

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103878.D
 Acq On : 23 Mar 2018 14:20
 Operator : JU/SJ
 Sample : J1998-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 18:10:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	155050	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	625607	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	284814	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	450993	20.00	ng	0.00
75) Chrysene-d12	14.16	240	313630	20.00	ng	0.00
86) Perylene-d12	15.70	264	312598	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	967802	94.94	ng	0.01
7) Phenol-d6	6.60	99	1147703	92.03	ng	0.00
23) Nitrobenzene-d5	7.53	82	701308	78.17	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	266968	109.02	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1217217	68.17	ng	0.00
78) Terphenyl-d14	13.10	244	915404	67.75	ng	0.00

Target Compounds

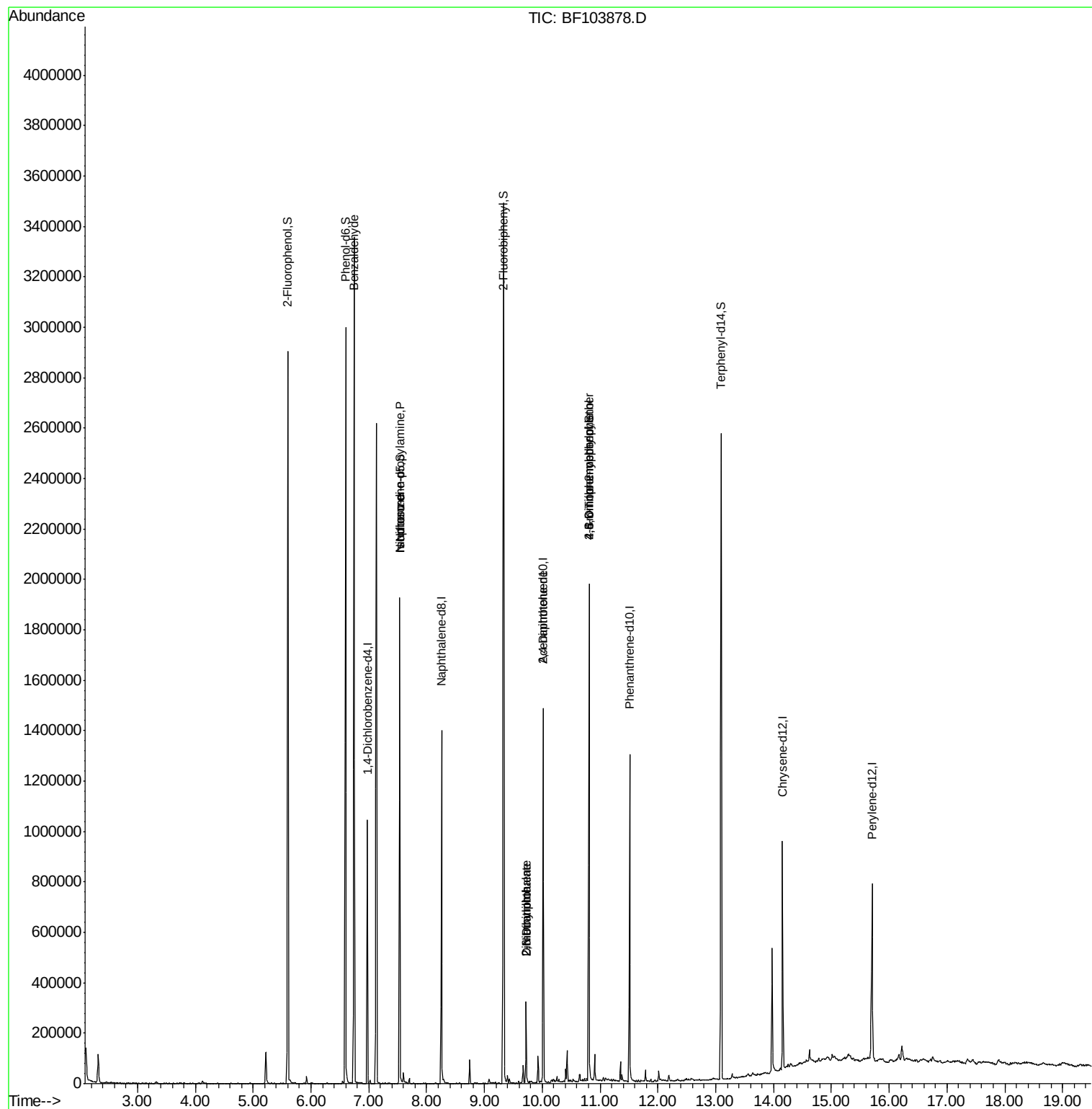
						Qvalue
9) Benzaldehyde	6.75	77	20131	2.457	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	90766	11.356	ng	# 74
25) Isophorone	7.53	82	701299	33.769	ng	# 64
47) 2-Nitroaniline	9.72	65	1008	6.990	ng	# 1
49) Dimethylphthalate	9.72	163	132772	6.110	ng	99
50) 2,6-Dinitrotoluene	9.72	165	1377	4.284	ng	# 11
56) 2,4-Dinitrotoluene	10.02	165	35920	12.085	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	463	8.424	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	15909	3.436	ng	# 1

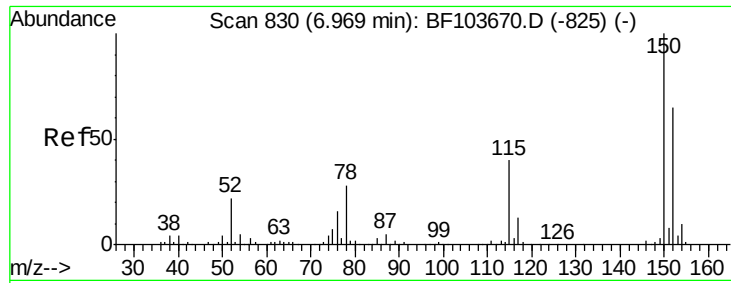
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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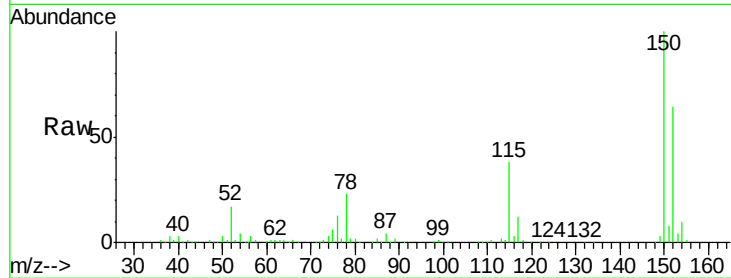


#1

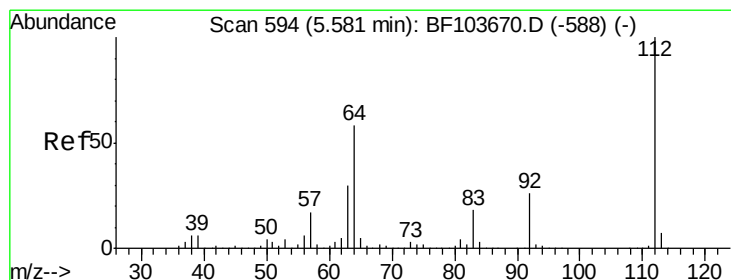
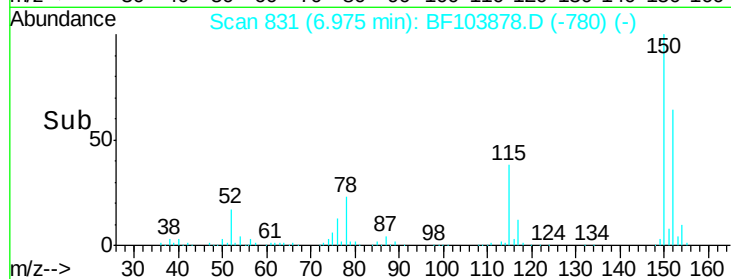
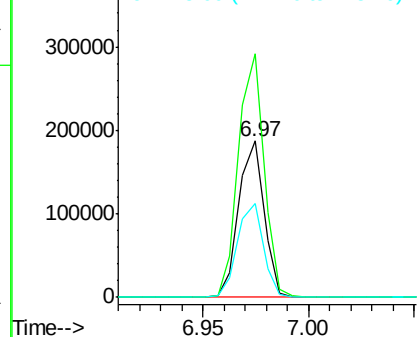
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103878.D
Acq: 23 Mar 2018 14:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 155050
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 60.0 50.1 75.1



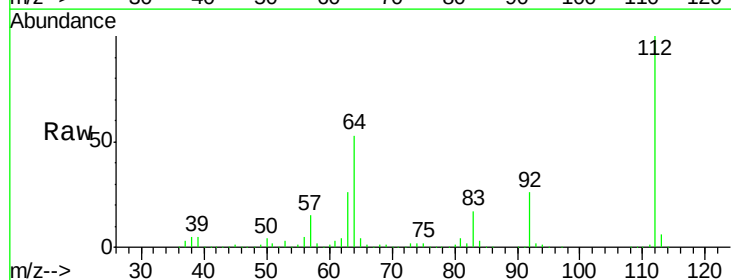
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



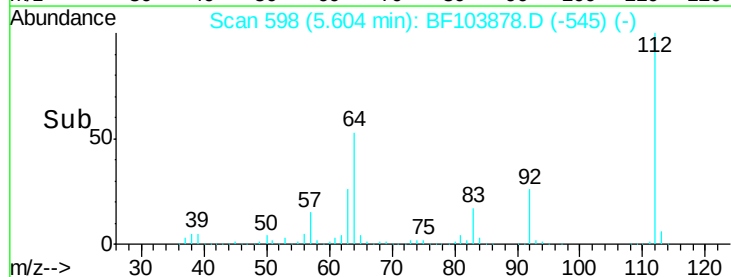
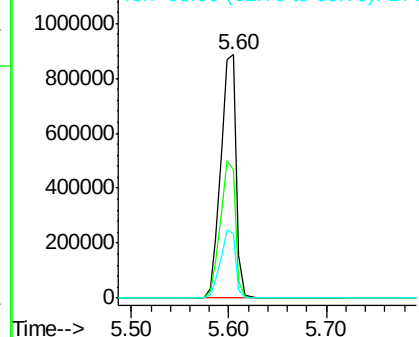
#5

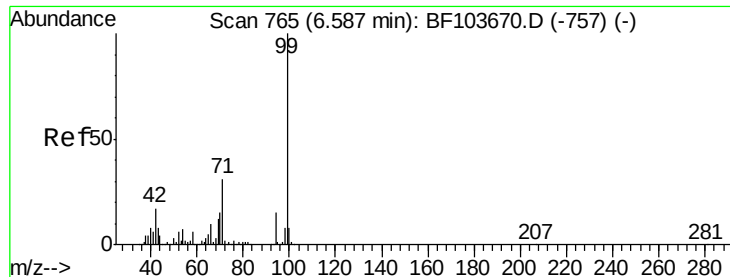
2-Fluorophenol
Concen: 94.938 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103878.D
Acq: 23 Mar 2018 14:20

Tgt Ion:112 Resp: 967802
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 26.5 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: 92.025 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Instrument :

BNA_F

ClientSampleId :

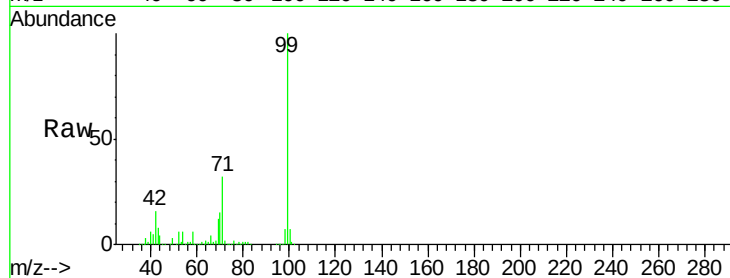
Tot Ion: 99 Resp: 1147703

Ion Ratio Lower Upper

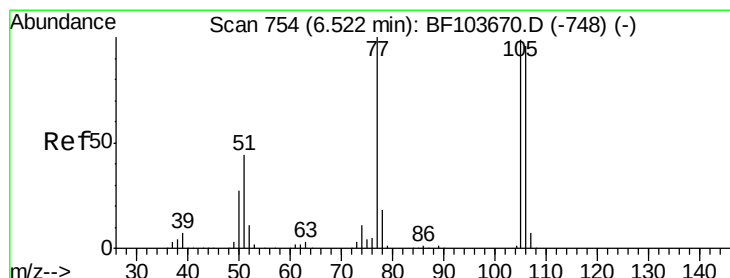
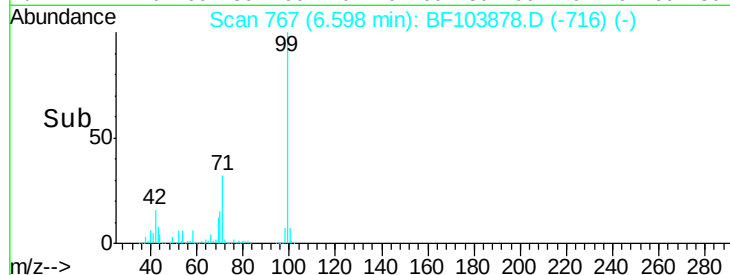
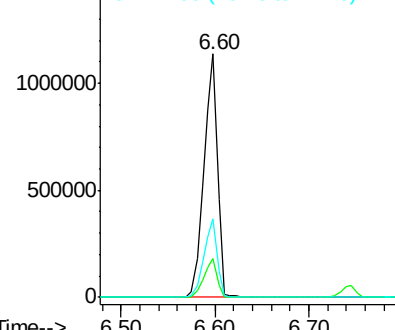
99 100

42 15.7 14.5 21.7

71 32.5 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: 2.457 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

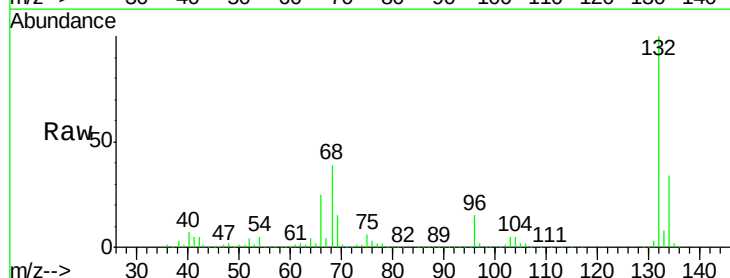
Tgt Ion: 77 Resp: 20131

Ion Ratio Lower Upper

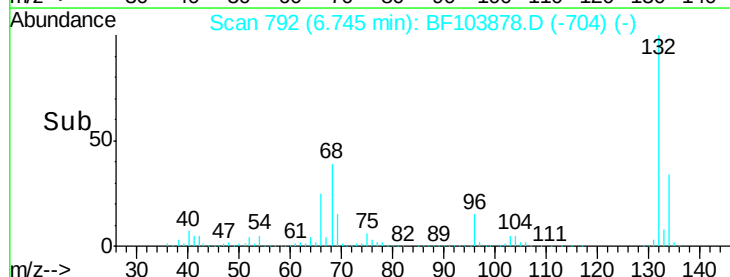
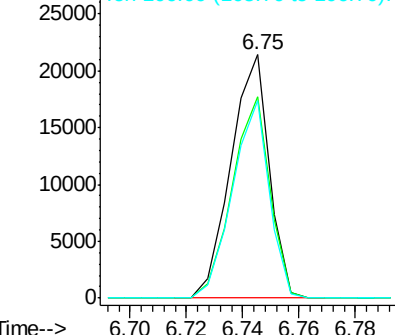
77 100

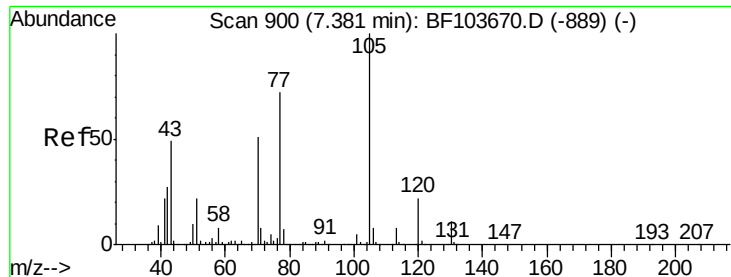
105 82.7 81.1 121.1

106 81.2 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





#19

n-Nitroso-di-n-propylamine

Concen: 11.356 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 90766

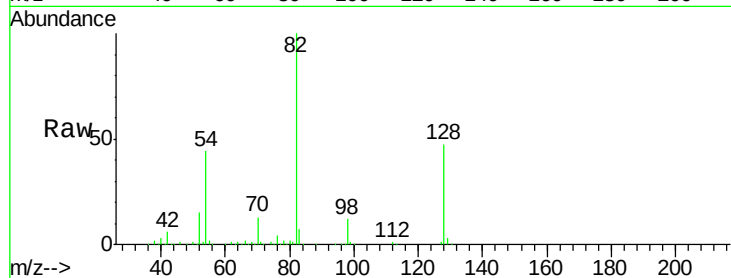
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

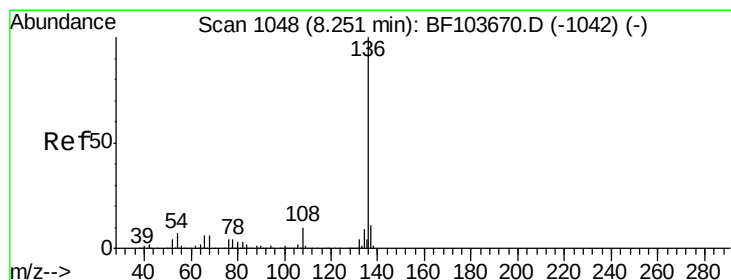
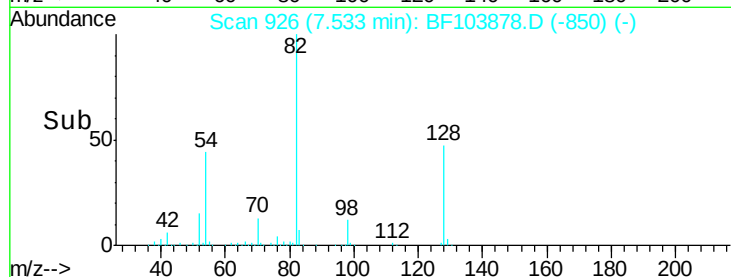
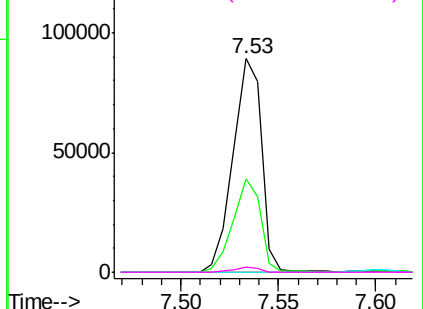


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Tgt Ion: 136 Resp: 625607

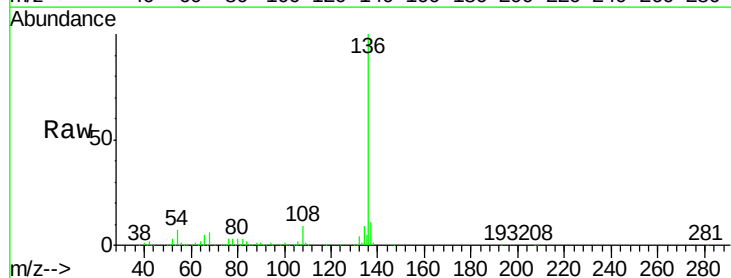
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.6 6.6 9.8

68 6.1 5.0 7.4

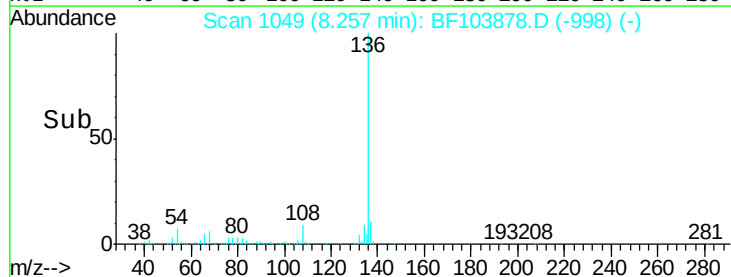
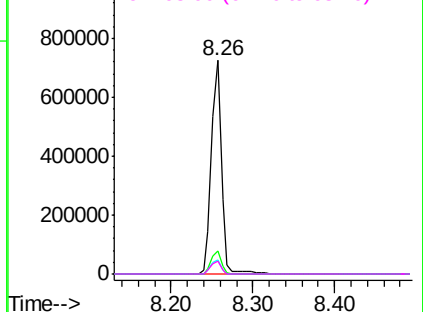


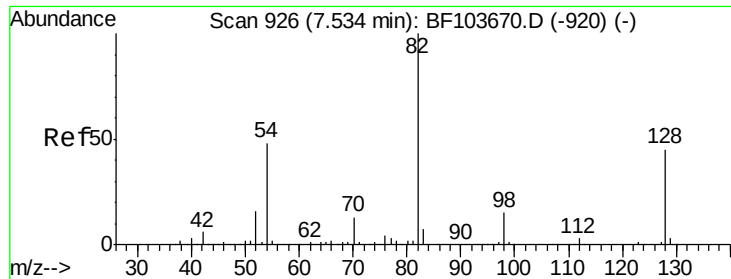
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

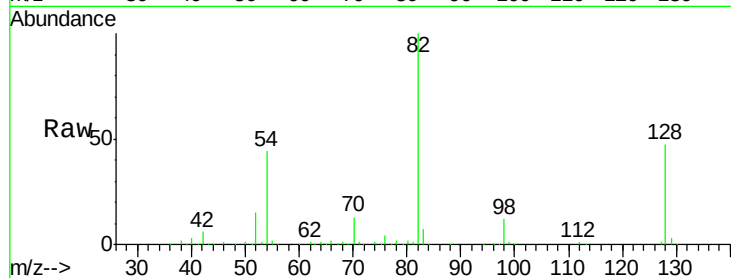




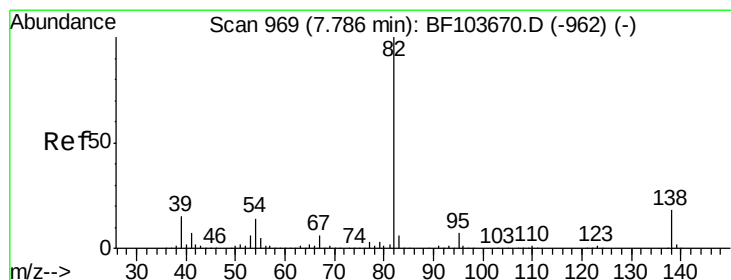
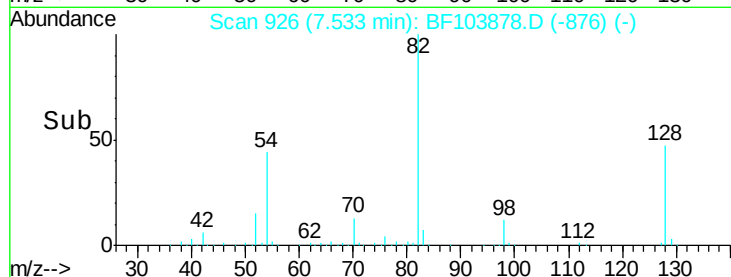
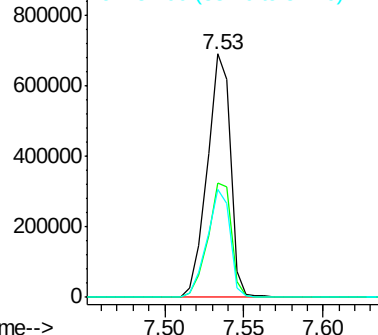
#23
Nitrobenzene-d5
Concen: 78.174 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103878.D
Acq: 23 Mar 2018 14:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	701308
Ion Ratio	100	Lower	Upper
128	46.8	36.1	54.1
54	44.5	41.4	62.2

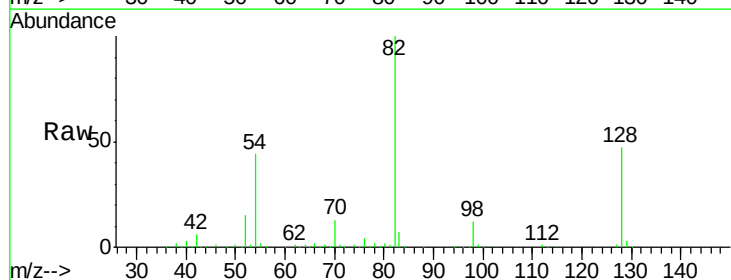


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

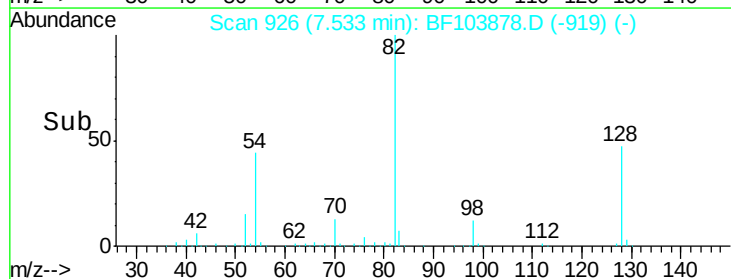
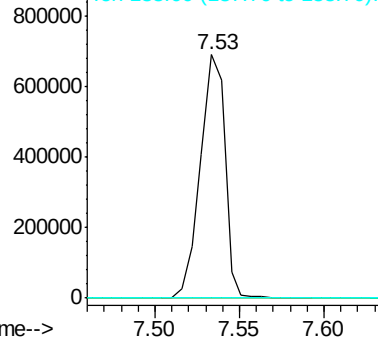


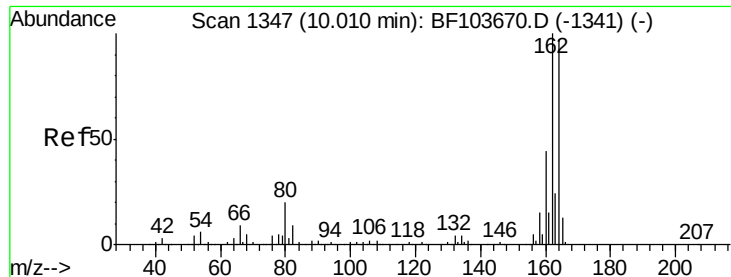
#25
Isophorone
Concen: 33.769 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.26 min
Lab File: BF103878.D
Acq: 23 Mar 2018 14:20

Tgt Ion	82	Resp	701299
Ion Ratio	100	Lower	Upper
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: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Instrument :

BNA_F

ClientSampled :

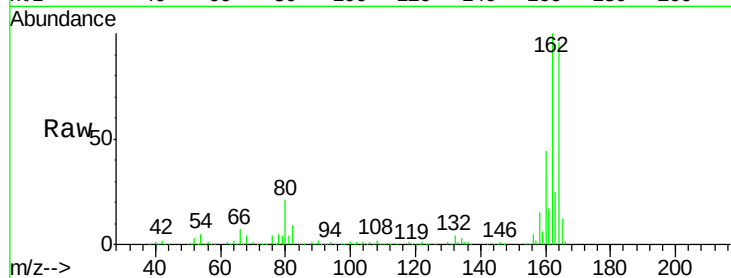
Tot Ion:164 Resp: 284814

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

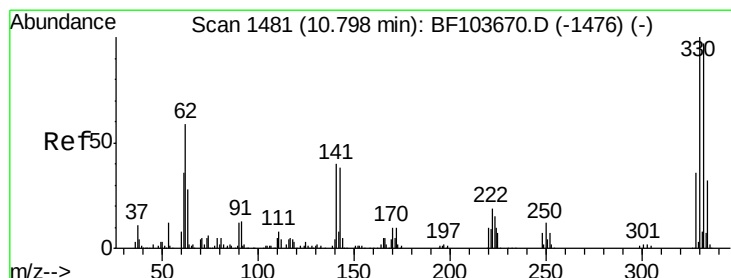
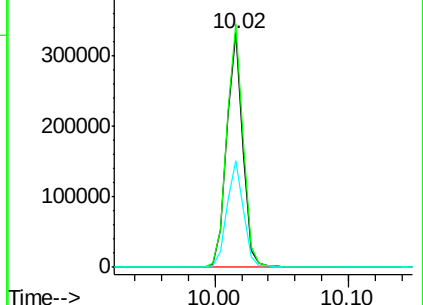
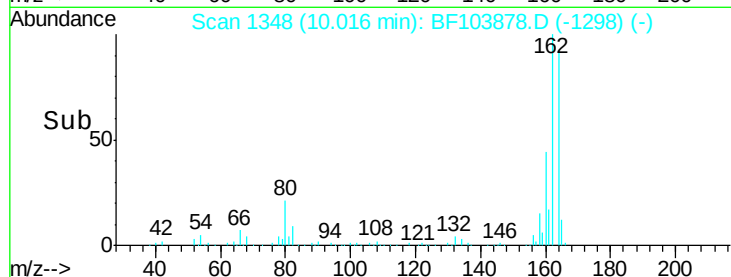
160 45.4 38.3 57.5



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: 109.018 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

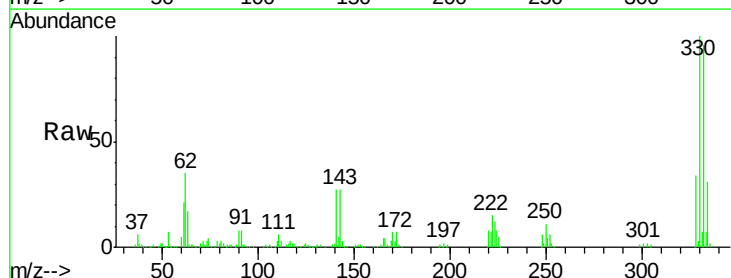
Tgt Ion:330 Resp: 266968

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

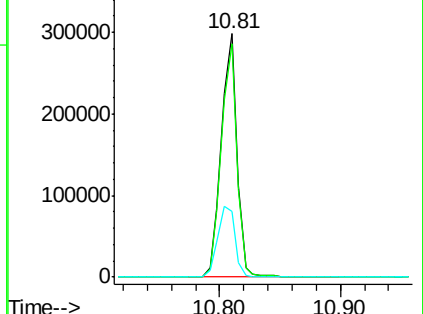
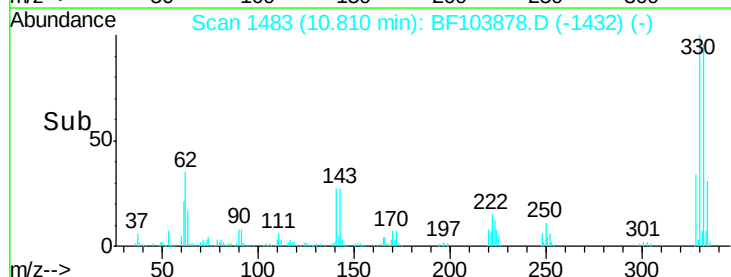
141 32.5 29.9 44.9

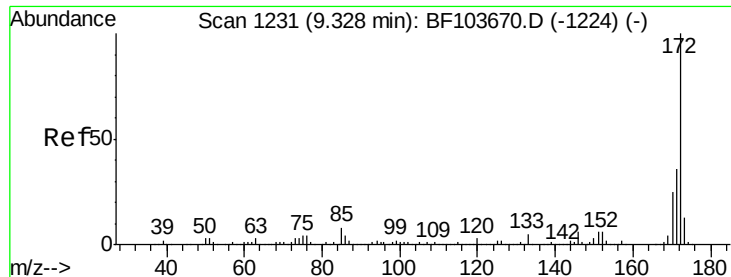


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

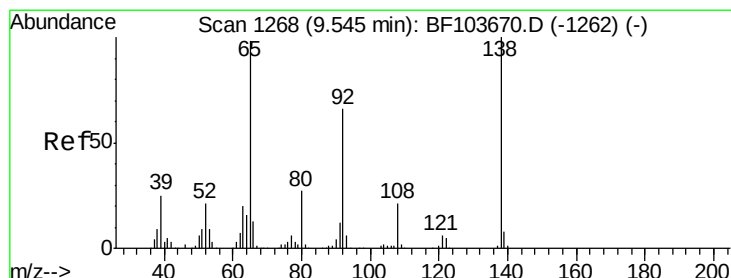
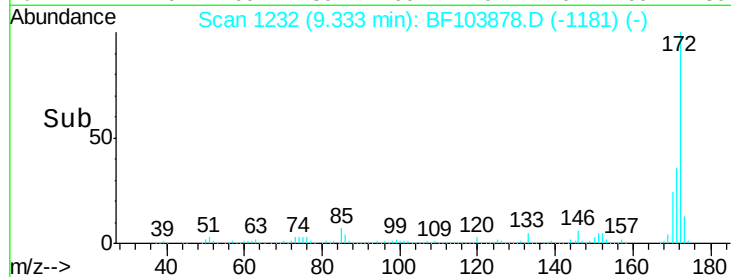
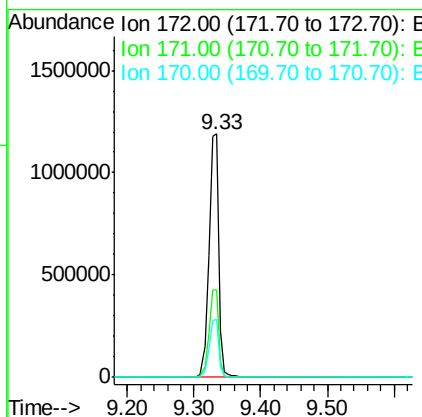
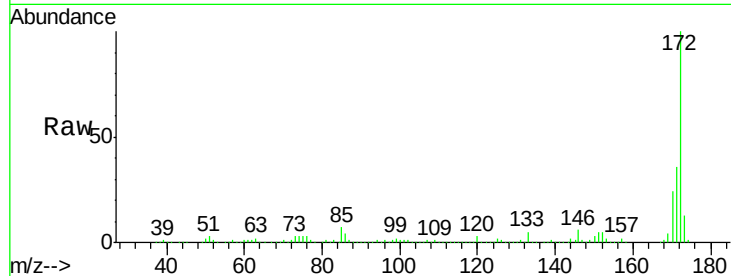




#44
2-Fluorobiphenyl
Concen: 68.172 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BF103878.D
Acq: 23 Mar 2018 14:20

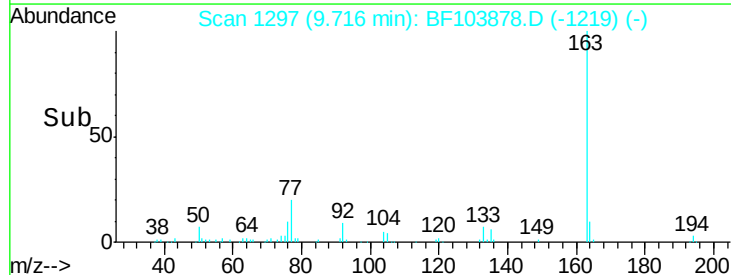
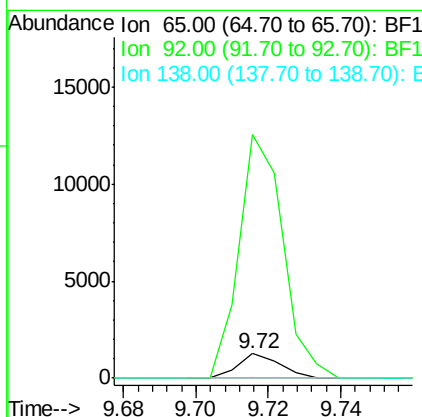
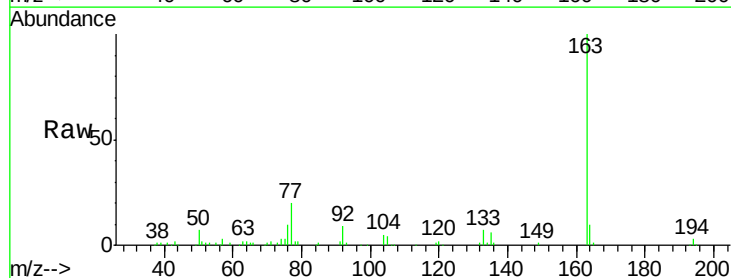
Instrument :
BNA_F
ClientSampleId :

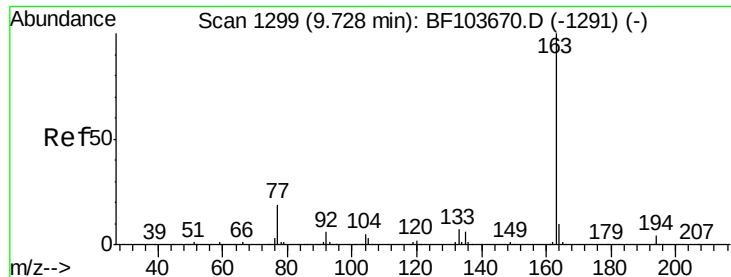
Tot Ion:172 Resp: 1217217
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.8 19.6 29.4



#47
2-Nitroaniline
Concen: 6.990 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.16 min
Lab File: BF103878.D
Acq: 23 Mar 2018 14:20

Tgt Ion: 65 Resp: 1008
Ion Ratio Lower Upper
65 100
92 986.5 55.8 83.6#
138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 6.110 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Instrument :

BNA_F

ClientSampleId :

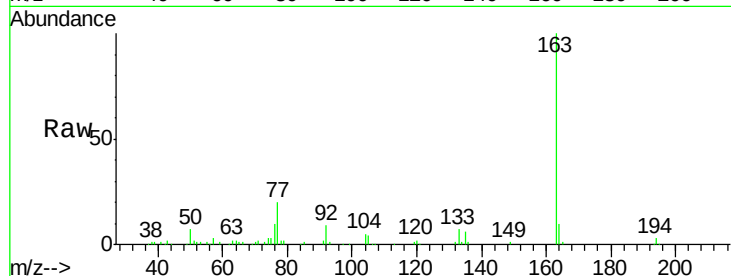
Tot Ion:163 Resp: 132772

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

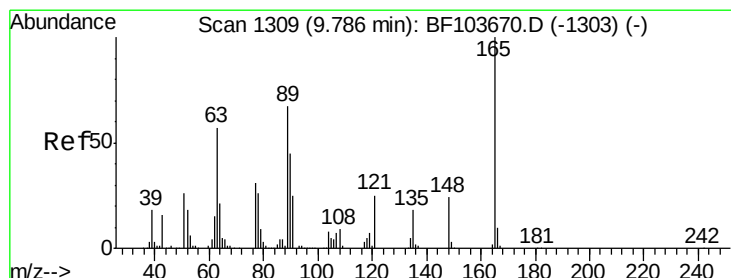
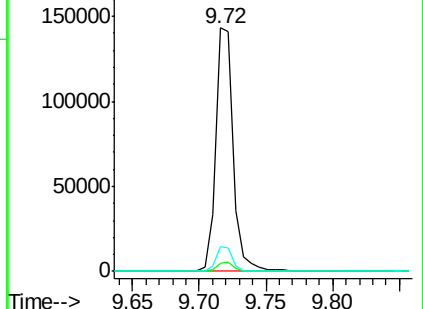
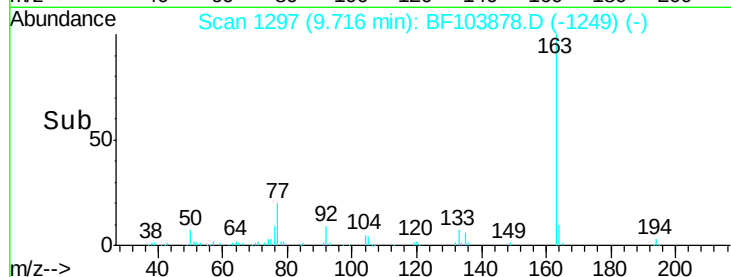
164 9.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 4.284 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.08 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

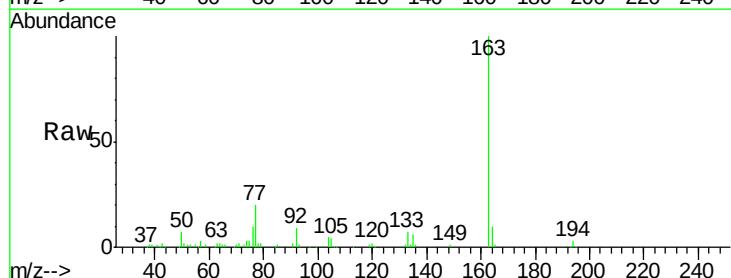
Tgt Ion:165 Resp: 1377

Ion Ratio Lower Upper

165 100

63 130.0 44.7 67.1#

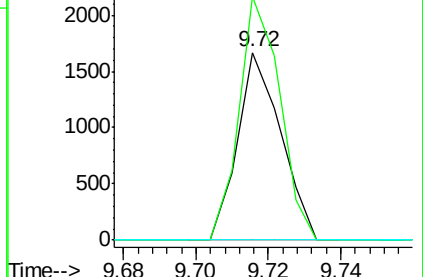
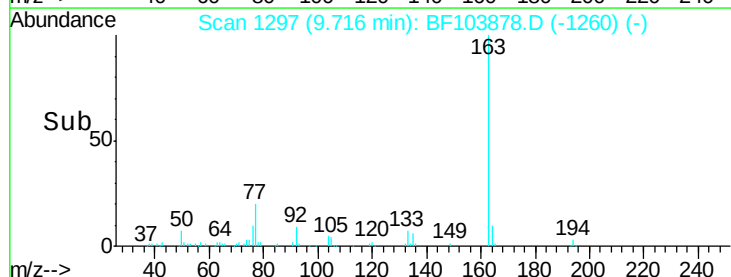
89 0.0 44.0 66.0#

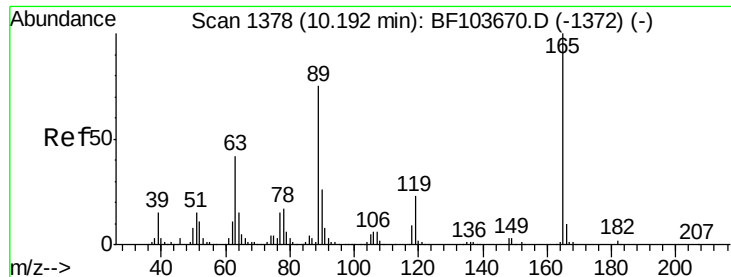


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

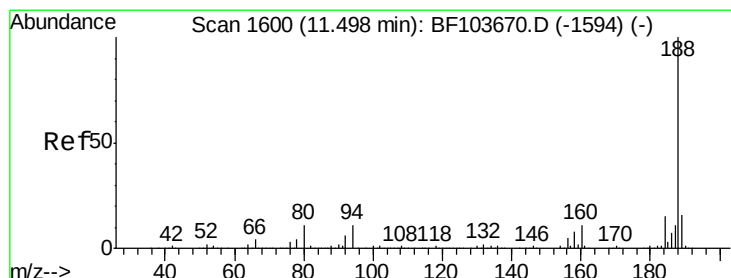
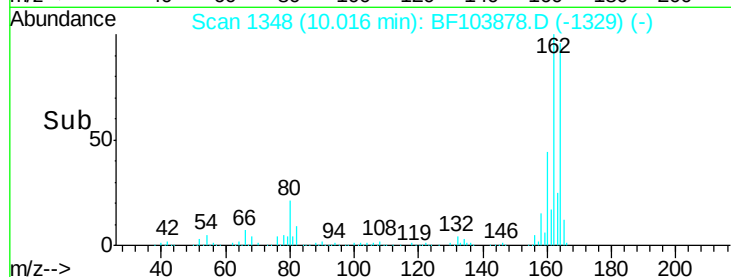
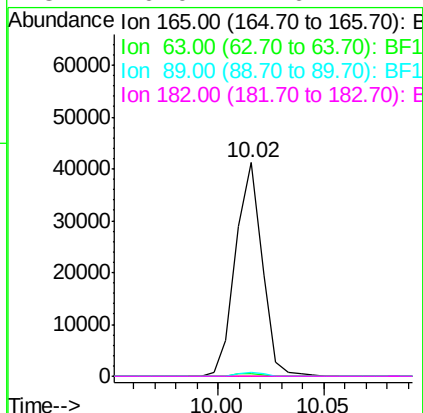
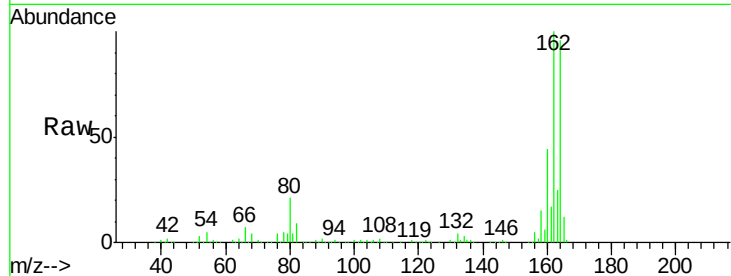




#56
 2,4-Dinitrotoluene
 Concen: 12.085 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF103878.D
 Acq: 23 Mar 2018 14:20

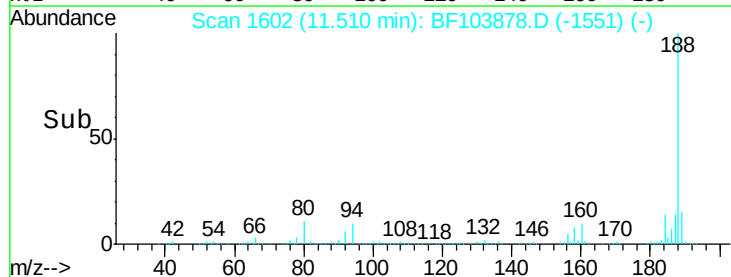
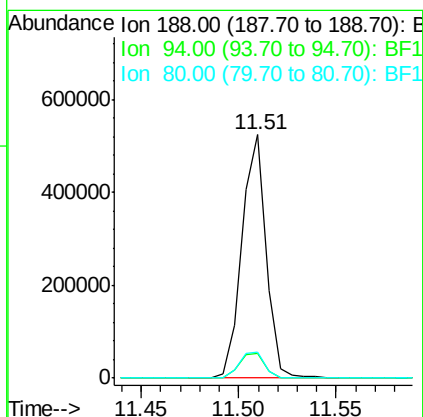
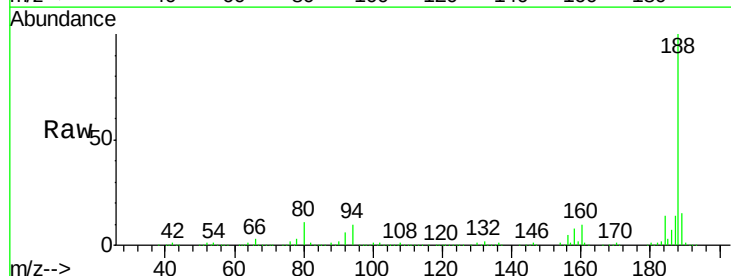
Instrument :
 BNA_F
 ClientSampleId :

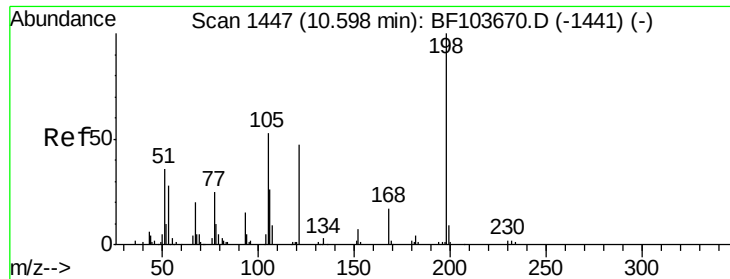
Tot Ion:165 Resp: 35920
 Ion Ratio Lower Upper
 165 100
 63 1.0 36.4 54.6#
 89 1.8 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103878.D
 Acq: 23 Mar 2018 14:20

Tgt Ion:188 Resp: 450993
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 10.7 9.2 13.8

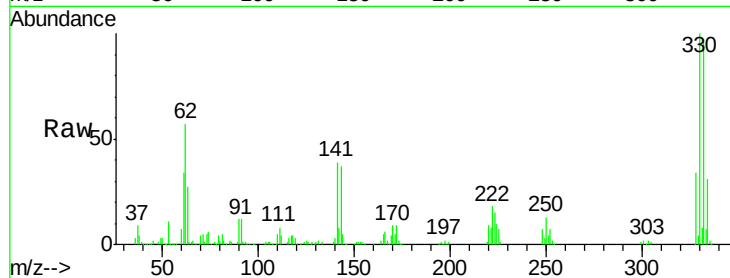




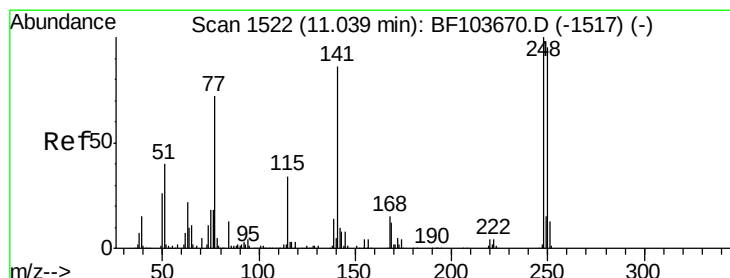
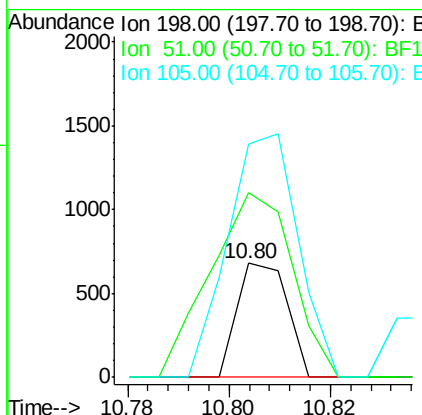
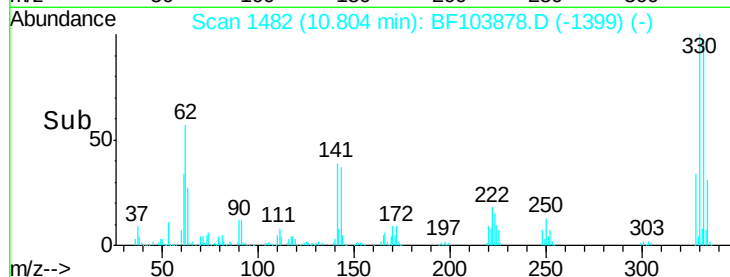
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.424 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103878.D
 Acq: 23 Mar 2018 14:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 463
 Ion Ratio Lower Upper
 198 100
 51 162.2 37.7 77.7#
 105 204.7 36.3 76.3#

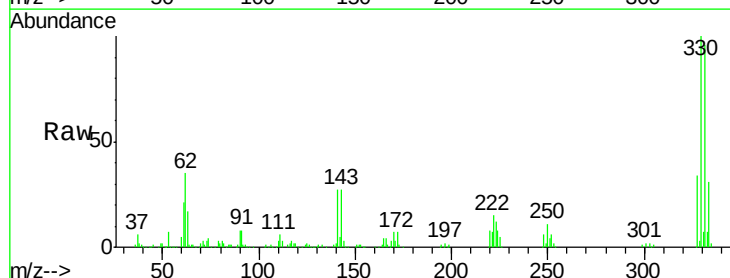


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

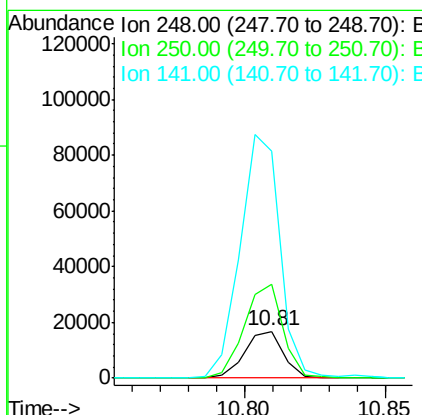
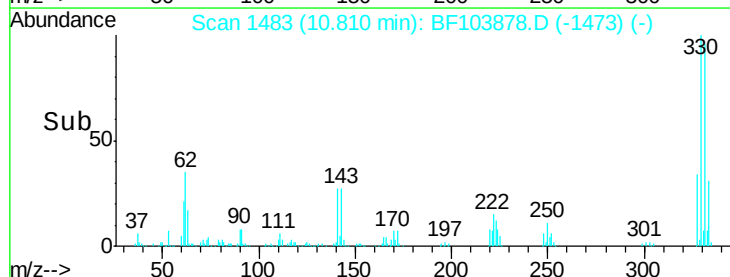


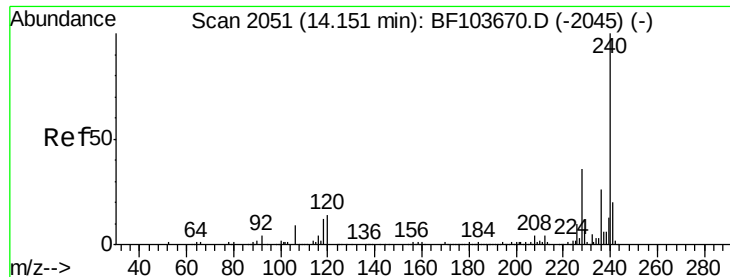
#66
 4-Bromophenyl-phenylether
 Concen: 3.436 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103878.D
 Acq: 23 Mar 2018 14:20

Tgt Ion:248 Resp: 15909
 Ion Ratio Lower Upper
 248 100
 250 201.5 76.9 115.3#
 141 485.8 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: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Instrument :

BNA_F

ClientSampleId :

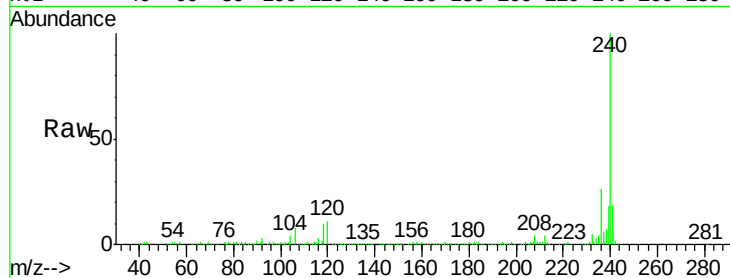
Tot Ion:240 Resp: 313630

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

236 26.1 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

14.16

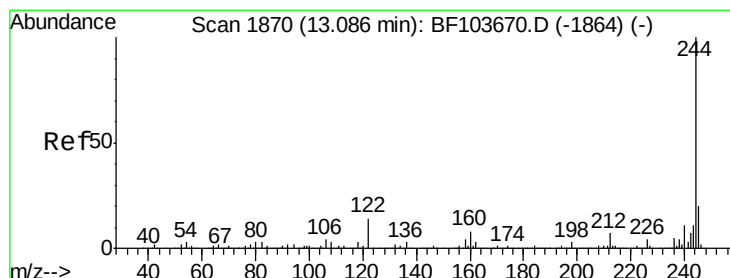
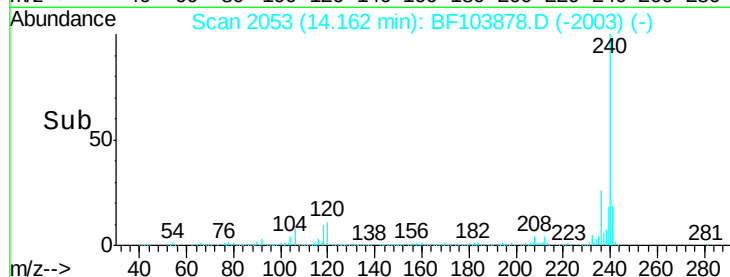
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 67.748 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

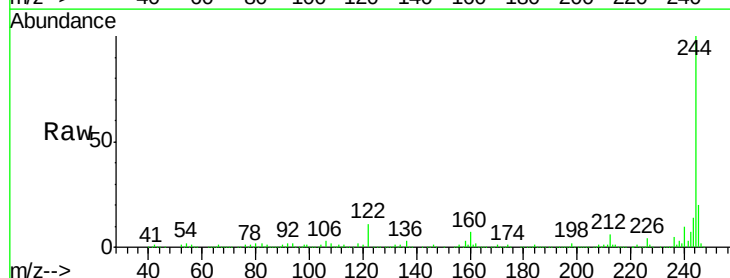
Tgt Ion:244 Resp: 915404

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.9 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

13.10

1200000

1000000

800000

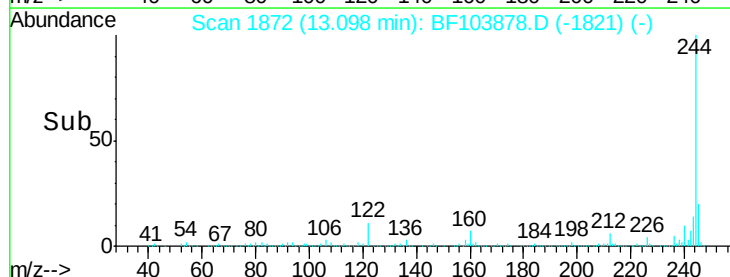
600000

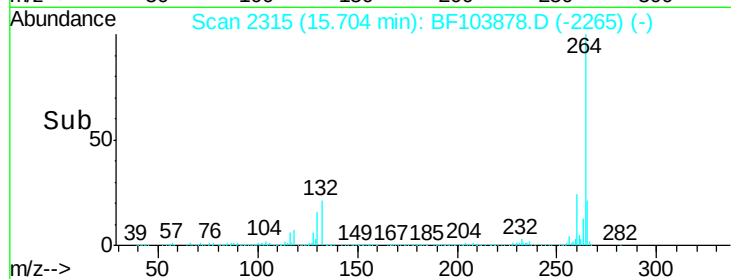
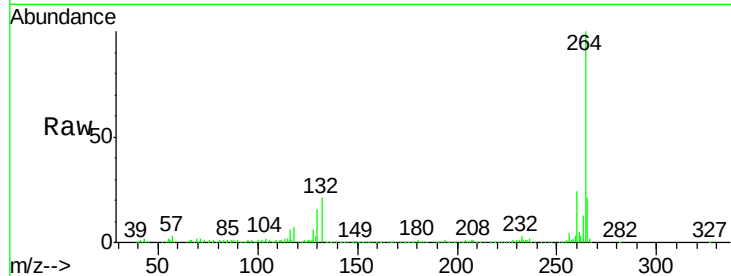
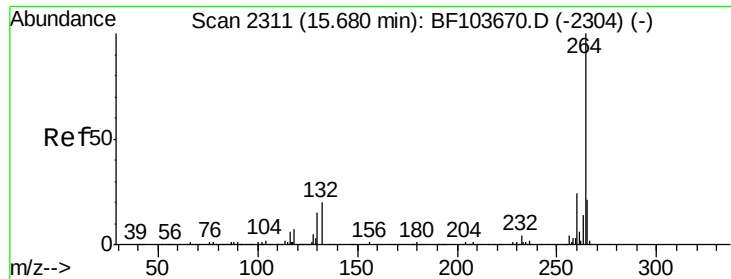
400000

200000

0

Time-->





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BF103878.D

Acq: 23 Mar 2018 14:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 312598

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.4 17.5 26.3

