

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103720.D
 Acq On : 17 Mar 2018 2:00
 Operator : JU/SJ
 Sample : J1915-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 17 03:24:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	173148	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	675623	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	279605	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	389705	20.00	ng	0.00
75) Chrysene-d12	14.15	240	335044	20.00	ng	0.00
86) Perylene-d12	15.69	264	258255	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	930403	81.73	ng	0.01
7) Phenol-d6	6.59	99	1136900	81.63	ng	0.00
23) Nitrobenzene-d5	7.53	82	694898	71.73	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	193594	80.53	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1166437	66.55	ng	0.00
78) Terphenyl-d14	13.09	244	812163	56.27	ng	0.00

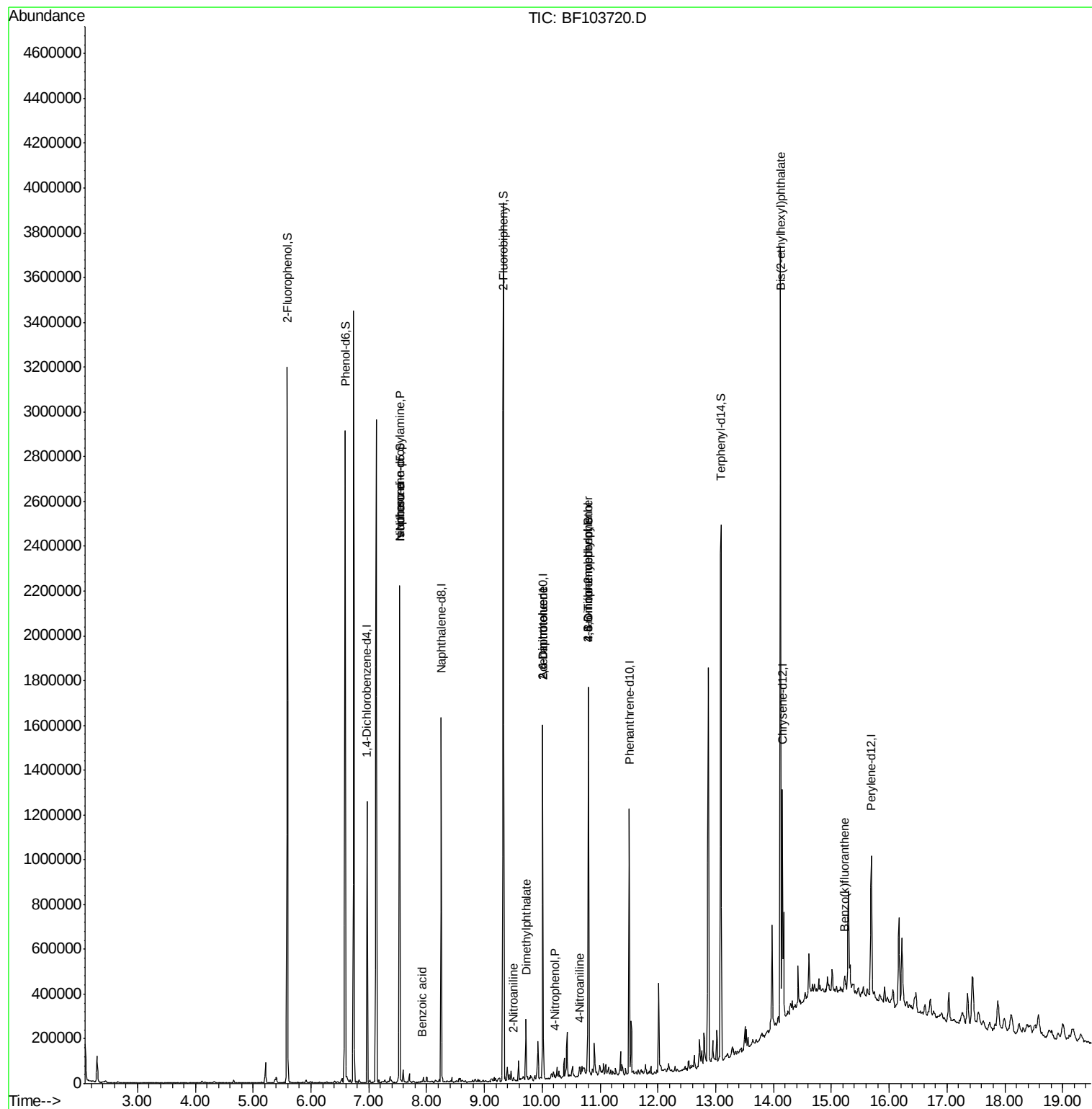
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	91553	10.257	ng	# 73
25) Isophorone	7.53	82	694890	30.983	ng	# 64
32) Benzoic acid	7.93	122	557	9.970	ng	# 90
47) 2-Nitroaniline	9.51	65	361	6.878	ng	# 1
49) Dimethylphthalate	9.72	163	77659	3.640	ng	# 99
50) 2,6-Dinitrotoluene	10.01	165	35582	11.891	ng	# 25
55) 4-Nitrophenol	10.22	139	132	5.001	ng	# 3
56) 2,4-Dinitrotoluene	10.01	165	35582	12.139	ng	# 23
61) 4-Nitroaniline	10.66	138	109	3.770	ng	# 52
64) 4,6-Dinitro-2-methylphenol	10.80	198	524	8.519	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	12015	3.003	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.12	149	1004110	64.475	ng	# 100
88) Benzo(k)fluoranthene	15.23	252	31567	2.013	ng	# 75

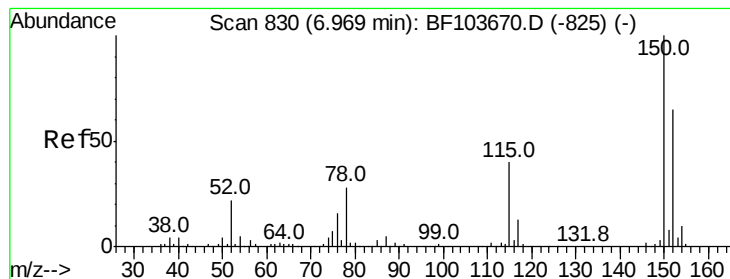
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.97 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Instrument :
BNA_F
ClientSampled :

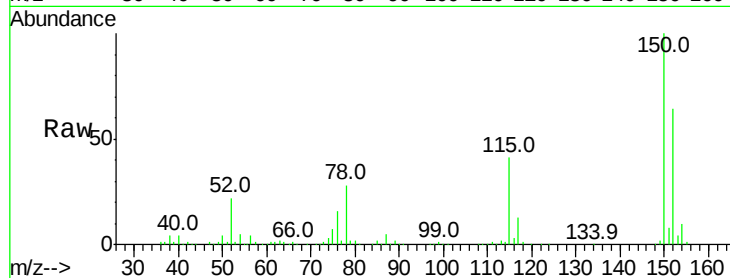
Tot Ion:152 Resp: 173148

Ion Ratio Lower Upper

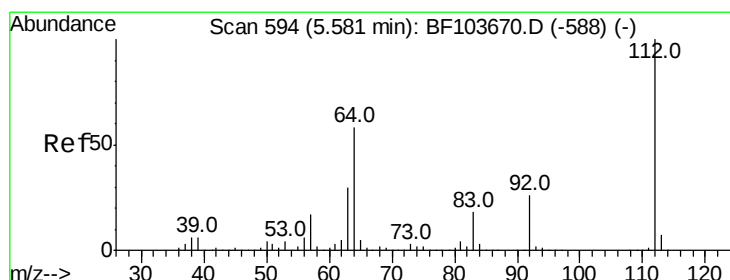
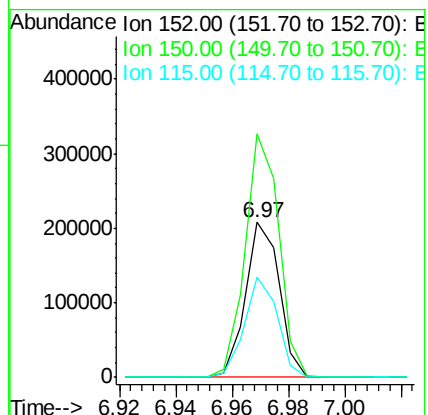
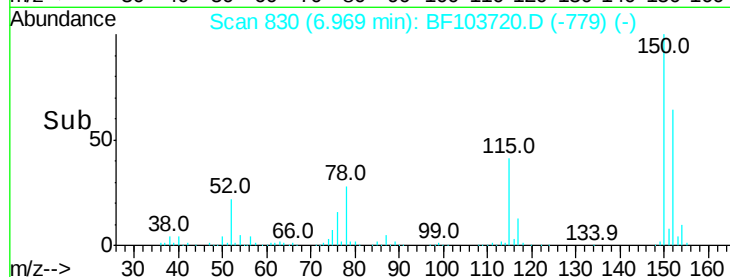
152 100

150 157.2 124.6 186.8

115 64.8 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: 81.730 ng

RT: 5.59 min Scan# 596

Delta R.T. 0.01 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

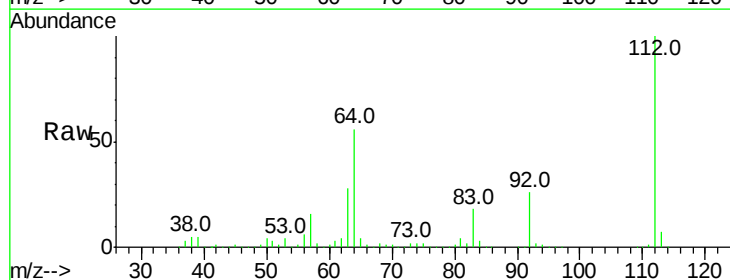
Tgt Ion:112 Resp: 930403

Ion Ratio Lower Upper

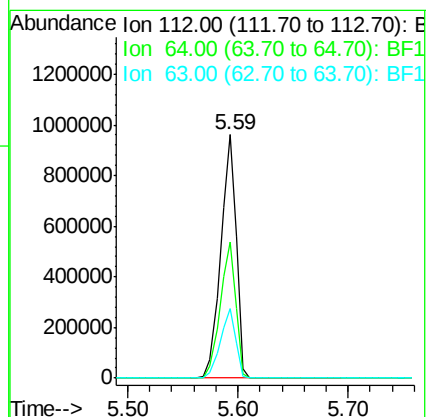
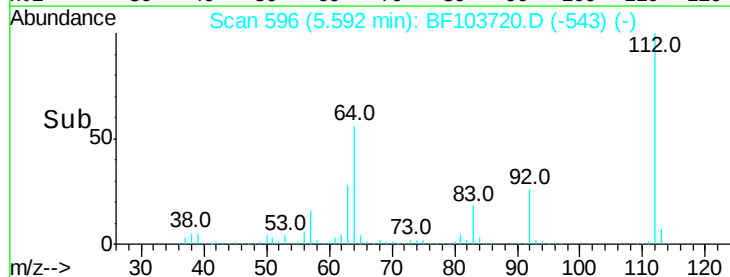
112 100

64 55.7 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: 81.631 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Instrument :

BNA_F

ClientSampled :

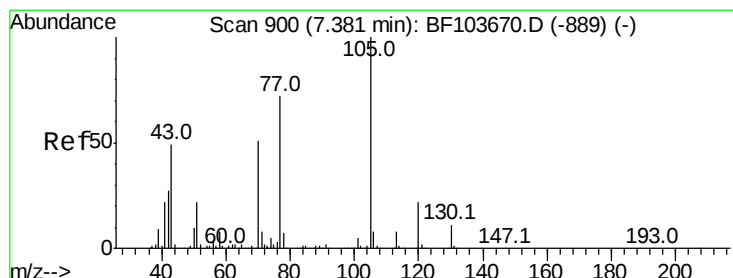
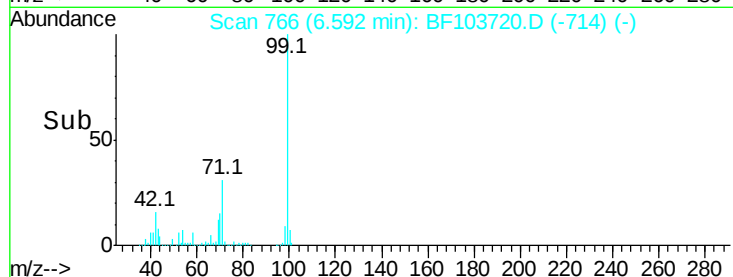
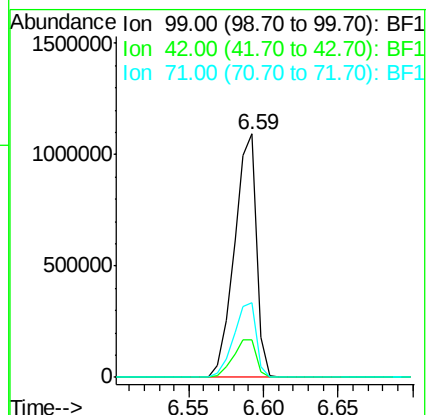
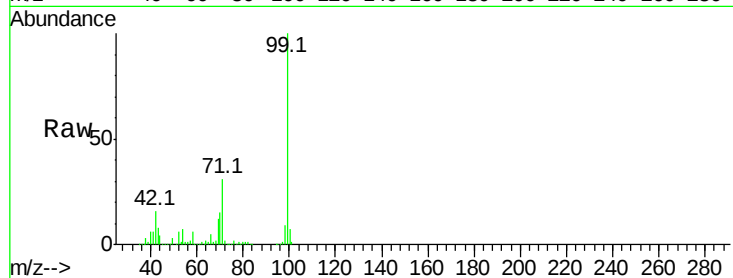
Tot Ion: 99 Resp: 1136900

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 30.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.257 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Tgt Ion: 70 Resp: 91553

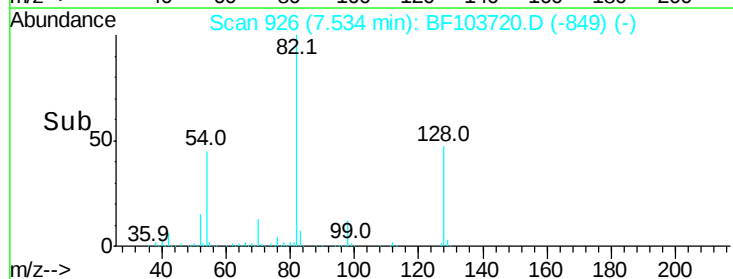
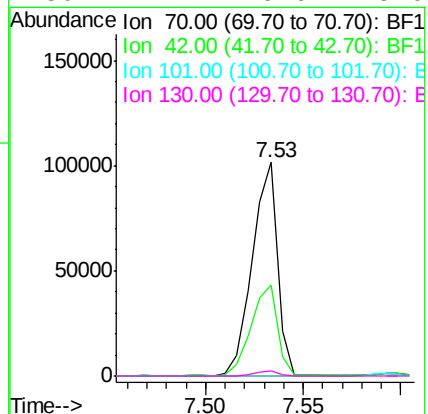
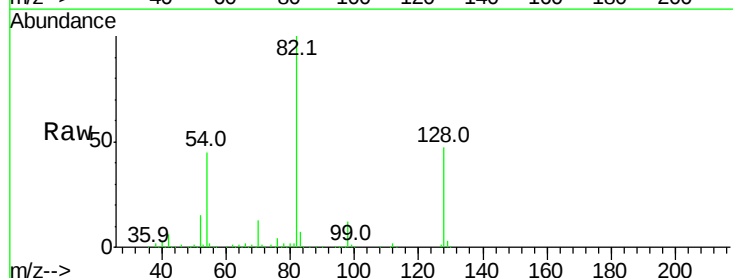
Ion Ratio Lower Upper

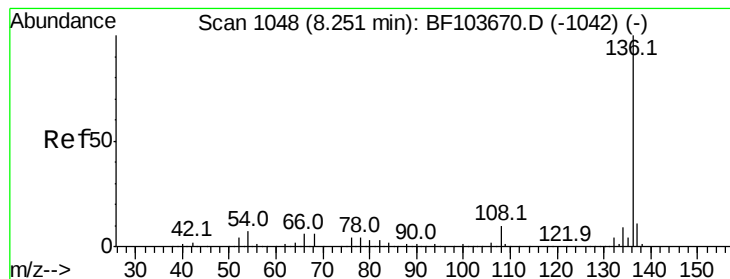
70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 675623

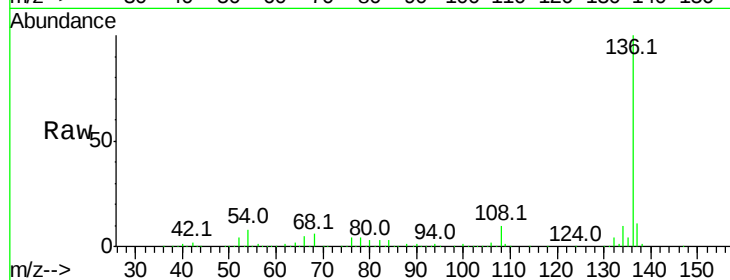
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.8 6.6 9.8

68 6.4 5.0 7.4

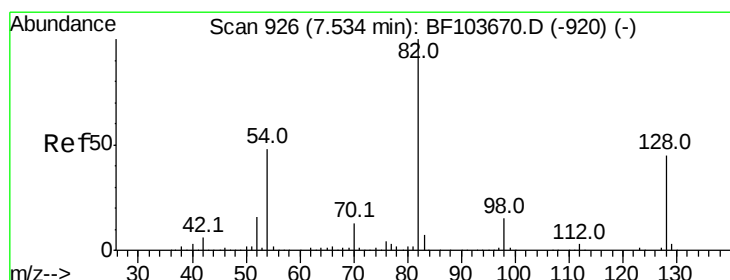
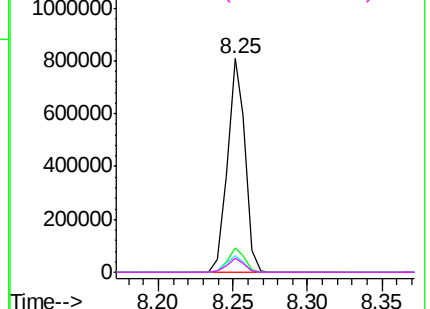
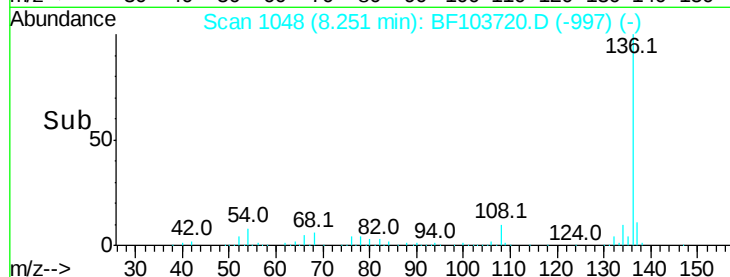


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.725 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.00 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

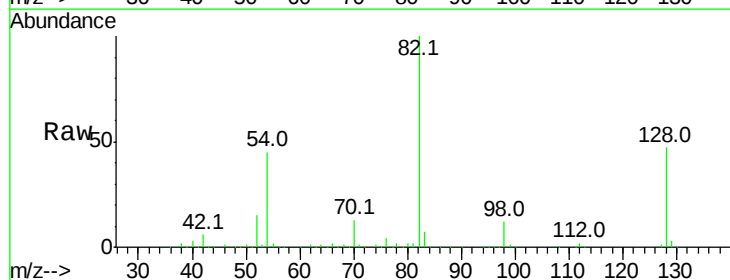
Tgt Ion: 82 Resp: 694898

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

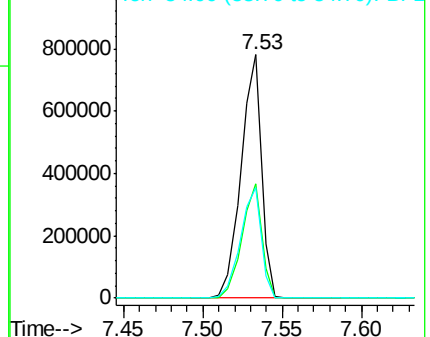
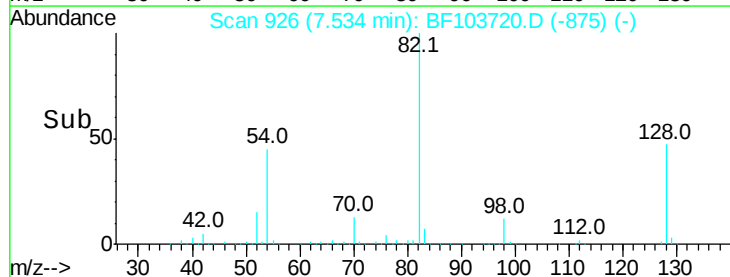
54 45.3 41.4 62.2

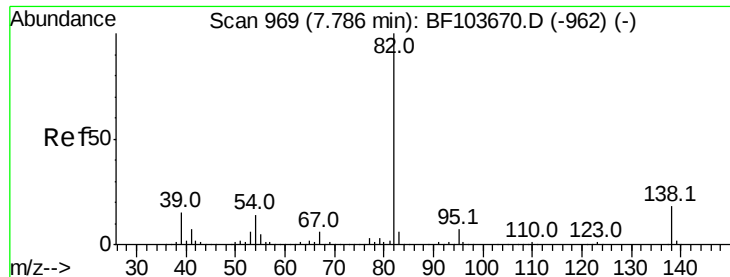


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.983 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Instrument :

BNA_F

ClientSampleId :

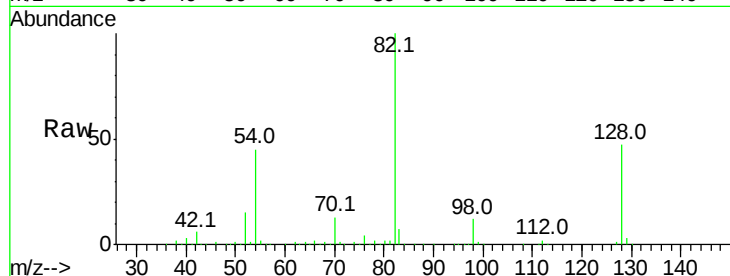
Tot Ion: 82 Resp: 694890

Ion Ratio Lower Upper

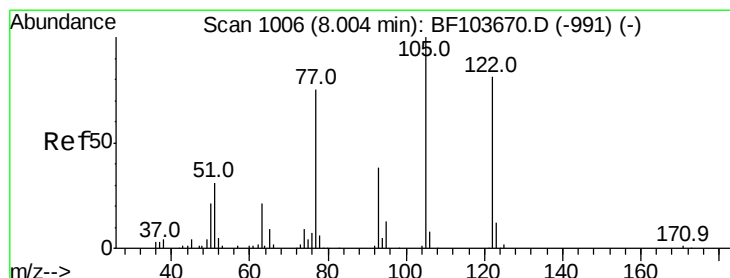
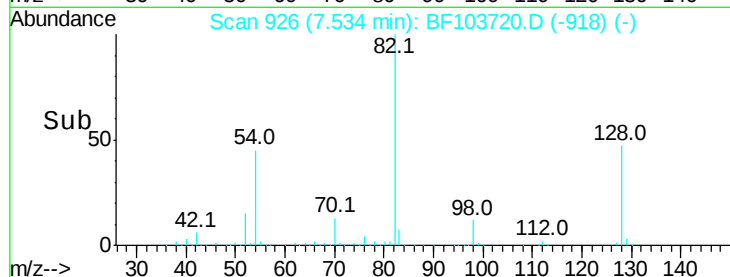
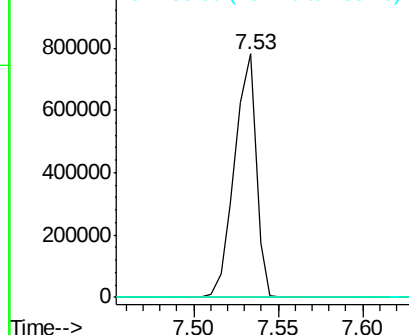
82 100

95 0.1 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



#32

Benzoic acid

Concen: 9.970 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.08 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

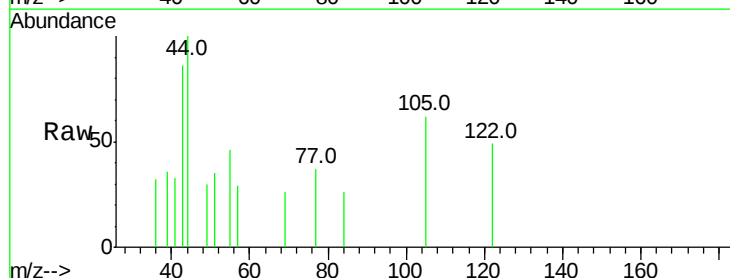
Tgt Ion:122 Resp: 557

Ion Ratio Lower Upper

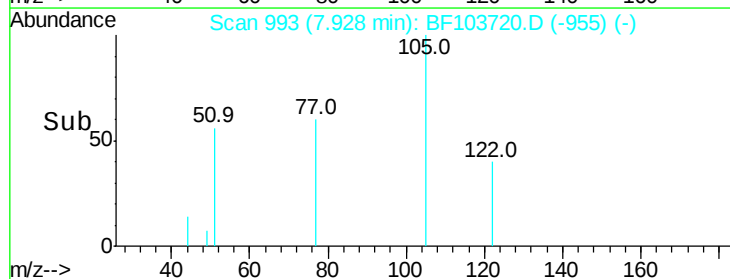
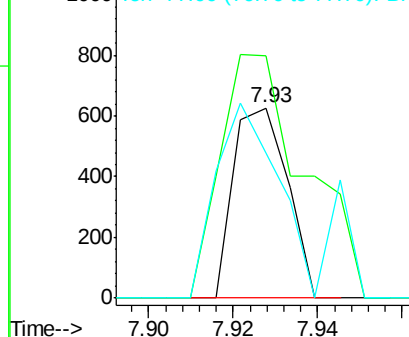
122 100

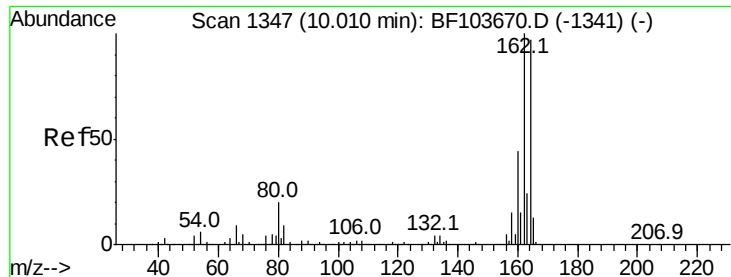
105 127.8 101.1 141.1

77 76.5 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

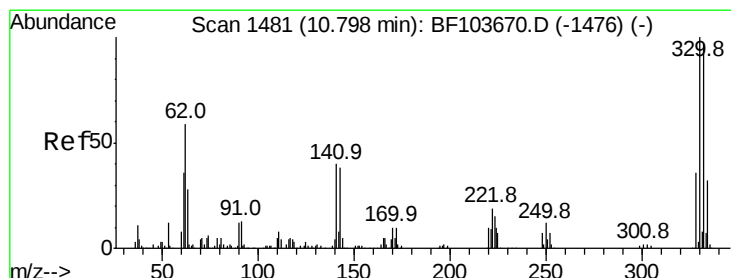
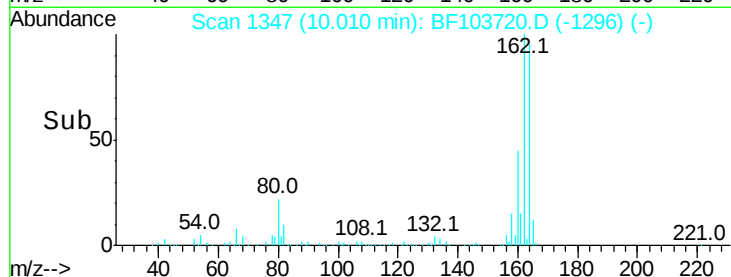
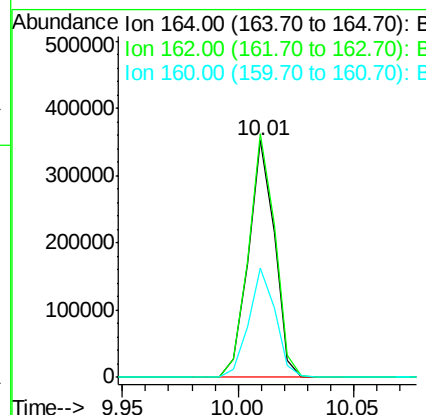
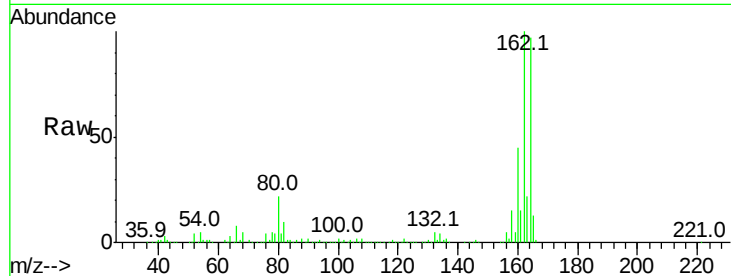




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

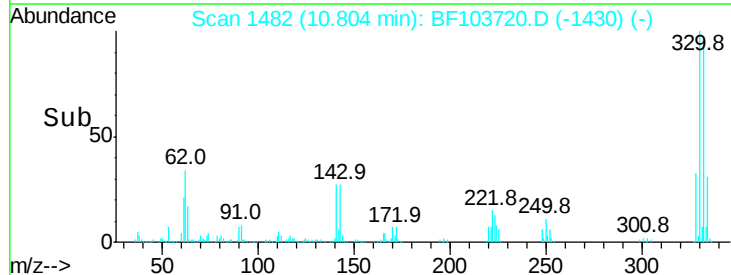
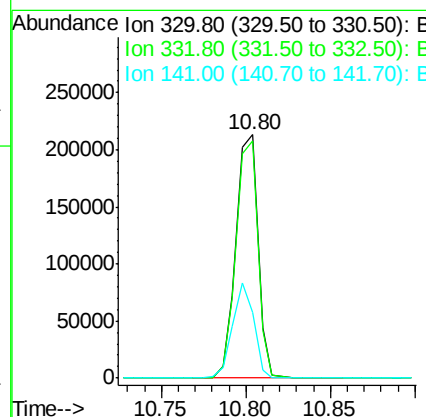
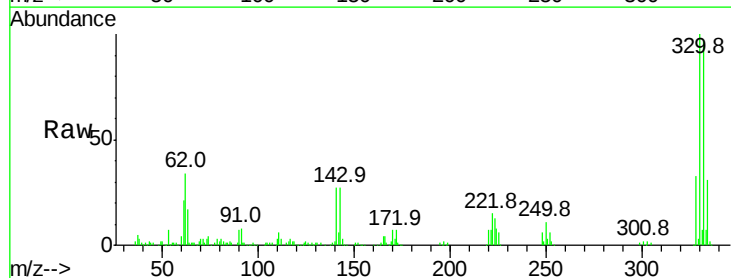
Instrument :
 BNA_F
 ClientSampleId :

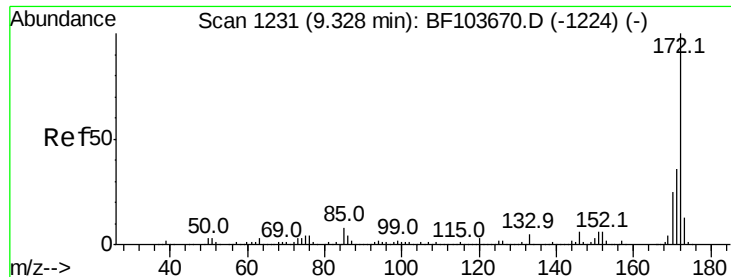
Tot Ion:164 Resp: 279605
 Ion Ratio Lower Upper
 164 100
 162 102.7 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 80.528 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Tgt Ion:330 Resp: 193594
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 37.4 29.9 44.9



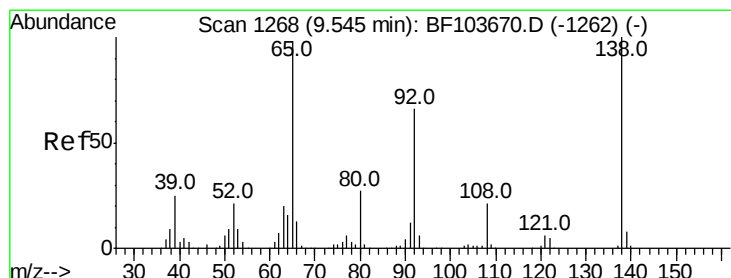
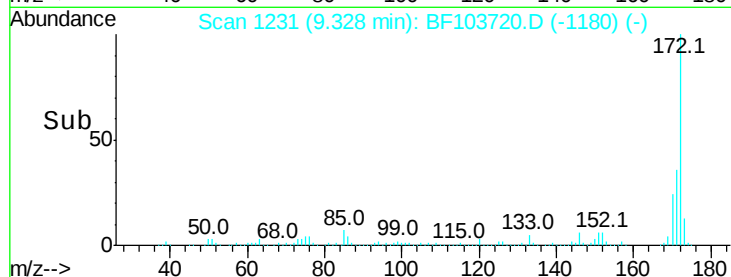
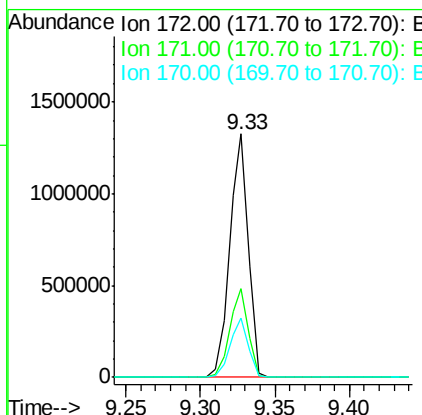
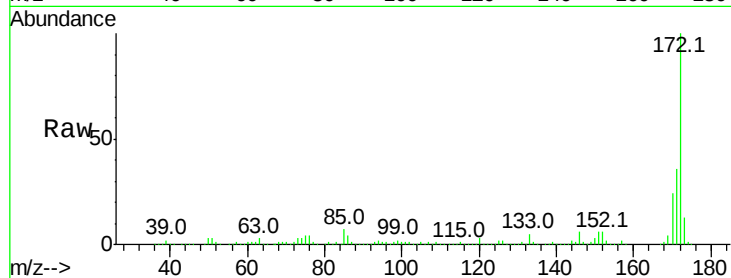


#44
 2-Fluorobiphenyl
 Concen: 66.545 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1166437

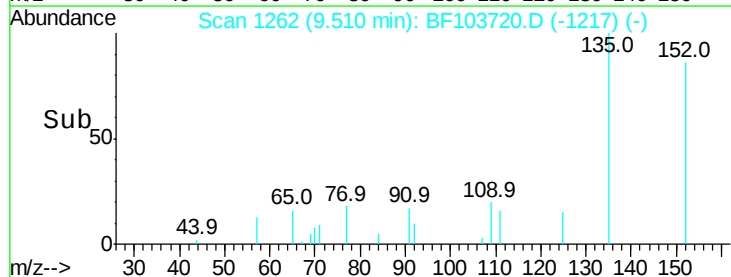
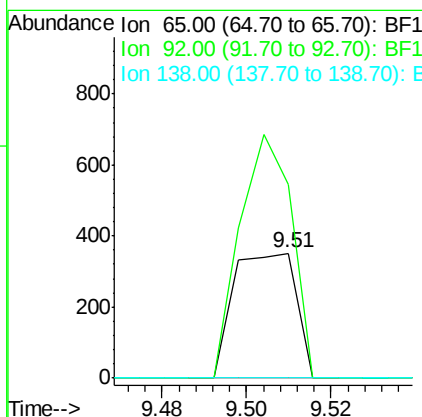
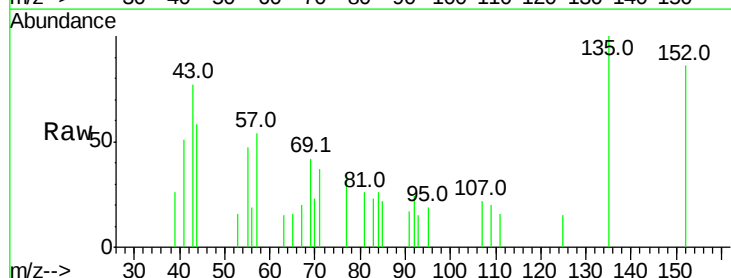
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4

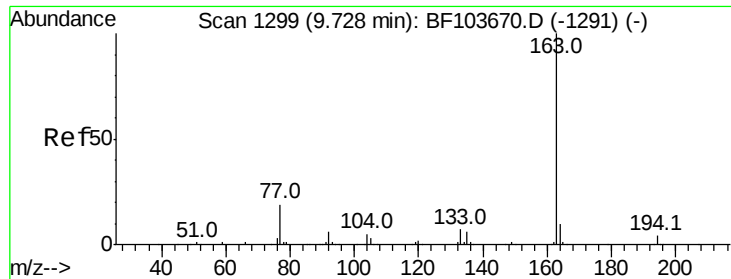


#47
 2-Nitroaniline
 Concen: 6.878 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.04 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Tgt Ion: 65 Resp: 361

Ion	Ratio	Lower	Upper
65	100		
92	155.4	55.8	83.6#
138	0.0	91.2	136.8#

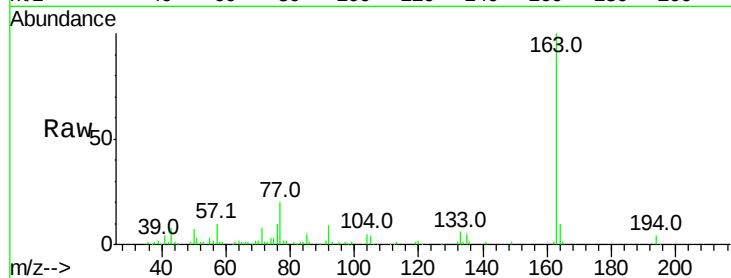




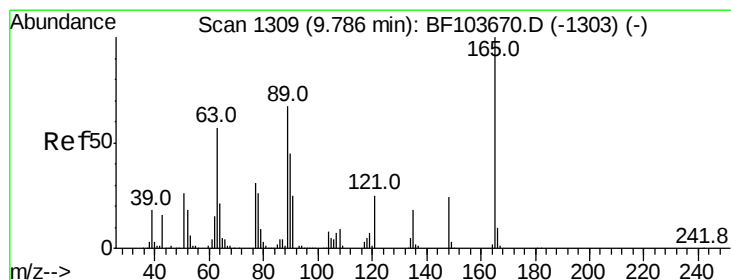
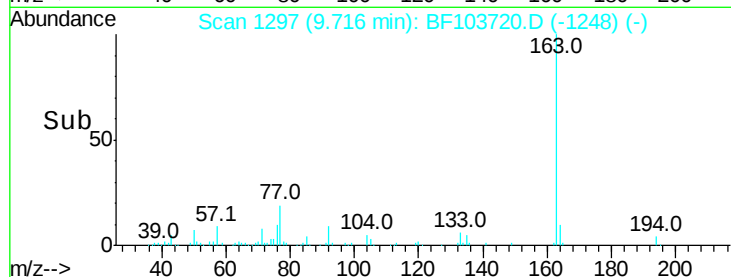
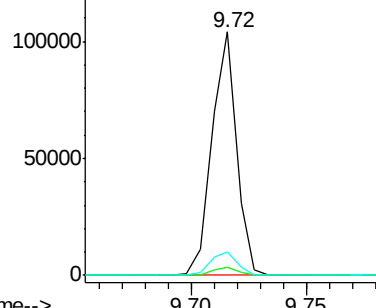
#49
 Dimethylphthalate
 Concen: 3.640 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:163 Resp: 77659
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 9.6 8.2 12.2

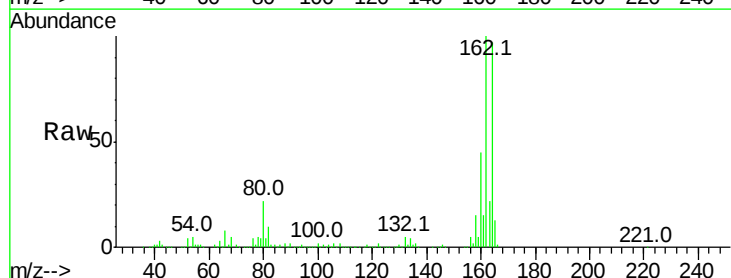


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

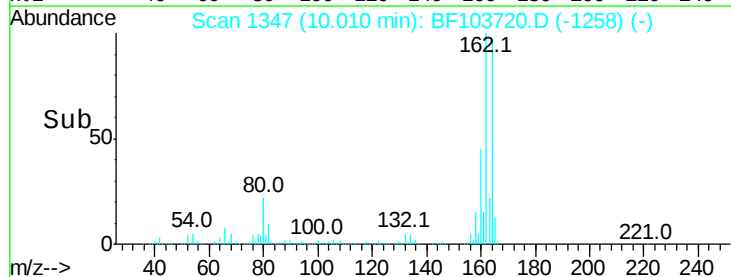
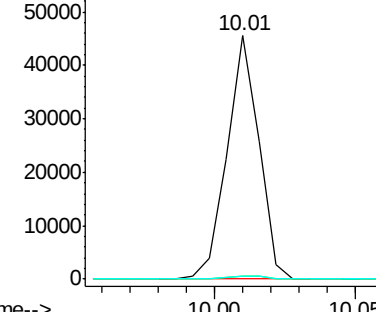


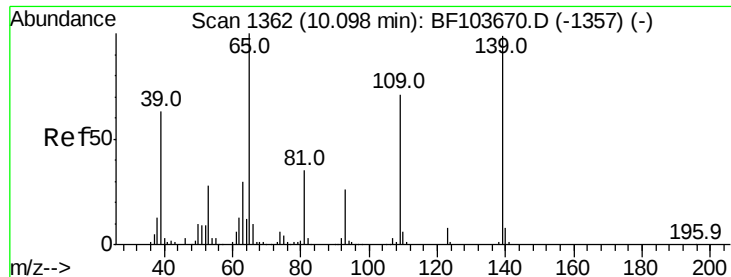
#50
 2,6-Dinitrotoluene
 Concen: 11.891 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.22 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Tgt Ion:165 Resp: 35582
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.3 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

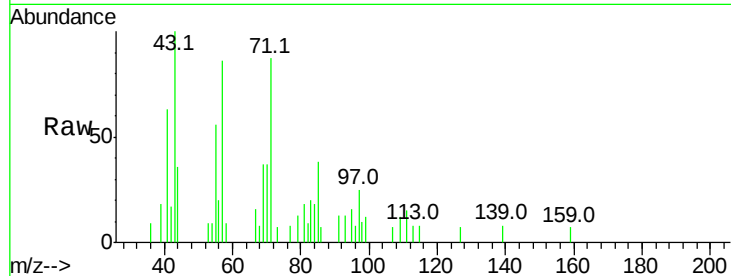




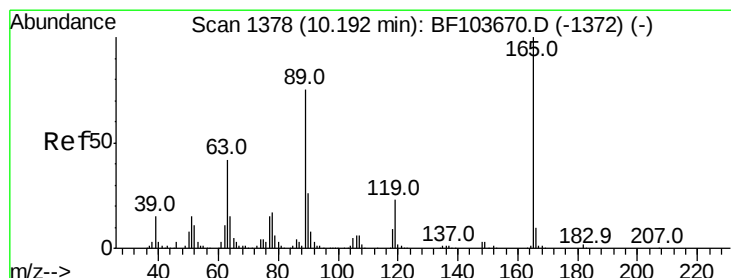
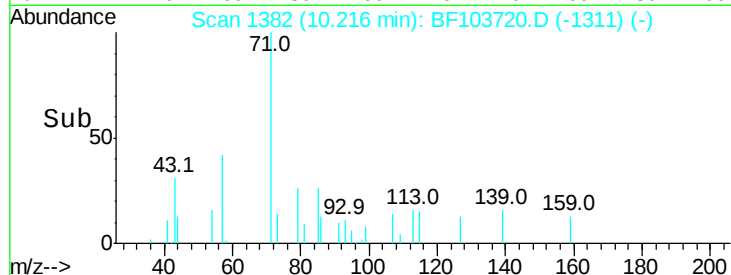
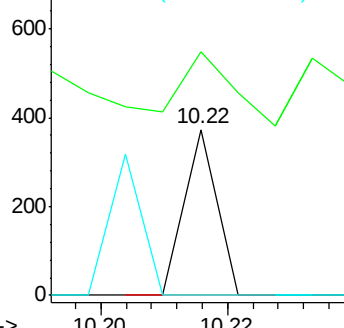
#55
4-Nitrophenol
Concen: 5.001 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103720.D
Acq: 17 Mar 2018 2:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 132
Ion Ratio Lower Upper
139 100
109 146.5 48.4 88.4#
65 0.0 72.6 112.6#

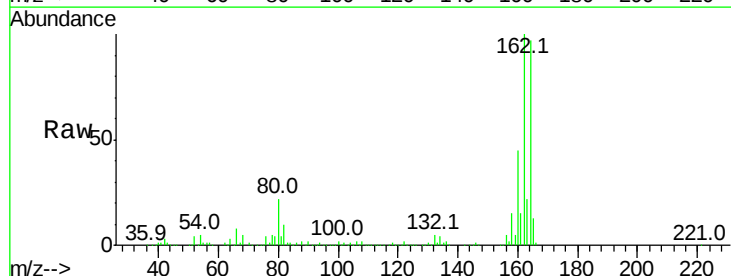


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

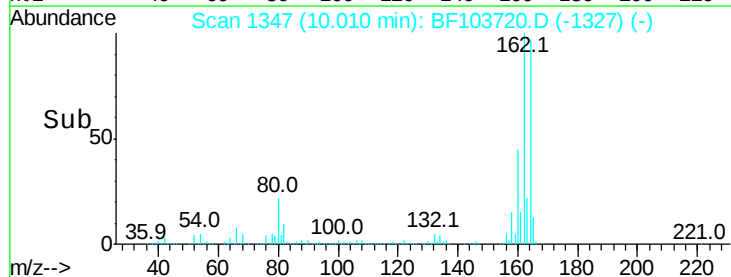
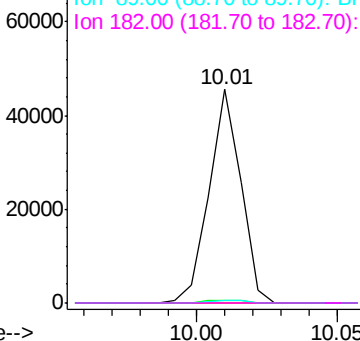


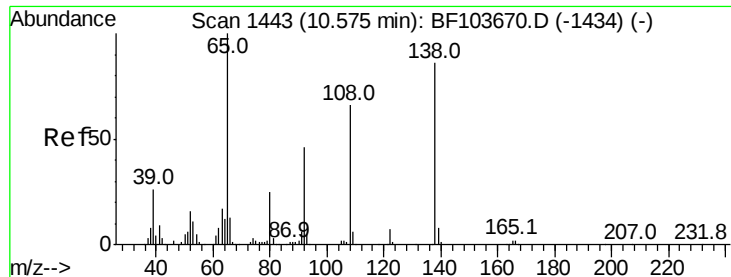
#56
2,4-Dinitrotoluene
Concen: 12.139 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103720.D
Acq: 17 Mar 2018 2:00

Tgt Ion:165 Resp: 35582
Ion Ratio Lower Upper
165 100
63 1.4 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

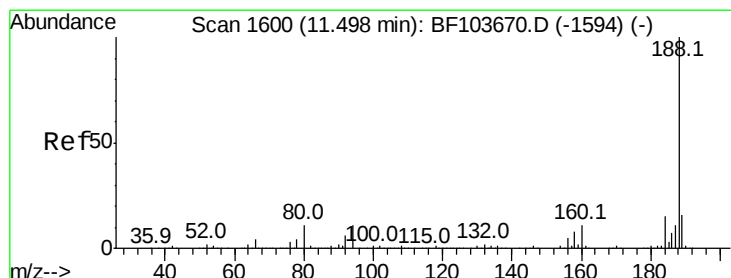
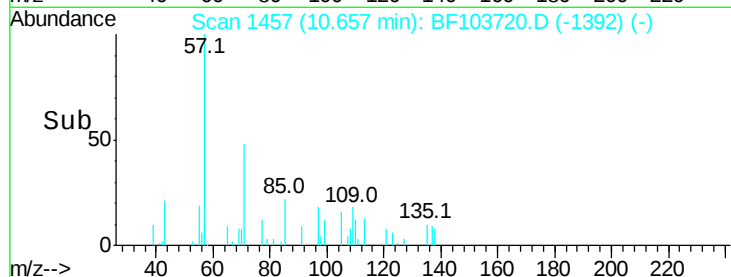
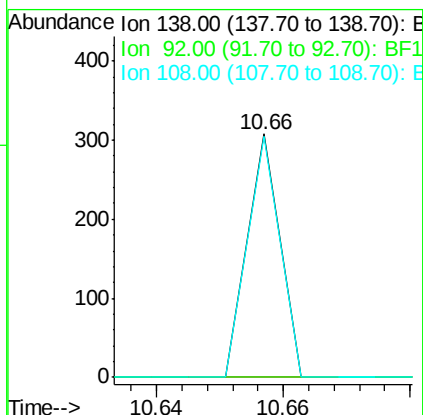
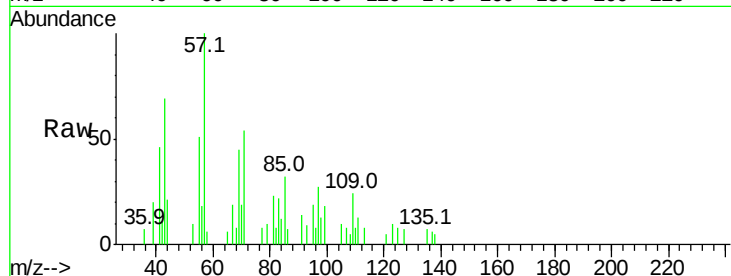




#61
4-Nitroaniline
Concen: 3.770 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.08 min
Lab File: BF103720.D
Acq: 17 Mar 2018 2:00

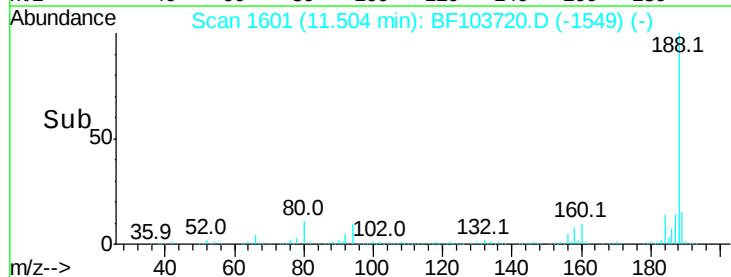
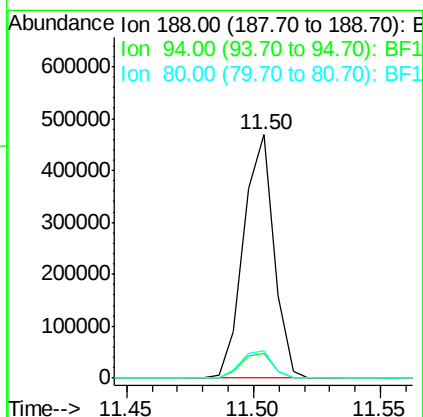
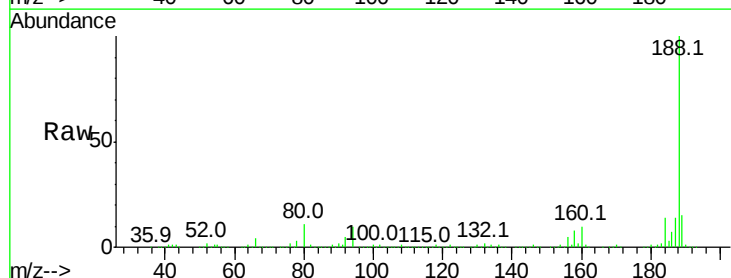
Instrument :
BNA_F
ClientSampleId :

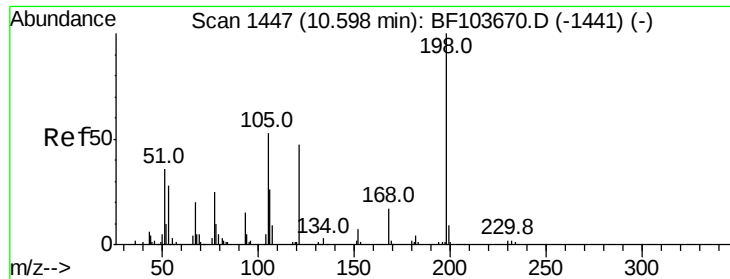
Tot Ion:138 Resp: 109
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 99.0 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103720.D
Acq: 17 Mar 2018 2:00

Tgt Ion:188 Resp: 389705
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.3 9.2 13.8

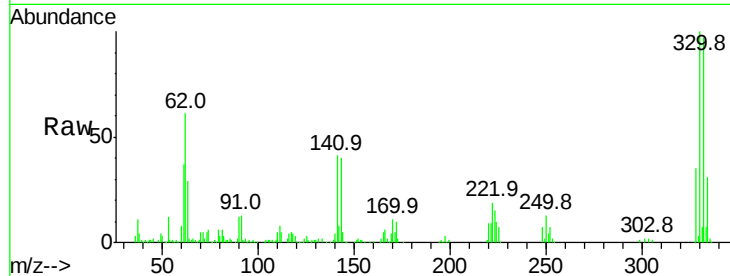




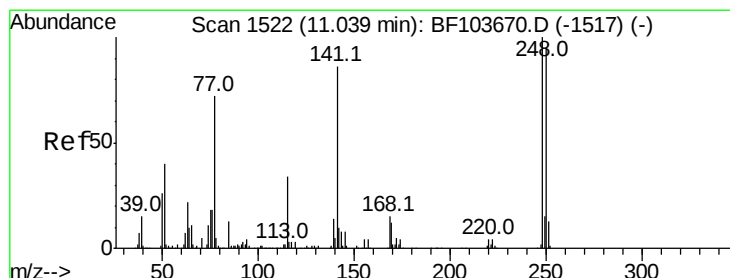
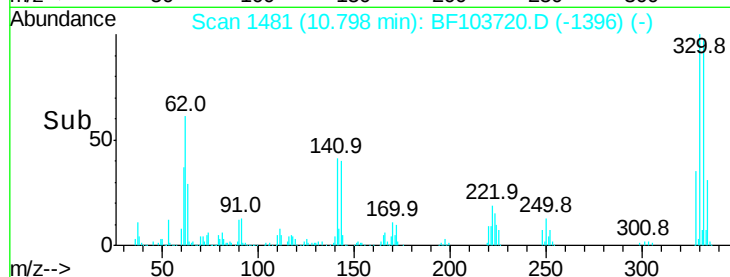
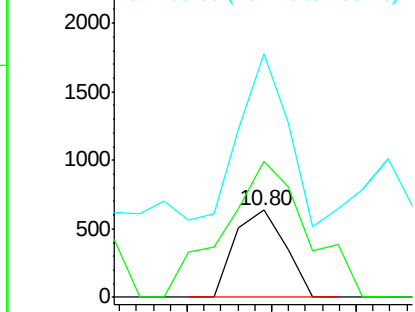
#64
4,6-Dinitro-2-methylphenol
Concen: 8.519 ng
RT: 10.80 min Scan# 1481
Delta R.T. 0.20 min
Lab File: BF103720.D
Acq: 17 Mar 2018 2:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 524
Ion Ratio Lower Upper
198 100
51 156.2 37.7 77.7#
105 278.8 36.3 76.3#

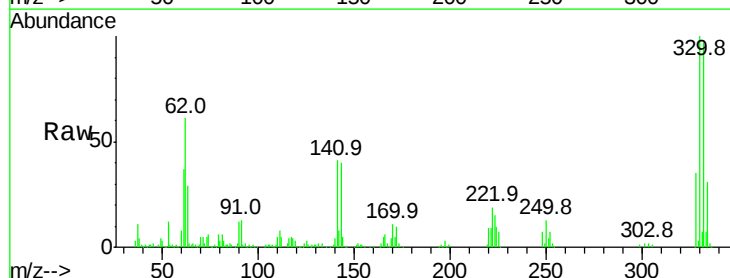


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

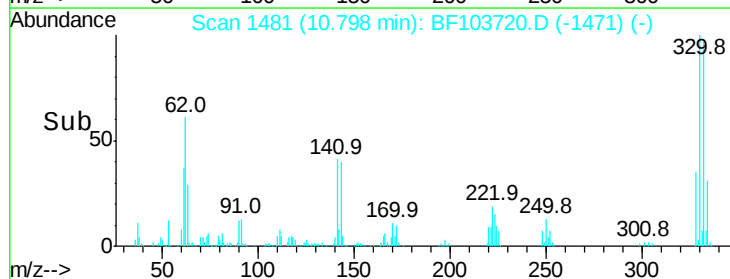
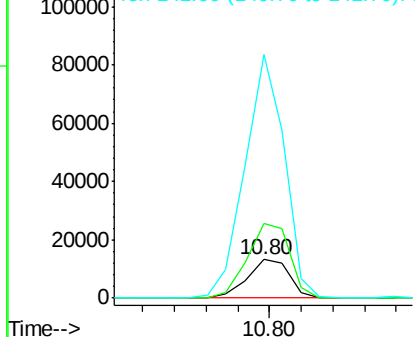


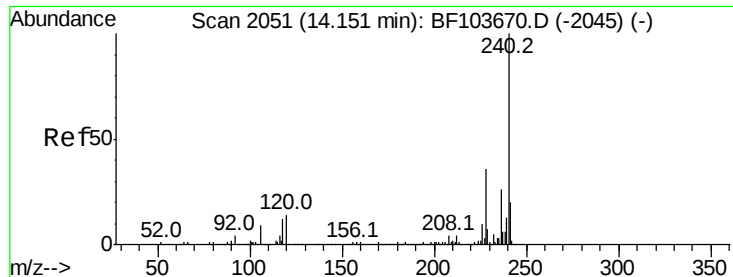
#66
4-Bromophenyl-phenylether
Concen: 3.003 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF103720.D
Acq: 17 Mar 2018 2:00

Tgt Ion:248 Resp: 12015
Ion Ratio Lower Upper
248 100
250 195.6 76.9 115.3#
141 633.1 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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Instrument :

BNA_F

ClientSampleId :

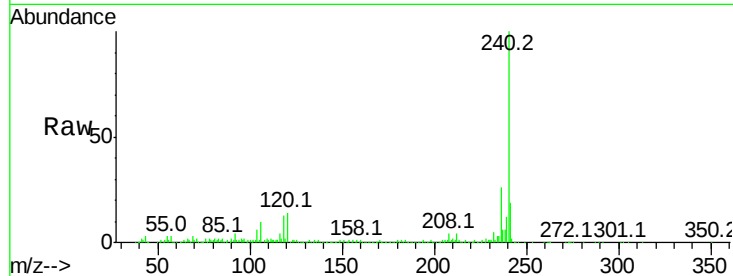
Tot Ion:240 Resp: 335044

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

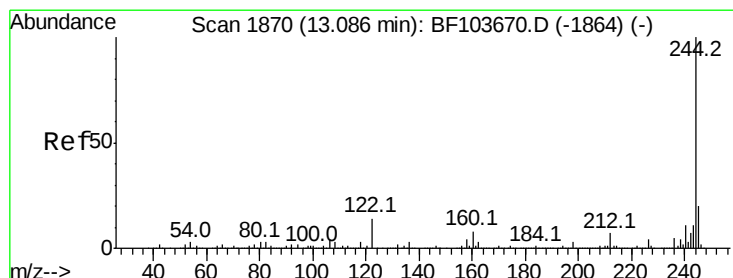
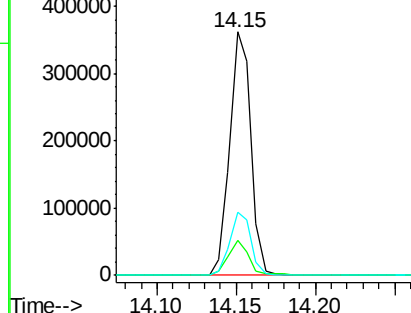
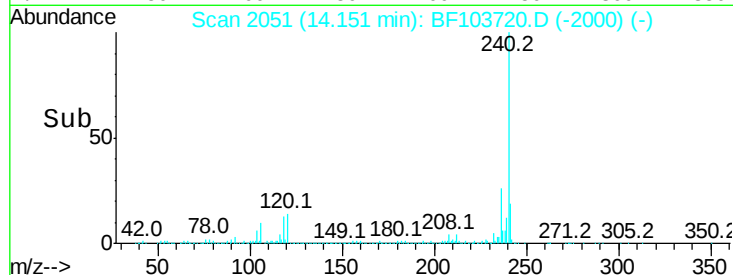
236 25.8 20.7 31.1



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: 56.266 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

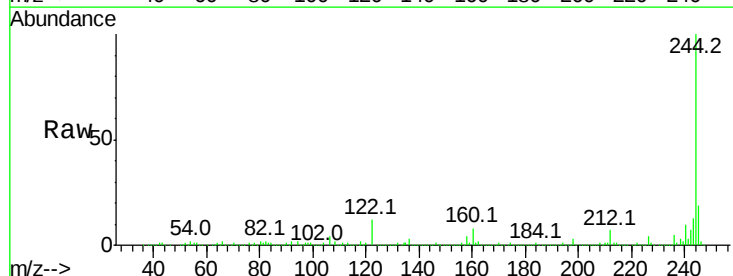
Tgt Ion:244 Resp: 812163

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

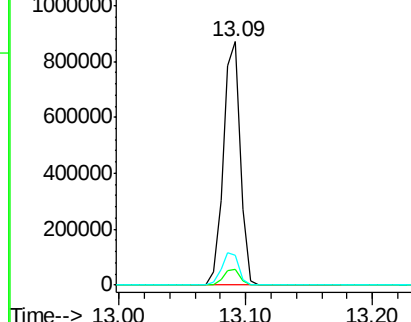
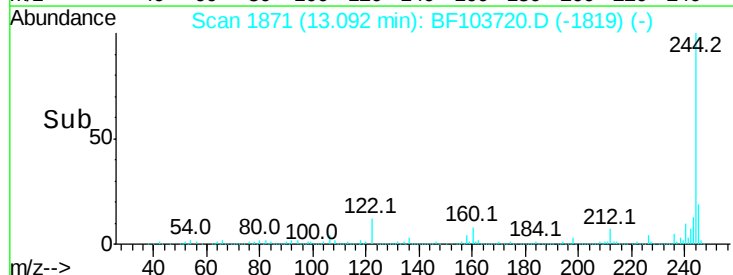
122 12.5 11.0 16.4

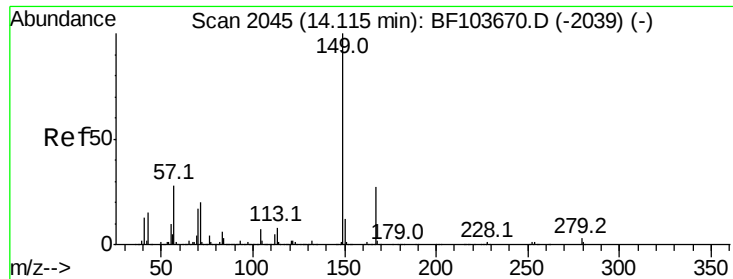


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

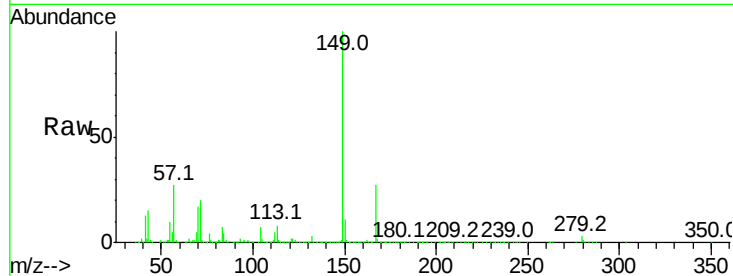




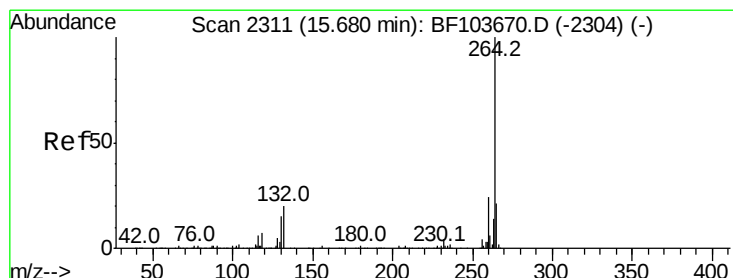
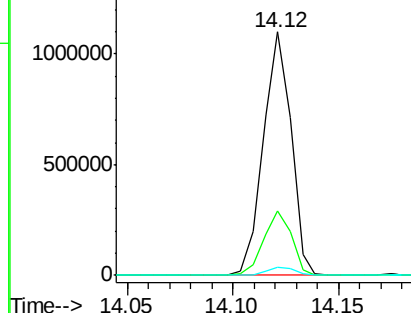
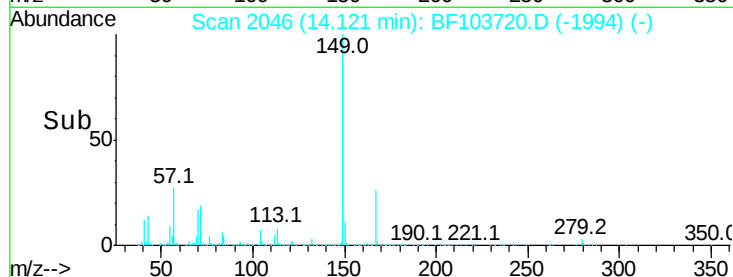
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 64.475 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.01 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:149 Resp: 1004110
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.3 31.9
 279 3.5 3.0 4.4

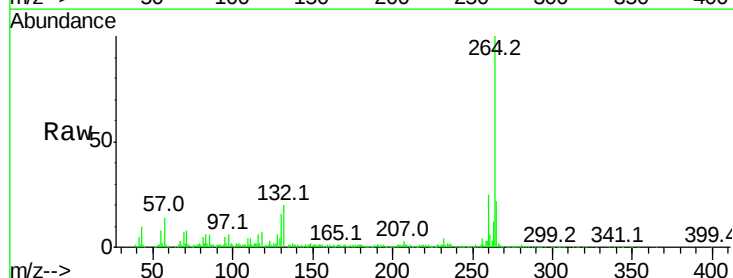


Abundance Ion 149.00 (148.70 to 149.70): E
 1500000
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

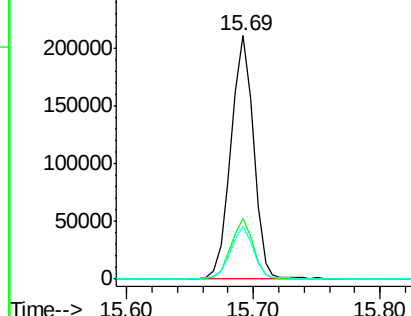
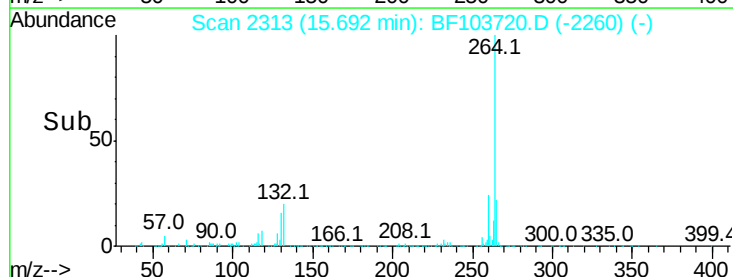


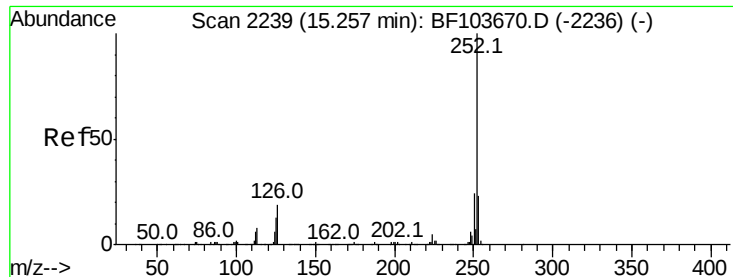
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. 0.01 min
 Lab File: BF103720.D
 Acq: 17 Mar 2018 2:00

Tgt Ion:264 Resp: 258255
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 21.9 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 250000
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.013 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF103720.D

Acq: 17 Mar 2018 2:00

Instrument :

BNA_F

ClientSampleId :

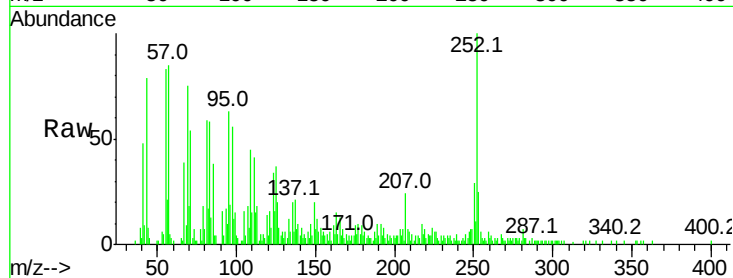
Tot Ion:252 Resp: 31567

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 37.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

