

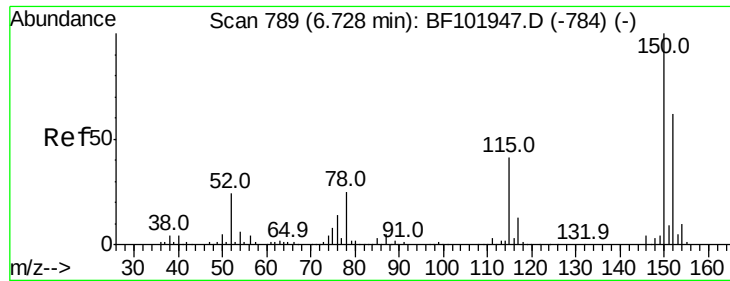
Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102247.D
 Acq On : 20 Jan 2018 5:06
 Operator : SJ/JU
 Sample : J1113-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 21 23:36:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	132562	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	523358	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	207387	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	309384	20.00	ng	0.00
75) Chrysene-d12	13.87	240	248132	20.00	ng	0.00
86) Perylene-d12	15.29	264	252234	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	945151	100.68	ng	0.00
7) Phenol-d6	6.36	99	1115157	99.56	ng	0.00
23) Nitrobenzene-d5	7.29	82	696754	78.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	197798	109.29	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1085080	81.74	ng	0.00
78) Terphenyl-d14	12.82	244	703491	58.87	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	19942	2.564	ng	83
10) Phenol	6.37	94	34132	2.697	ng	# 64
19) n-Nitroso-di-n-propylamine	7.29	70	91276	12.435	ng	# 79
25) Isophorone	7.29	82	696747	39.593	ng	# 64
49) Dimethylphthalate	9.47	163	112337	6.752	ng	99
56) 2,4-Dinitrotoluene	9.75	165	26230	6.297	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	408	5.876	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	13097	4.009	ng	# 1

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

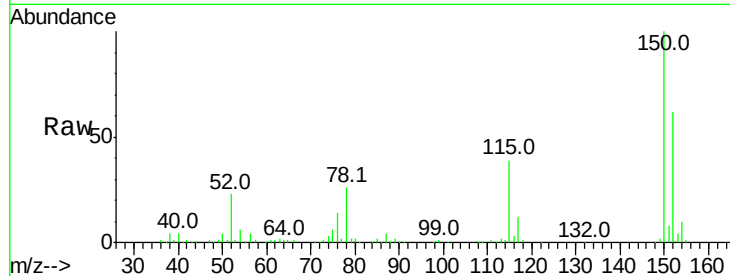


#1

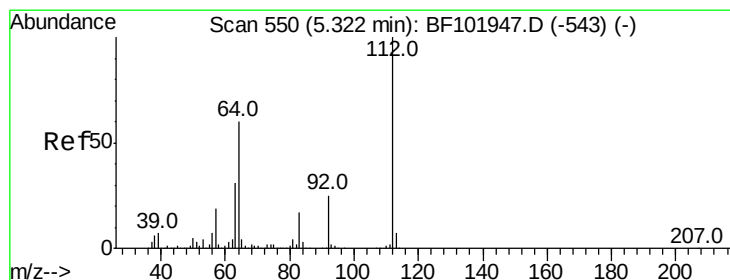
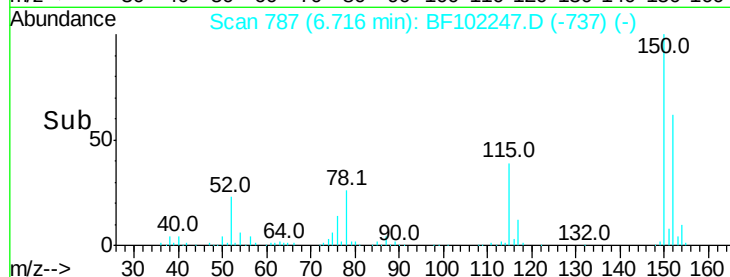
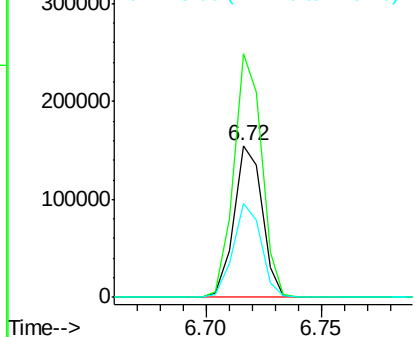
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102247.D
Acq: 20 Jan 2018 5:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132562
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.0 50.1 75.1



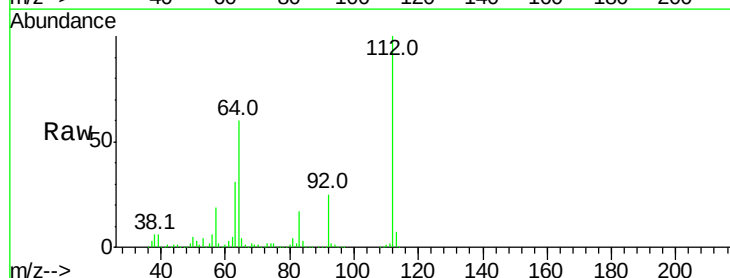
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



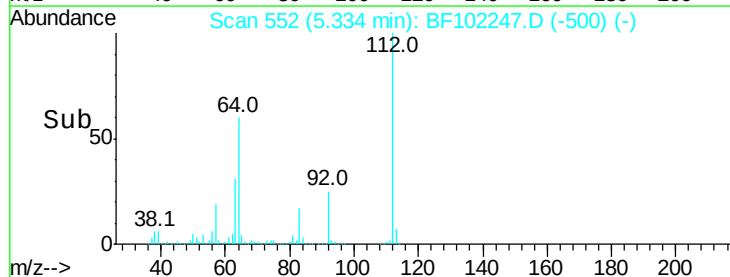
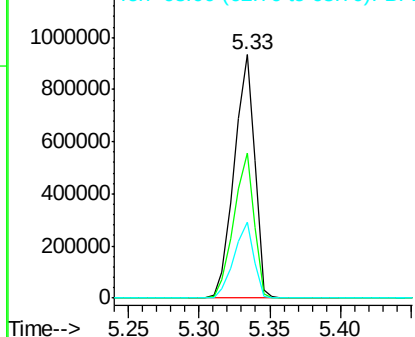
#5

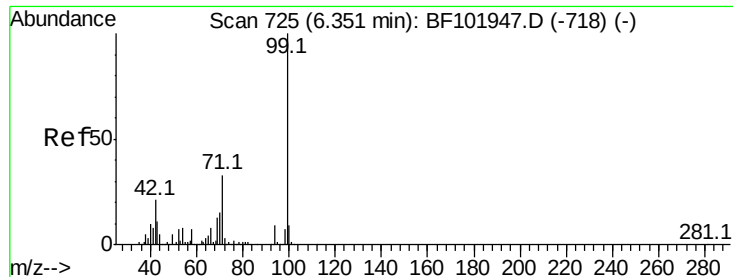
2-Fluorophenol
Concen: 100.680 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102247.D
Acq: 20 Jan 2018 5:06

Tgt Ion:112 Resp: 945151
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 31.2 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: 99.563 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Instrument :

BNA_F

ClientSampled :

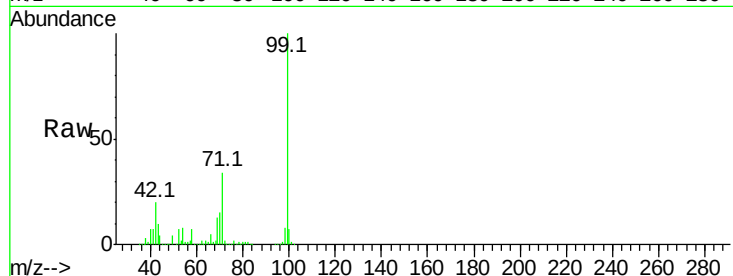
Tot Ion: 99 Resp: 1115157

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

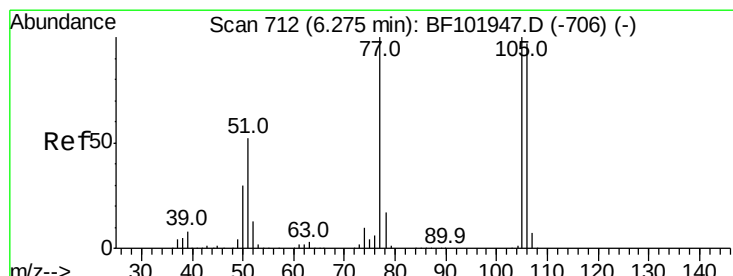
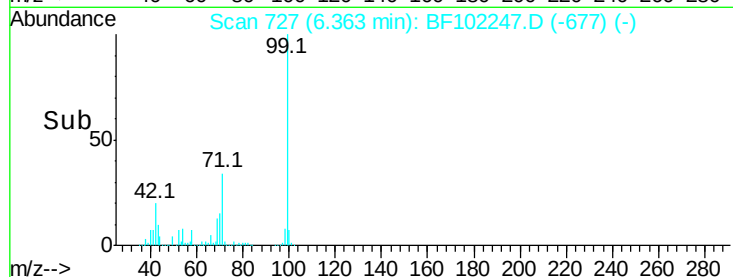
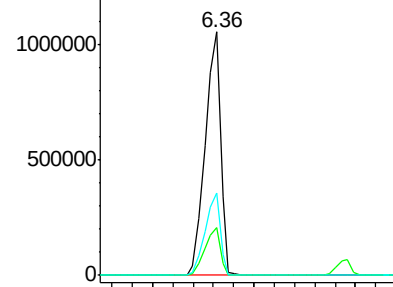
71 34.1 25.4 38.0



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: 2.564 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

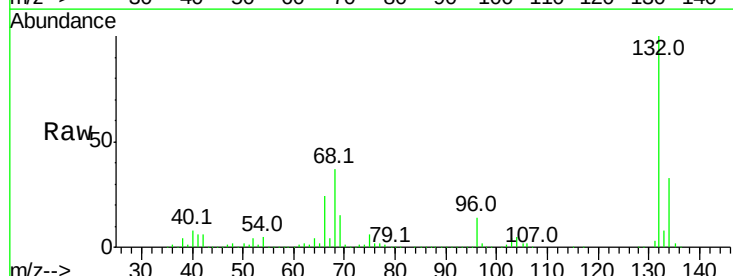
Tgt Ion: 77 Resp: 19942

Ion Ratio Lower Upper

77 100

105 84.0 81.1 121.1

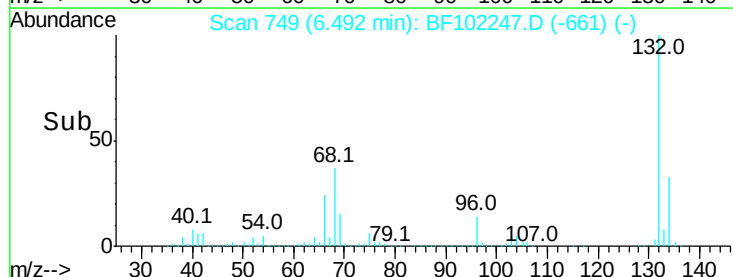
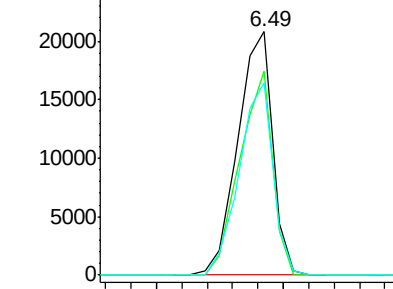
106 78.9 74.5 114.5

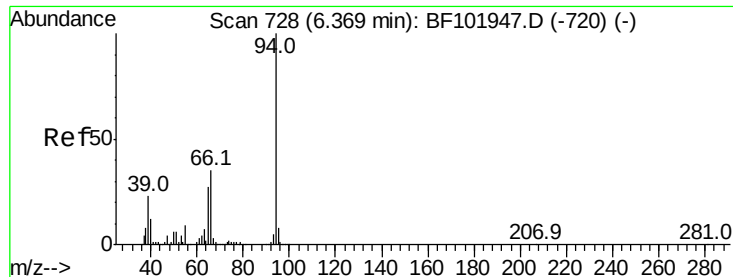


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.697 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Instrument :

BNA_F

ClientSampleId :

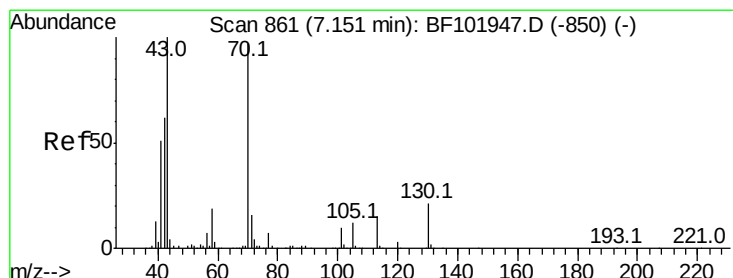
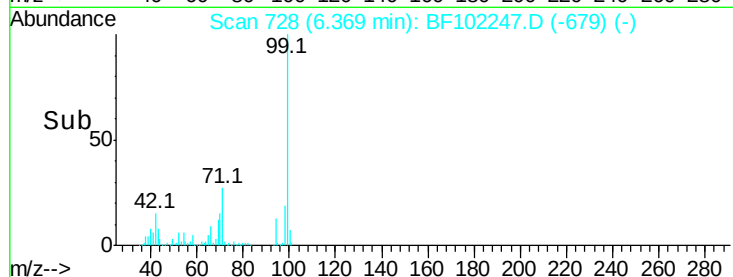
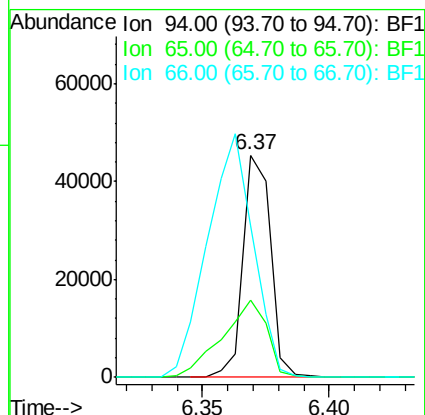
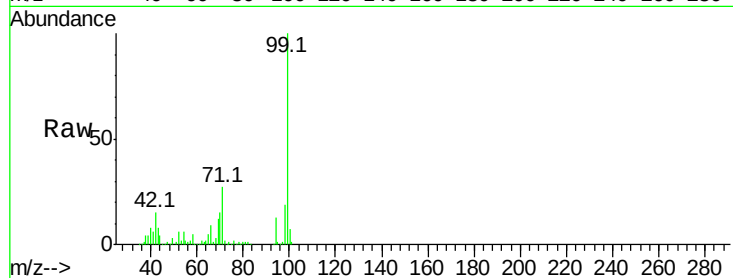
Tot Ion: 94 Resp: 34132

Ion Ratio Lower Upper

94 100

65 34.7 7.9 47.9

66 68.2 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 12.435 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Tgt Ion: 70 Resp: 91276

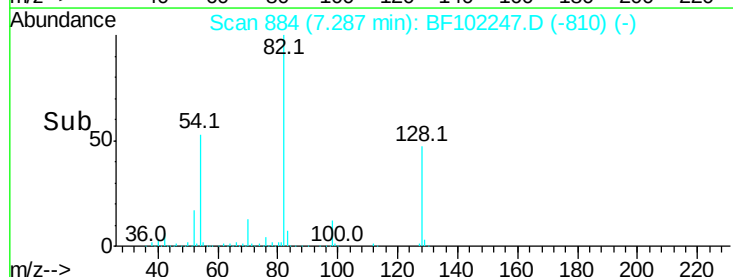
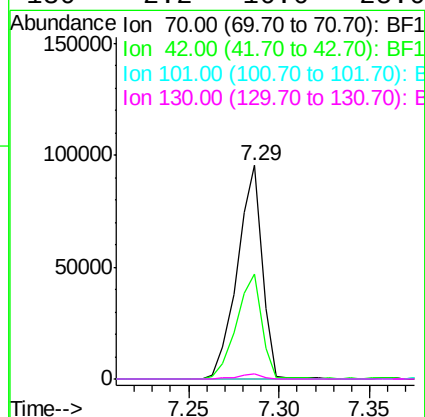
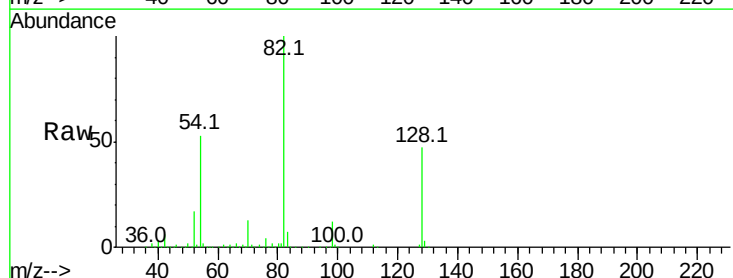
Ion Ratio Lower Upper

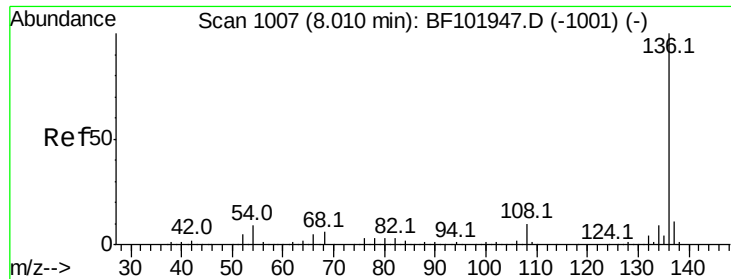
70 100

42 49.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

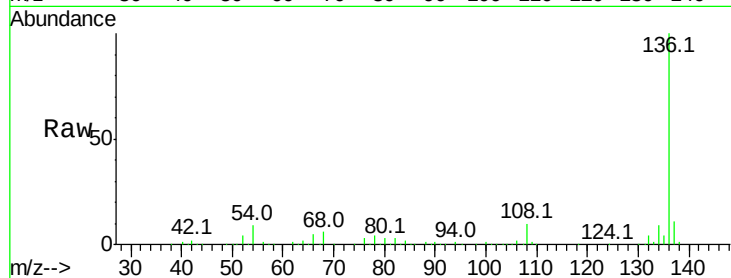




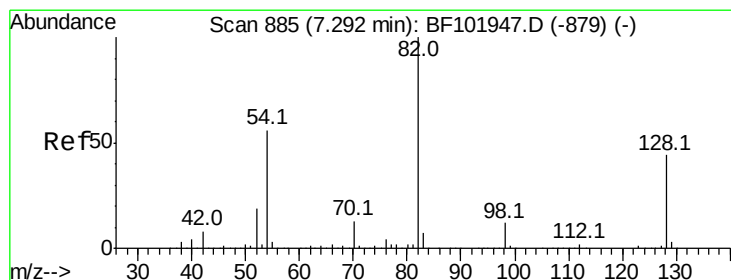
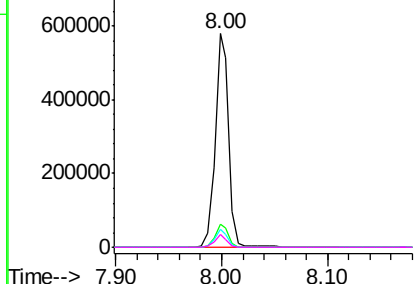
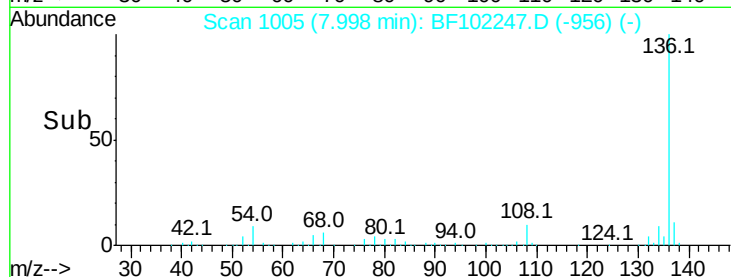
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102247.D
Acq: 20 Jan 2018 5:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	523358
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.7	6.6	9.8
68	5.8	5.0	7.4

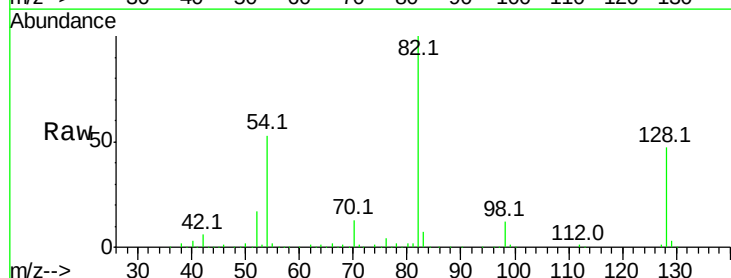


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

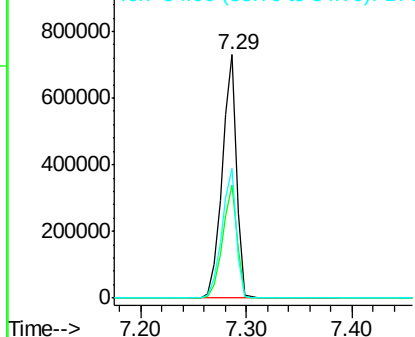
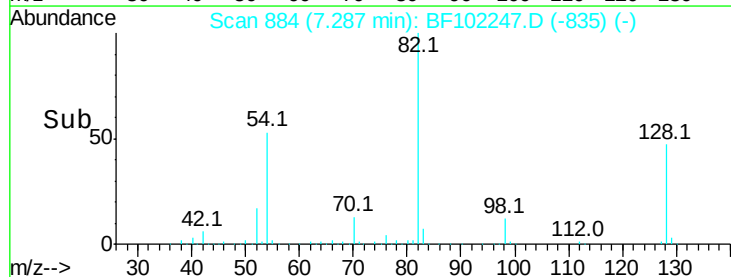


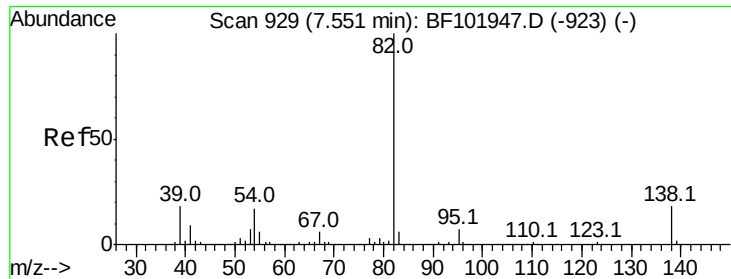
#23
Nitrobenzene-d5
Concen: 78.233 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102247.D
Acq: 20 Jan 2018 5:06

Tgt Ion:	82	Resp:	696754
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	53.4	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: 39.593 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Instrument :

BNA_F

ClientSampled :

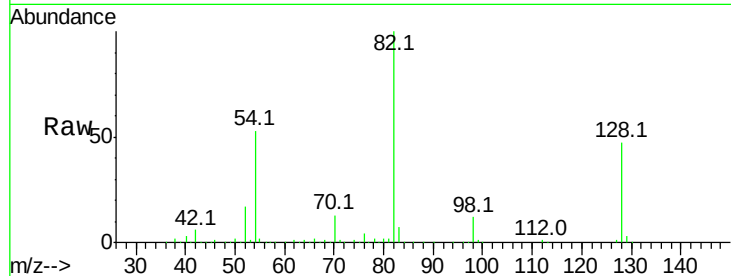
Tot Ion: 82 Resp: 696747

Ion Ratio Lower Upper

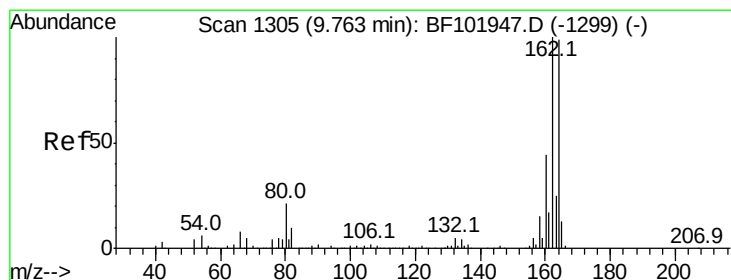
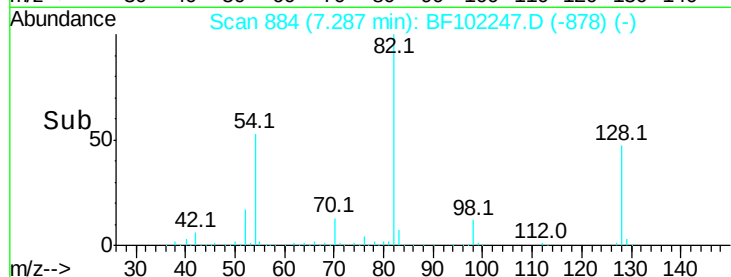
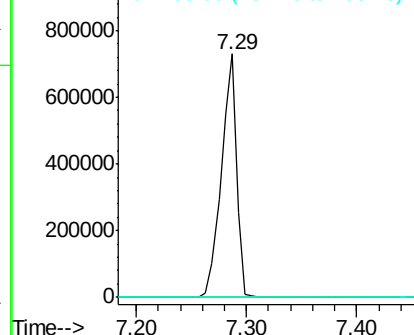
82 100

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: BF102247.D

Acq: 20 Jan 2018 5:06

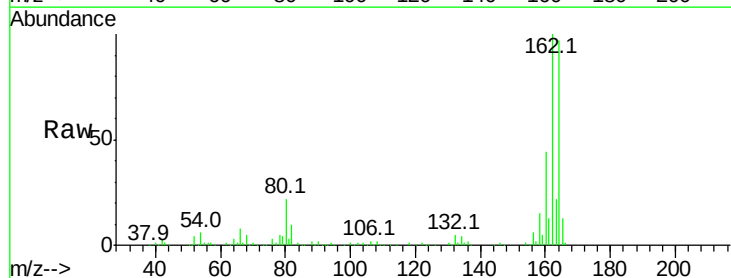
Tgt Ion:164 Resp: 207387

Ion Ratio Lower Upper

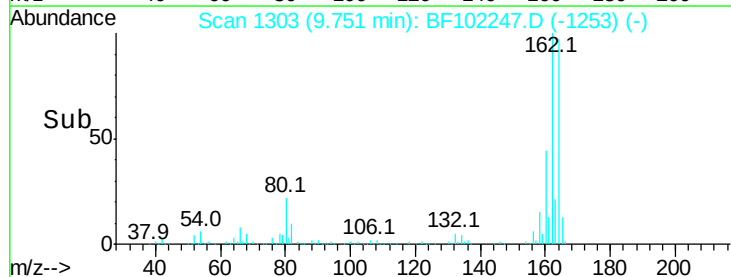
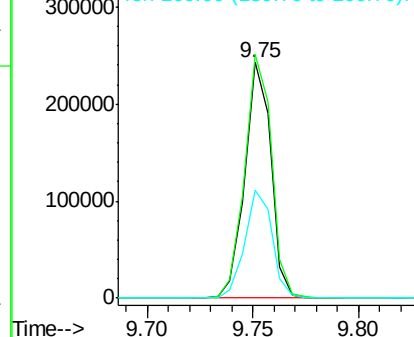
164 100

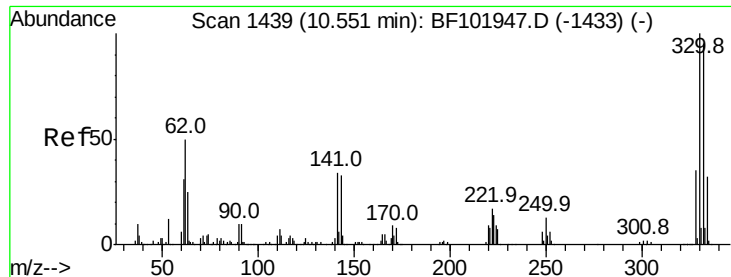
162 103.4 86.1 129.1

160 45.6 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 109.290 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Instrument :

BNA_F

ClientSampleId :

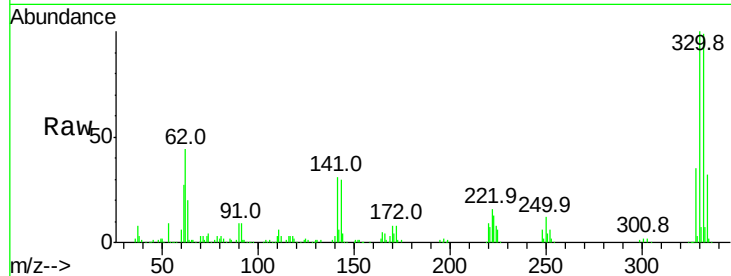
Tot Ion:330 Resp: 197798

Ion Ratio Lower Upper

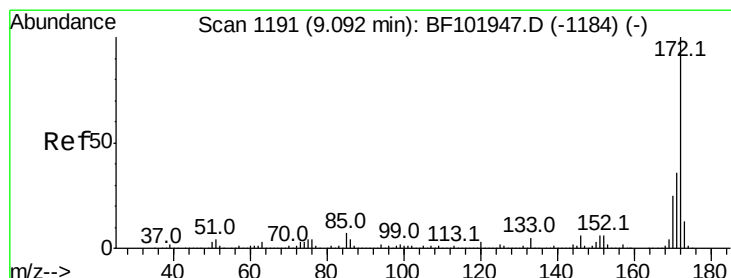
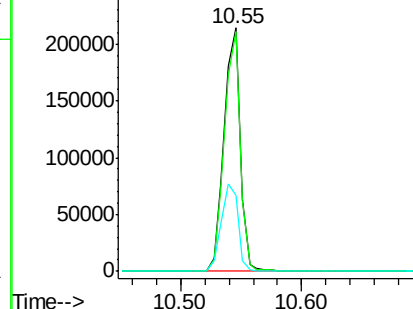
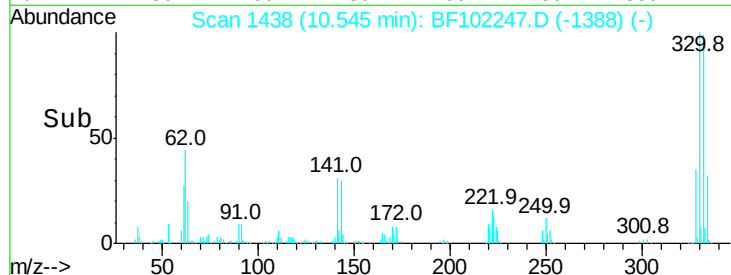
330 100

332 96.8 77.0 115.6

141 37.1 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: 81.740 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

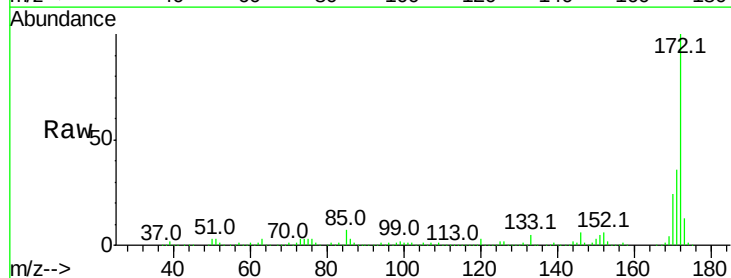
Tgt Ion:172 Resp: 1085080

Ion Ratio Lower Upper

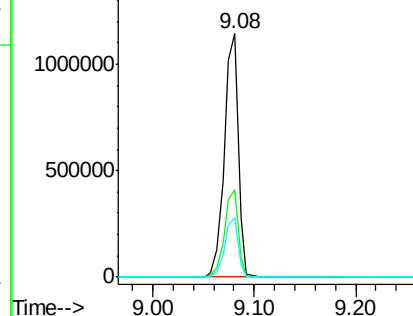
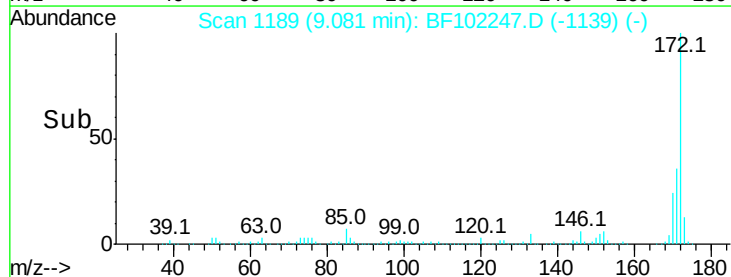
172 100

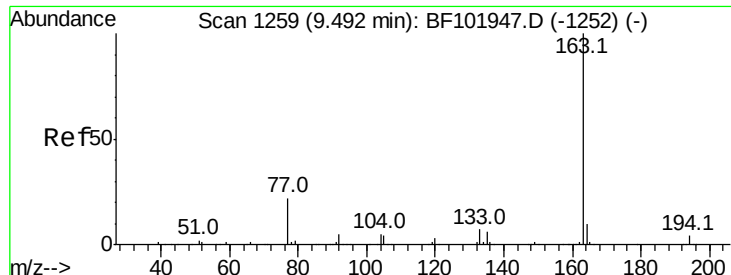
171 36.2 29.7 44.5

170 24.3 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: 6.752 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Instrument :

BNA_F

ClientSampleId :

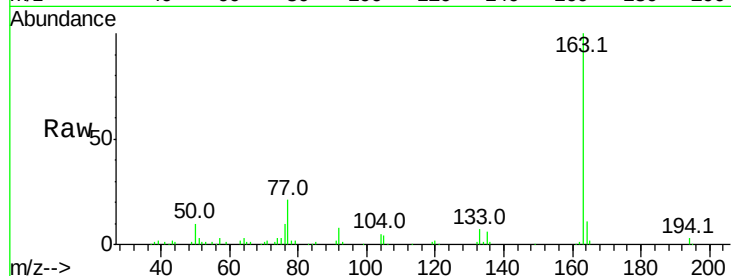
Tot Ion:163 Resp: 112337

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

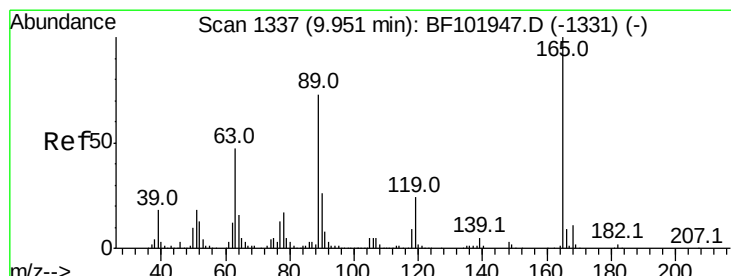
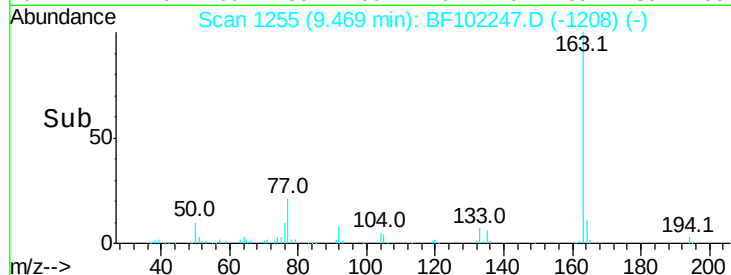
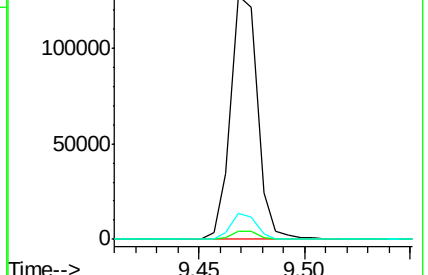
164 10.6 8.2 12.2



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: 6.297 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102247.D

Acq: 20 Jan 2018 5:06

Tgt Ion:165 Resp: 26230

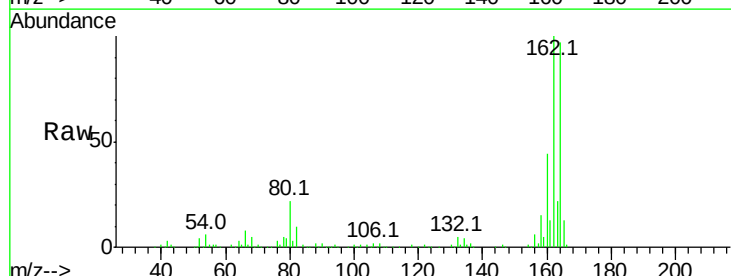
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

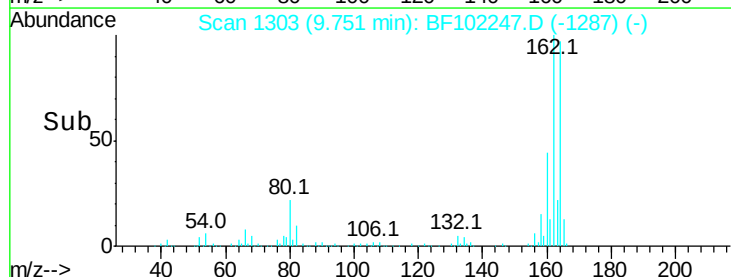
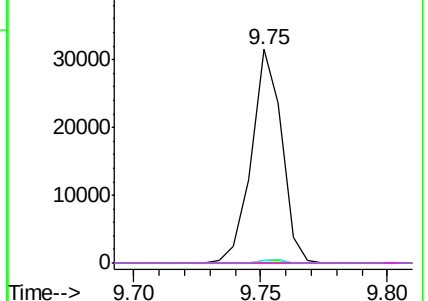


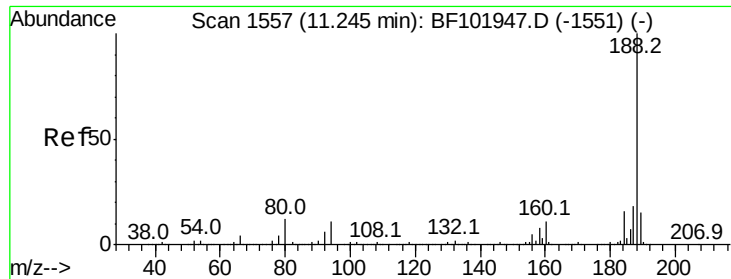
Abundance Ion 165.00 (164.70 to 165.70): E

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

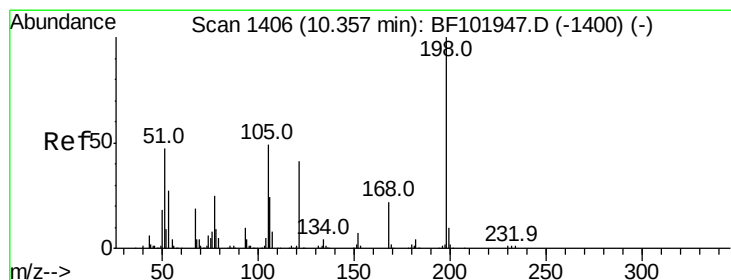
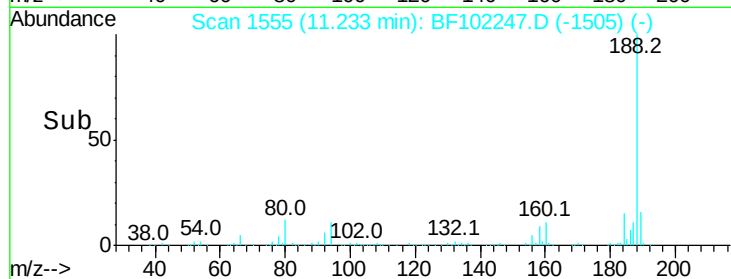
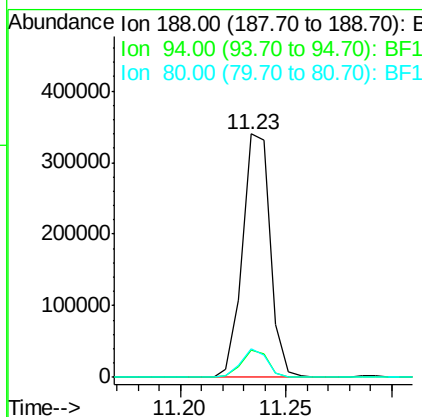
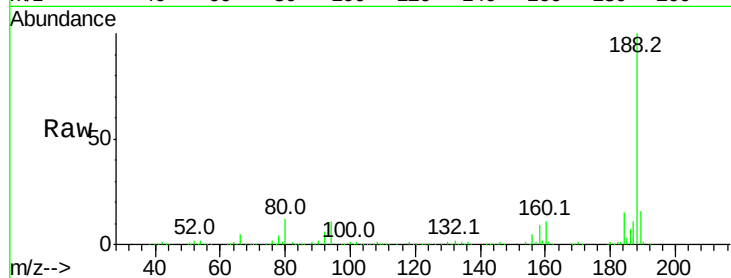




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF102247.D
 Acq: 20 Jan 2018 5:06

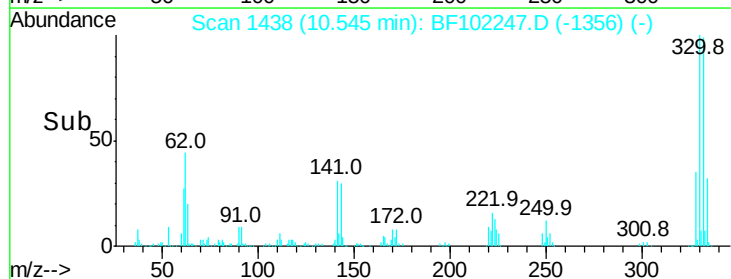
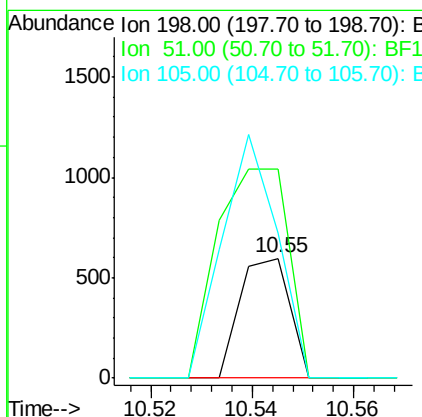
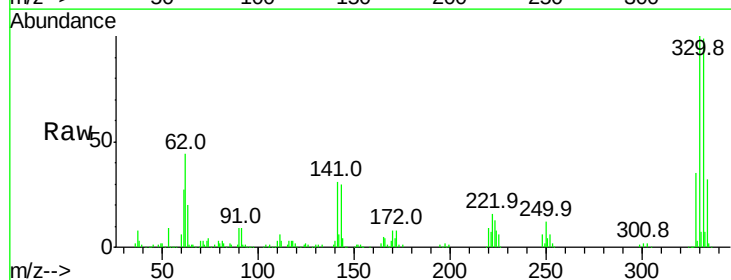
Instrument :
 BNA_F
 ClientSampleId :

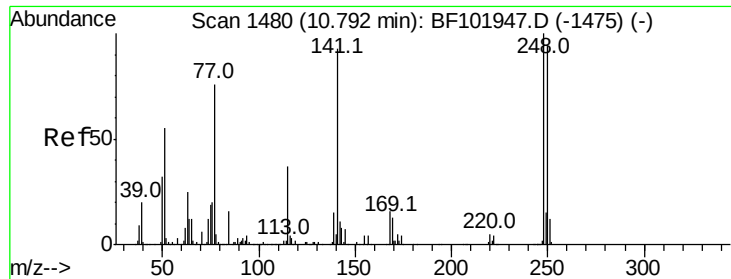
Tot Ion:188 Resp: 309384
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.5 12.7
 80 11.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.876 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF102247.D
 Acq: 20 Jan 2018 5:06

Tgt Ion:198 Resp: 408
 Ion Ratio Lower Upper
 198 100
 51 174.4 37.7 77.7#
 105 121.1 36.3 76.3#

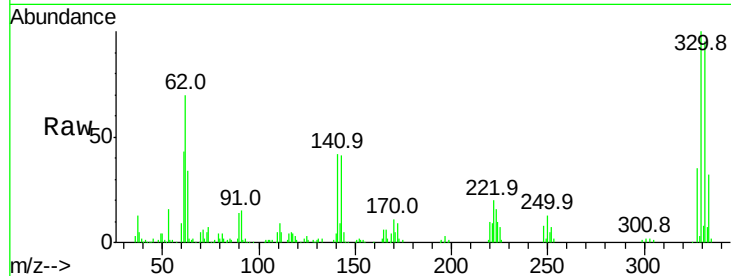




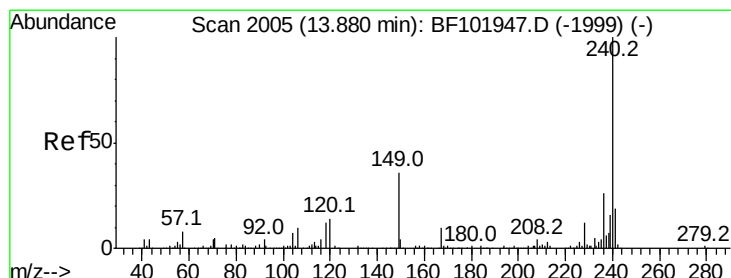
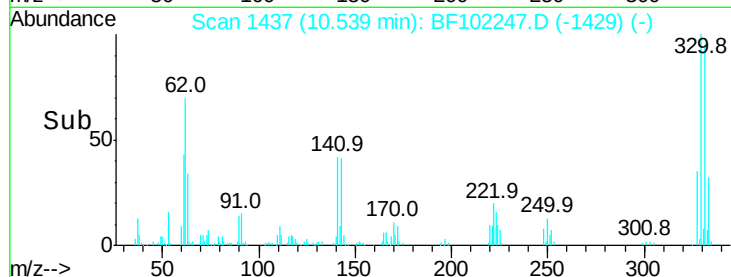
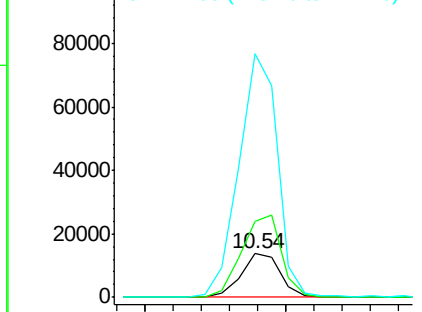
#66
 4-Bromophenyl-phenylether
 Concen: 4.009 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.25 min
 Lab File: BF102247.D
 Acq: 20 Jan 2018 5:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 13097
 Ion Ratio Lower Upper
 248 100
 250 176.7 76.9 115.3#
 141 562.2 74.4 111.6#

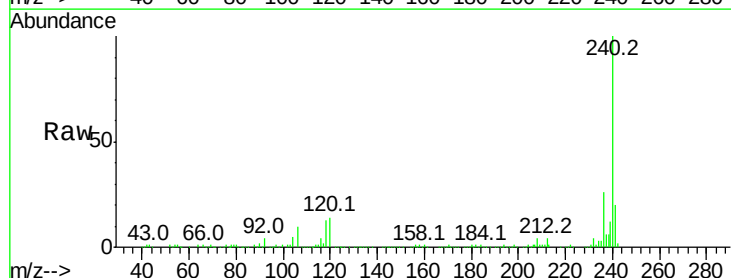


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

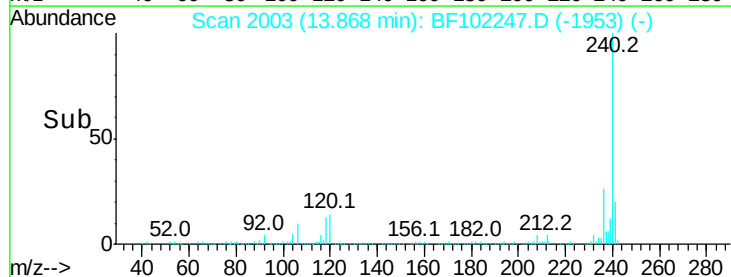
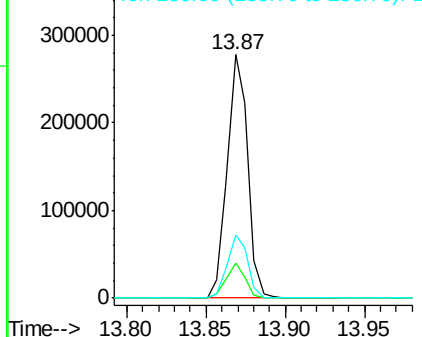


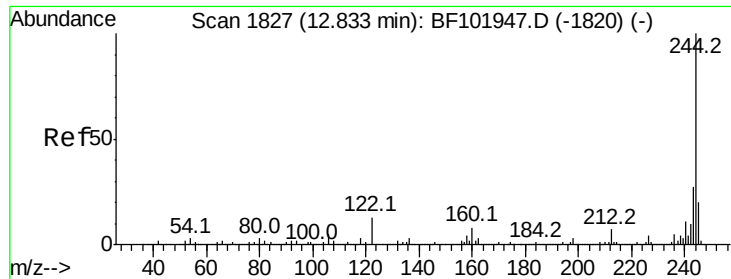
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF102247.D
 Acq: 20 Jan 2018 5:06

Tgt Ion:240 Resp: 248132
 Ion Ratio Lower Upper
 240 100
 120 14.3 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

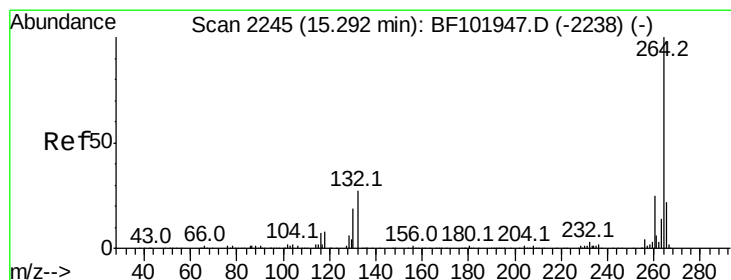
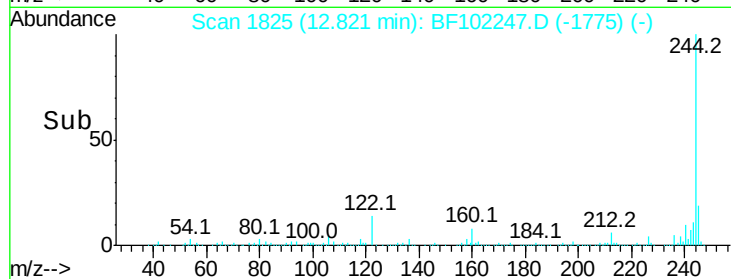
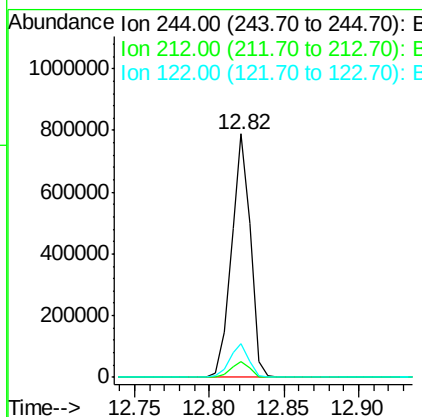
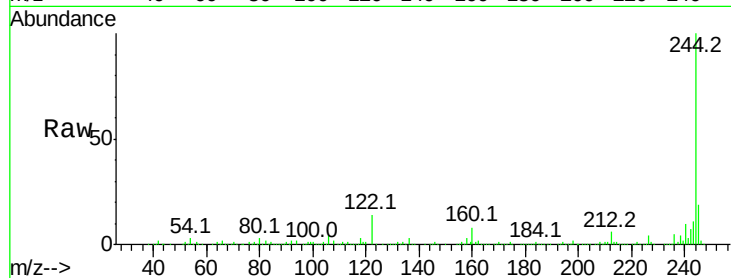




#78
 Terphenyl-d14
 Concen: 58.865 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102247.D
 Acq: 20 Jan 2018 5:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 703491
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 13.8 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BF102247.D
 Acq: 20 Jan 2018 5:06

Tgt Ion:264 Resp: 252234
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 20.8 17.5 26.3

