

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103873.D
 Acq On : 23 Mar 2018 12:08
 Operator : JU/SJ
 Sample : J1990-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 13:29:06 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	142151	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	577616	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	279107	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	525068	20.00	ng	0.00
75) Chrysene-d12	14.16	240	501035	20.00	ng	0.00
86) Perylene-d12	15.70	264	445459	20.00	ng	0.00

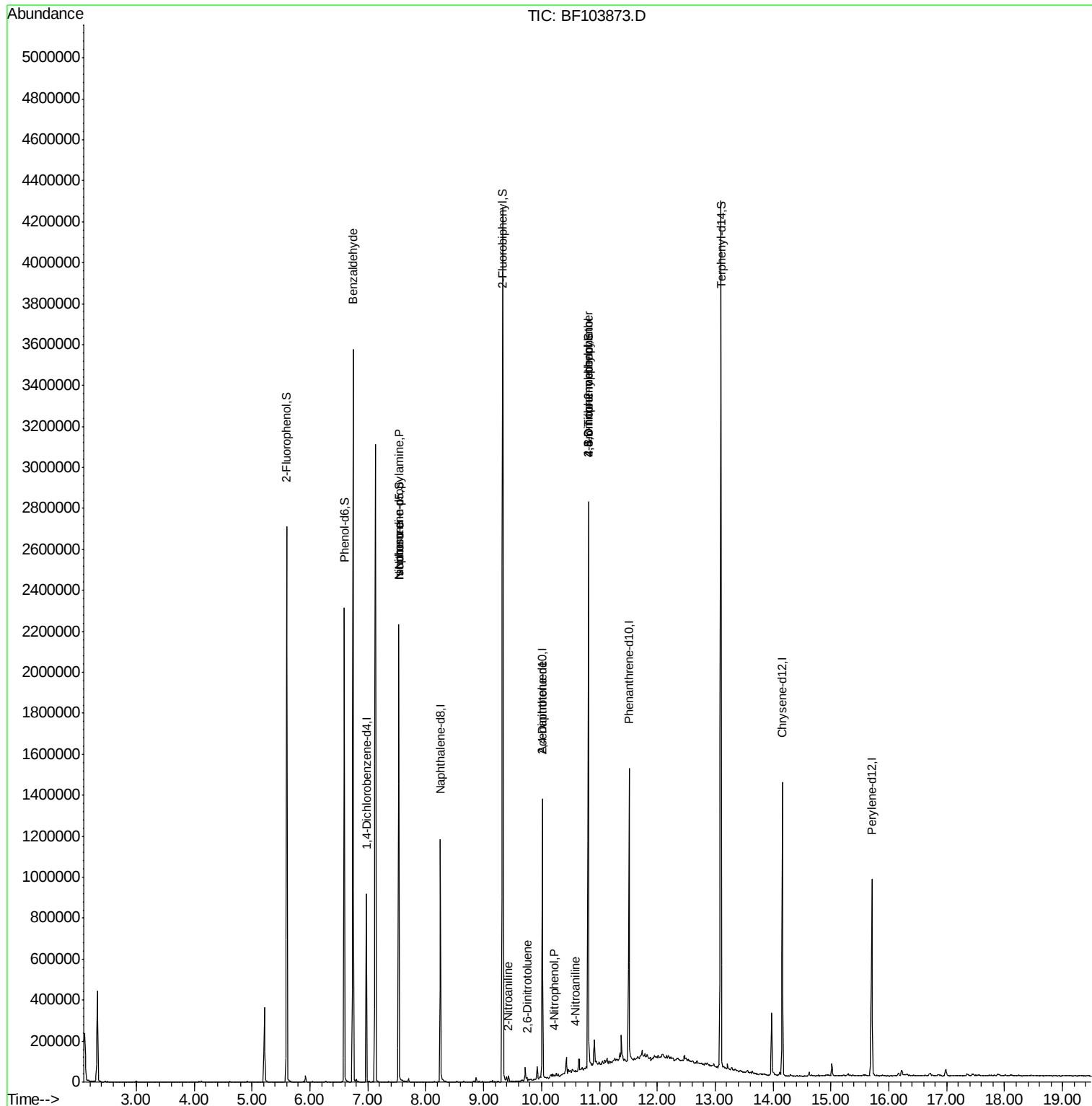
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	849184	90.86	ng	0.00
7) Phenol-d6	6.59	99	813209	71.12	ng	0.00
23) Nitrobenzene-d5	7.53	82	892251	107.72	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	388076	161.71	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1545847	88.35	ng	0.00
78) Terphenyl-d14	13.10	244	1781739	82.54	ng	0.00

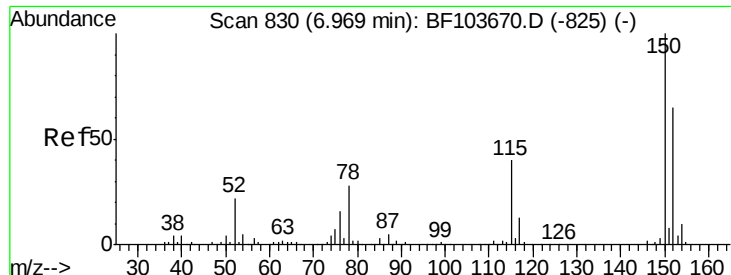
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	22187	2.954	ng	80
19) n-Nitroso-di-n-propylamine	7.53	70	114784	15.664	ng	# 72
25) Isophorone	7.53	82	892236	46.533	ng	# 64
47) 2-Nitroaniline	9.43	65	122	6.836	ng	# 2
50) 2,6-Dinitrotoluene	9.75	165	1442	4.305	ng	# 24
55) 4-Nitrophenol	10.22	139	107	4.995	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	35936	12.208	ng	# 23
61) 4-Nitroaniline	10.59	138	125	3.774	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.81	198	770	8.556	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	23569	4.372	ng	# 1

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

```
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103873.D
Acq On    : 23 Mar 2018  12:08
Operator  : JU/SJ
Sample    : J1990-01
Misc      :
ALS Vial  : 9      Sample Multiplier: 1
```

Quant Time: Mar 23 13:29:06 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



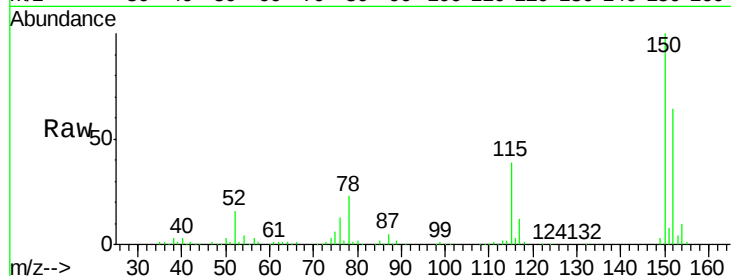


#1

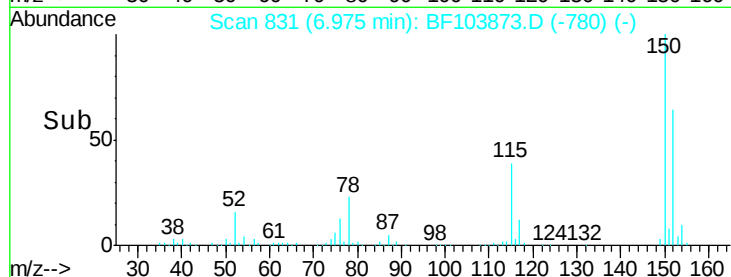
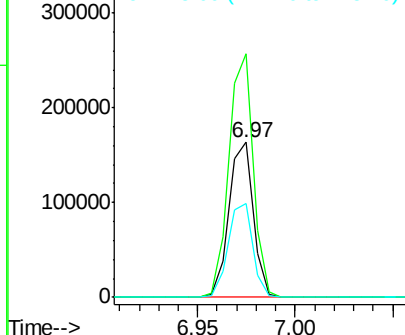
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	60.8	50.1	75.1



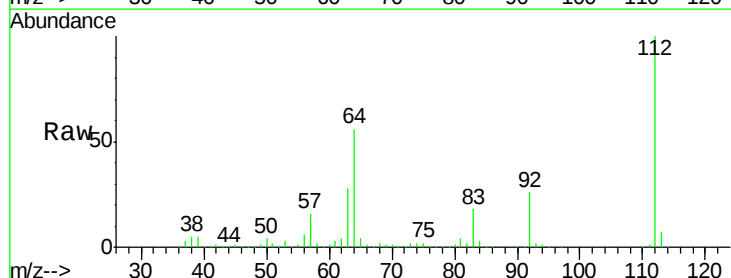
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



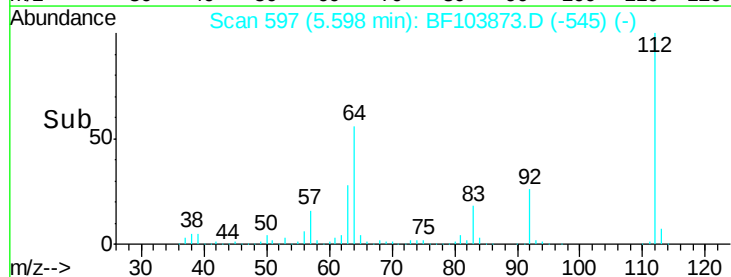
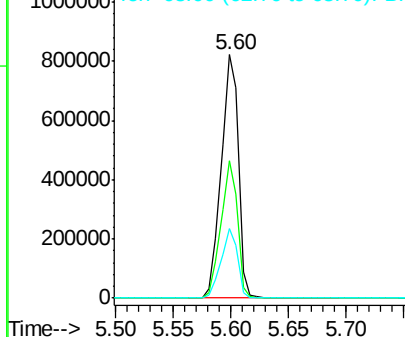
#5

2-Fluorophenol
Concen: 90.861 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.4	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: 71.121 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF103873.D

Acq: 23 Mar 2018 12:08

Instrument :

BNA_F

ClientSampled :

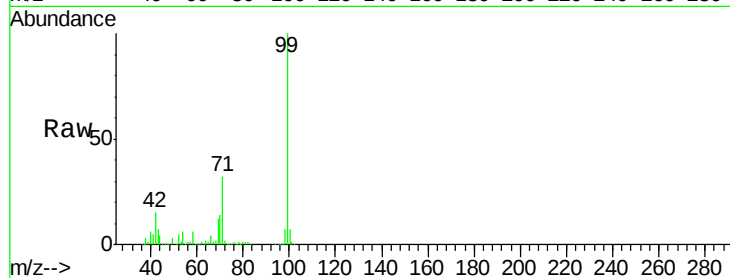
Tot Ion: 99 Resp: 813209

Ion Ratio Lower Upper

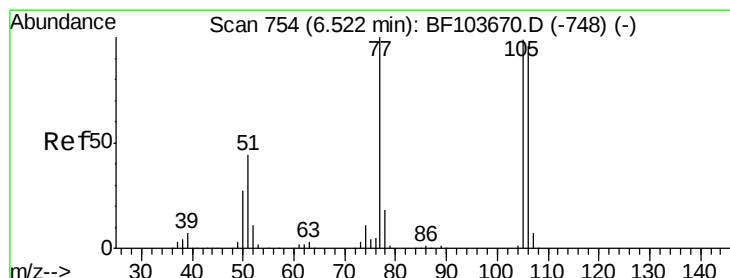
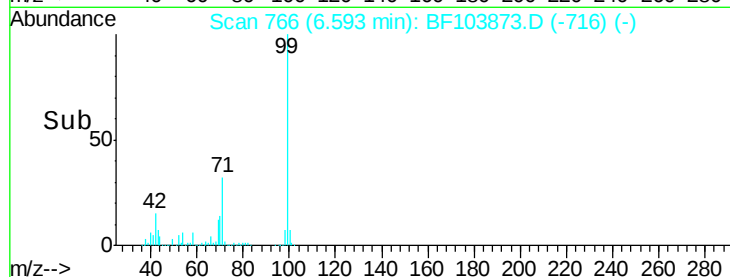
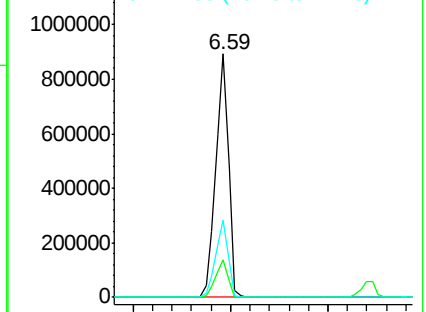
99 100

42 15.2 14.5 21.7

71 31.9 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: 2.954 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103873.D

Acq: 23 Mar 2018 12:08

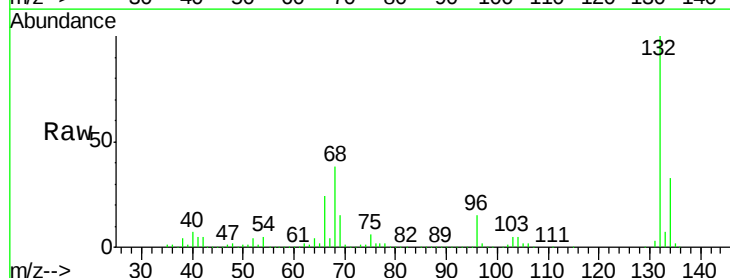
Tgt Ion: 77 Resp: 22187

Ion Ratio Lower Upper

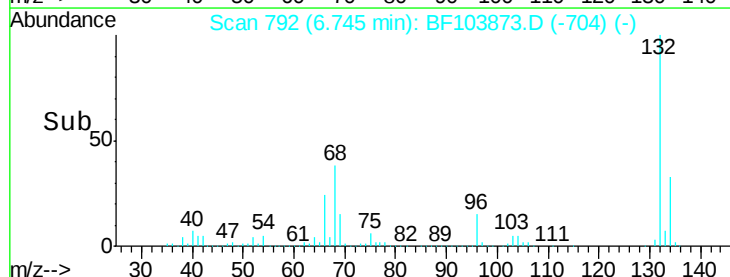
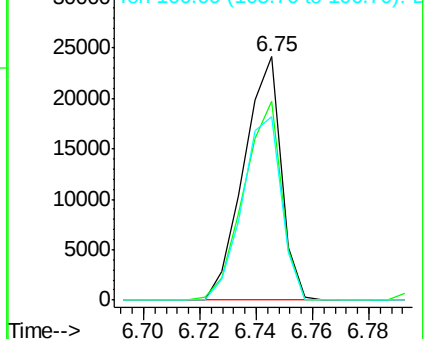
77 100

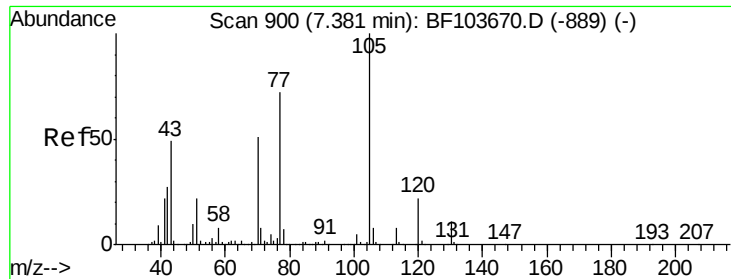
105 81.8 81.1 121.1

106 75.2 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: 15.664 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103873.D

Acq: 23 Mar 2018 12:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 114784

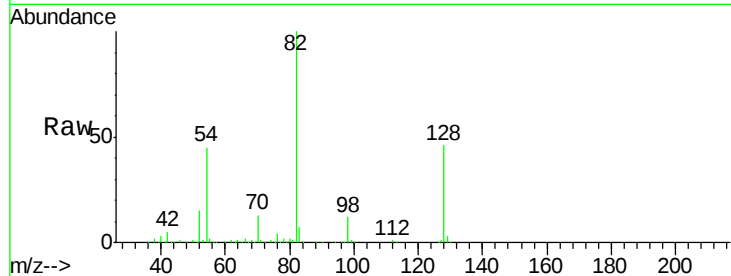
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

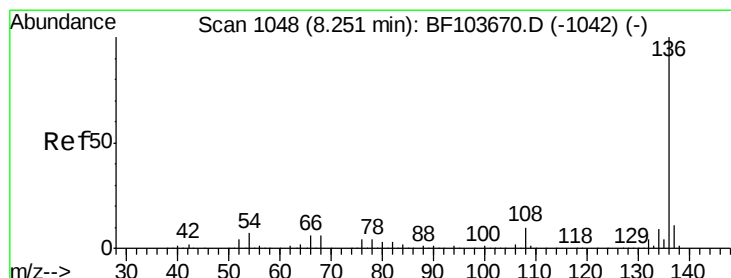
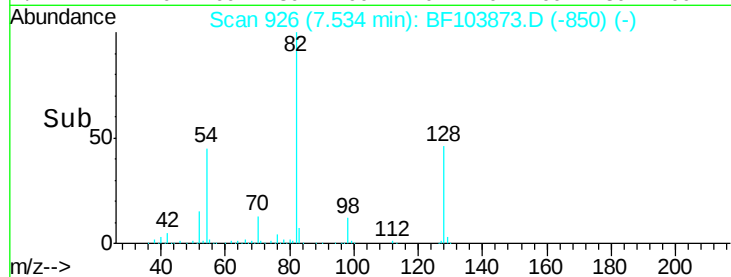
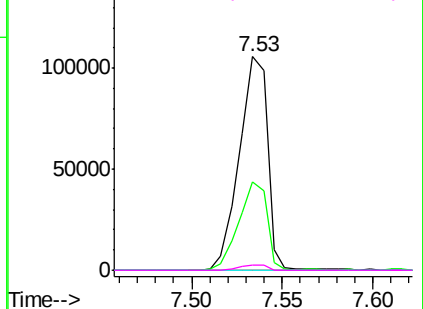


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103873.D

Acq: 23 Mar 2018 12:08

Tgt Ion: 136 Resp: 577616

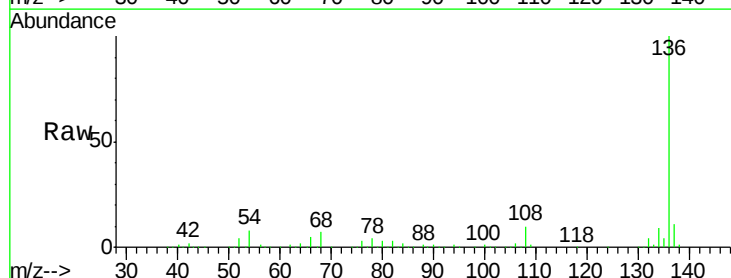
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.6 6.6 9.8

68 6.7 5.0 7.4

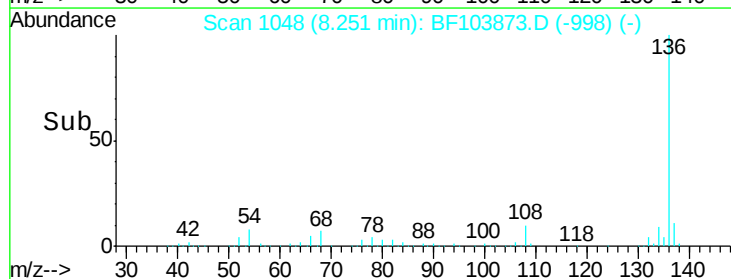
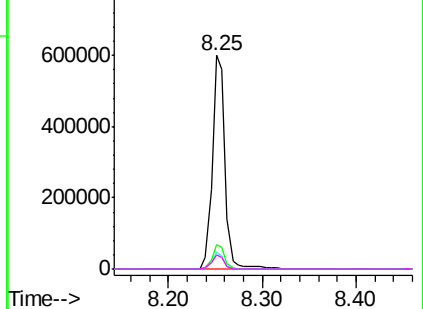


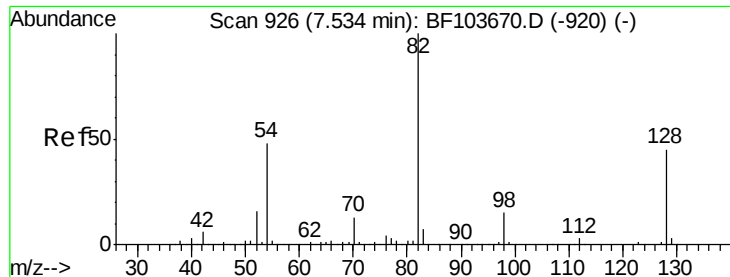
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

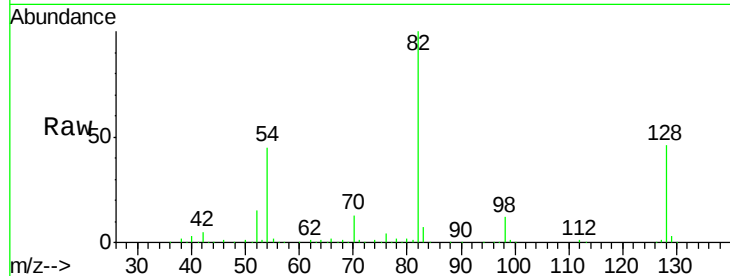




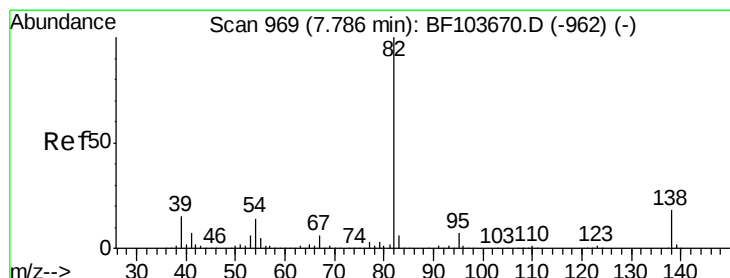
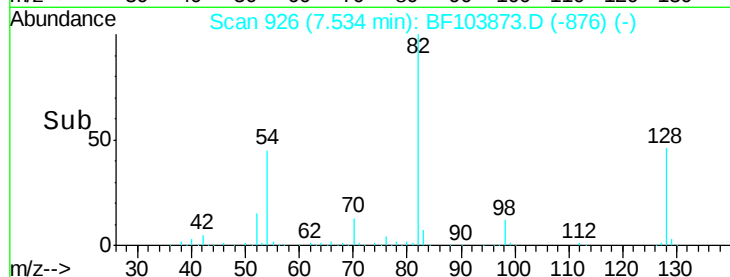
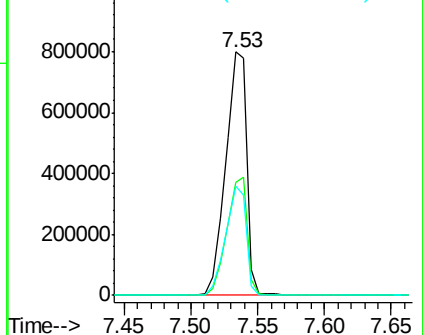
#23
 Nitrobenzene-d5
 Concen: 107.722 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 892251
 Ion Ratio Lower Upper
 82 100
 128 46.4 36.1 54.1
 54 44.7 41.4 62.2

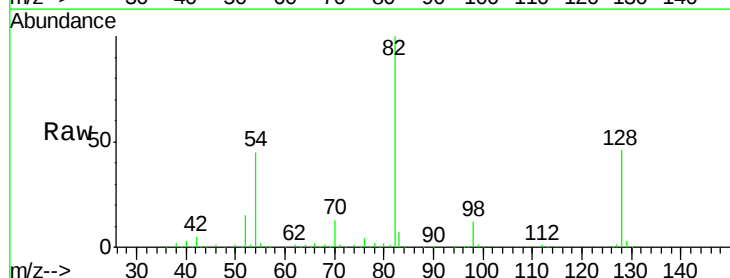


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

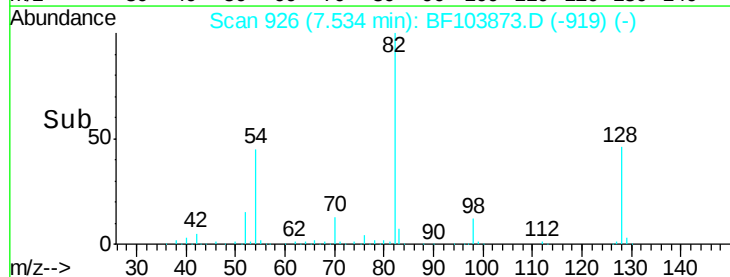
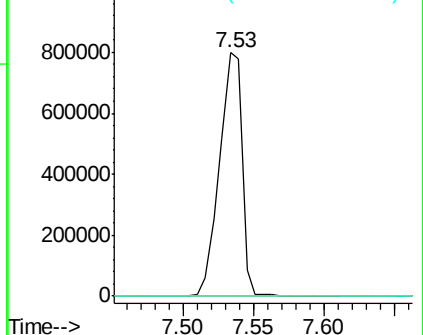


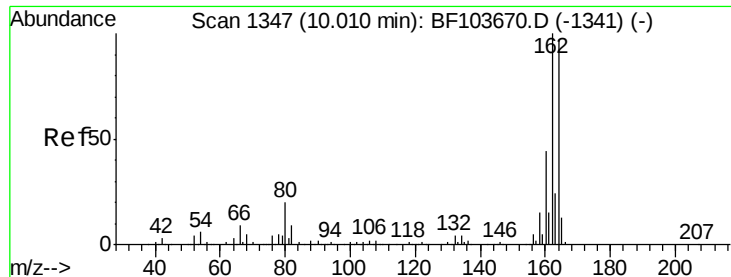
#25
 Isophorone
 Concen: 46.533 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.26 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Tgt Ion: 82 Resp: 892236
 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: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103873.D

Acq: 23 Mar 2018 12:08

Instrument :

BNA_F

ClientSampleId :

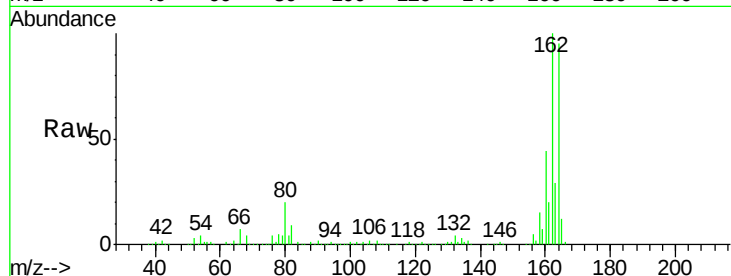
Tot Ion:164 Resp: 279107

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

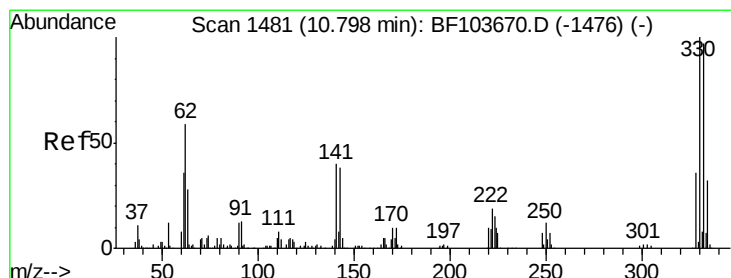
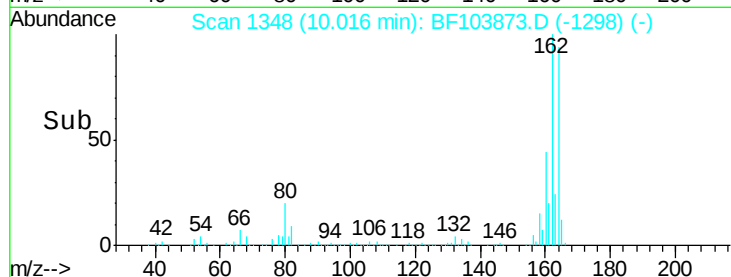
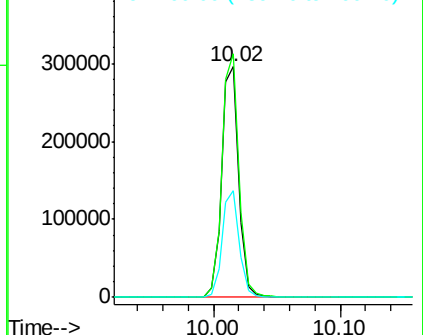
160 46.4 38.3 57.5



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: 161.713 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF103873.D

Acq: 23 Mar 2018 12:08

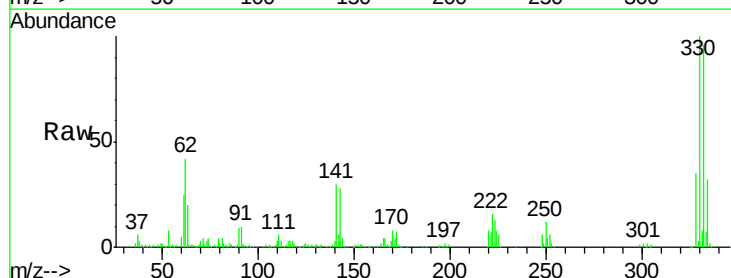
Tgt Ion:330 Resp: 388076

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

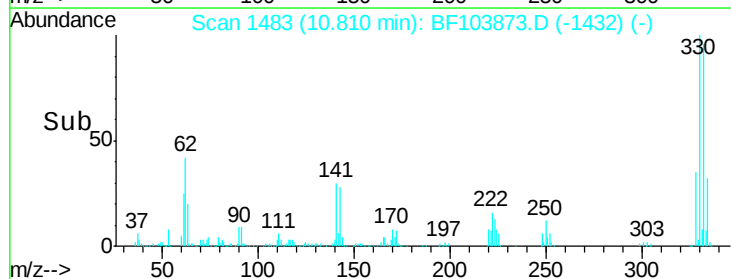
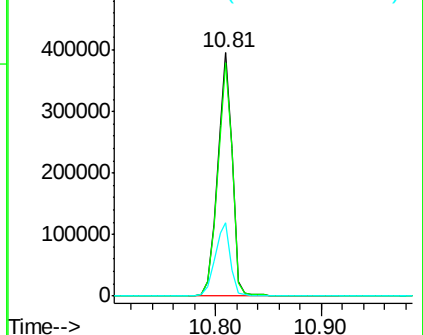
141 31.6 29.9 44.9

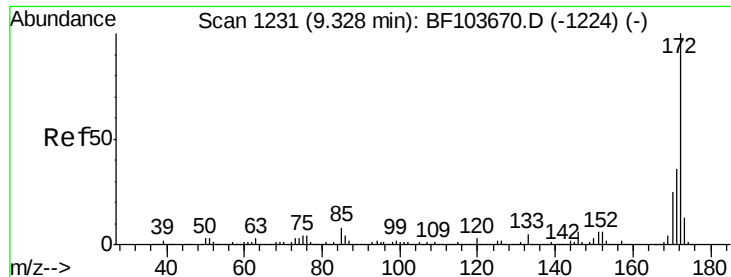


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



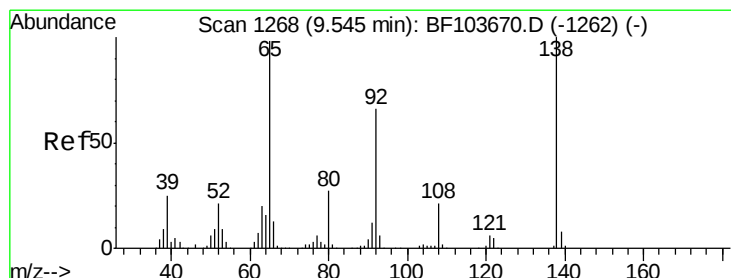
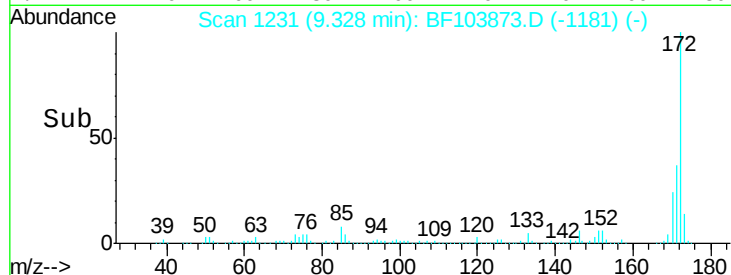
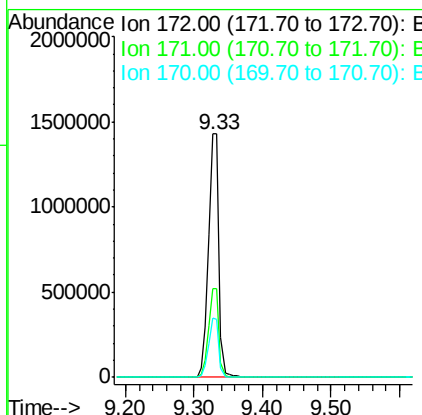
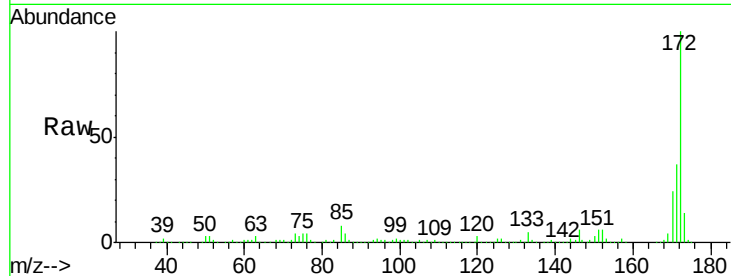


#44
 2-Fluorobiphenyl
 Concen: 88.348 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1545847

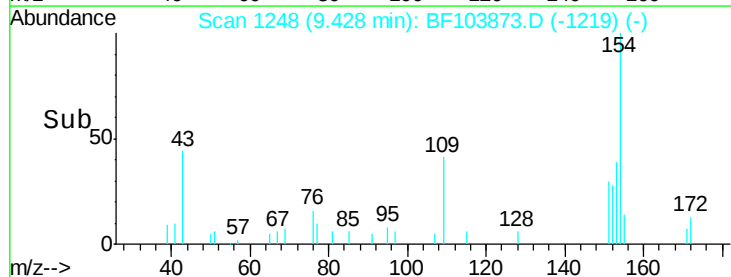
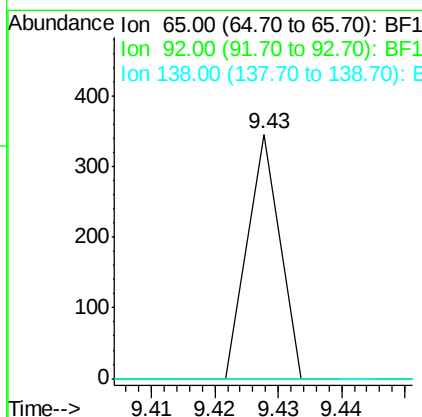
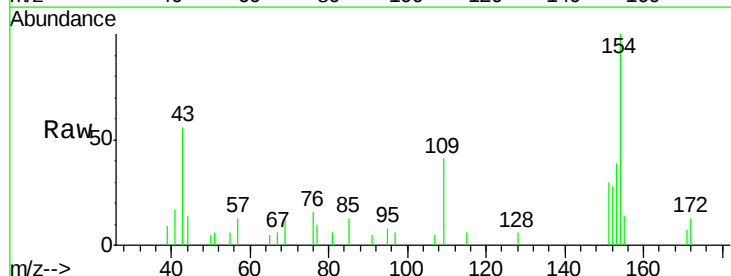
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.1	19.6	29.4

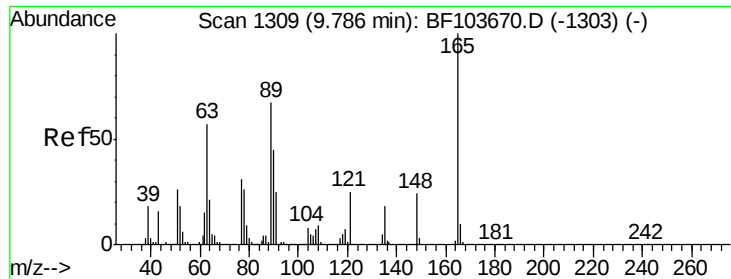


#47
 2-Nitroaniline
 Concen: 6.836 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.13 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Tgt Ion: 65 Resp: 122

Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	0.0	91.2	136.8#

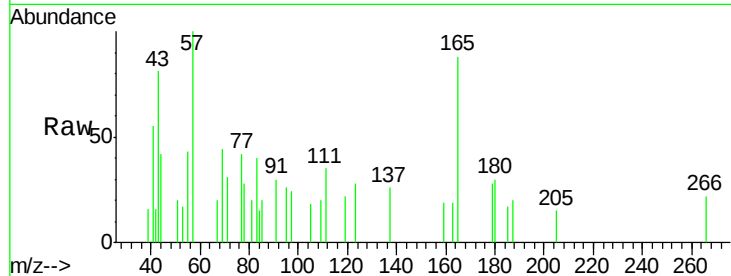




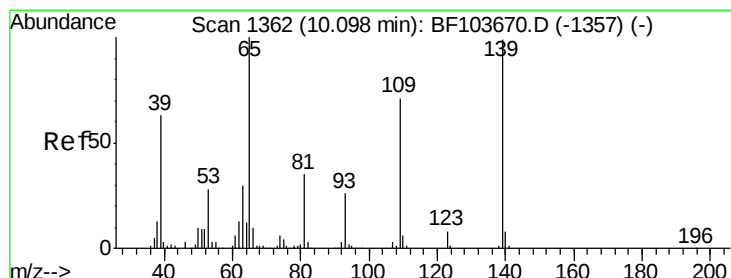
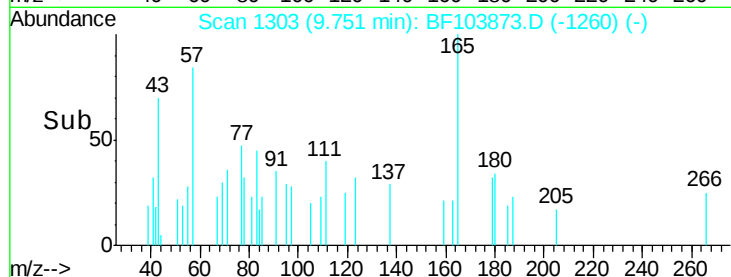
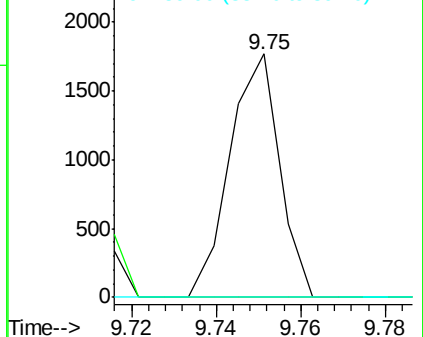
#50
 2,6-Dinitrotoluene
 Concen: 4.305 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.05 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 1442
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

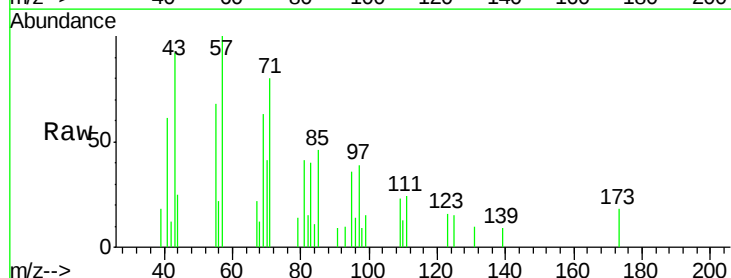


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

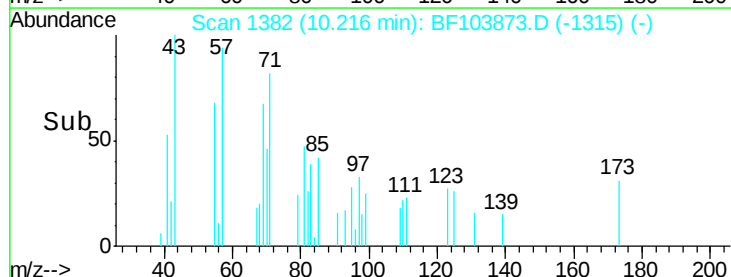
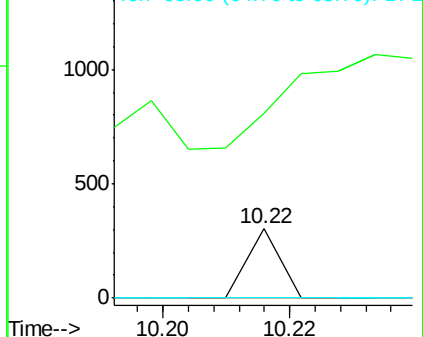


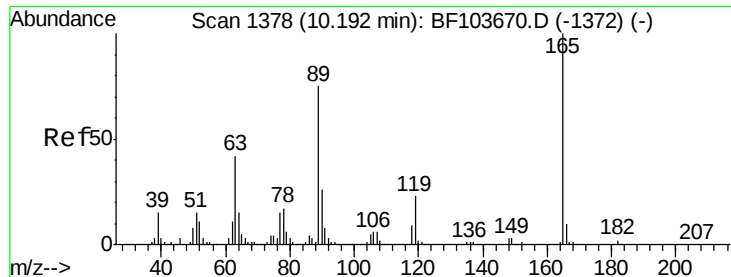
#55
 4-Nitrophenol
 Concen: 4.995 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.09 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Tgt Ion:139 Resp: 107
 Ion Ratio Lower Upper
 139 100
 109 267.9 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

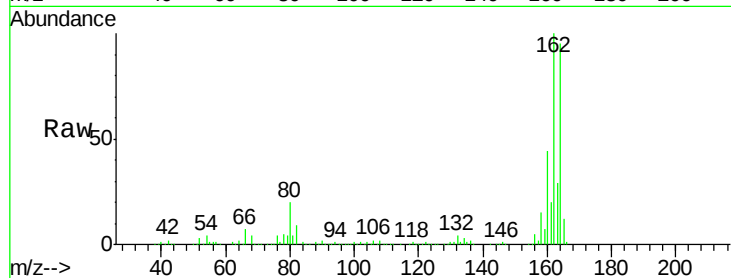




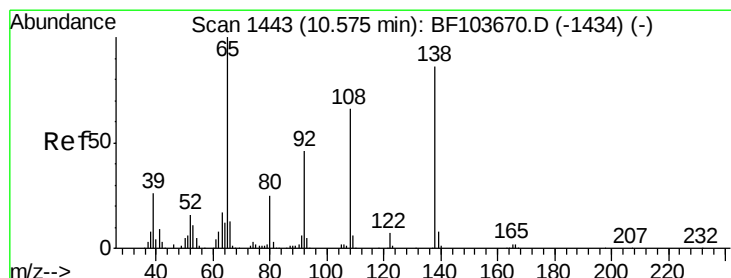
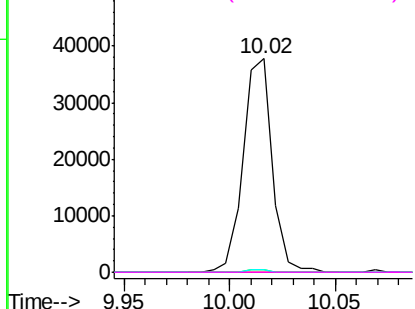
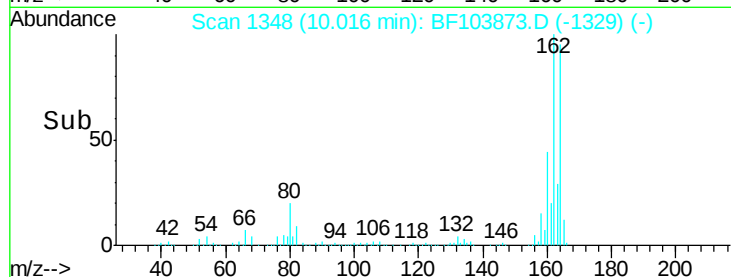
#56
2,4-Dinitrotoluene
Concen: 12.208 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.19 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

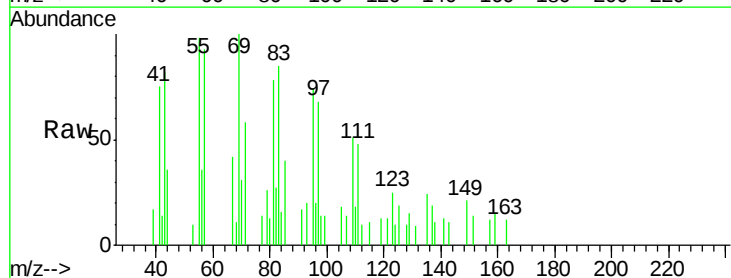


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

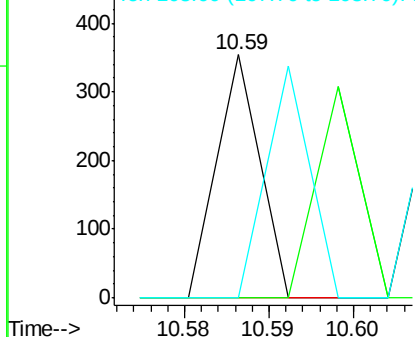
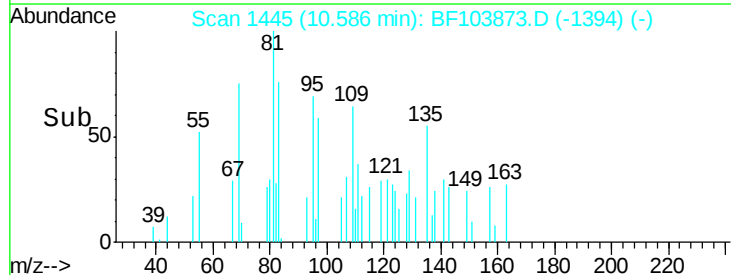


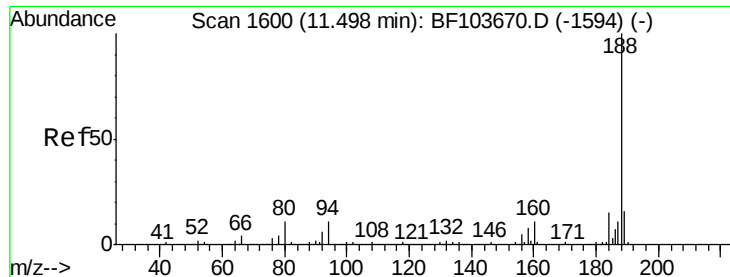
#61
4-Nitroaniline
Concen: 3.774 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.2	70.2#
108	0.0	52.5	92.5#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

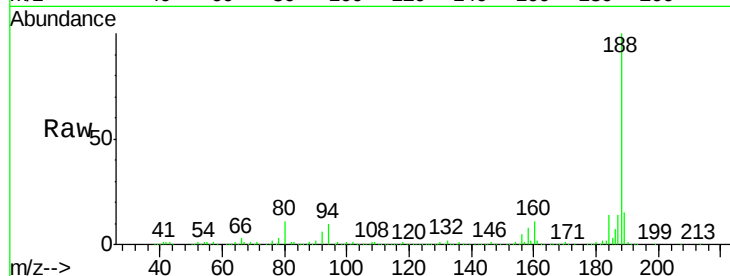




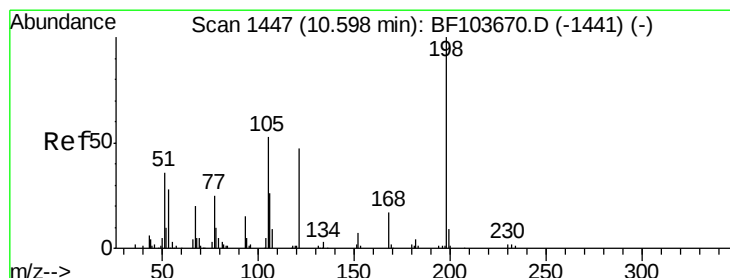
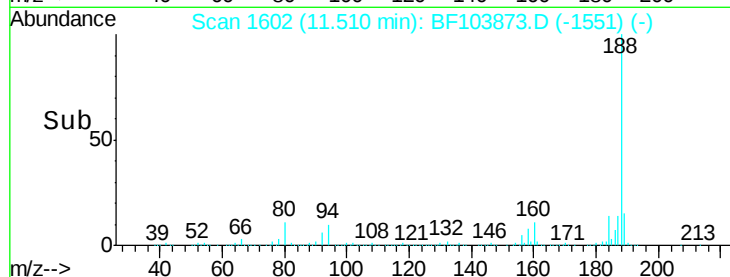
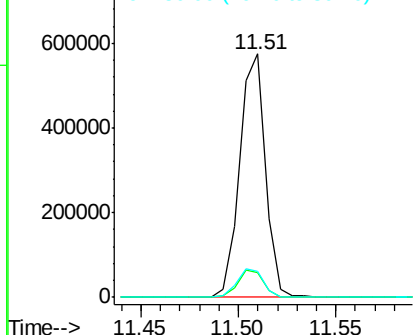
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 525068
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.6 9.2 13.8

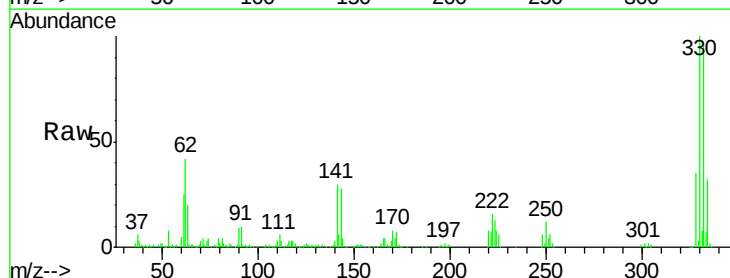


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

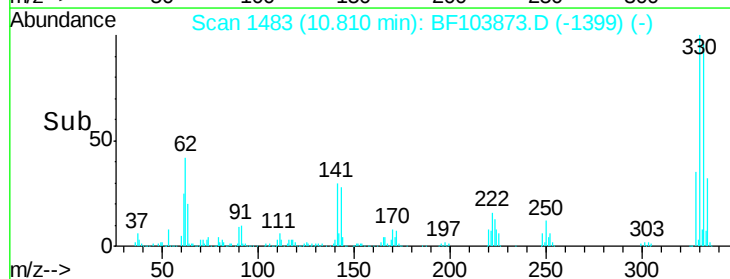
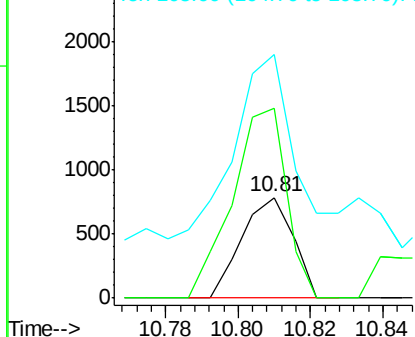


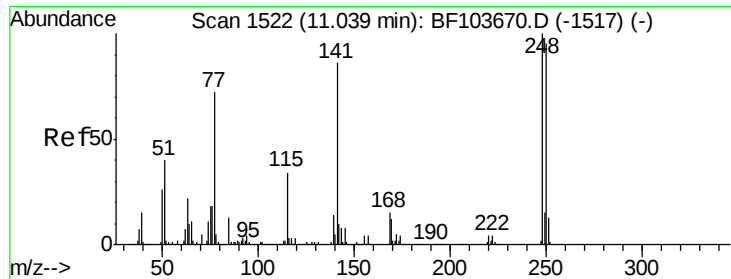
#64
4,6-Dinitro-2-methylphenol
Concen: 8.556 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.19 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Tgt Ion:198 Resp: 770
Ion Ratio Lower Upper
198 100
51 188.5 37.7 77.7#
105 241.4 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

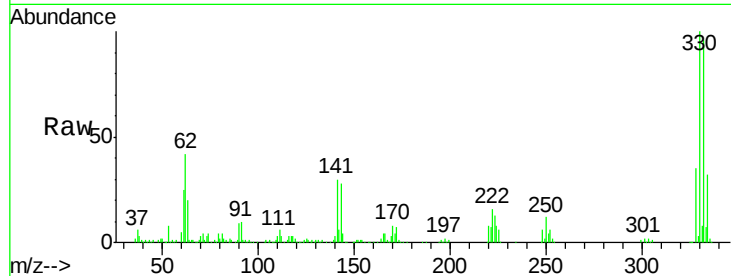




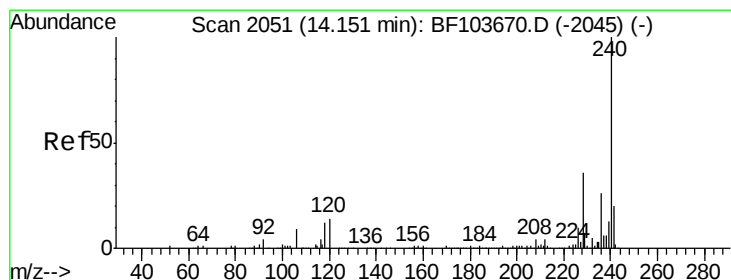
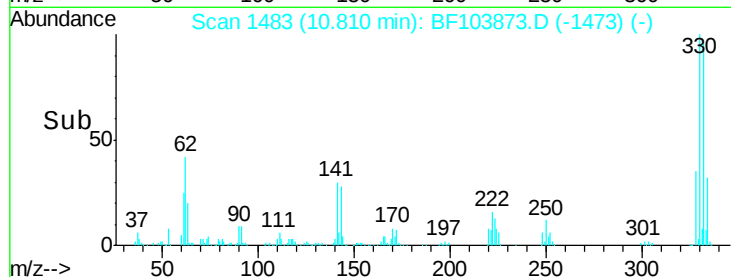
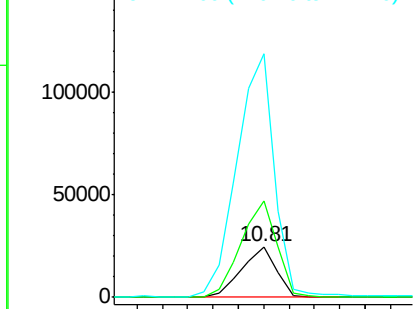
#66
4-Bromophenyl-phenylether
Concen: 4.372 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23569
Ion Ratio Lower Upper
248 100
250 190.8 76.9 115.3#
141 481.7 74.4 111.6#

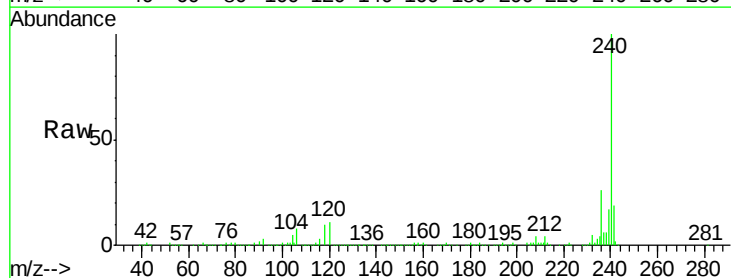


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

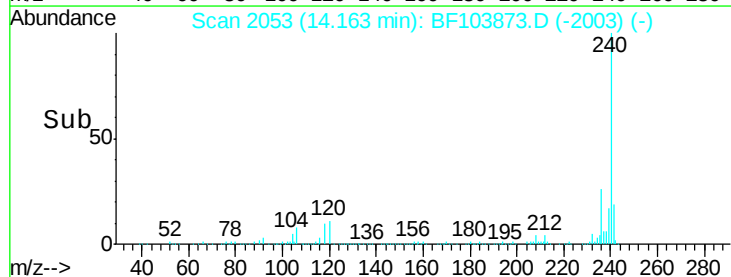
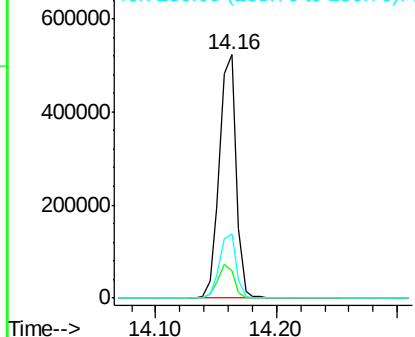


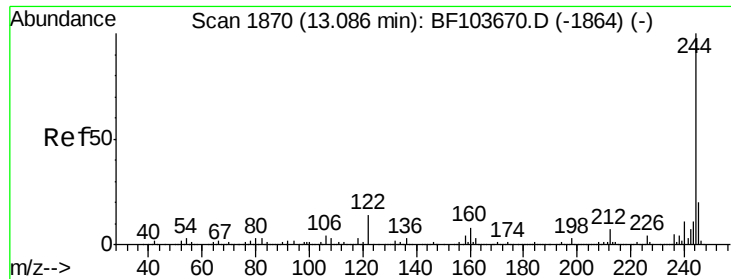
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF103873.D
Acq: 23 Mar 2018 12:08

Tgt Ion:240 Resp: 501035
Ion Ratio Lower Upper
240 100
120 11.1 9.5 14.3
236 26.3 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

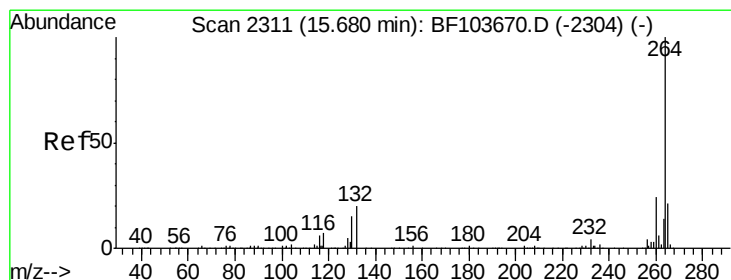
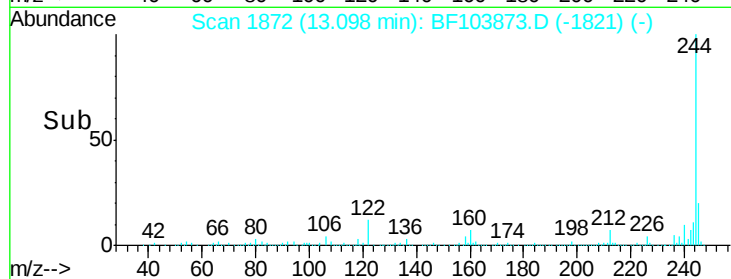
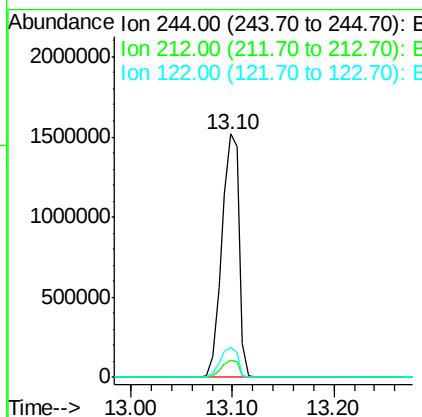
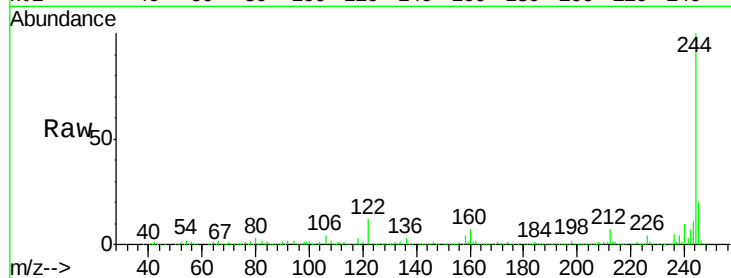




#78
 Terphenyl-d14
 Concen: 82.543 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1781739
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BF103873.D
 Acq: 23 Mar 2018 12:08

Tgt Ion:264 Resp: 445459
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.7 17.5 26.3

