

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102137.D
 Acq On : 17 Jan 2018 3:43
 Operator : SJ/JU
 Sample : J1115-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 17 06:38:58 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

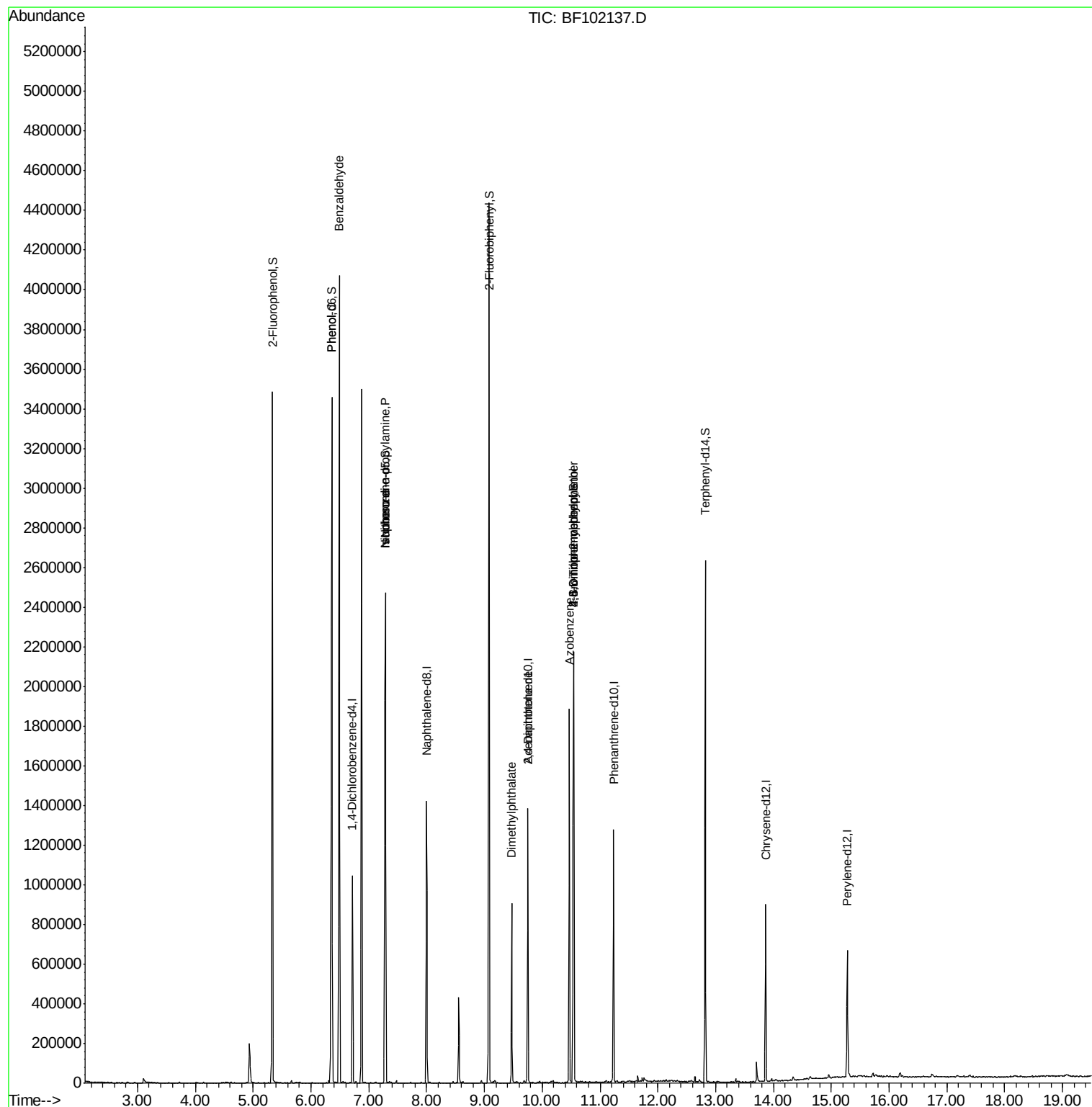
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	151937	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	616763	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	262642	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	397361	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	274634	20.00	ng	-0.02
86) Perylene-d12	15.28	264	276619	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1176744	109.36	ng	0.00
7) Phenol-d6	6.36	99	1385222	107.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	887268	84.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	281992	123.03	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1406091	83.64	ng	-0.01
78) Terphenyl-d14	12.82	244	907767	68.63	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	26204	2.940	ng	84
10) Phenol	6.37	94	60449	4.167	ng	90
19) n-Nitroso-di-n-propylamine	7.29	70	119648	14.222	ng	# 81
25) Isophorone	7.29	82	887260	42.784	ng	# 64
49) Dimethylphthalate	9.47	163	365703	17.357	ng	100
56) 2,4-Dinitrotoluene	9.75	165	33497	6.350	ng	# 23
62) Azobenzene	10.47	77	319731	15.333	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.55	198	647	5.927	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	18577	4.427	ng	# 1

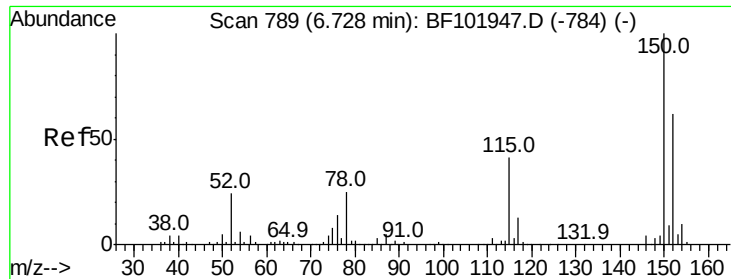
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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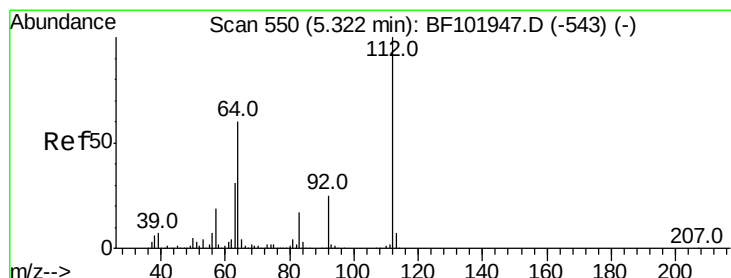
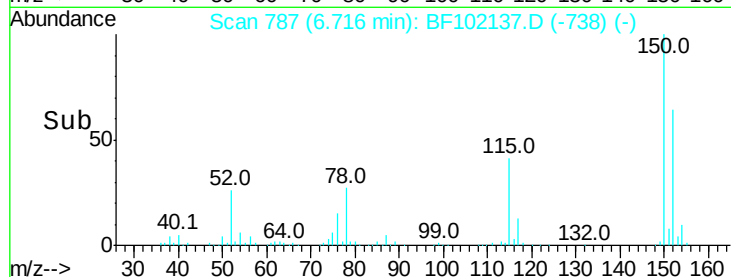
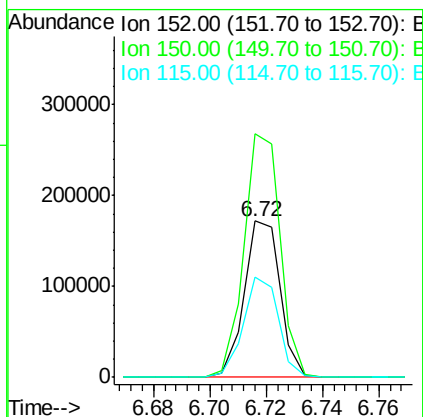
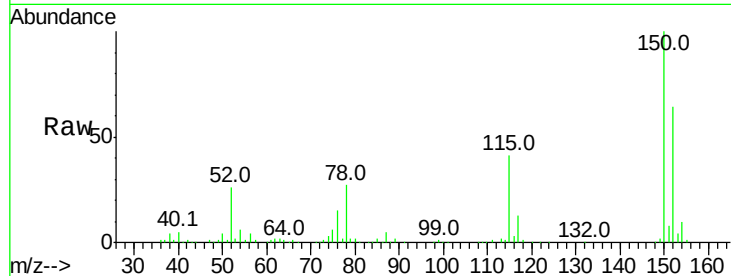


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102137.D
Acq: 17 Jan 2018 3:43

Instrument :
BNA_F
ClientSampleId :

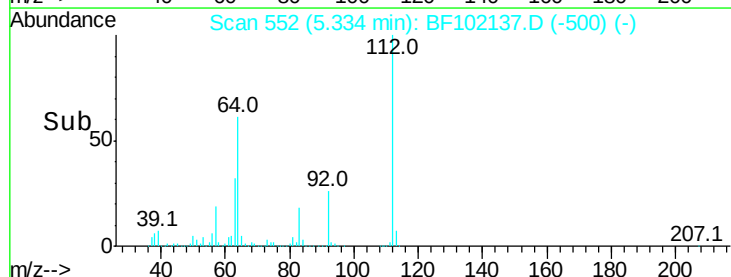
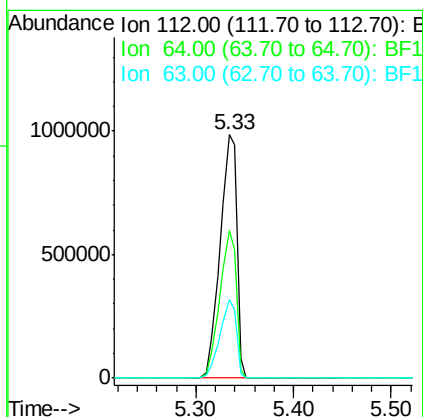
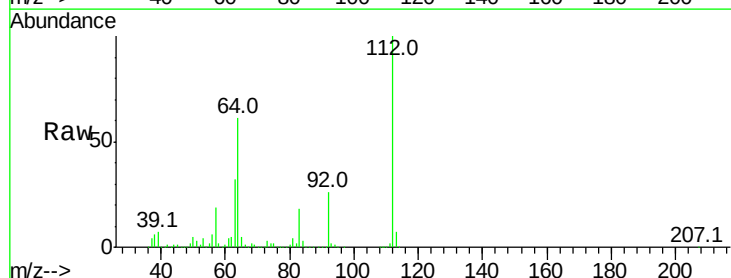
Tot Ion:152 Resp: 151937
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 63.9 50.1 75.1

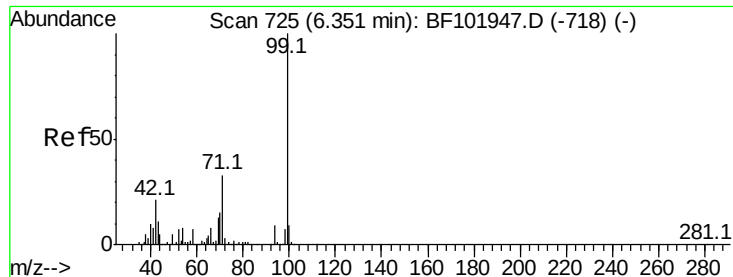


#5

2-Fluorophenol
Concen: 109.365 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102137.D
Acq: 17 Jan 2018 3:43

Tgt Ion:112 Resp: 1176744
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 32.1 23.7 35.5





#7

Phenol-d6

Concen: 107.904 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Instrument :

BNA_F

ClientSampleId :

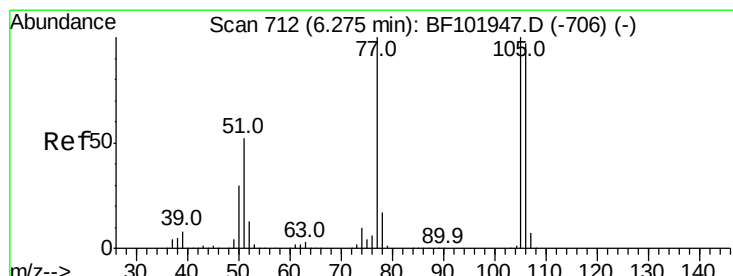
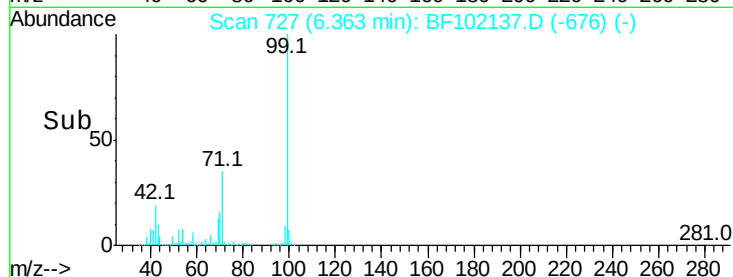
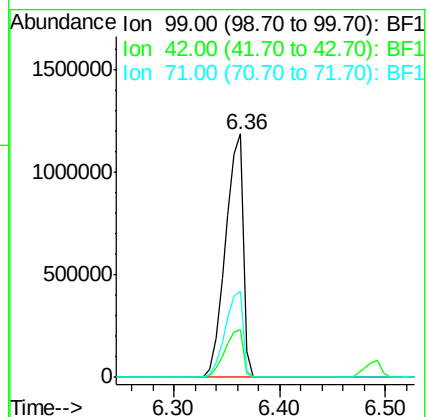
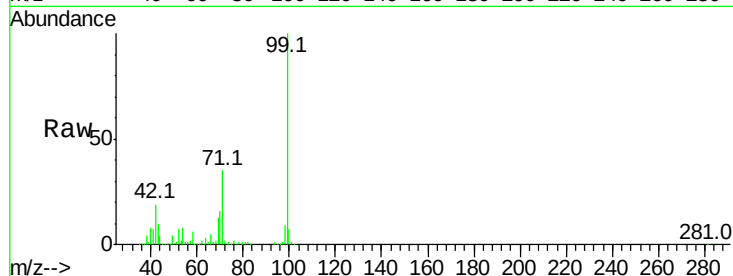
Tot Ion: 99 Resp: 1385222

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 35.2 25.4 38.0



#9

Benzaldehyde

Concen: 2.940 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

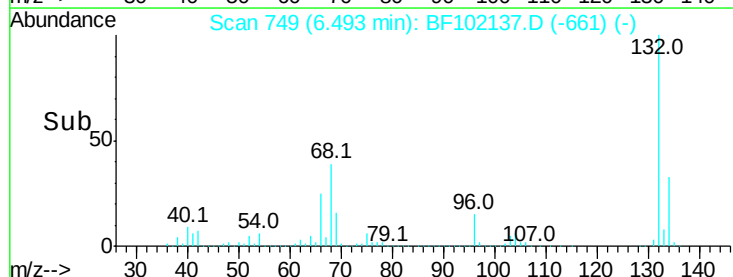
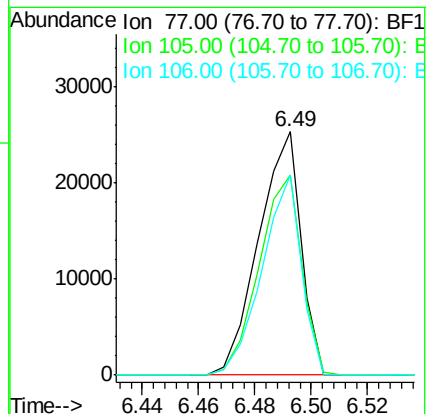
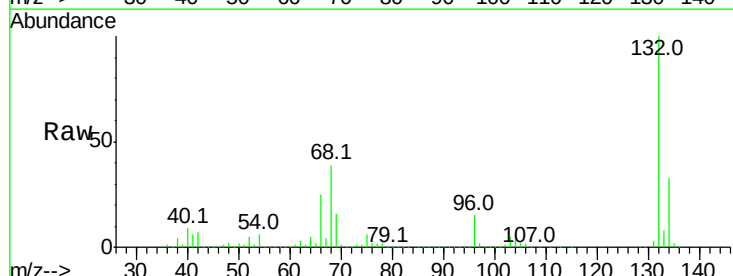
Tgt Ion: 77 Resp: 26204

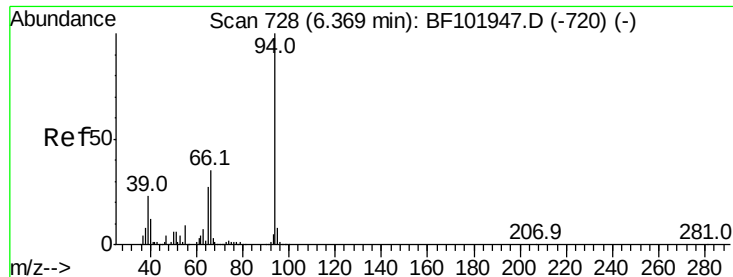
Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

106 82.1 74.5 114.5





#10

Phenol

Concen: 4.167 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Instrument :

BNA_F

ClientSampled :

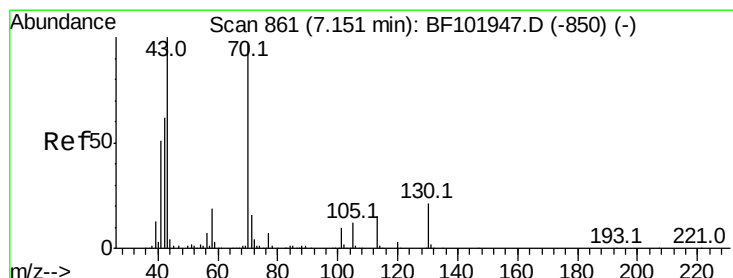
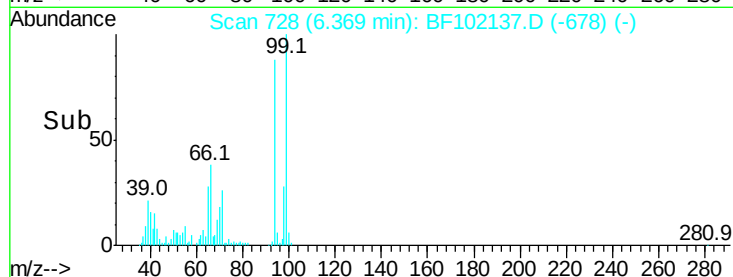
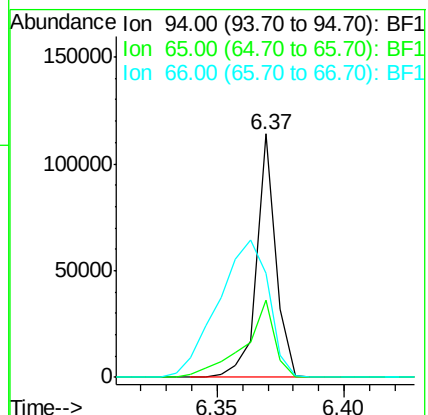
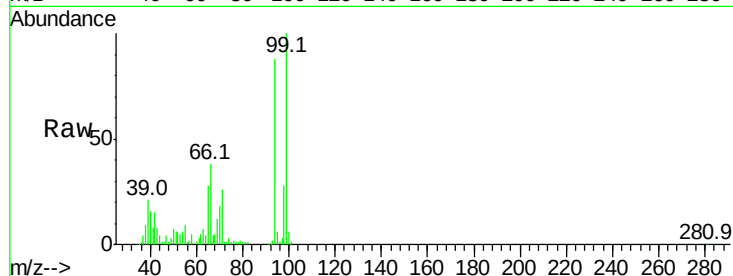
Tot Ion: 94 Resp: 60449

Ion Ratio Lower Upper

94 100

65 31.6 7.9 47.9

66 42.9 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.222 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Tgt Ion: 70 Resp: 119648

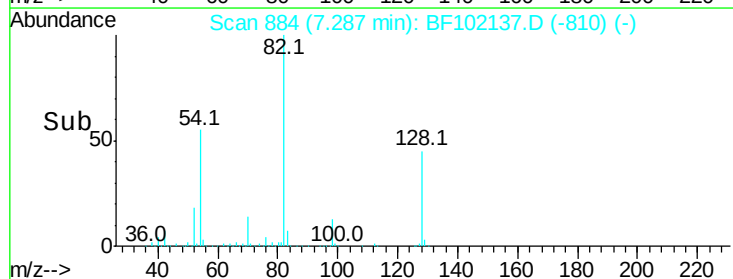
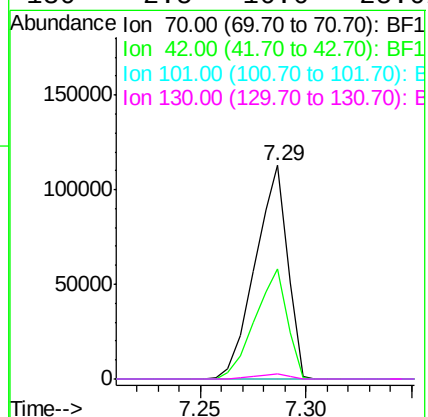
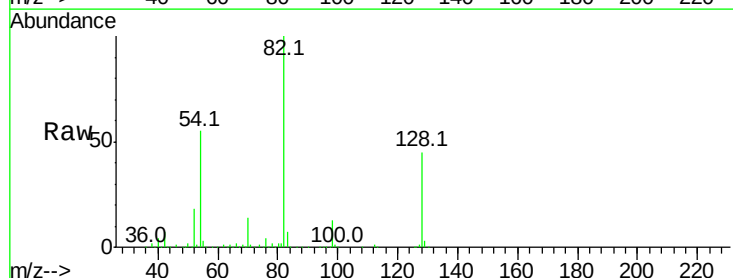
Ion Ratio Lower Upper

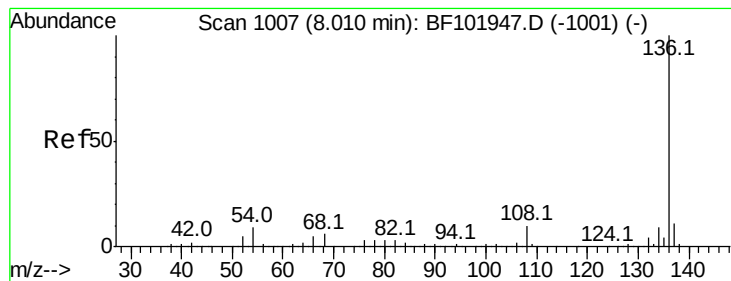
70 100

42 51.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 616763

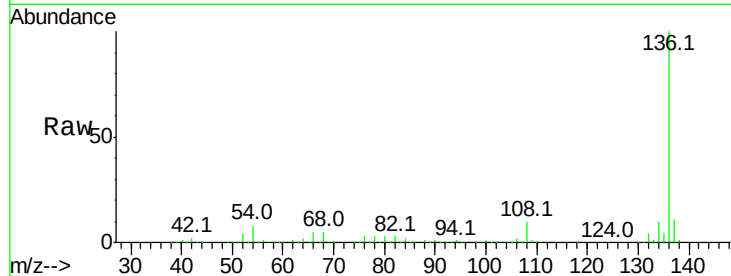
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 8.2 6.6 9.8

68 5.1 5.0 7.4

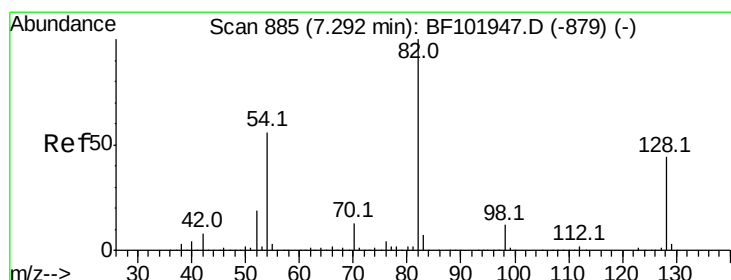
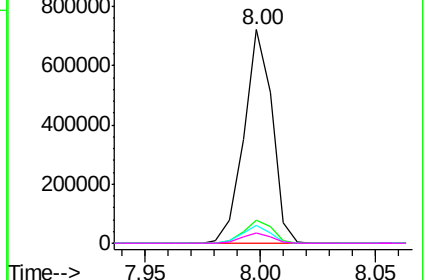
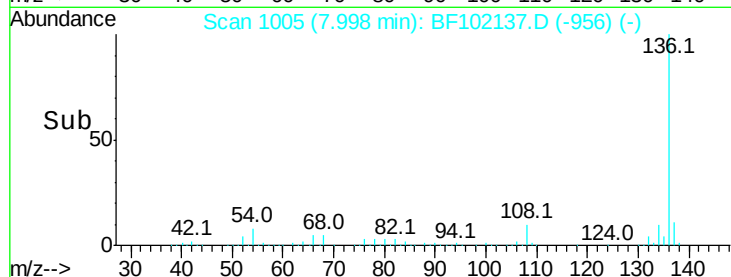


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.537 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

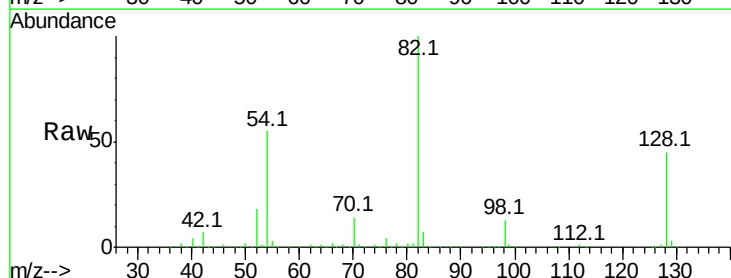
Tgt Ion: 82 Resp: 887268

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

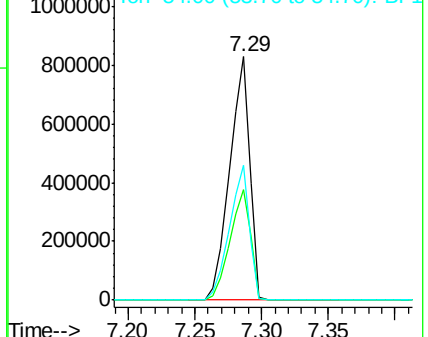
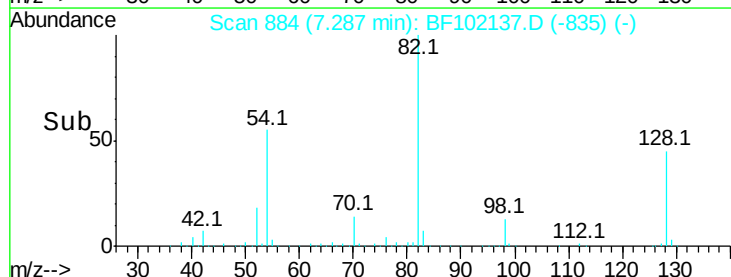
54 55.1 41.4 62.2

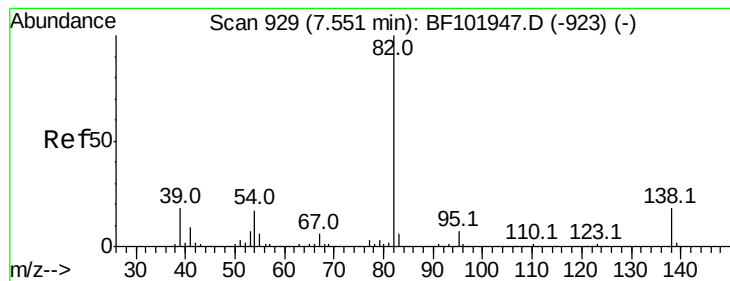


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.784 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Instrument :

BNA_F

ClientSampleId :

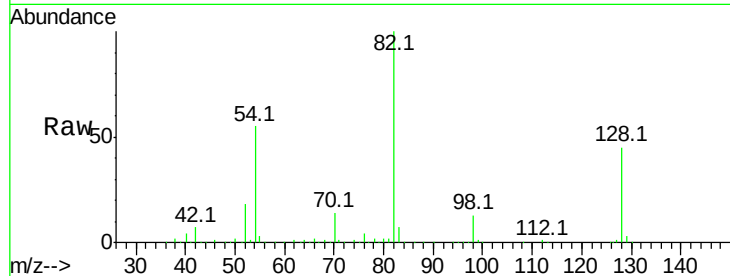
Tot Ion: 82 Resp: 887260

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

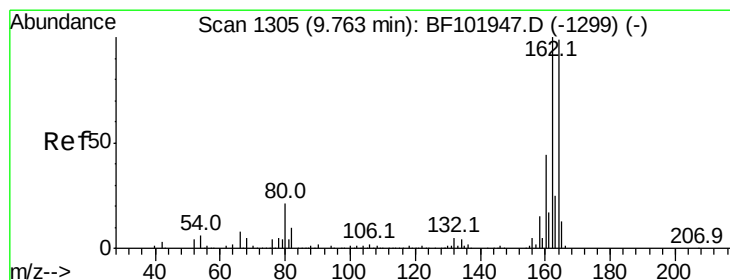
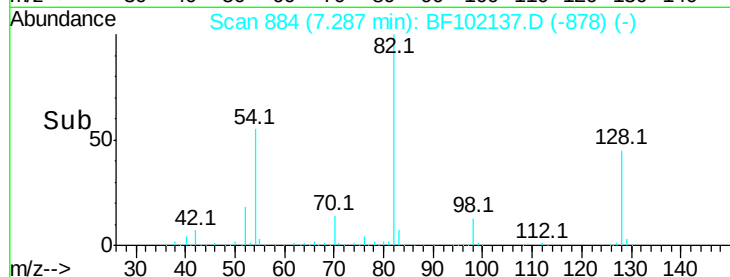
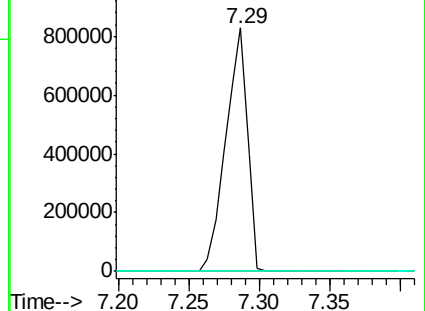
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

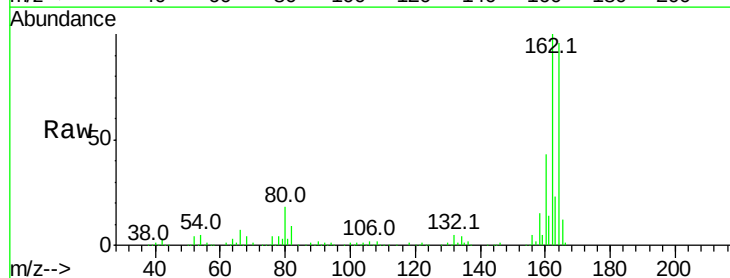
Tgt Ion:164 Resp: 262642

Ion Ratio Lower Upper

164 100

162 104.0 86.1 129.1

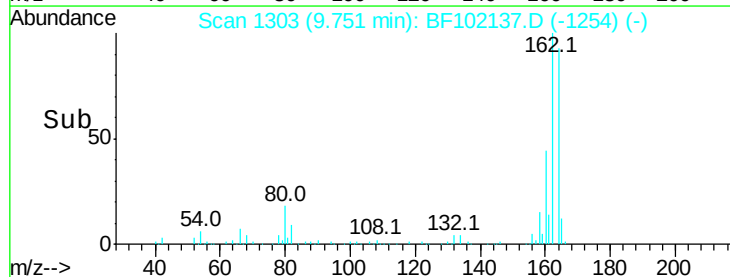
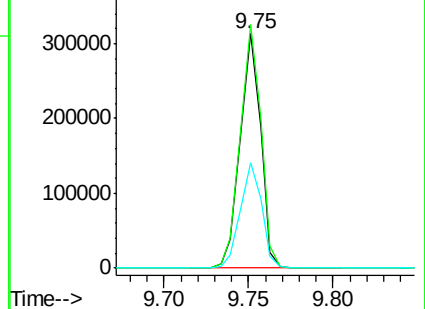
160 45.1 38.3 57.5

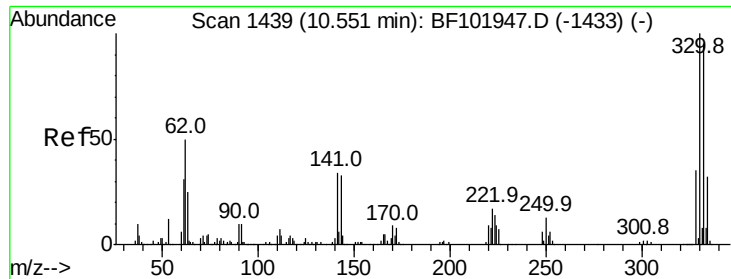


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

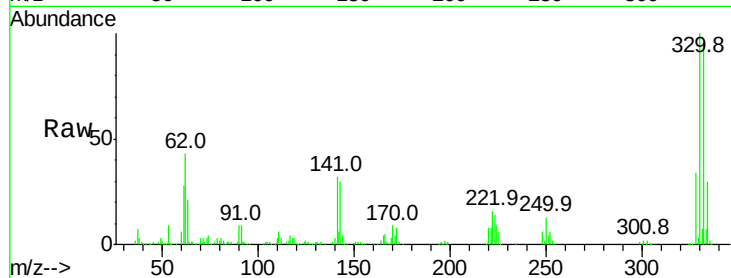




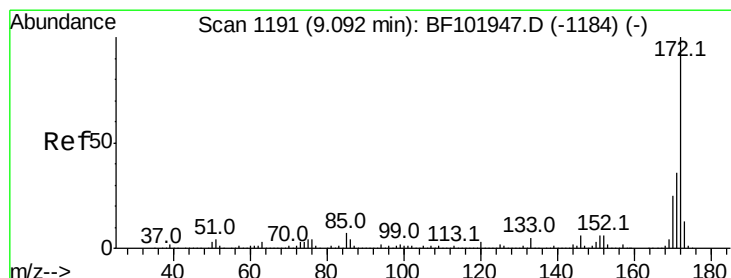
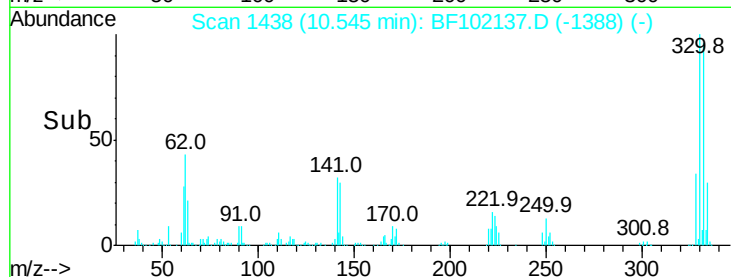
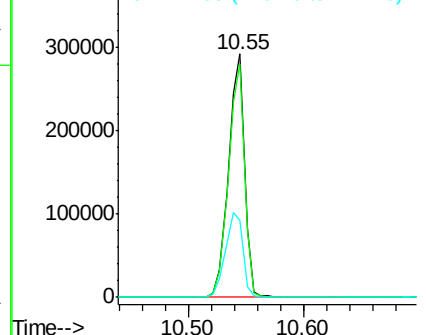
#41
 2,4,6-Tribromophenol
 Concen: 123.031 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	38.0	29.9	44.9

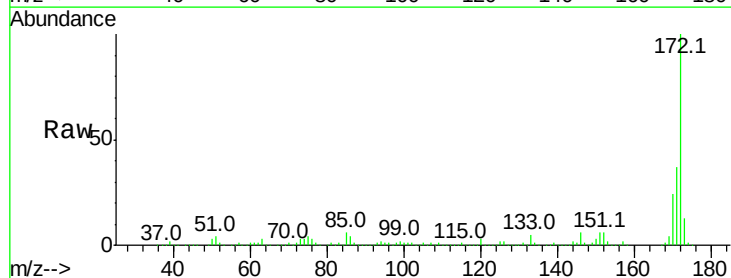


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

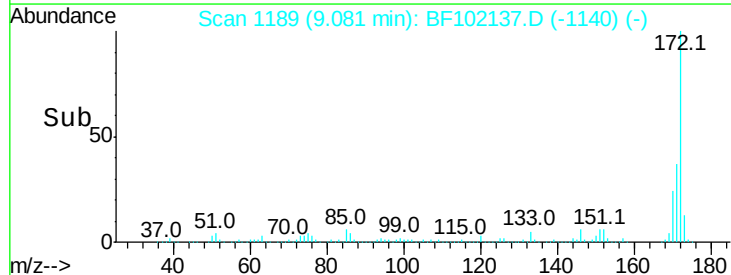
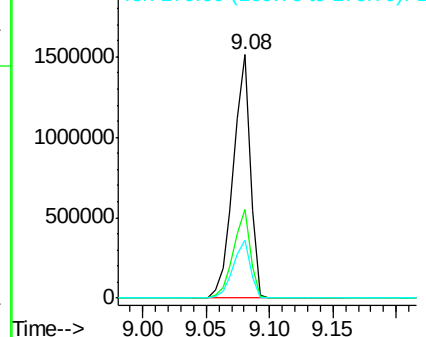


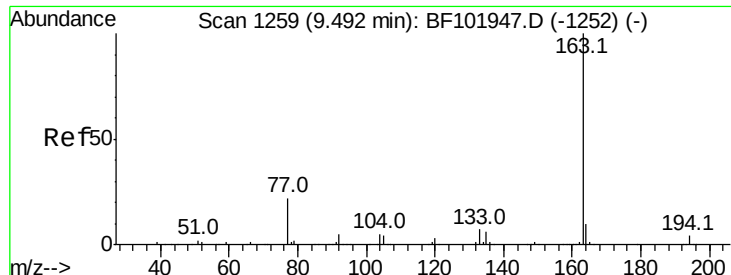
#44
 2-Fluorobiphenyl
 Concen: 83.638 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.9	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

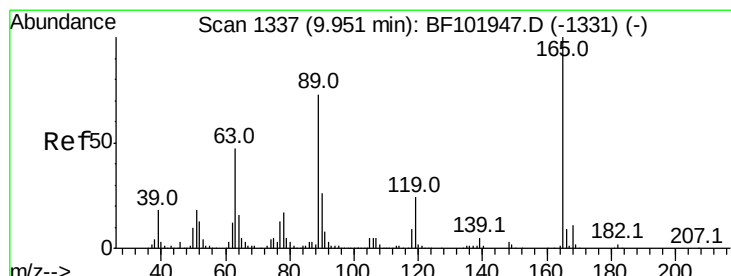
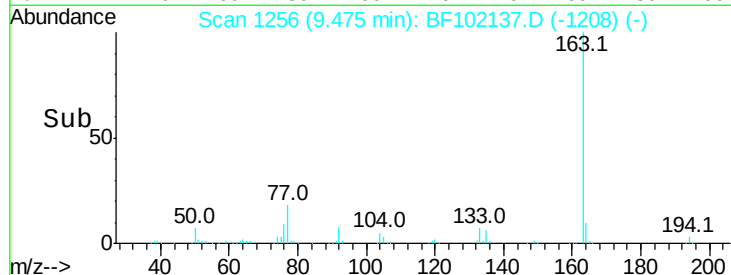
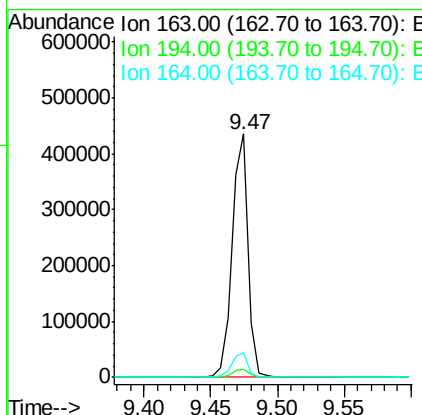
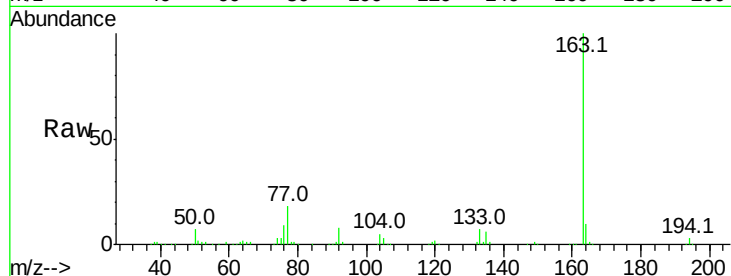




#49
 Dimethylphthalate
 Concen: 17.357 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

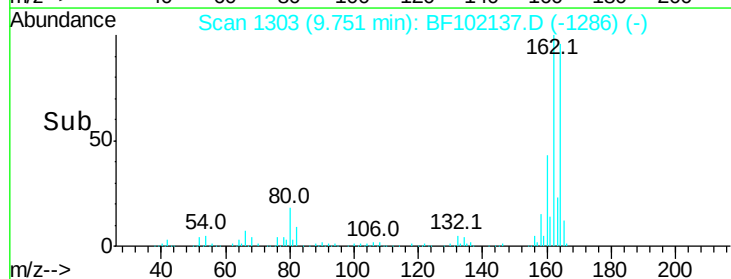
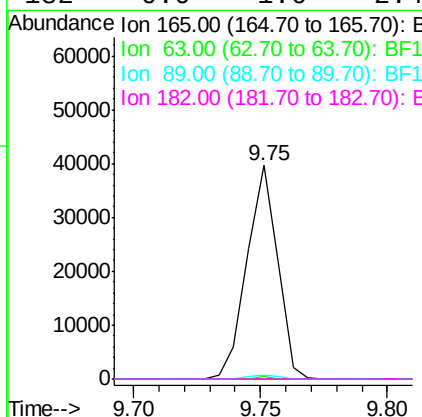
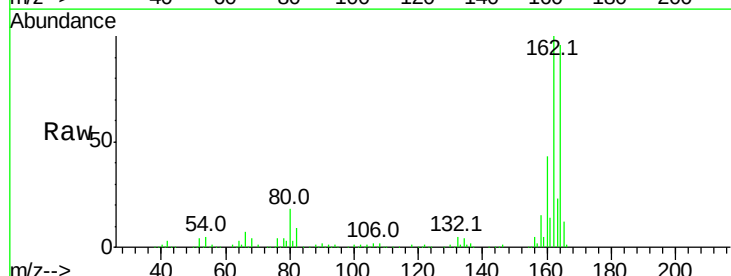
Instrument :
 BNA_F
 ClientSampled :

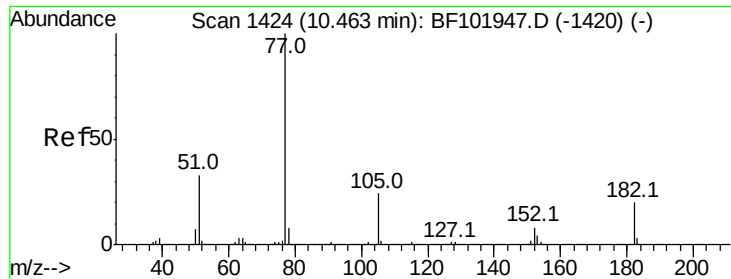
Tot Ion:	163	Resp:	365703
Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.0	8.2	12.2



#56
 2,4-Dinitrotoluene
 Concen: 6.350 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

Tgt Ion:	165	Resp:	33497
Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 15.333 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 319731

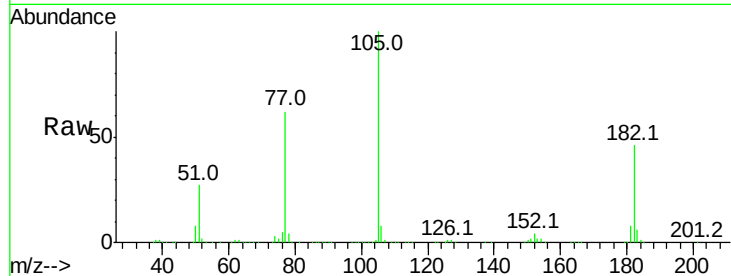
Ion Ratio Lower Upper

77 100

182 74.3 1.7 41.7#

105 160.0 3.0 43.0#

51 43.0 9.9 49.9

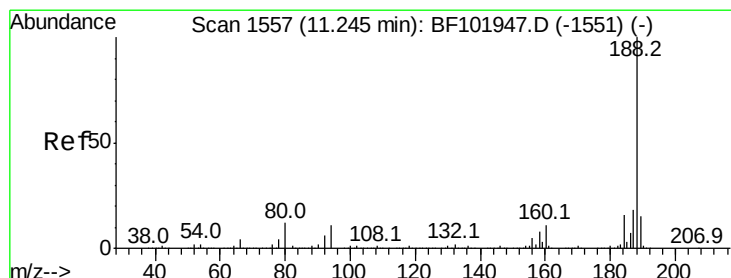
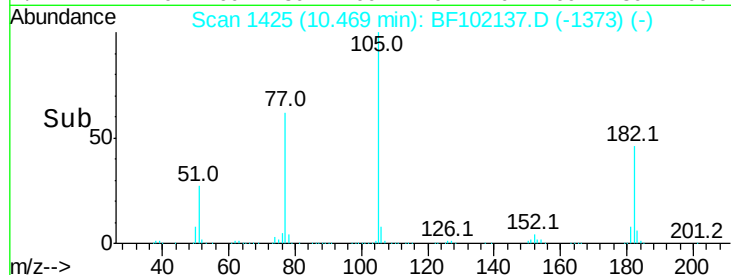
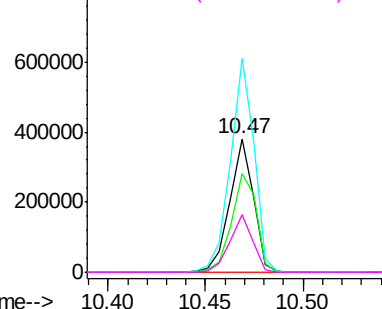


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

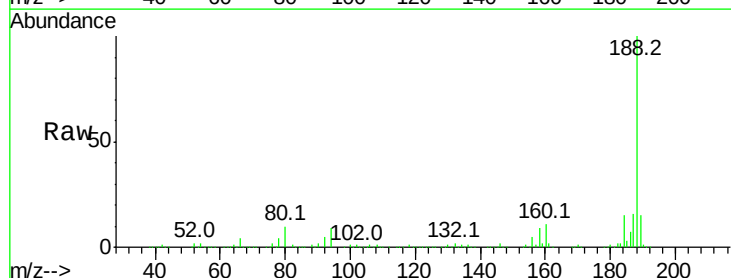
Tgt Ion: 188 Resp: 397361

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

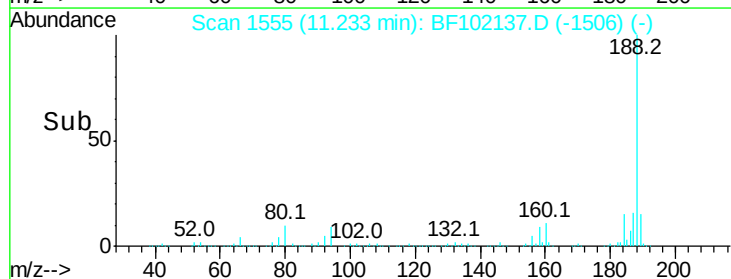
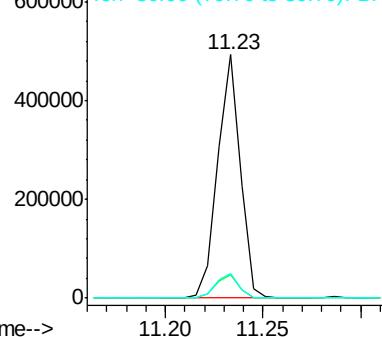
80 10.1 9.2 13.8

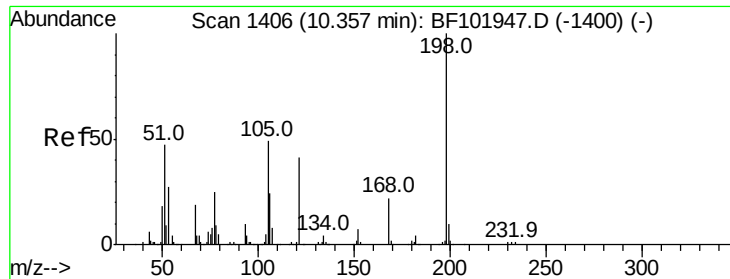


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

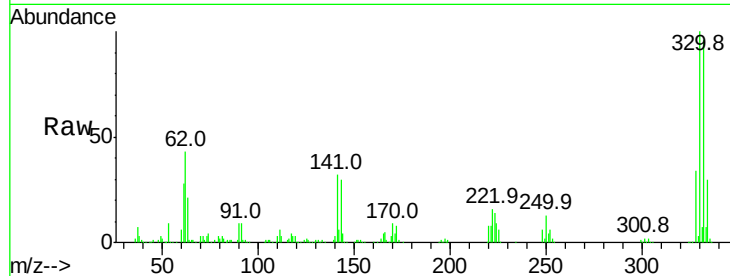




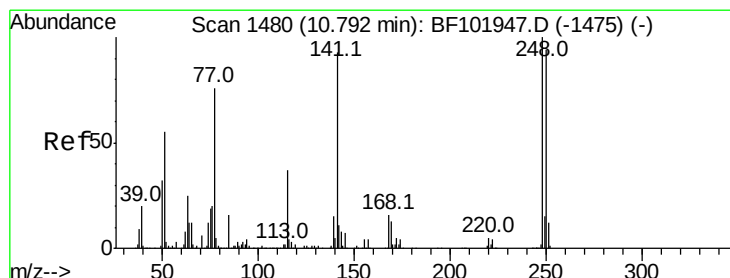
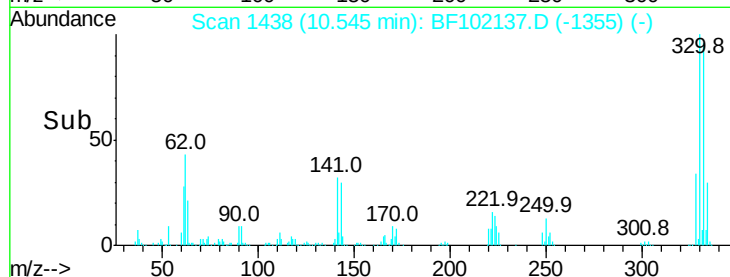
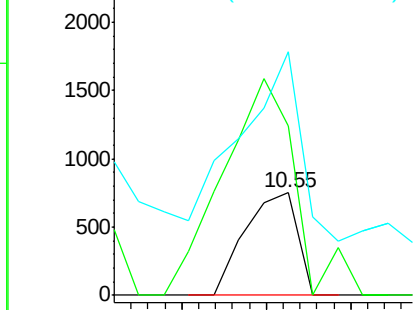
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.927 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 647
 Ion Ratio Lower Upper
 198 100
 51 164.5 37.7 77.7#
 105 237.0 36.3 76.3#

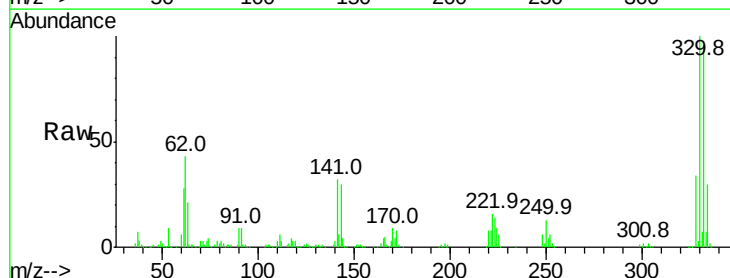


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

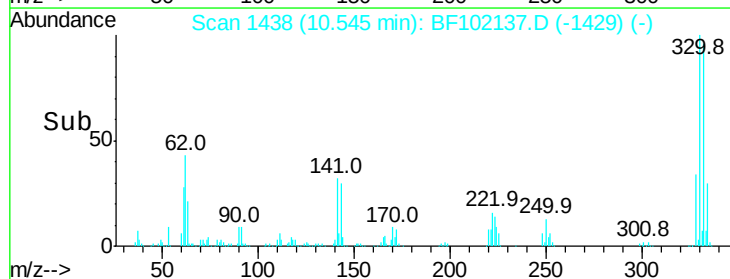
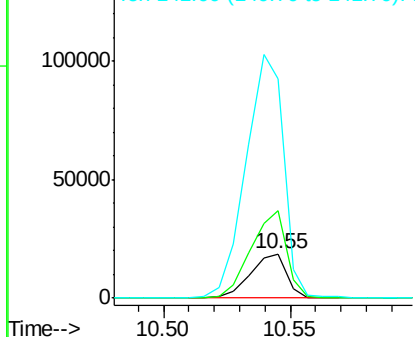


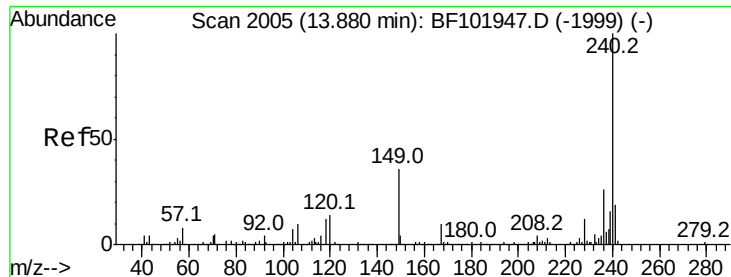
#66
 4-Bromophenyl-phenylether
 Concen: 4.427 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

Tgt Ion:248 Resp: 18577
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.9 115.3#
 141 491.3 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: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

Instrument :

BNA_F

ClientSampleId :

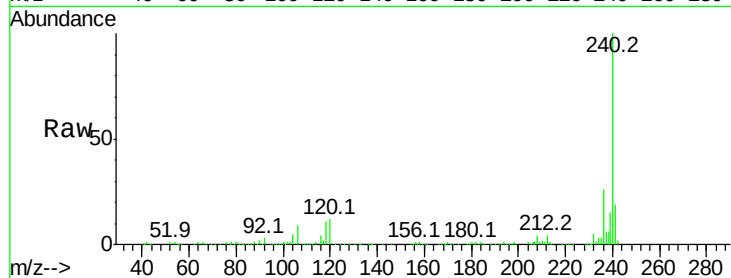
Tot Ion:240 Resp: 274634

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

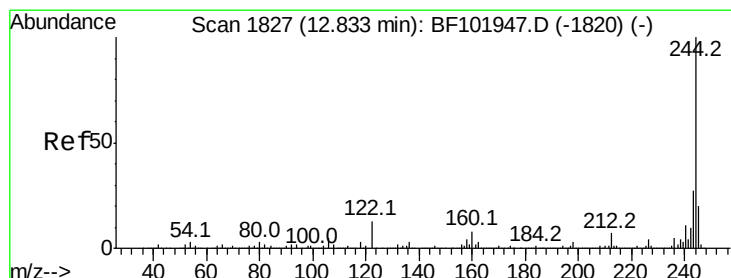
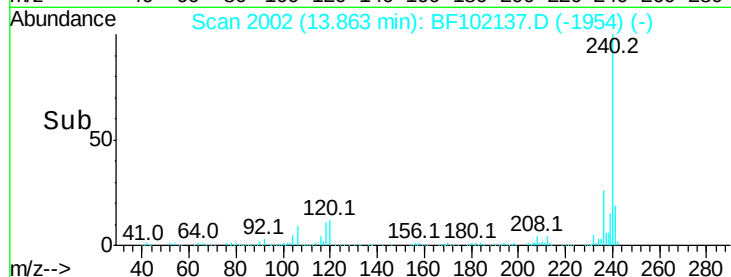
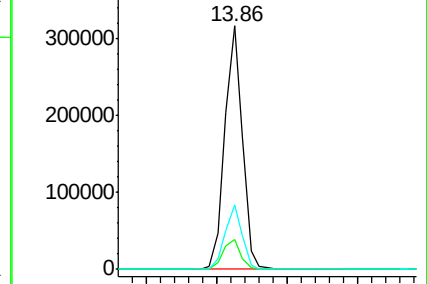
236 26.2 20.7 31.1



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: 68.628 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF102137.D

Acq: 17 Jan 2018 3:43

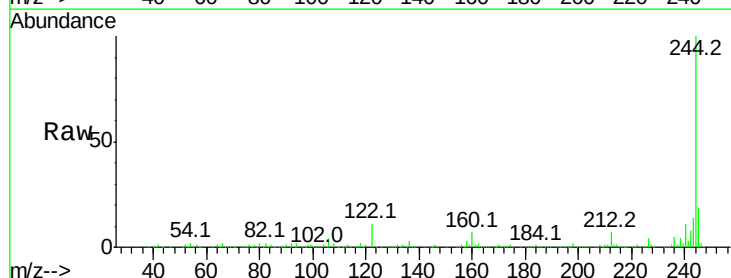
Tgt Ion:244 Resp: 907767

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

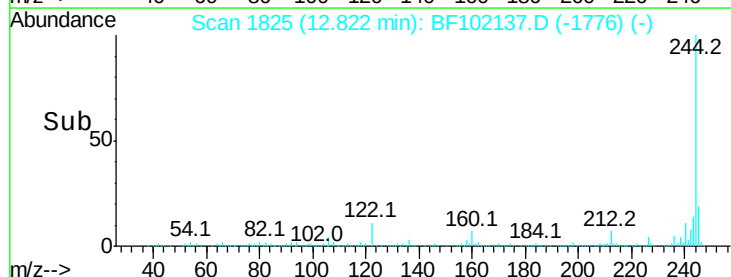
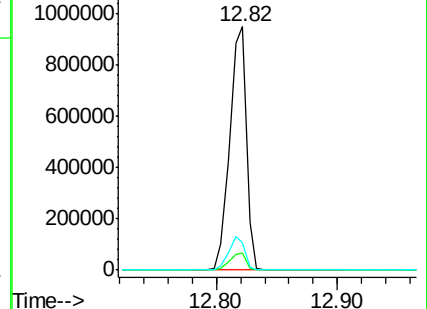
122 11.4 11.0 16.4

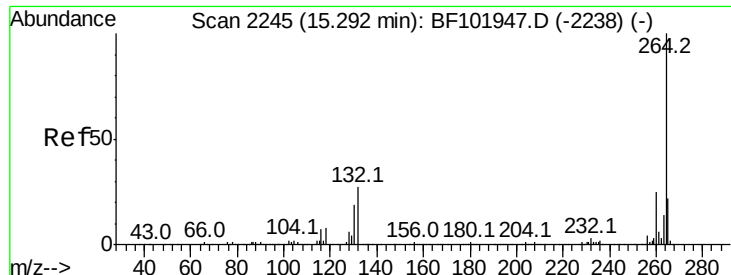


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

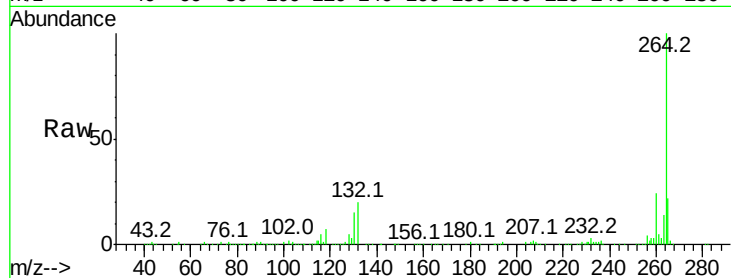




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102137.D
 Acq: 17 Jan 2018 3:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	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

