

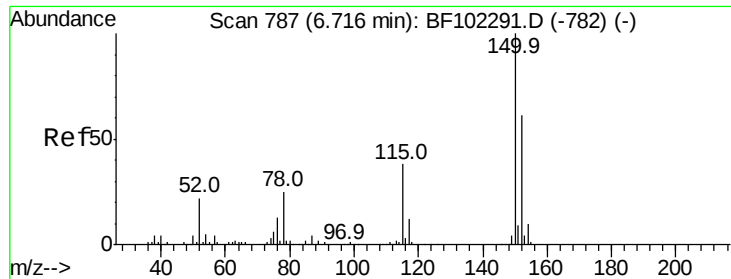
Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102623.D
 Acq On : 30 Jan 2018 3:21
 Operator : SJ/JU
 Sample : J1253-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 04:50:09 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	174041	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	692128	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	293140	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	421283	20.00	ng	0.00
75) Chrysene-d12	13.87	240	284678	20.00	ng	0.00
86) Perylene-d12	15.30	264	293803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1275654	111.14	ng	0.01
7) Phenol-d6	6.36	99	1601950	115.76	ng	0.00
23) Nitrobenzene-d5	7.28	82	983484	81.66	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	246729	84.94	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1447360	72.60	ng	0.00
78) Terphenyl-d14	12.82	244	889733	70.46	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	27099	2.822	ng	84
10) Phenol	6.37	94	76711	5.078	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	126286	14.912	ng	# 81
25) Isophorone	7.28	82	983558	45.808	ng	# 64
49) Dimethylphthalate	9.47	163	282615	11.664	ng	99
56) 2,4-Dinitrotoluene	9.75	165	37943	5.906	ng	# 23
62) Azobenzene	10.46	77	43663	2.025	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	16604	3.661	ng	# 1

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

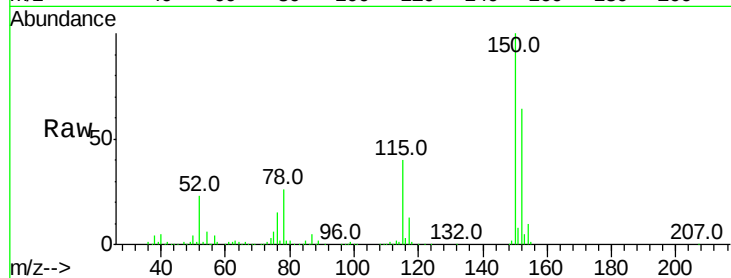


#1

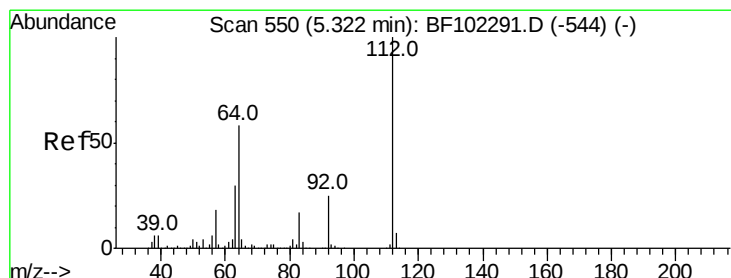
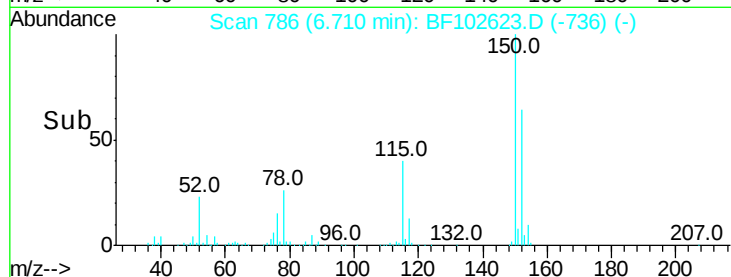
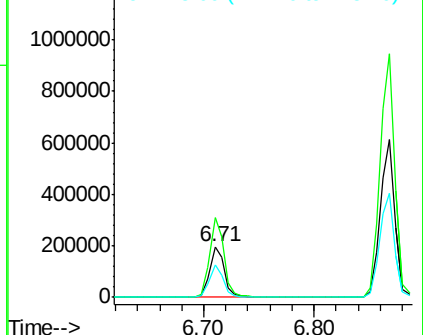
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102623.D
Acq: 30 Jan 2018 3:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174041
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 63.2 50.1 75.1



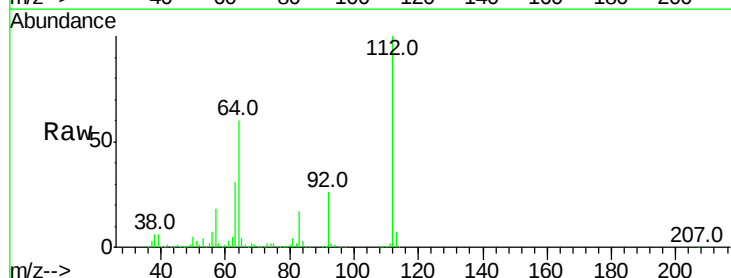
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



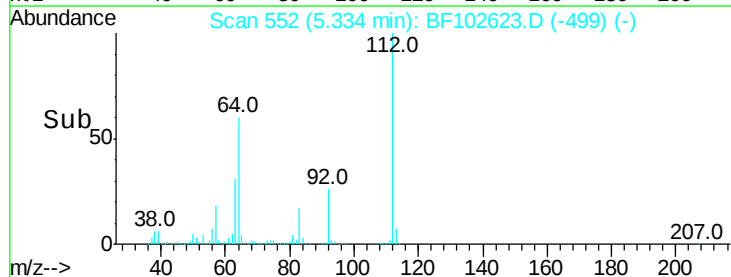
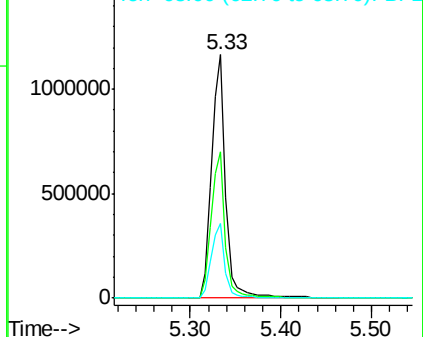
#5

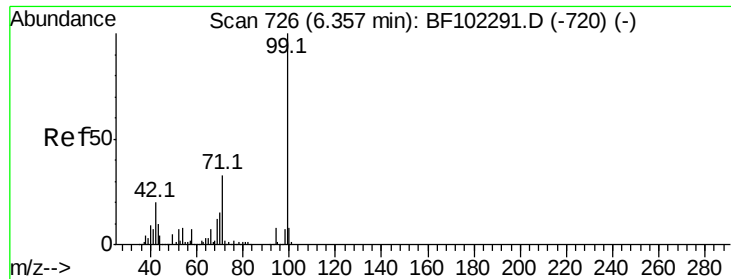
2-Fluorophenol
Concen: 111.136 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102623.D
Acq: 30 Jan 2018 3:21

Tgt Ion:112 Resp: 1275654
Ion Ratio Lower Upper
112 100
64 60.3 47.9 71.9
63 30.8 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: 115.763 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampleId :

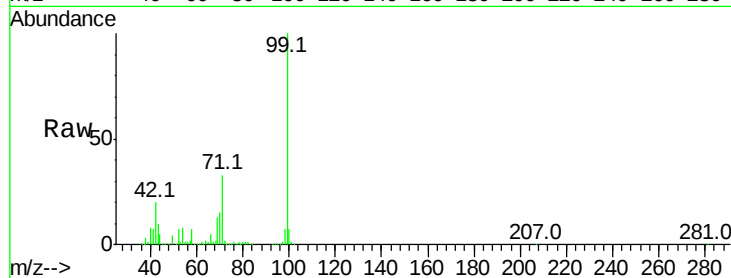
Tot Ion: 99 Resp: 1601950

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

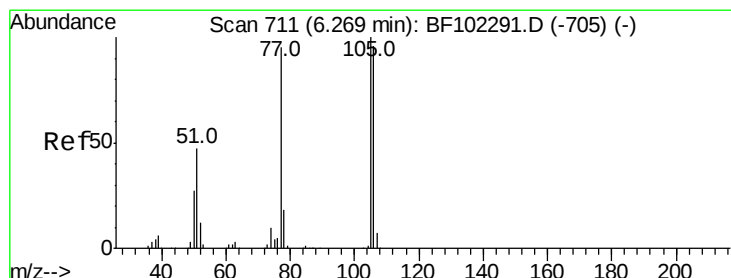
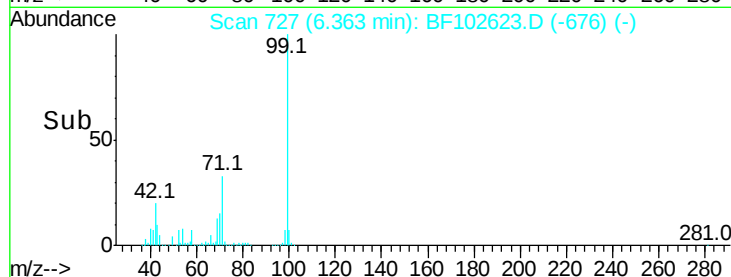
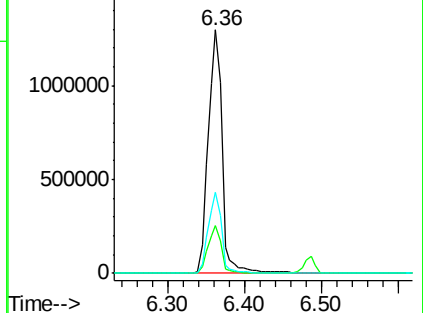
71 33.5 25.4 38.0



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: 2.822 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

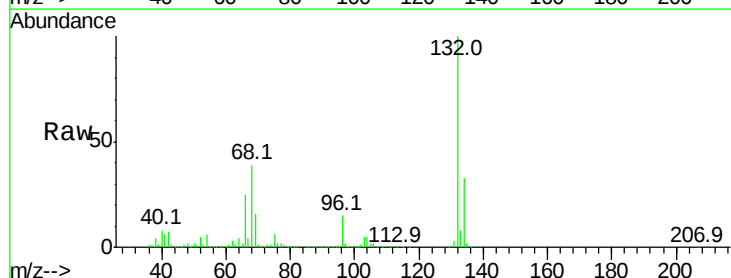
Tgt Ion: 77 Resp: 27099

Ion Ratio Lower Upper

77 100

105 82.8 81.1 121.1

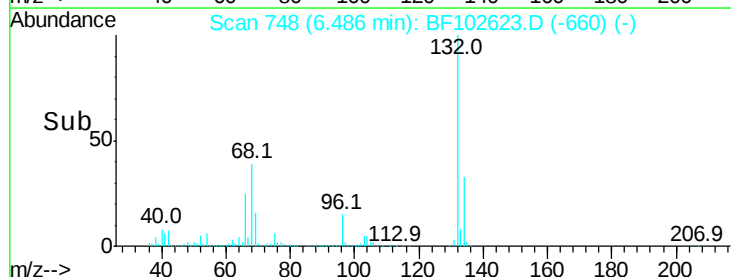
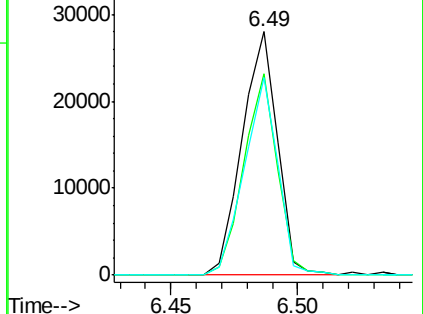
106 81.4 74.5 114.5

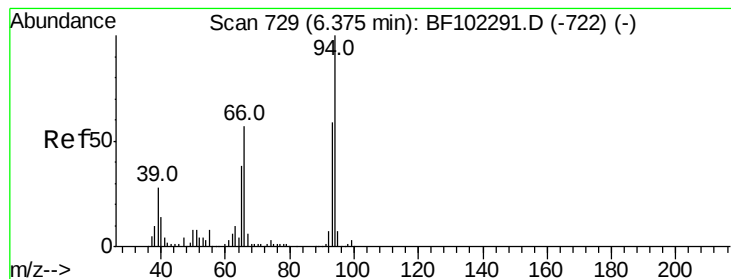


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 5.078 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampled :

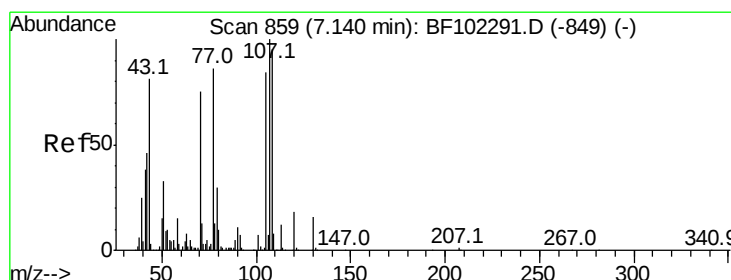
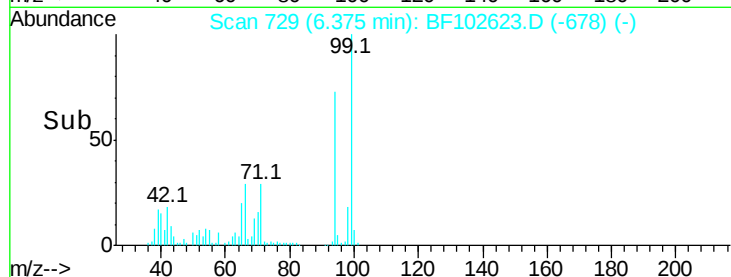
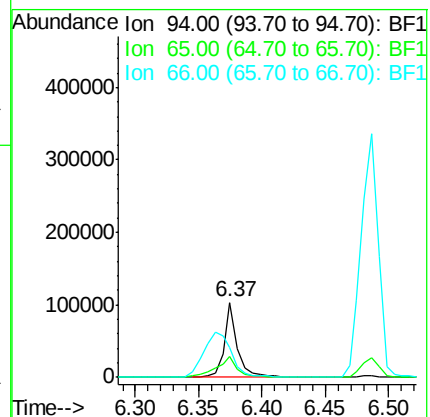
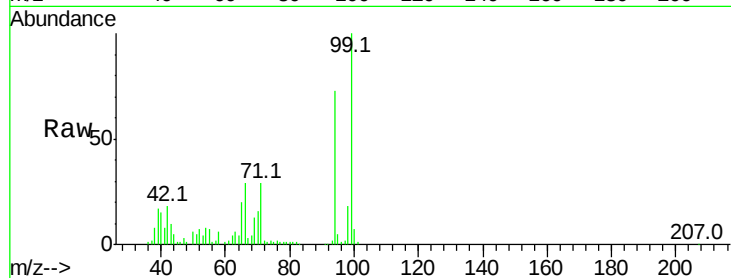
Tot Ion: 94 Resp: 76711

Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

66 39.8 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.912 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Tgt Ion: 70 Resp: 126286

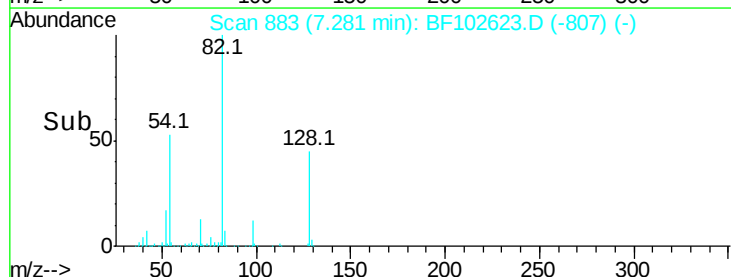
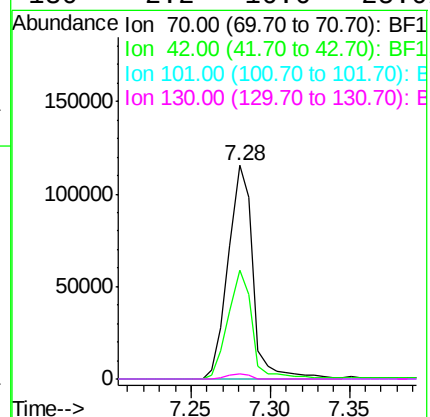
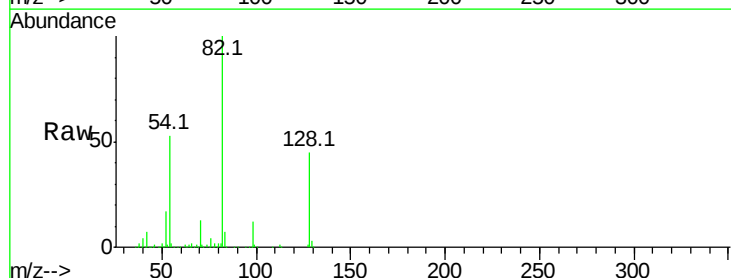
Ion Ratio Lower Upper

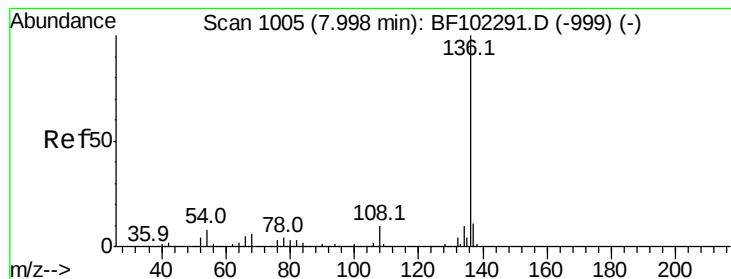
70 100

42 50.8 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: 7.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 692128

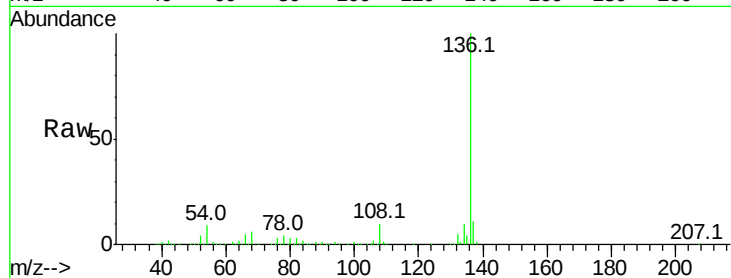
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.5 6.6 9.8

68 6.2 5.0 7.4

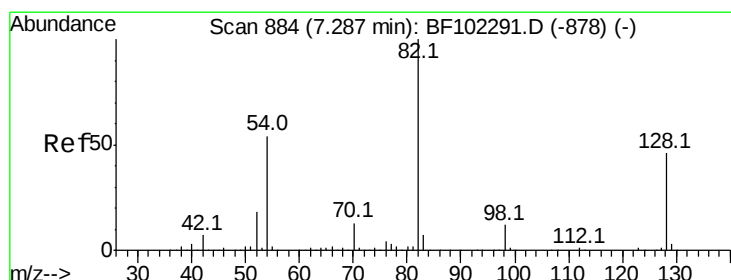
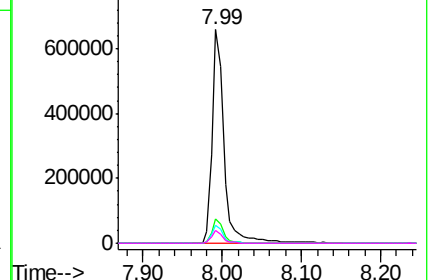
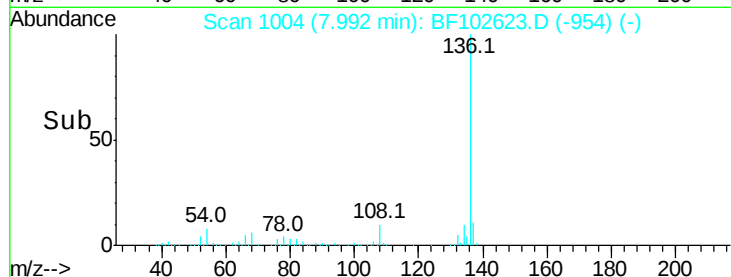


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.658 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

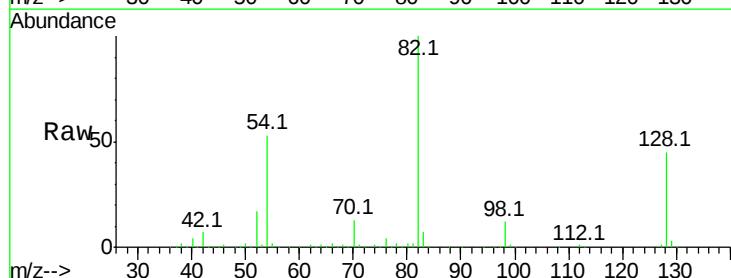
Tgt Ion: 82 Resp: 983484

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

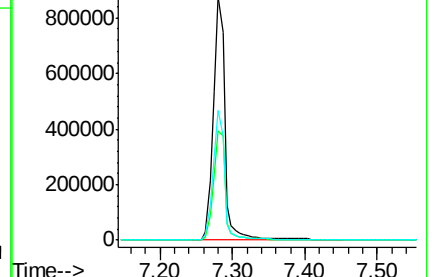
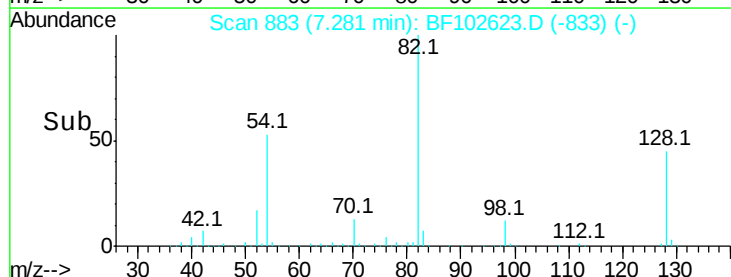
54 53.2 41.4 62.2

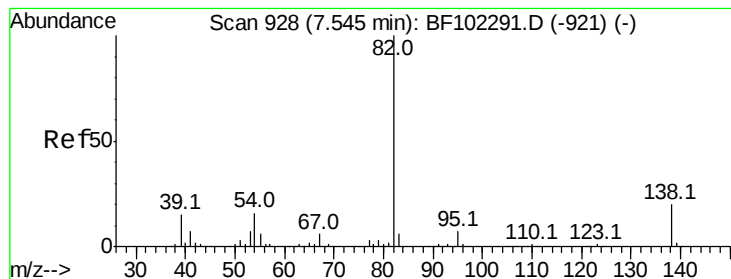


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.808 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampleId :

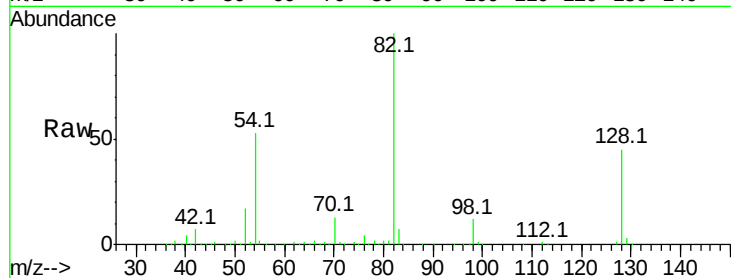
Tot Ion: 82 Resp: 983558

Ion Ratio Lower Upper

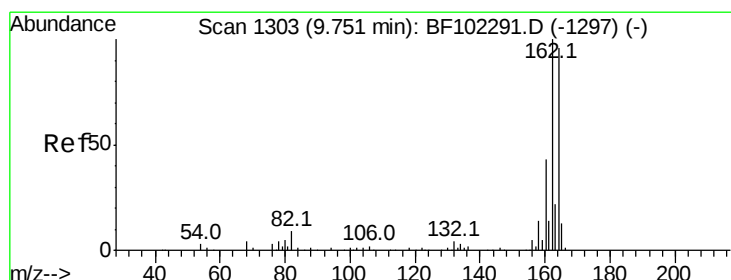
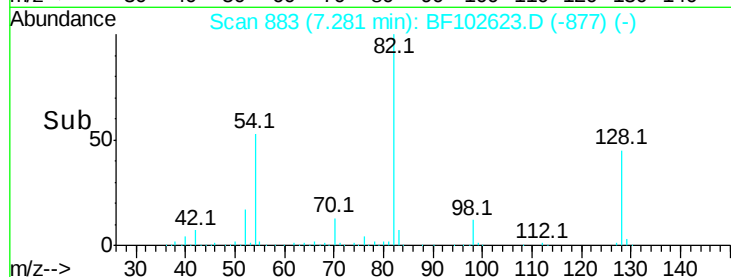
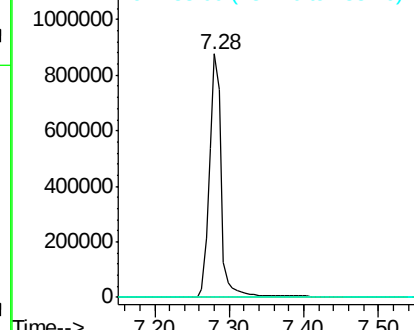
82 100

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# 1302

Delta R.T. -0.01 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

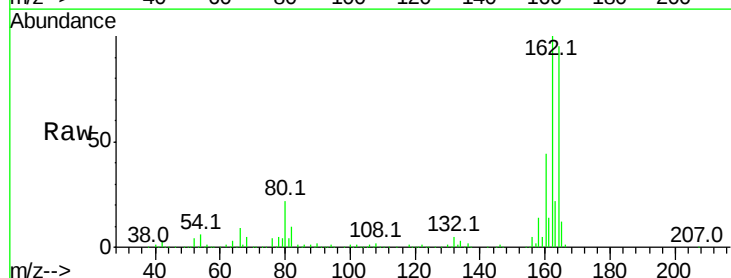
Tgt Ion:164 Resp: 293140

Ion Ratio Lower Upper

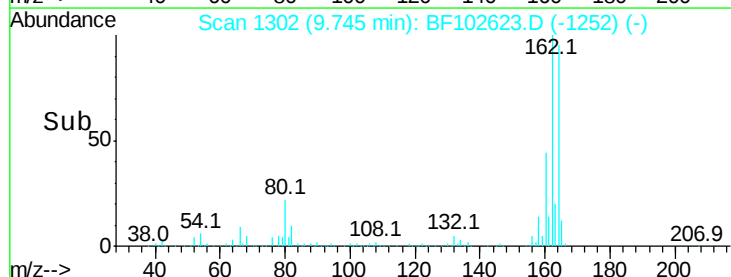
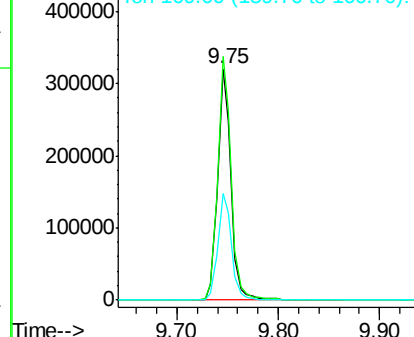
164 100

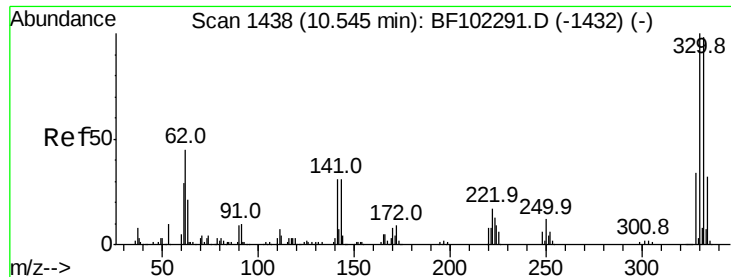
162 105.2 86.1 129.1

160 46.0 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

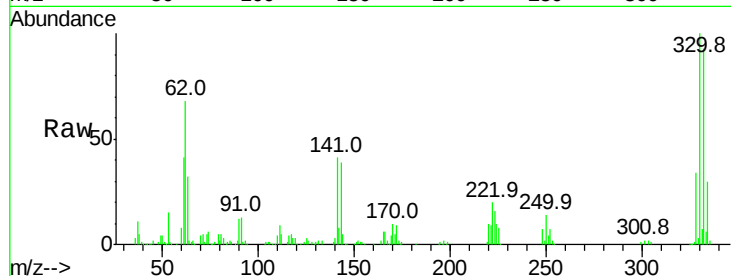




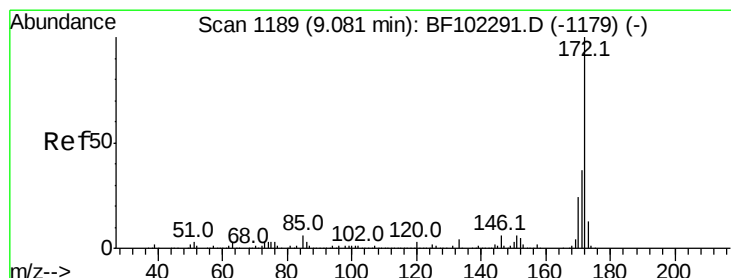
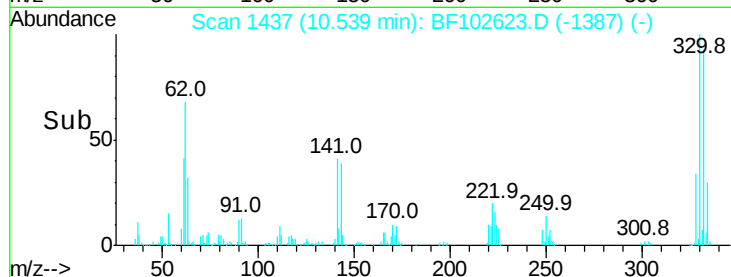
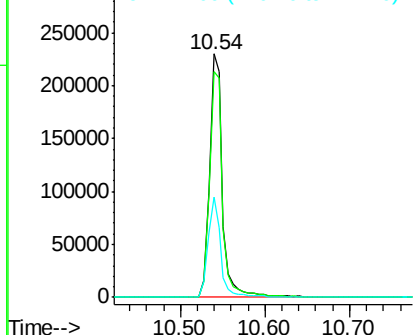
#41
 2,4,6-Tribromophenol
 Concen: 84.944 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102623.D
 Acq: 30 Jan 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 246729
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 40.5 29.9 44.9

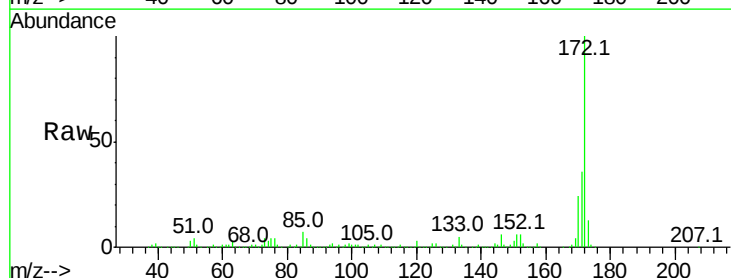


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

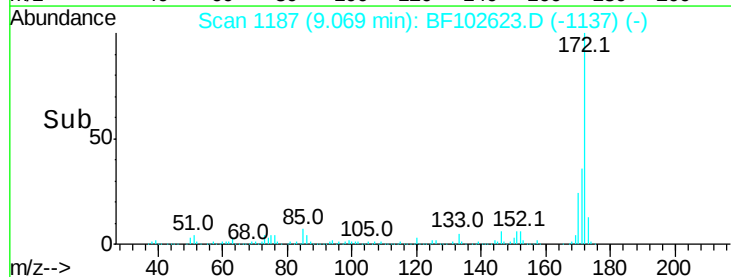
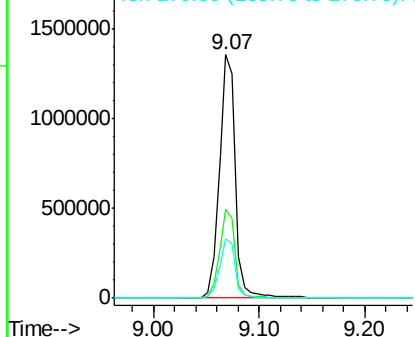


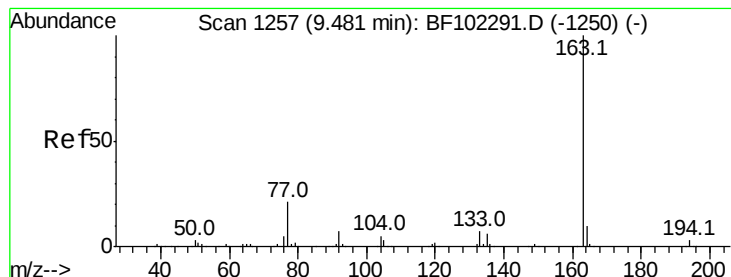
#44
 2-Fluorobiphenyl
 Concen: 72.598 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102623.D
 Acq: 30 Jan 2018 3:21

Tgt Ion:172 Resp: 1447360
 Ion Ratio Lower Upper
 172 100
 171 36.4 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: 11.664 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampleId :

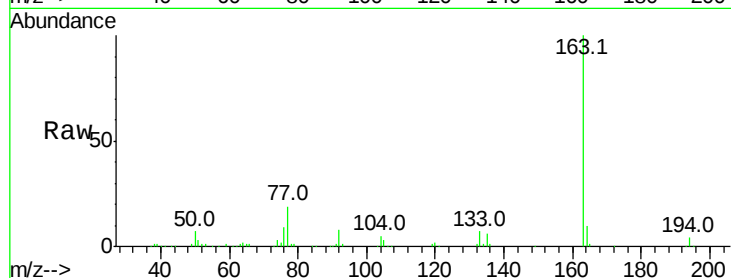
Tot Ion:163 Resp: 282615

Ion Ratio Lower Upper

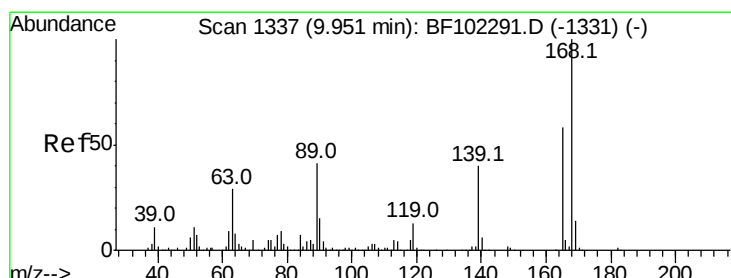
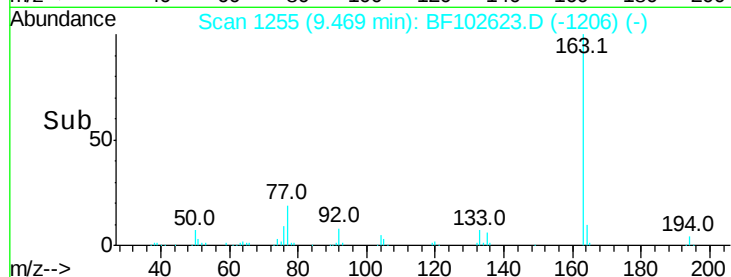
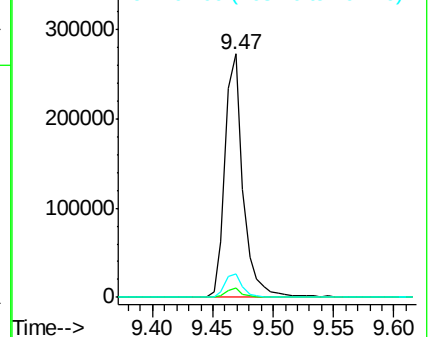
163 100

194 3.6 2.7 4.1

164 9.6 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: 5.906 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Tgt Ion:165 Resp: 37943

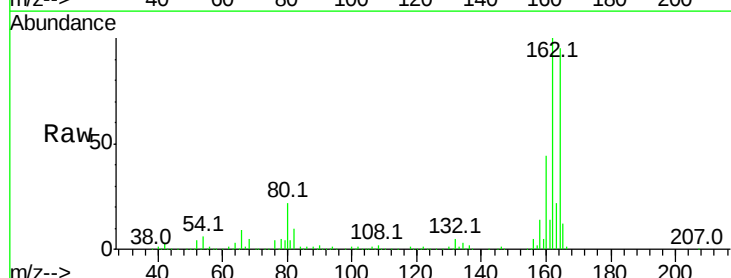
Ion Ratio Lower Upper

165 100

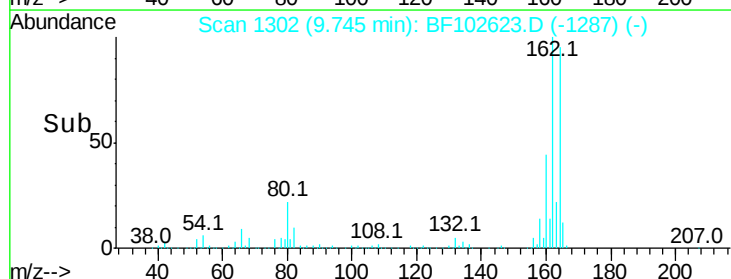
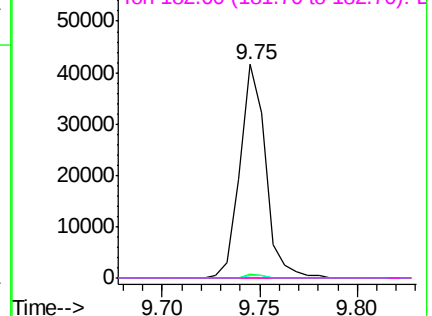
63 1.5 36.4 54.6#

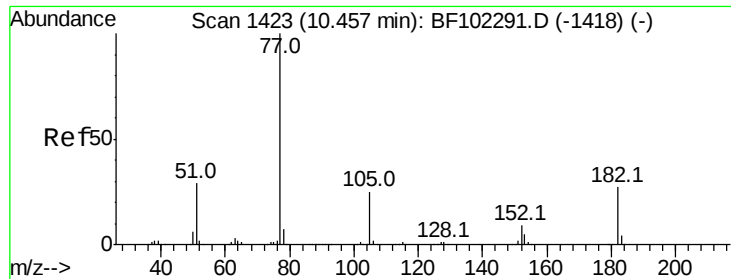
89 1.5 57.8 86.6#

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





#62

Azobenzene

Concen: 2.025 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 43663

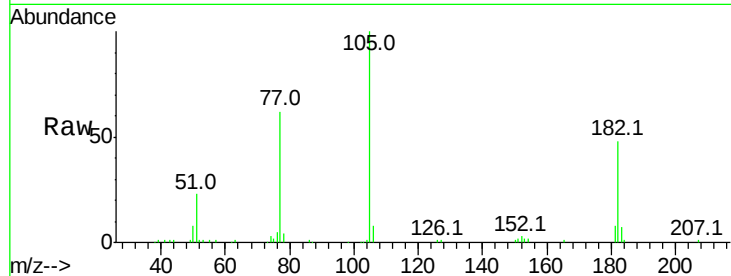
Ion Ratio Lower Upper

77 100

182 77.5 1.7 41.7#

105 161.3 3.0 43.0#

51 37.2 9.9 49.9

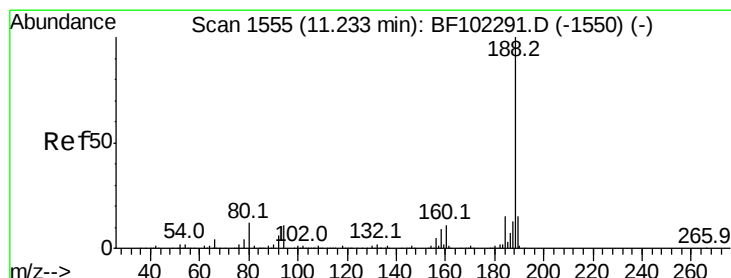
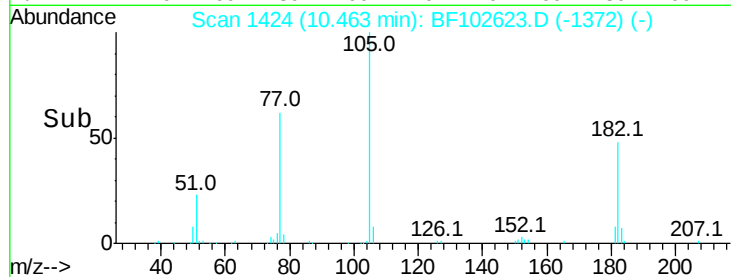
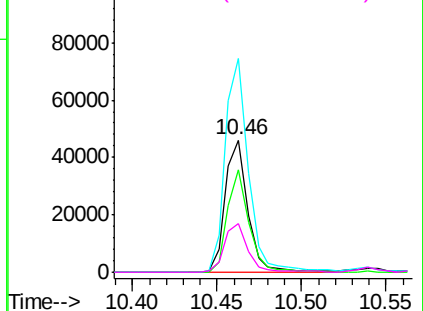


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF102623.D

Acq: 30 Jan 2018 3:21

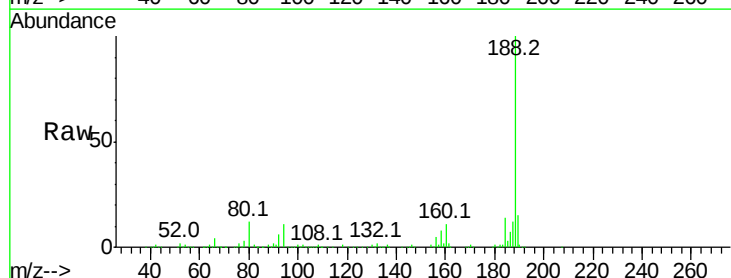
Tgt Ion: 188 Resp: 421283

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

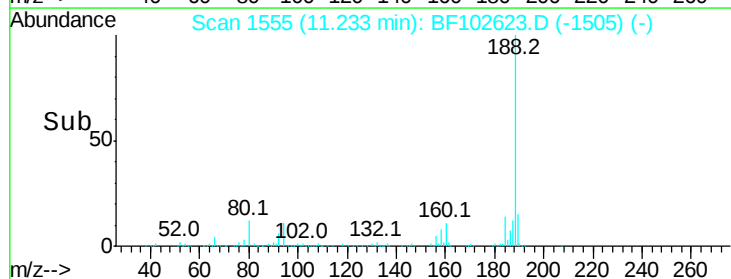
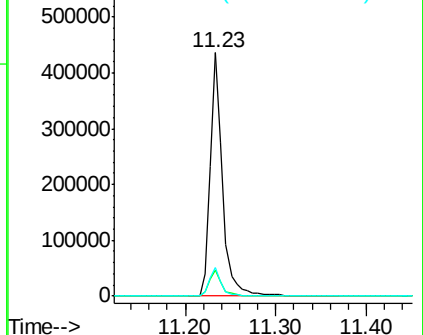
80 12.0 9.2 13.8

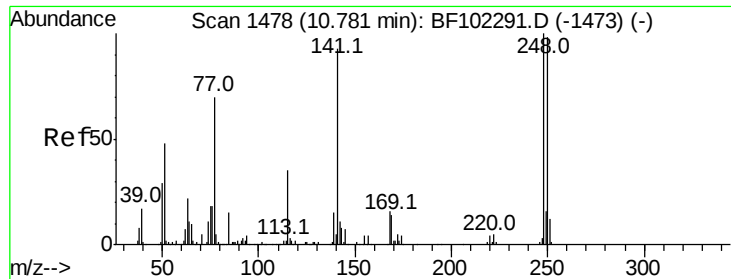


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

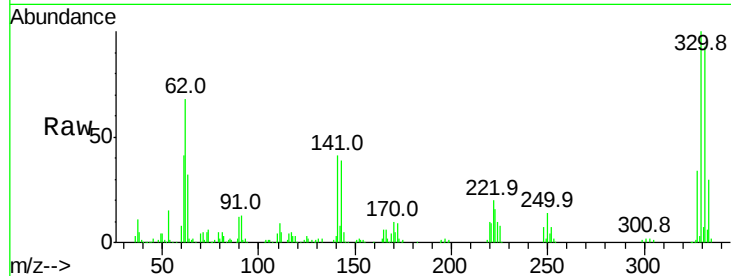




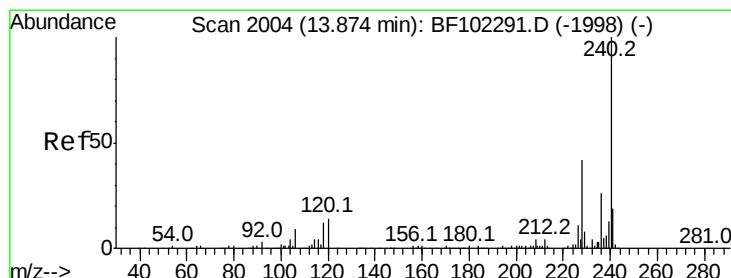
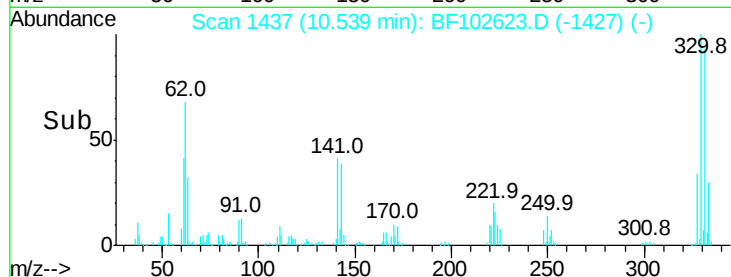
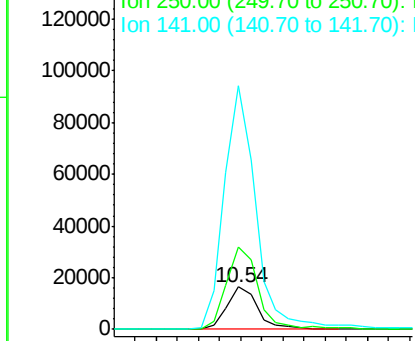
#66
 4-Bromophenyl-phenylether
 Concen: 3.661 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.24 min
 Lab File: BF102623.D
 Acq: 30 Jan 2018 3:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16604
 Ion Ratio Lower Upper
 248 100
 250 195.9 76.9 115.3#
 141 577.6 74.4 111.6#

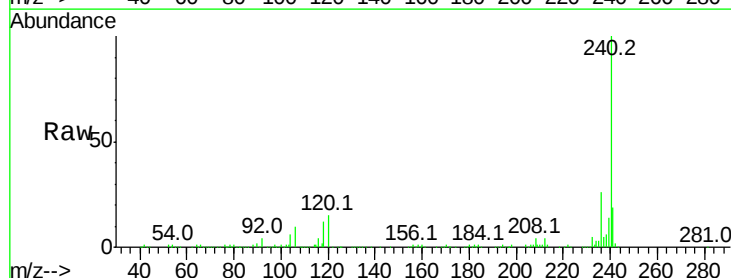


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

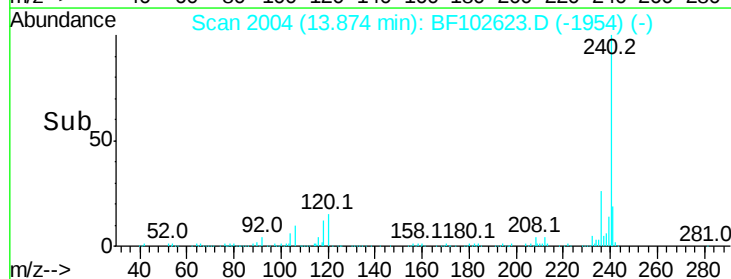
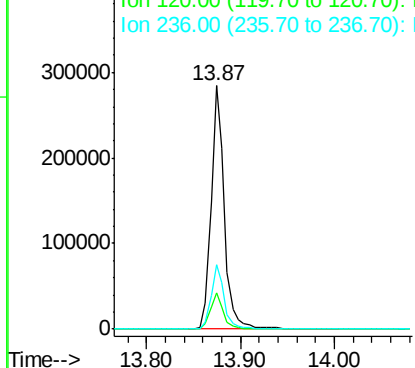


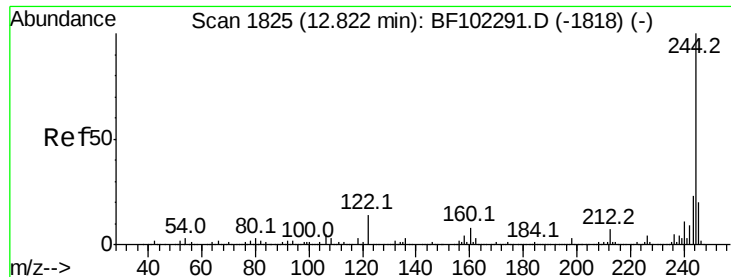
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF102623.D
 Acq: 30 Jan 2018 3:21

Tgt Ion:240 Resp: 284678
 Ion Ratio Lower Upper
 240 100
 120 14.7 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: 70.458 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

Instrument :

BNA_F

ClientSampled :

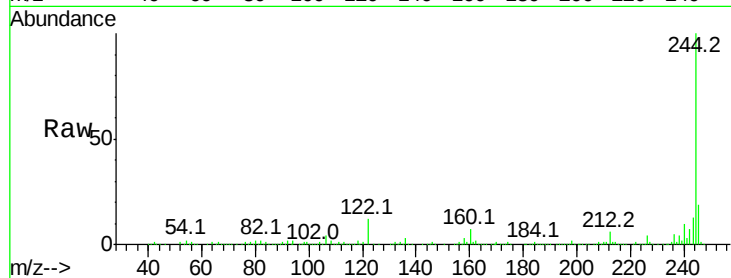
Tot Ion:244 Resp: 889733

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

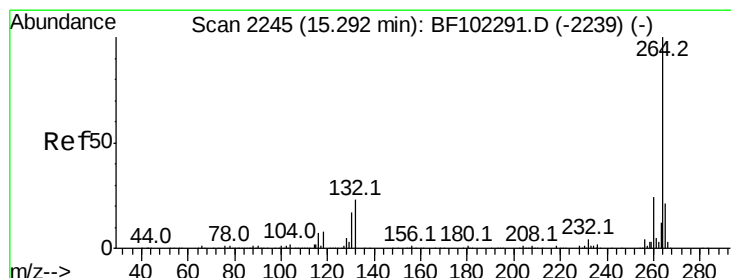
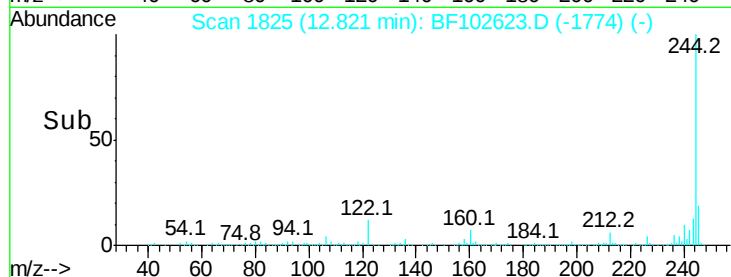
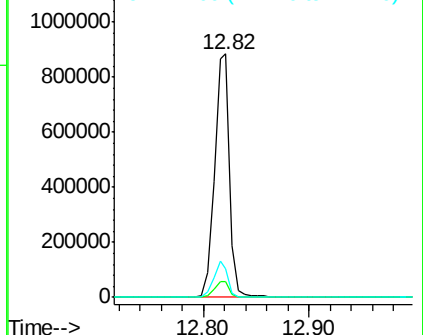
122 11.8 11.0 16.4



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: 15.30 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BF102623.D

Acq: 30 Jan 2018 3:21

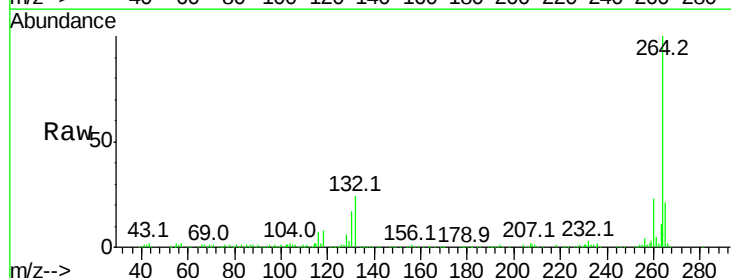
Tgt Ion:264 Resp: 293803

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.3 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

