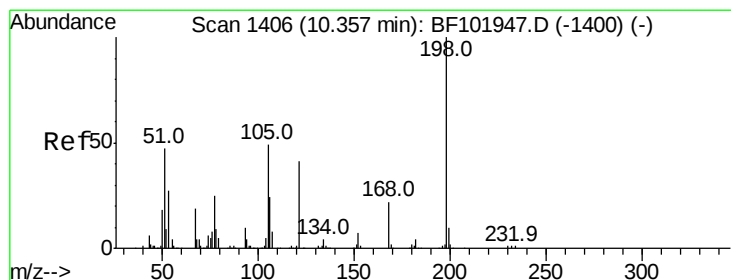
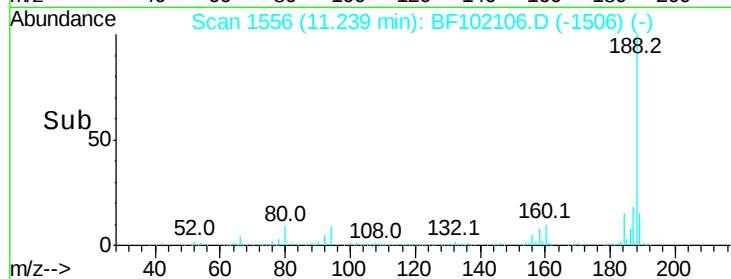
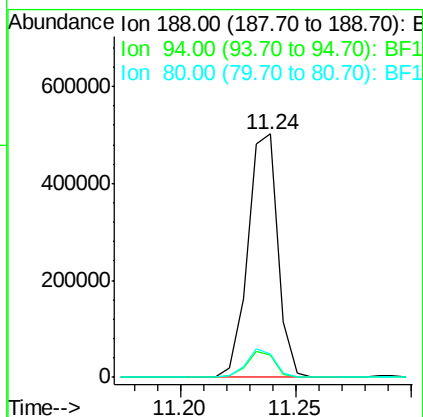
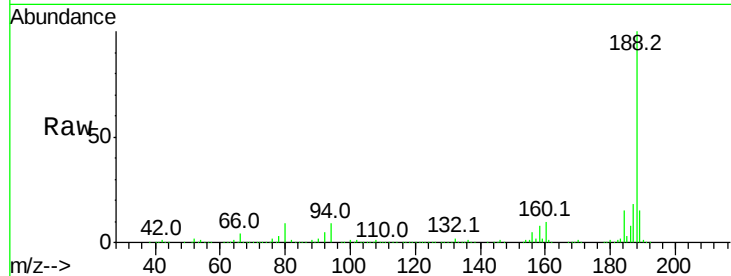




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF102106.D
 Acq: 16 Jan 2018 13:48

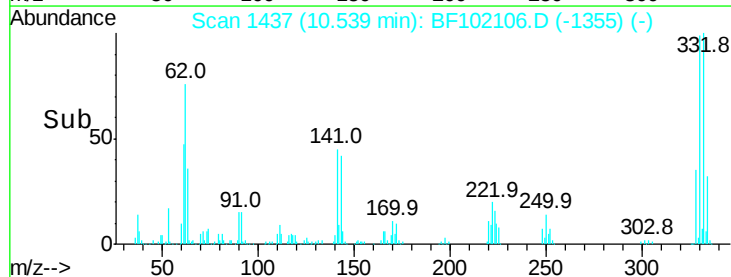
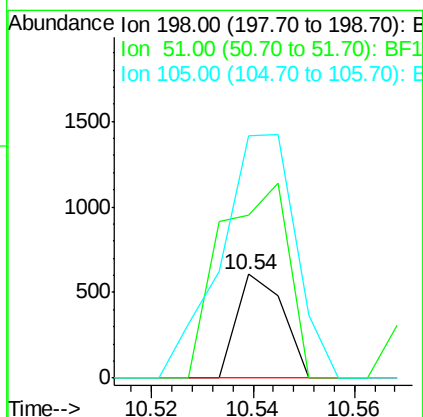
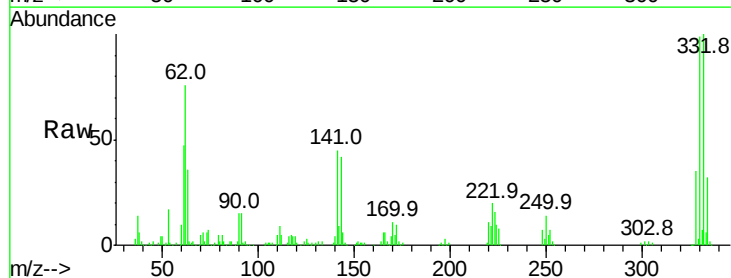
Instrument :
 BNA_F
 ClientSampleId :

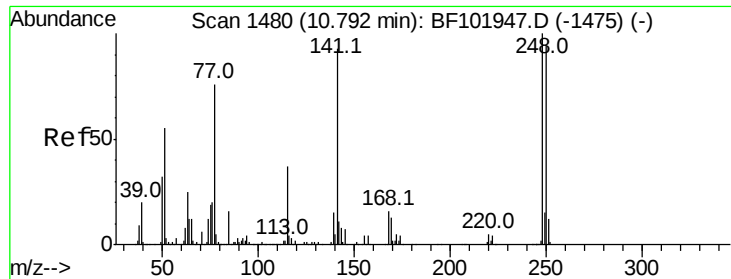
Tot Ion:188 Resp: 455708
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 9.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.799 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF102106.D
 Acq: 16 Jan 2018 13:48

Tgt Ion:198 Resp: 383
 Ion Ratio Lower Upper
 198 100
 51 157.0 37.7 77.7#
 105 234.2 36.3 76.3#

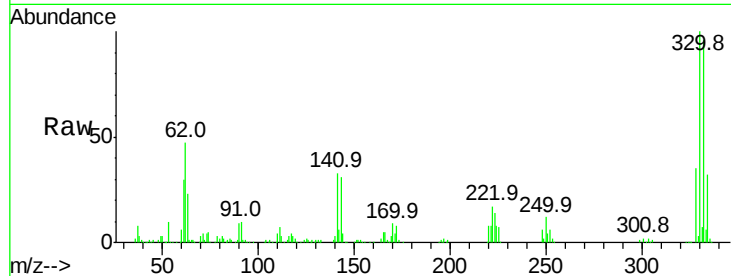




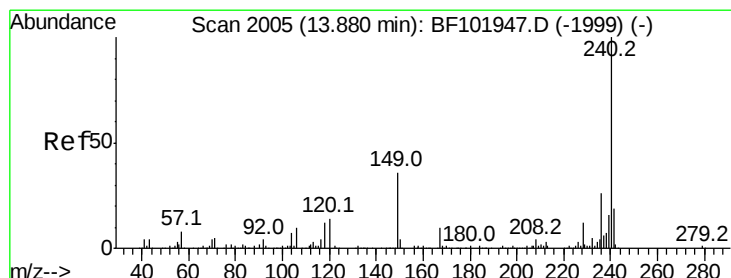
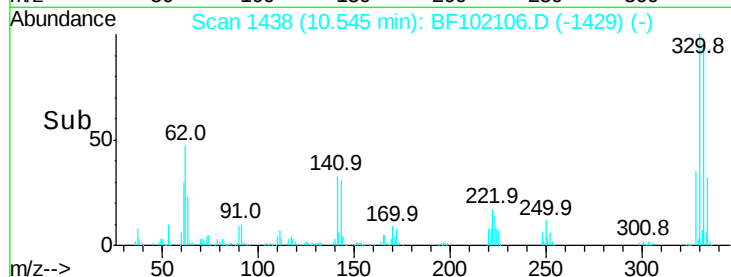
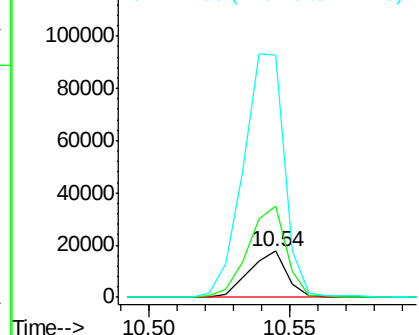
#66
4-Bromophenyl-phenylether
Concen: 3.360 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF102106.D
Acq: 16 Jan 2018 13:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16172
Ion Ratio Lower Upper
248 100
250 198.2 76.9 115.3#
141 526.8 74.4 111.6#

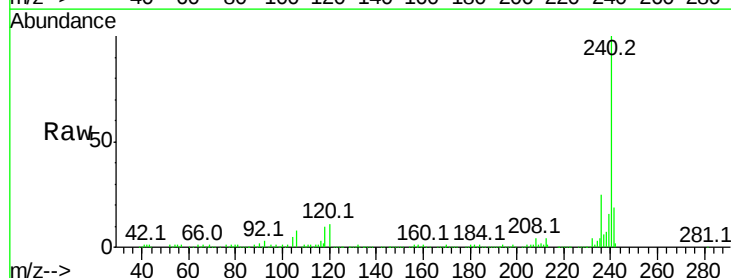


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

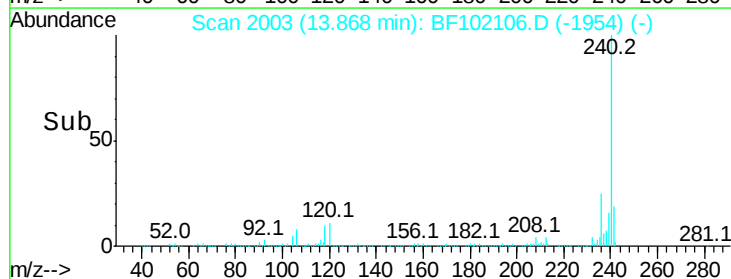
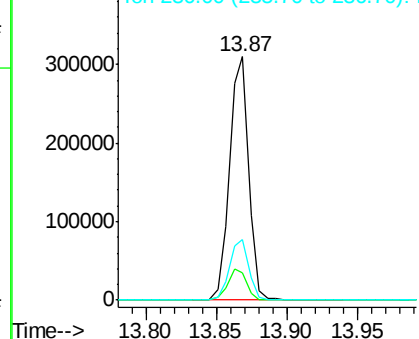


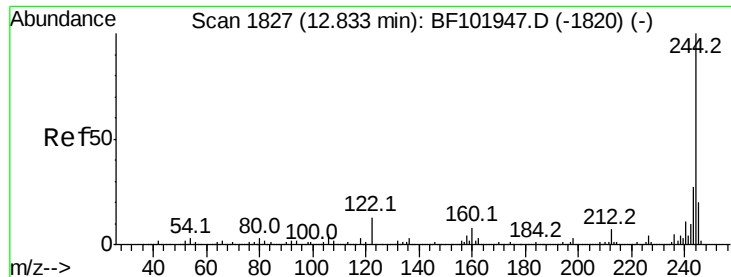
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF102106.D
Acq: 16 Jan 2018 13:48

Tgt Ion:240 Resp: 290709
Ion Ratio Lower Upper
240 100
120 11.1 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: 62.394 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

Instrument :

BNA_F

ClientSampleId :

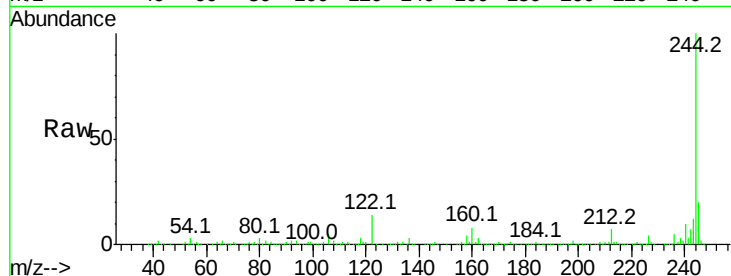
Tot Ion:244 Resp: 873613

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

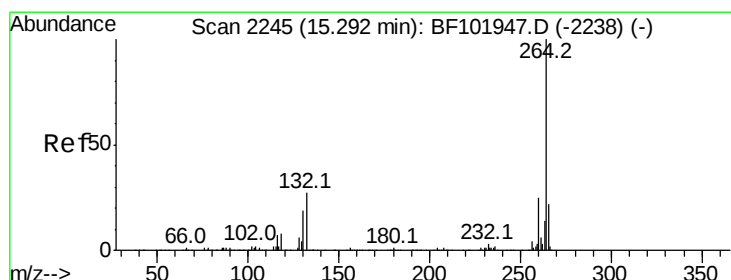
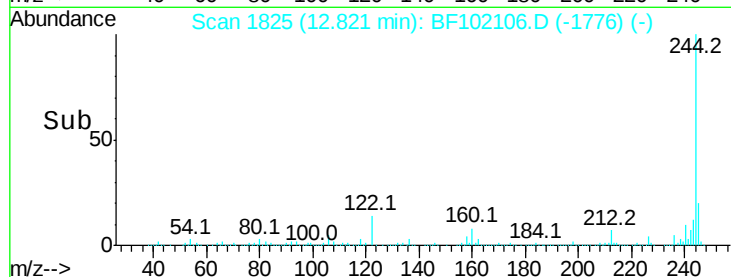
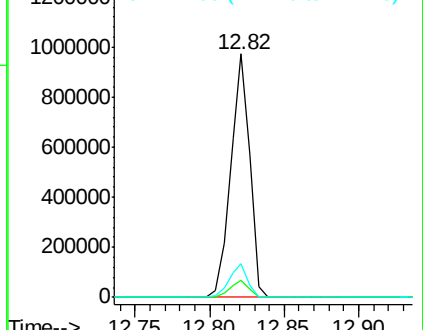
122 13.6 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BF102106.D

Acq: 16 Jan 2018 13:48

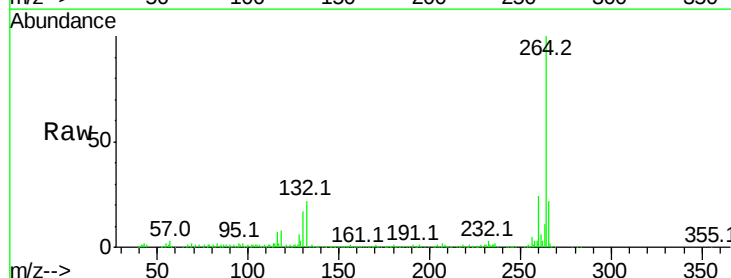
Tgt Ion:264 Resp: 256879

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.9 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

