

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102747.D
 Acq On : 5 Feb 2018 19:27
 Operator : SJ/JU
 Sample : J1456-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

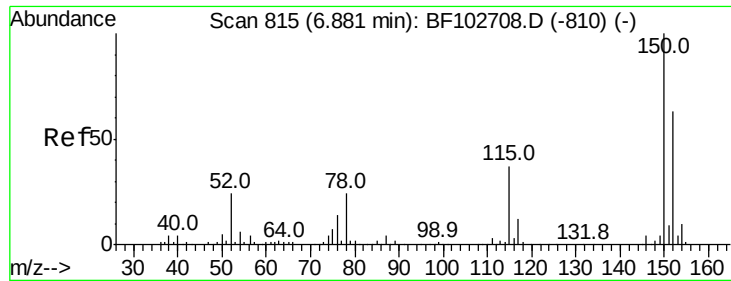
Quant Time: Feb 06 00:42:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	209886	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	858077	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	376483	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	560841	20.00	ng	0.00
75) Chrysene-d12	14.04	240	368573	20.00	ng	-0.01
86) Perylene-d12	15.52	264	339047	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1447159	104.71	ng	0.00
7) Phenol-d6	6.50	99	1731346	104.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	1083220	87.57	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	325531	107.43	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1469493	64.77	ng	0.00
78) Terphenyl-d14	12.99	244	1033544	66.40	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.65	77	30960	2.505	ng	81
10) Phenol	6.52	94	49308	2.765	ng	93
19) n-Nitroso-di-n-propylamine	7.45	70	145256	13.239	ng	# 82
25) Isophorone	7.45	82	1083207	38.030	ng	# 64
47) 2-Nitroaniline	9.60	65	270	3.505	ng	# 2
49) Dimethylphthalate	9.63	163	201815	6.875	ng	99
55) 4-Nitrophenol	10.12	139	821	4.162	ng	# 30
56) 2,4-Dinitrotoluene	9.92	165	47369	8.994	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	740	9.086	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	20942	3.530	ng	# 1

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

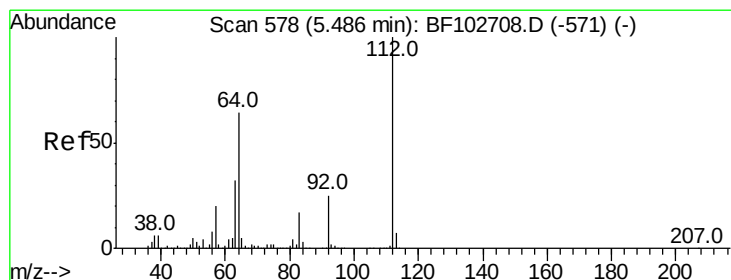
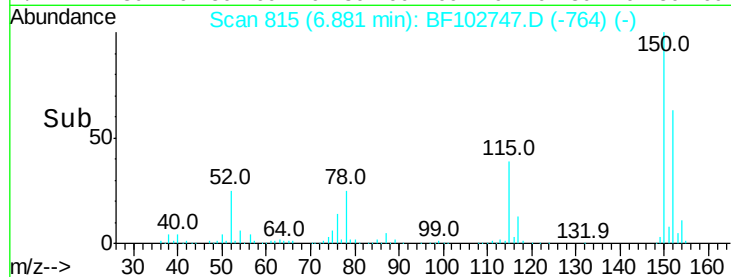
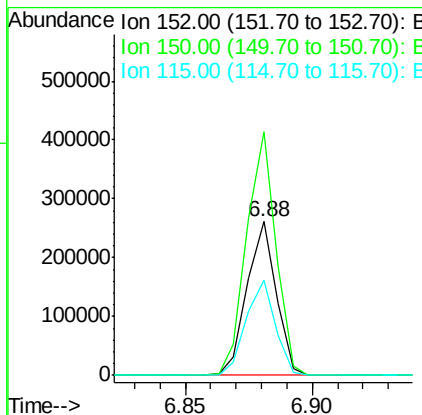
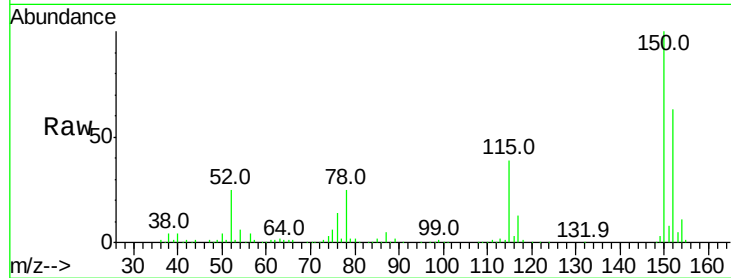


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102747.D
Acq: 5 Feb 2018 19:27

Instrument :
BNA_F
ClientSampleId :

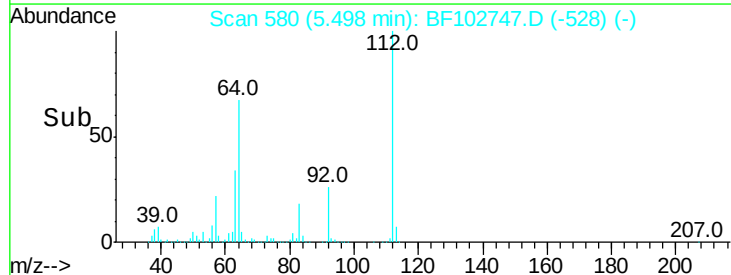
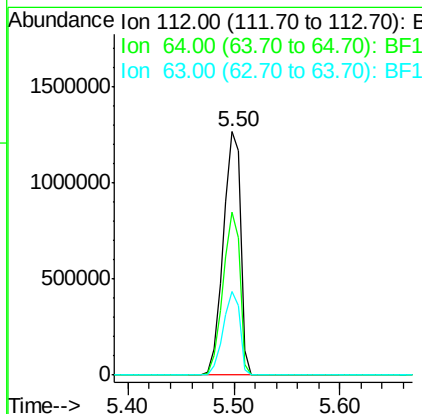
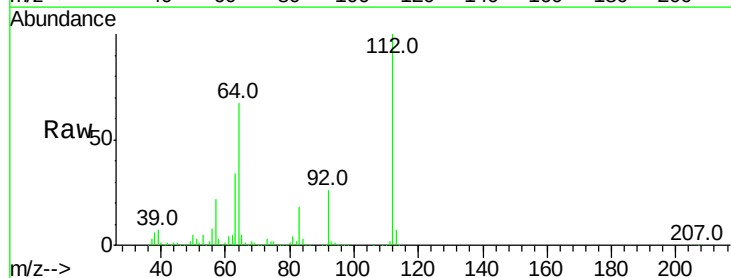
Tot Ion:152 Resp: 209886
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 61.8 50.1 75.1

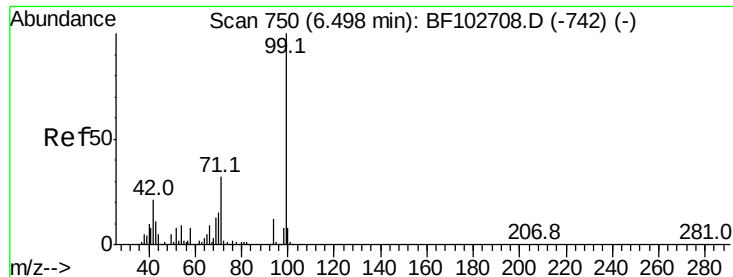


#5

2-Fluorophenol
Concen: 104.712 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102747.D
Acq: 5 Feb 2018 19:27

Tgt Ion:112 Resp: 1447159
Ion Ratio Lower Upper
112 100
64 67.1 47.9 71.9
63 34.1 23.7 35.5





#7

Phenol-d6

Concen: 104.043 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampleId :

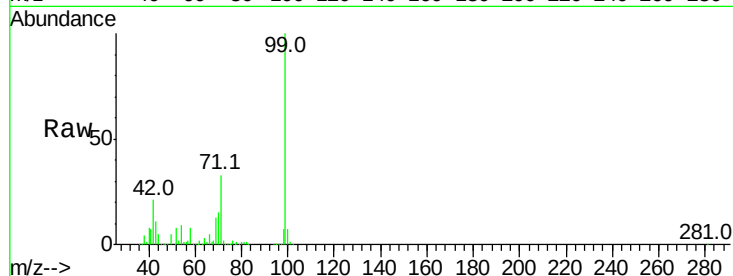
Tot Ion: 99 Resp: 1731346

Ion Ratio Lower Upper

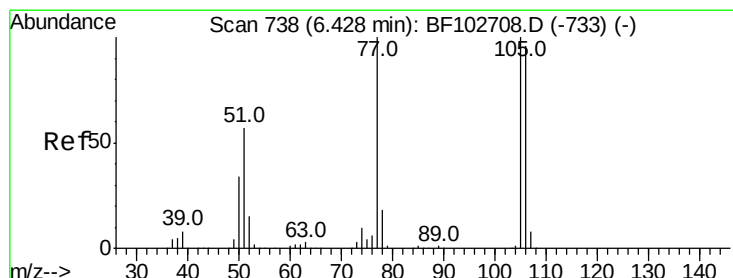
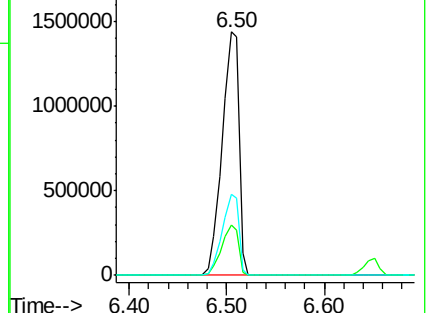
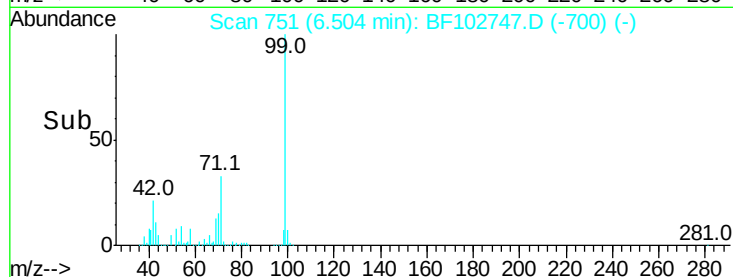
99 100

42 20.7 14.5 21.7

71 33.4 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: 2.505 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

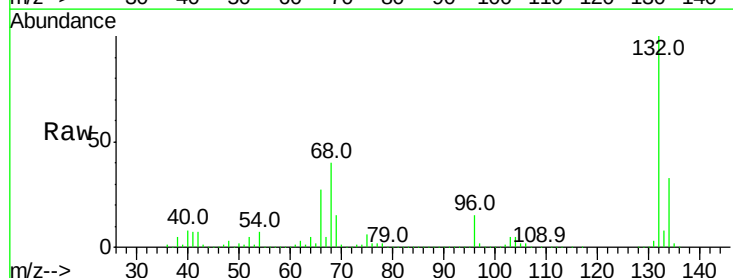
Tgt Ion: 77 Resp: 30960

Ion Ratio Lower Upper

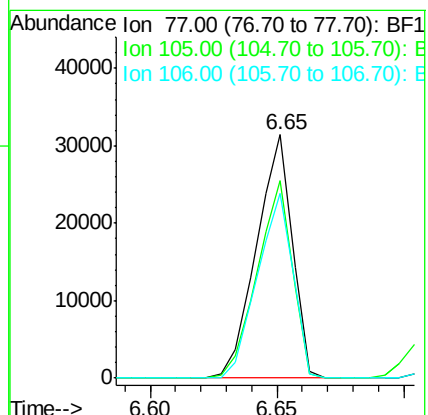
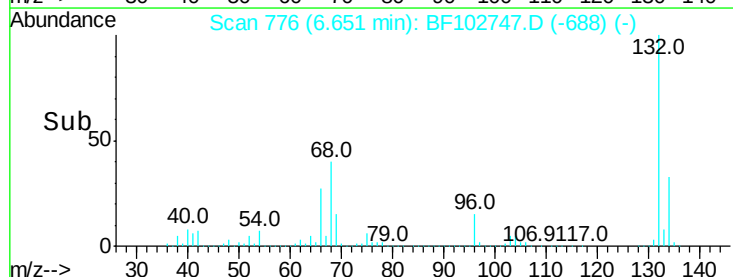
77 100

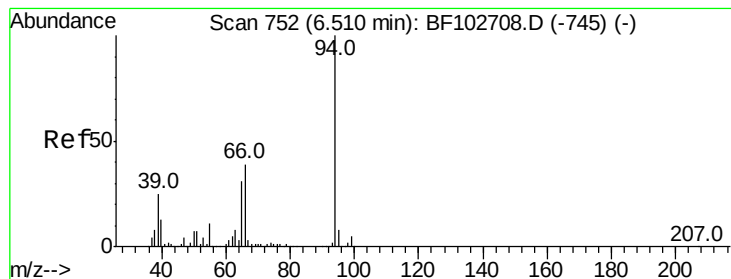
105 81.3 81.1 121.1

106 76.0 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: 2.765 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampleId :

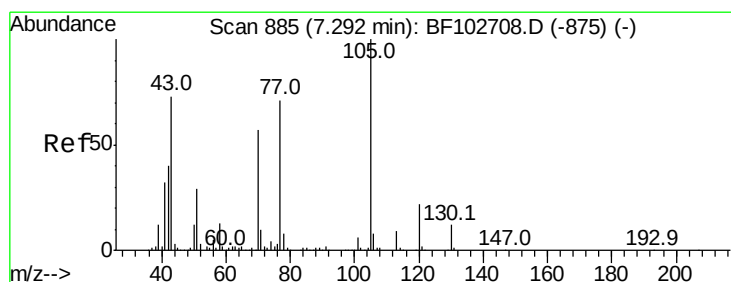
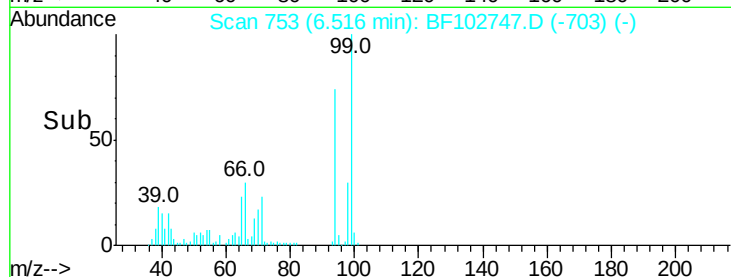
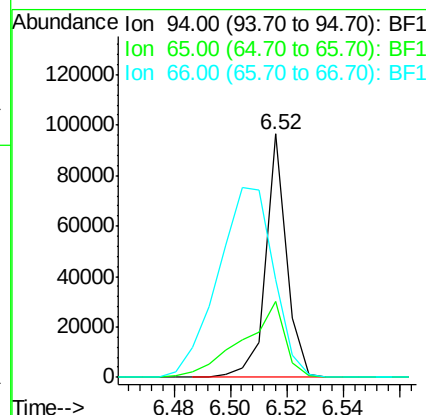
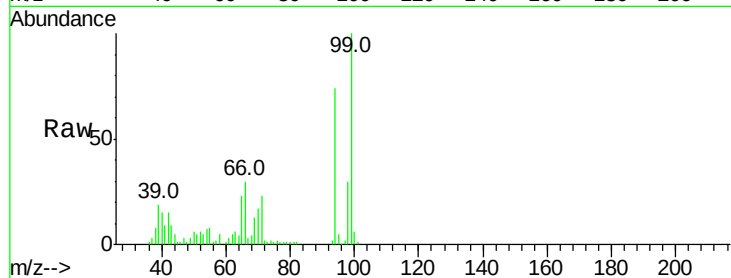
Tot Ion: 94 Resp: 49308

Ion Ratio Lower Upper

94 100

65 31.3 7.9 47.9

66 40.2 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 13.239 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Tgt Ion: 70 Resp: 145256

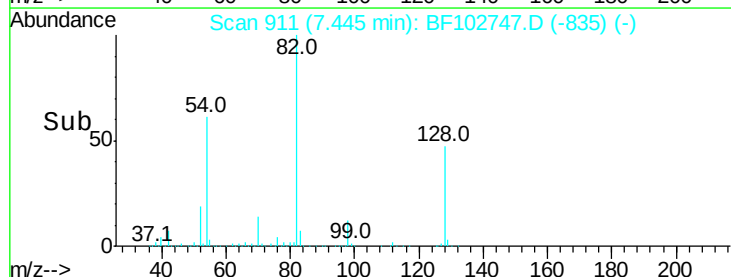
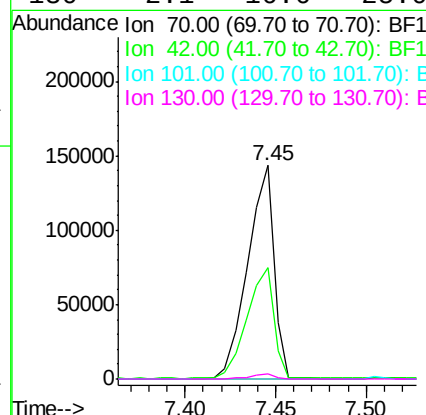
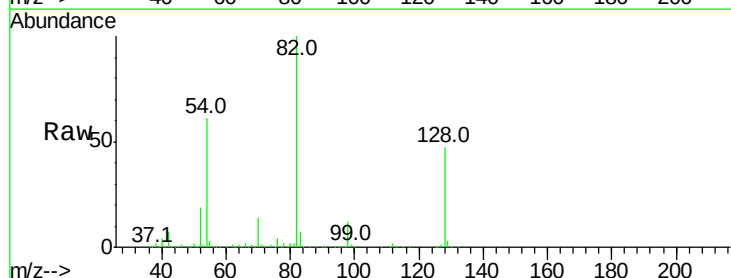
Ion Ratio Lower Upper

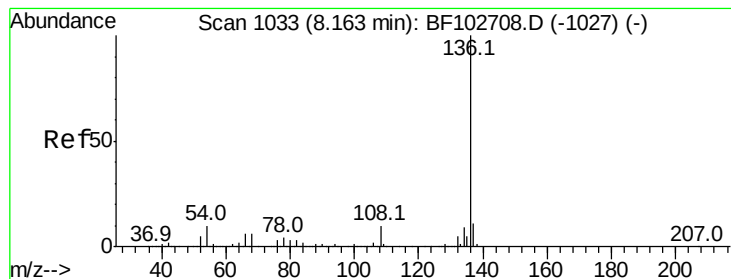
70 100

42 52.1 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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 858077

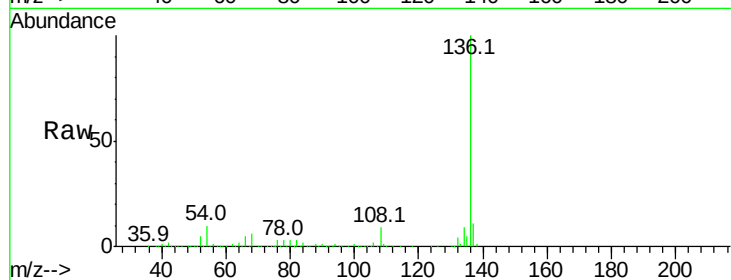
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.9 6.6 9.8#

68 6.4 5.0 7.4

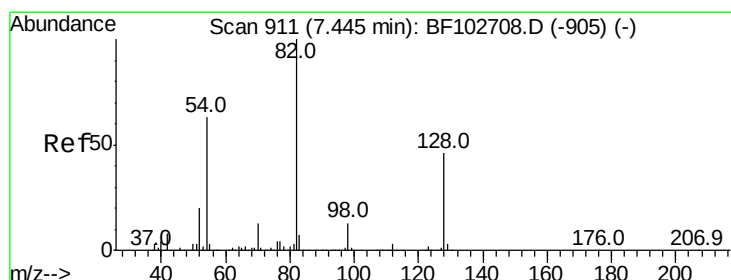
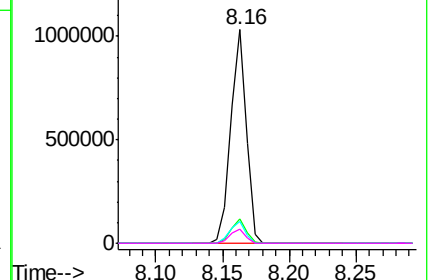
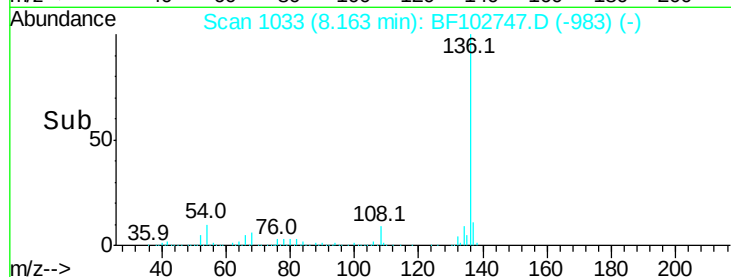


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.572 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

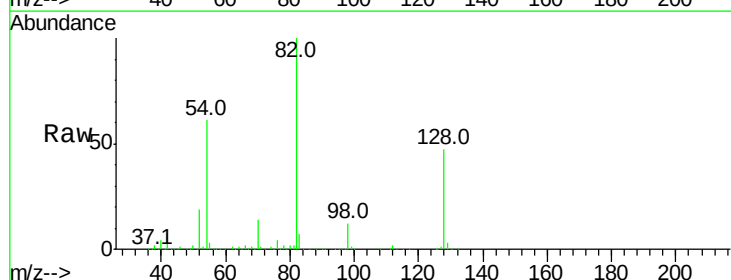
Tgt Ion: 82 Resp: 1083220

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

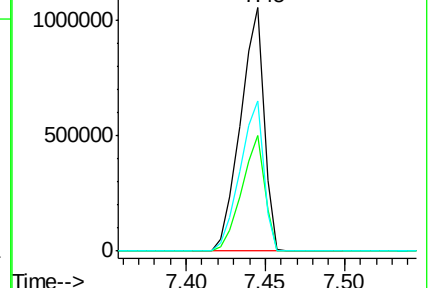
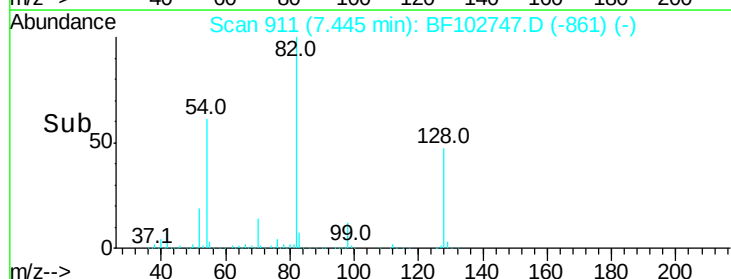
54 61.5 41.4 62.2

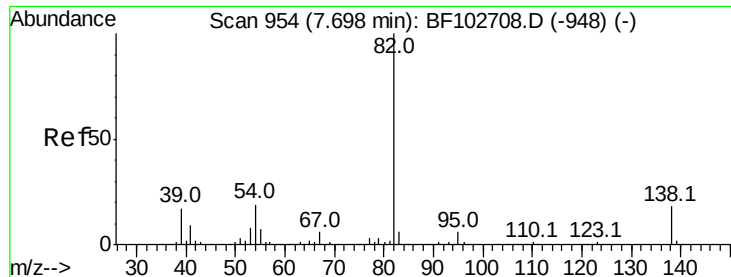


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.030 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampleId :

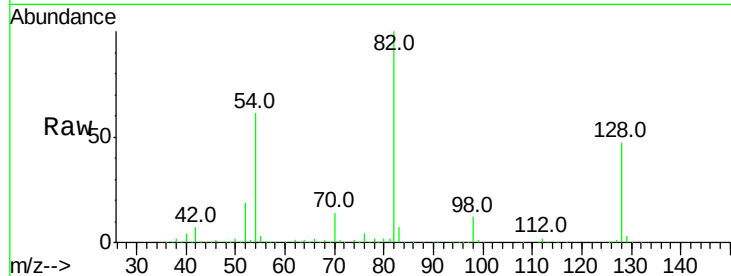
Tot Ion: 82 Resp: 1083207

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

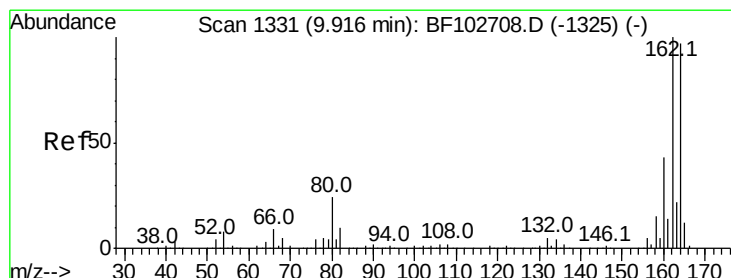
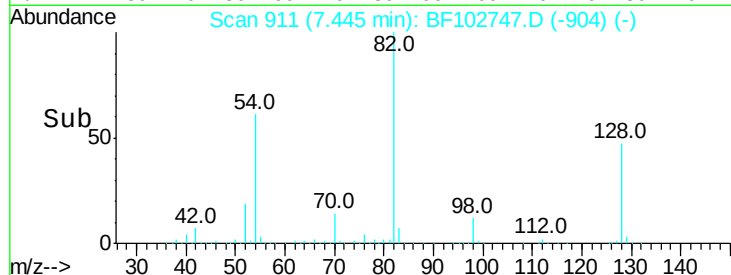
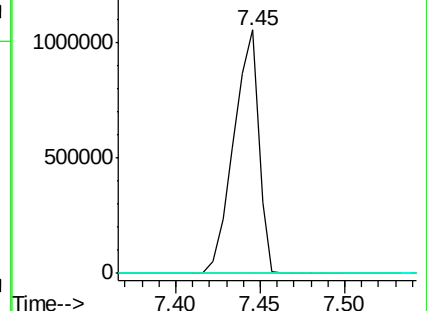
138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

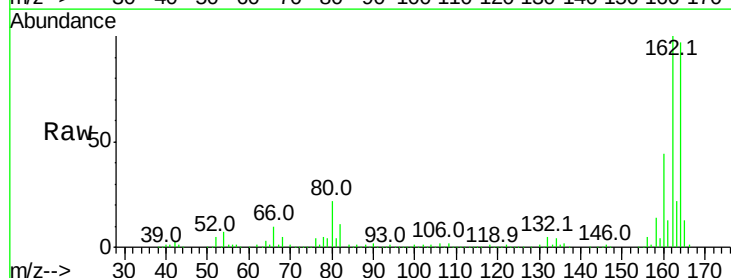
Tgt Ion:164 Resp: 376483

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

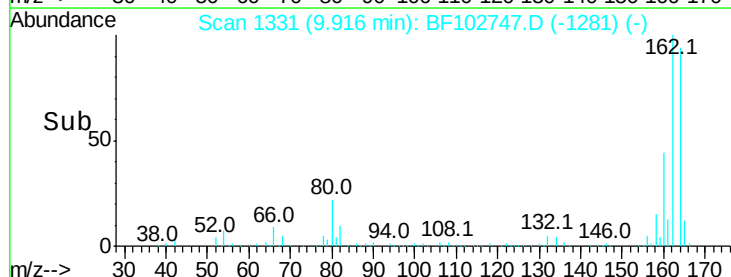
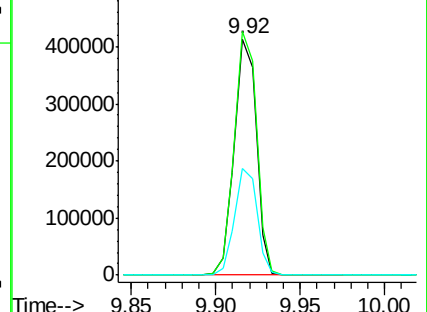
160 45.3 38.3 57.5

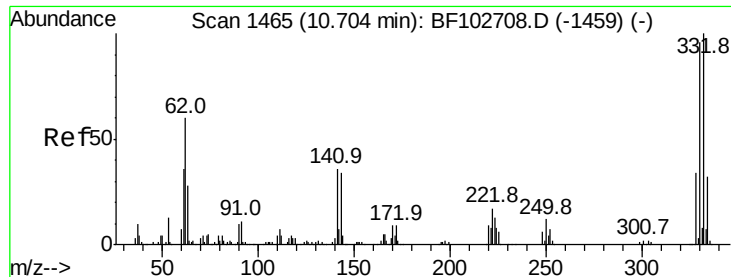


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

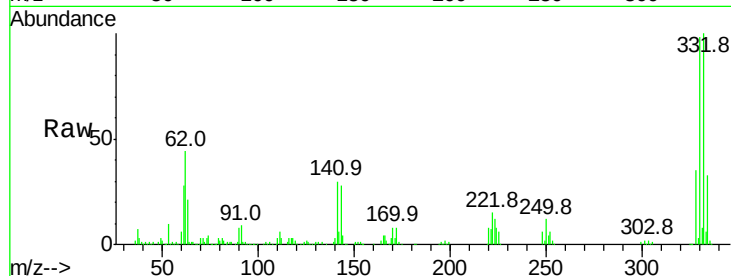




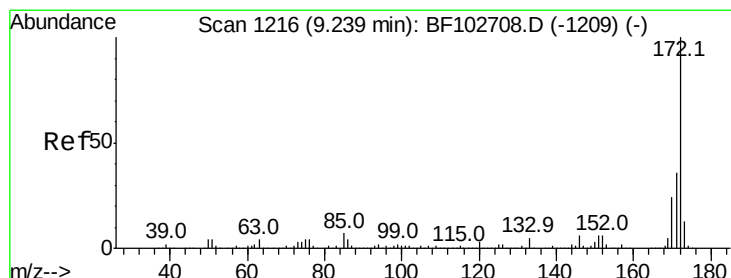
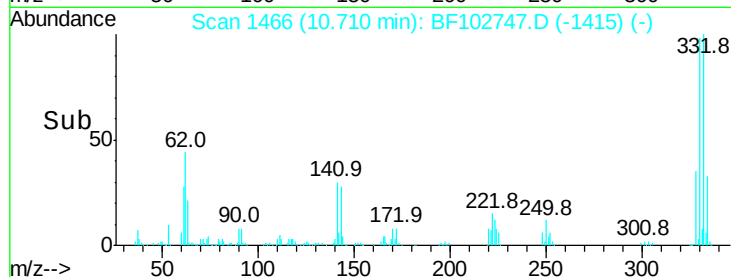
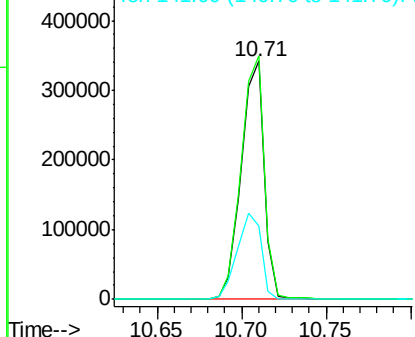
#41
 2,4,6-Tribromophenol
 Concen: 107.427 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102747.D
 Acq: 5 Feb 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 325531
 Ion Ratio Lower Upper
 330 100
 332 102.9 77.0 115.6
 141 37.8 29.9 44.9

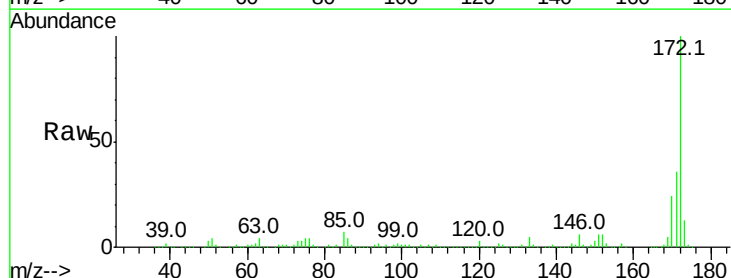


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

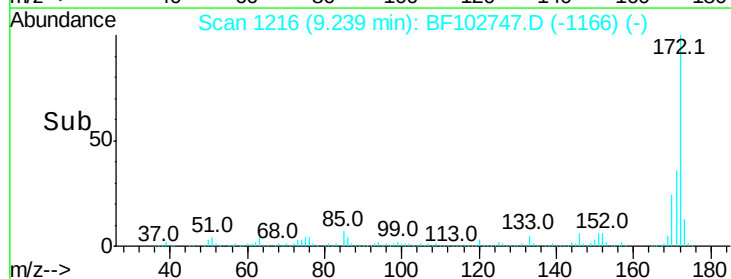
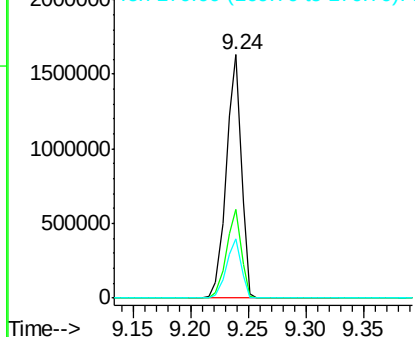


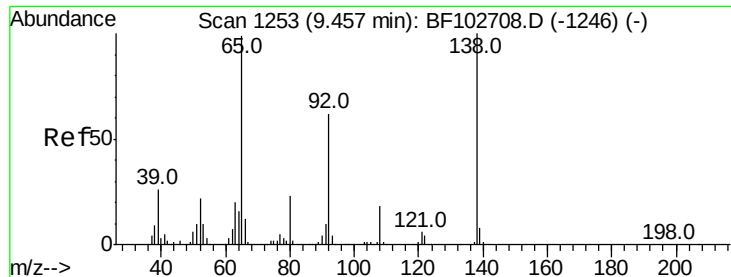
#44
 2-Fluorobiphenyl
 Concen: 64.768 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102747.D
 Acq: 5 Feb 2018 19:27

Tgt Ion:172 Resp: 1469493
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.4 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





#47

2-Nitroaniline

Concen: 3.505 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.14 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampleId :

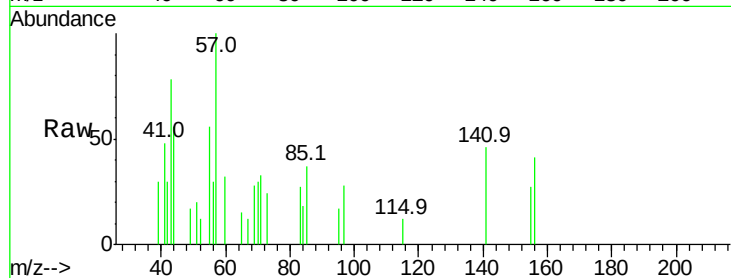
Tot Ion: 65 Resp: 270

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

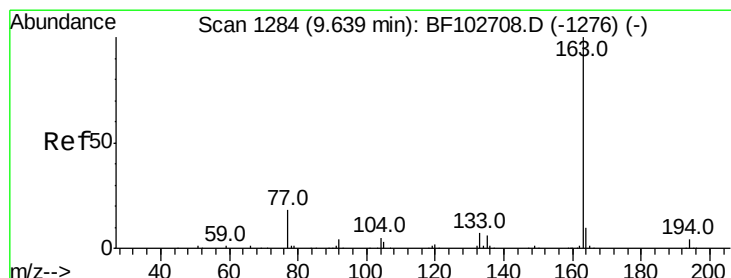
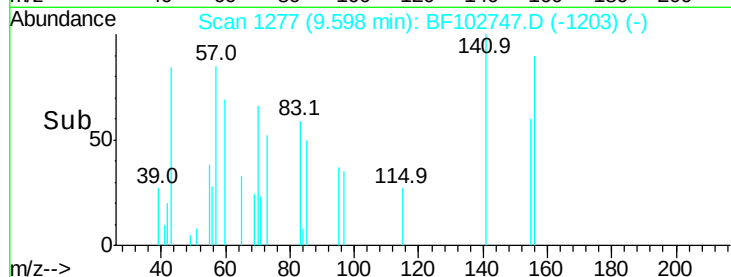
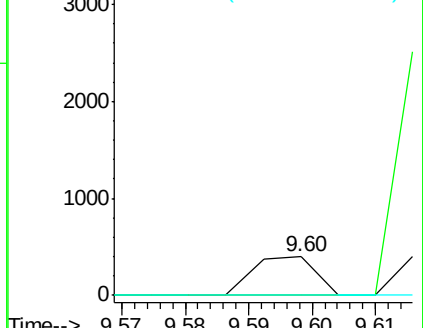
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 6.875 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

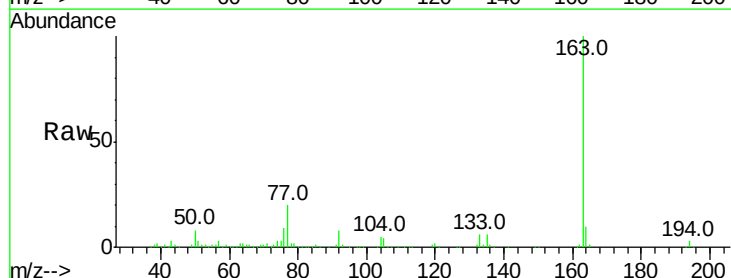
Tgt Ion:163 Resp: 201815

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

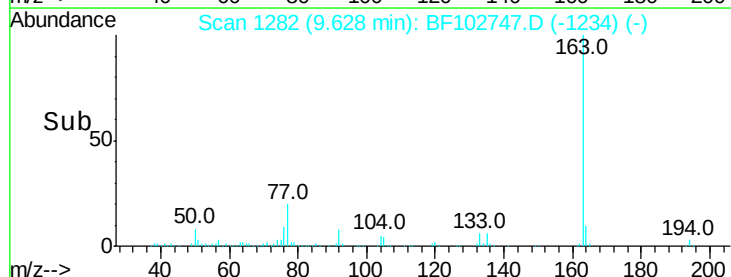
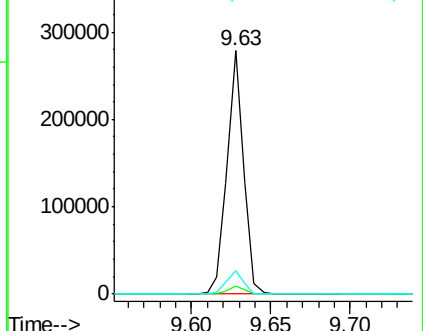
164 9.9 8.2 12.2

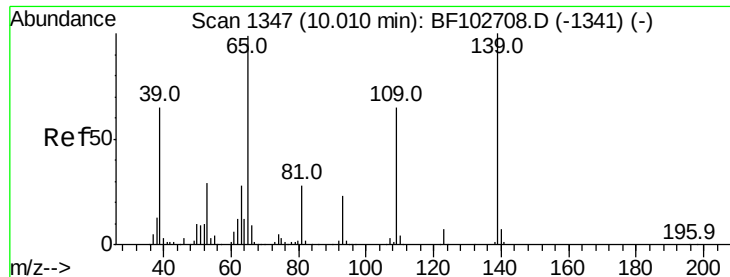


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 4.162 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.09 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampled :

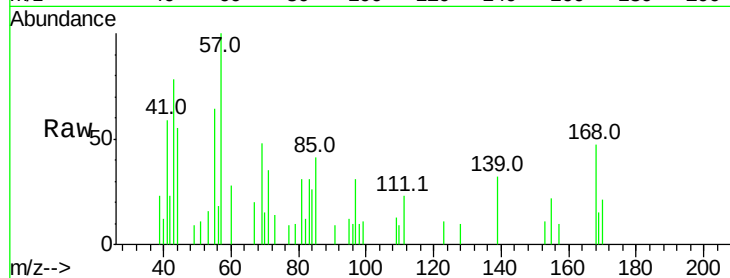
Tot Ion:139 Resp: 821

Ion Ratio Lower Upper

139 100

109 41.4 48.4 88.4#

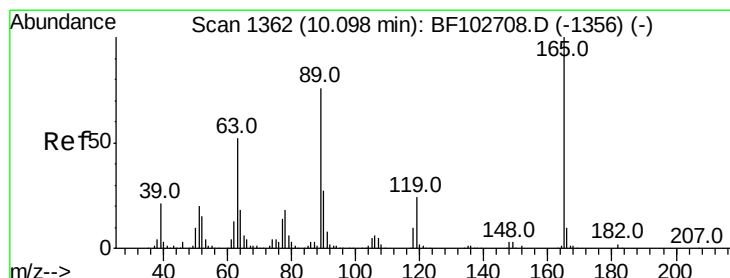
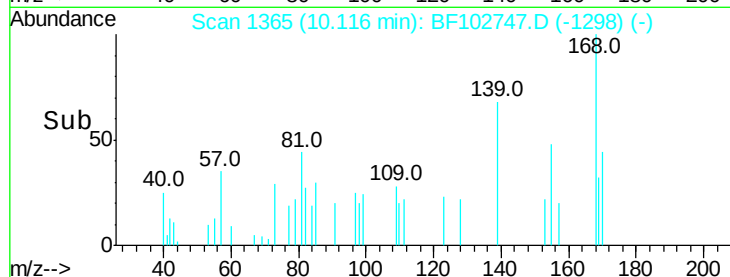
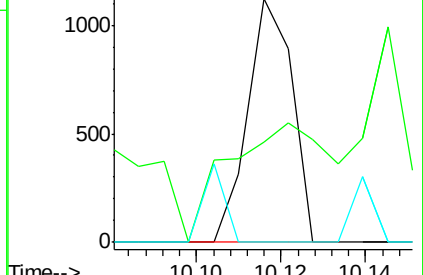
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 8.994 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Tgt Ion:165 Resp: 47369

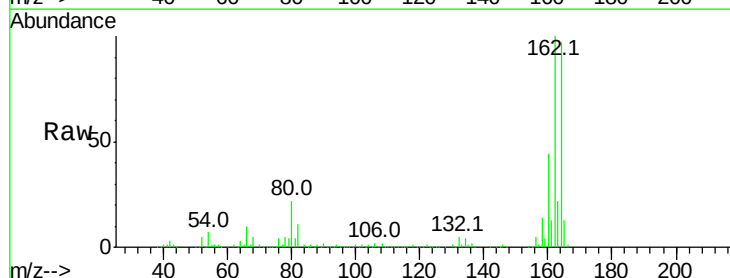
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

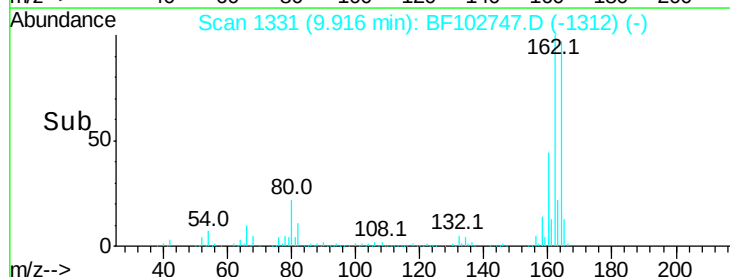
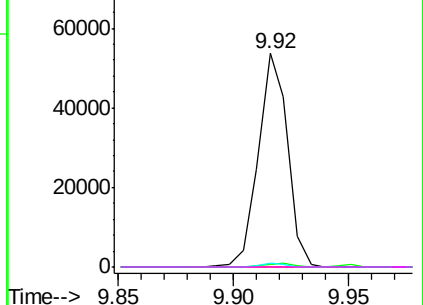


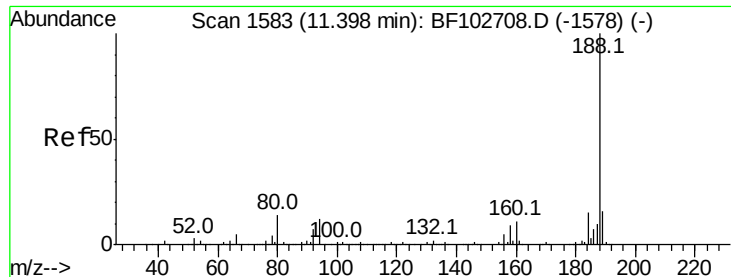
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

Instrument :

BNA_F

ClientSampleId :

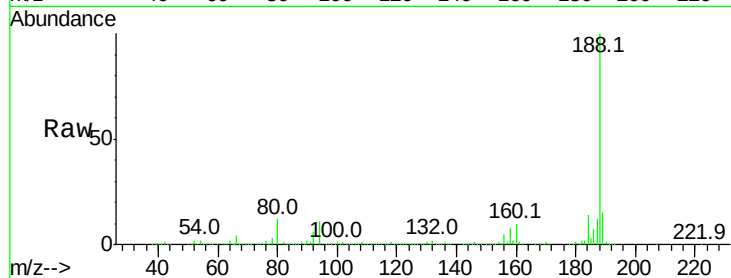
Tot Ion:188 Resp: 560841

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

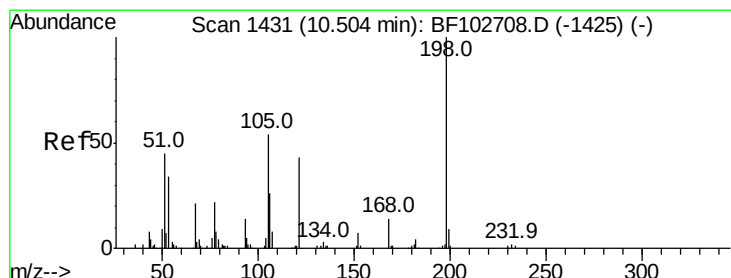
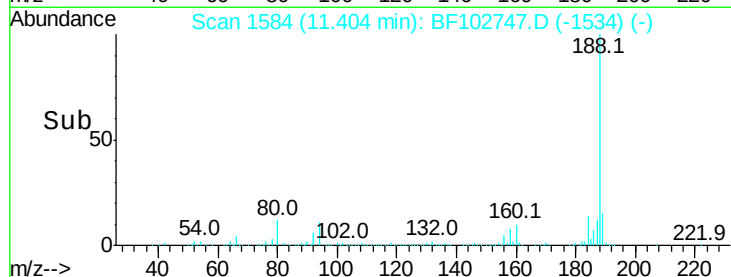
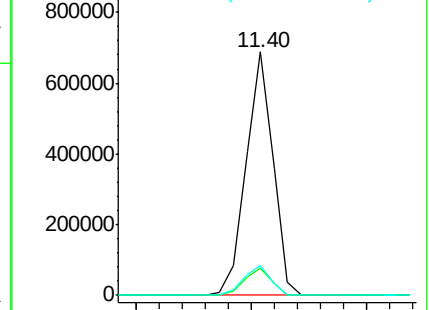
80 12.1 9.2 13.8



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: 9.086 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.19 min

Lab File: BF102747.D

Acq: 5 Feb 2018 19:27

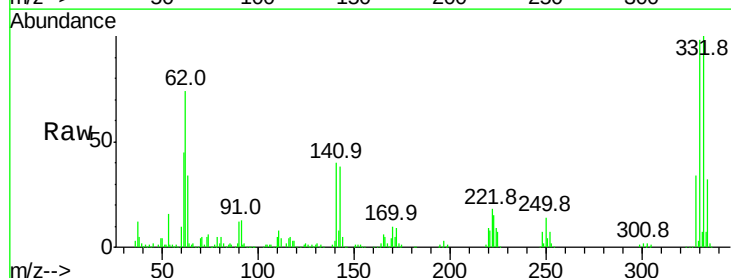
Tgt Ion:198 Resp: 740

Ion Ratio Lower Upper

198 100

51 243.2 37.7 77.7#

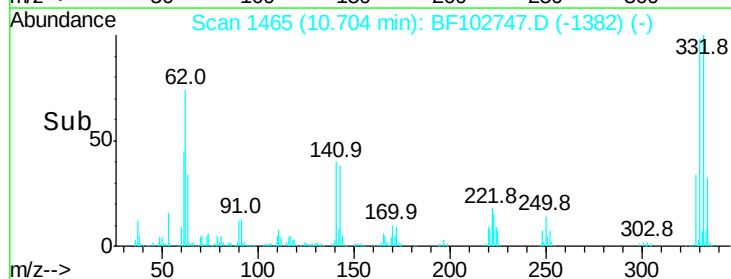
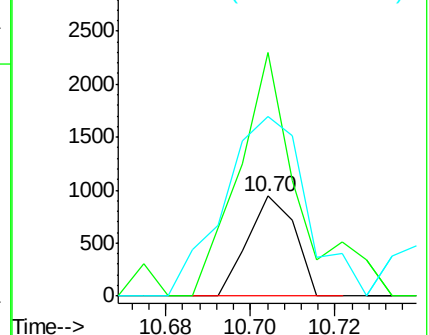
105 178.9 36.3 76.3#

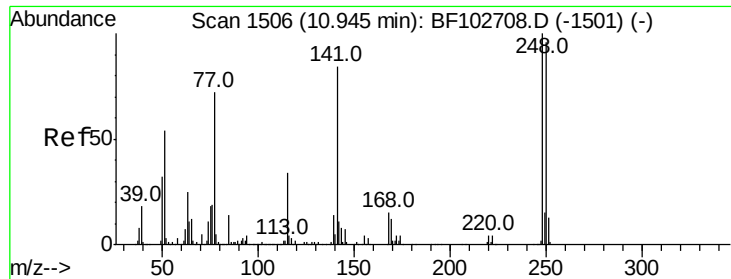


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

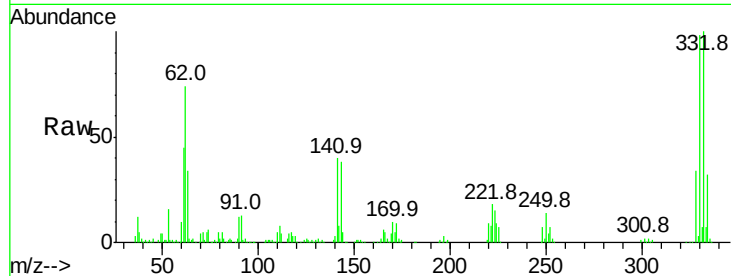




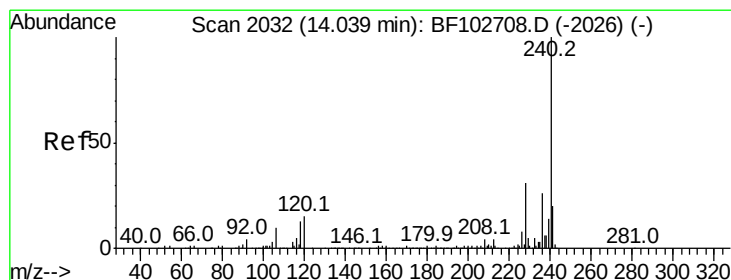
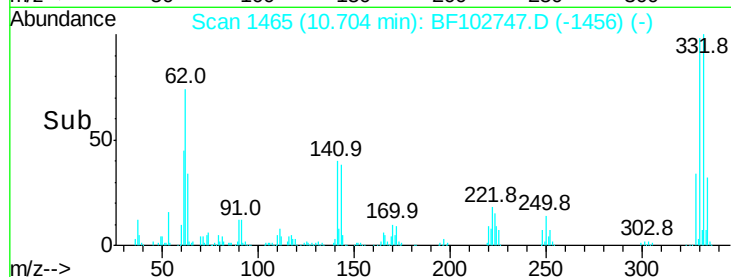
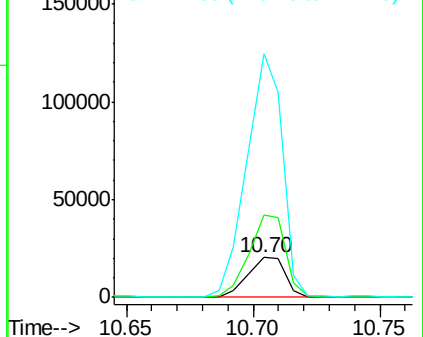
#66
 4-Bromophenyl-phenylether
 Concen: 3.530 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF102747.D
 Acq: 5 Feb 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 20942
 Ion Ratio Lower Upper
 248 100
 250 206.6 76.9 115.3#
 141 609.2 74.4 111.6#

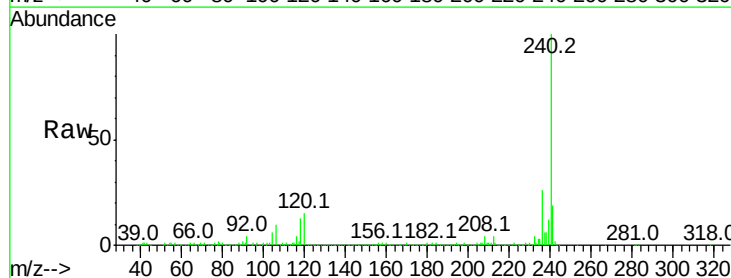


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

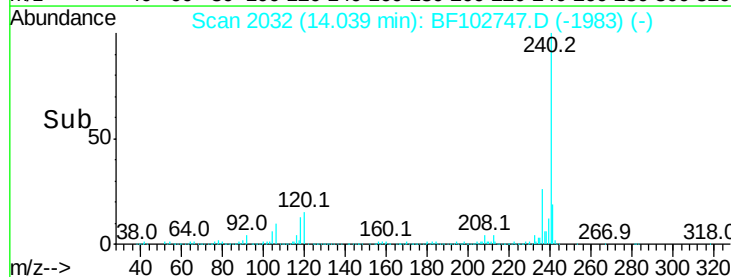
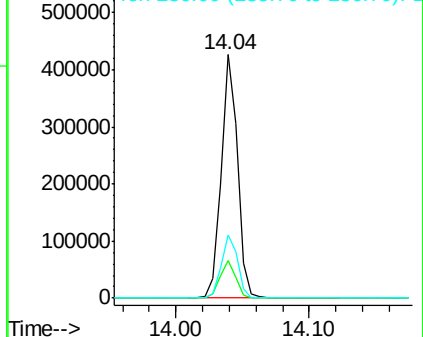


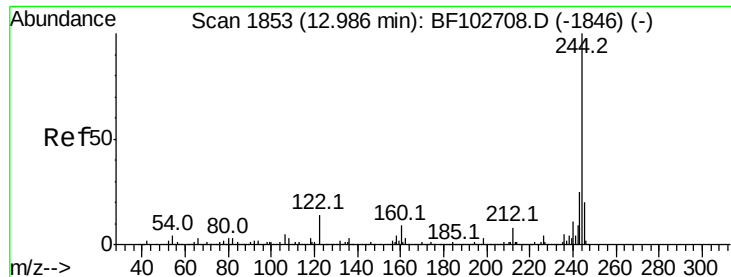
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF102747.D
 Acq: 5 Feb 2018 19:27

Tgt Ion:240 Resp: 368573
 Ion Ratio Lower Upper
 240 100
 120 15.2 9.5 14.3#
 236 25.7 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



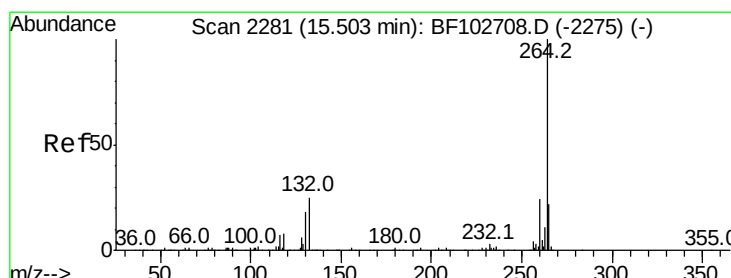
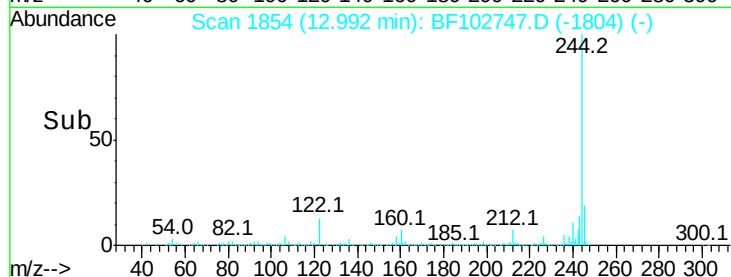
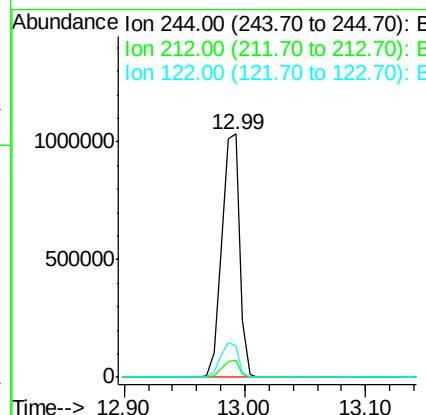
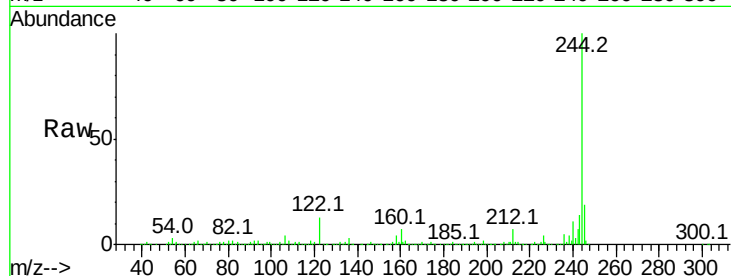


#78
 Terphenyl-d14
 Concen: 66.397 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102747.D
 Acq: 5 Feb 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1033544

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.6	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF102747.D
 Acq: 5 Feb 2018 19:27

Tgt Ion:264 Resp: 339047

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	22.3	17.5	26.3

