

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103796.D
 Acq On : 20 Mar 2018 10:21
 Operator : JU/SJ
 Sample : J1954-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 20 10:51:36 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	137816	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	555698	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	246888	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	405508	20.00	ng	0.00
75) Chrysene-d12	14.16	240	293587	20.00	ng	0.00
86) Perylene-d12	15.69	264	263654	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	271735	29.99	ng	0.00
7) Phenol-d6	6.58	99	242467	21.87	ng	0.00
23) Nitrobenzene-d5	7.53	82	831097	104.30	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	119930	56.50	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1367668	88.37	ng	0.00
78) Terphenyl-d14	13.09	244	1186746	93.83	ng	0.00

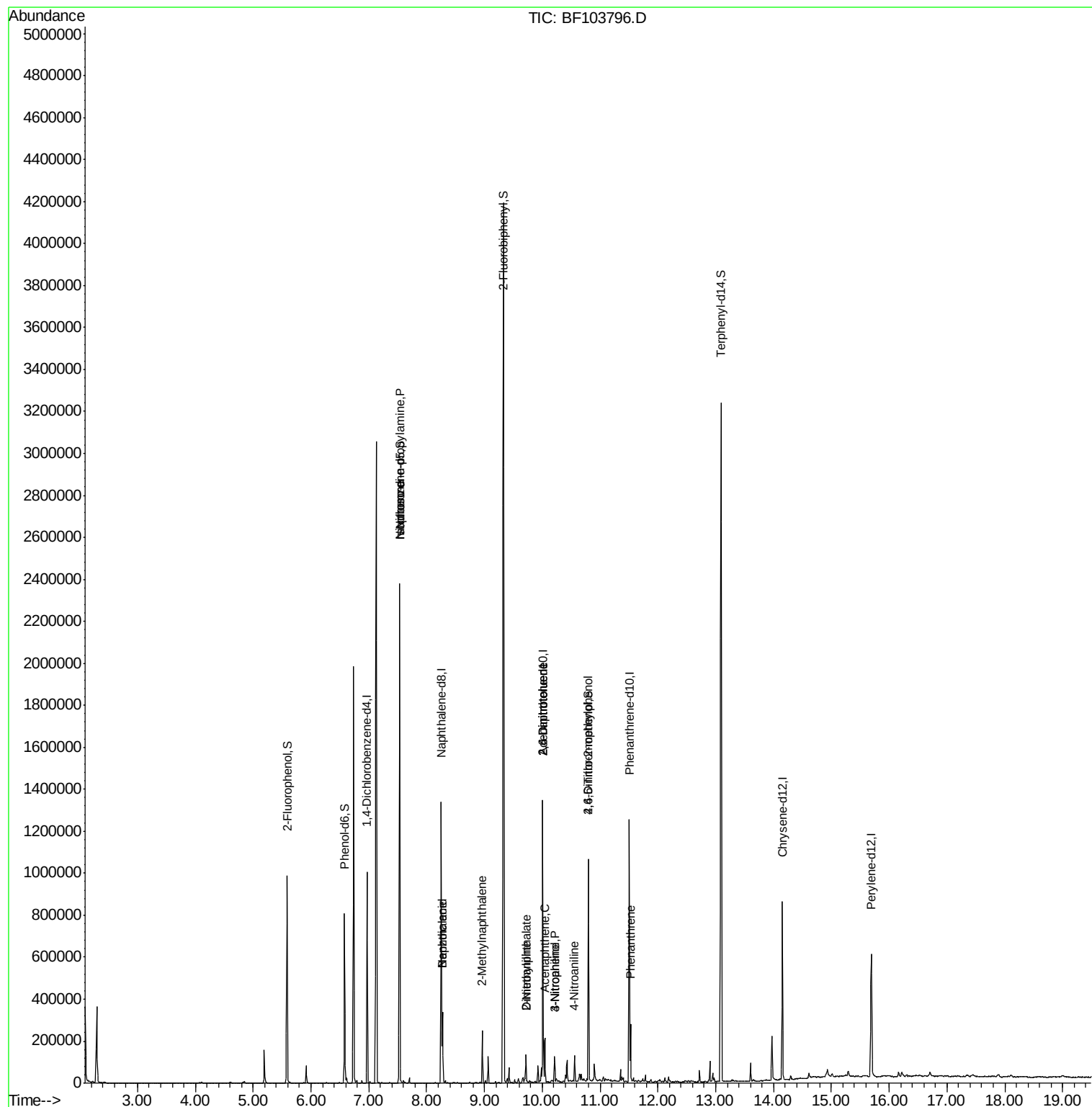
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	107483	15.129	ng	# 74
25) Isophorone	7.53	82	831091	45.053	ng	# 64
31) Naphthalene	8.27	128	133802	4.767	ng	99
32) Benzoic acid	8.27	122	126	9.923	ng	# 1
37) 2-Methylnaphthalene	8.96	142	58622	3.293	ng	98
47) 2-Nitroaniline	9.72	65	345	6.883	ng	# 1
49) Dimethylphthalate	9.72	163	44547	2.365	ng	98
50) 2,6-Dinitrotoluene	10.01	165	32440	12.148	ng	# 25
51) Acenaphthene	10.05	154	45002	2.989	ng	98
52) 3-Nitroaniline	10.22	138	683	3.958	ng	# 2
55) 4-Nitrophenol	10.22	139	15517	9.190	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	32440	12.331	ng	# 23
61) 4-Nitroaniline	10.56	138	269	3.808	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.80	198	159	8.233	ng	# 1
70) Phenanthrene	11.53	178	89645	4.041	ng	97

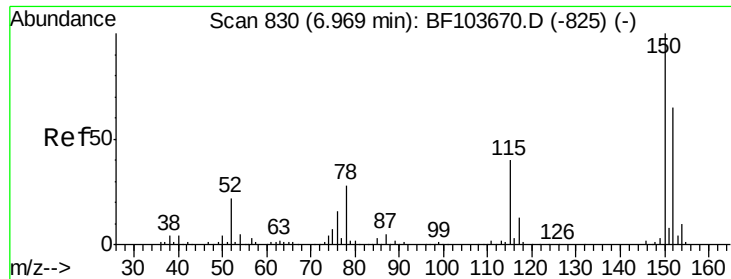
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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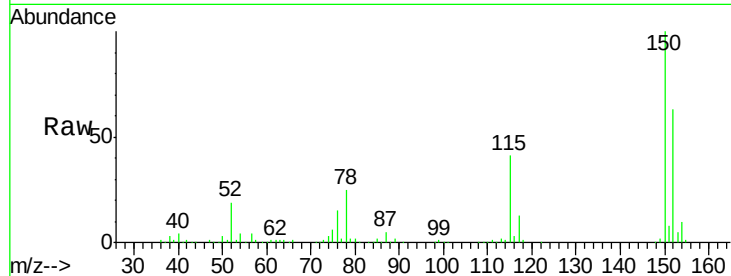


#1

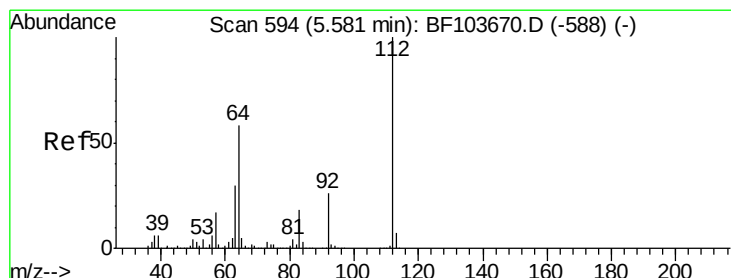
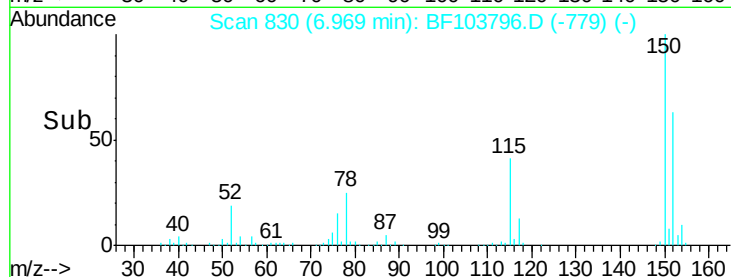
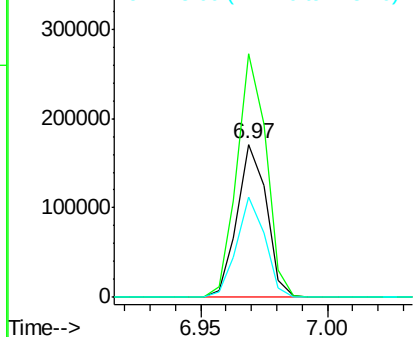
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137816
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 65.4 50.1 75.1



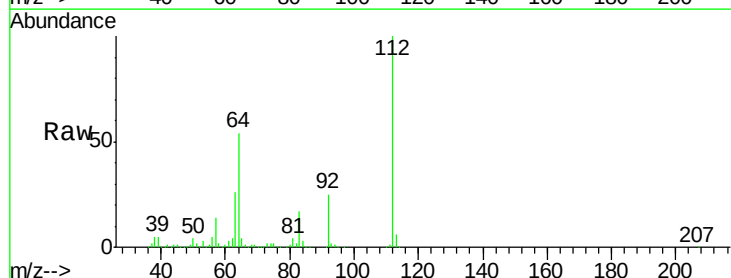
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



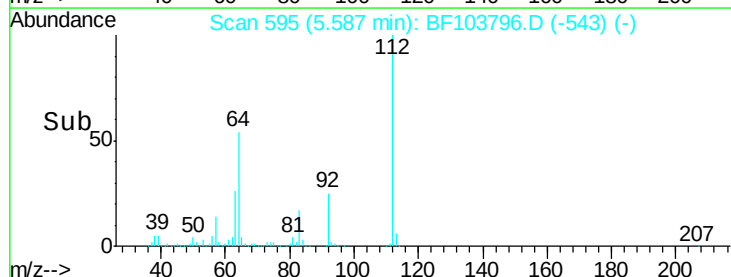
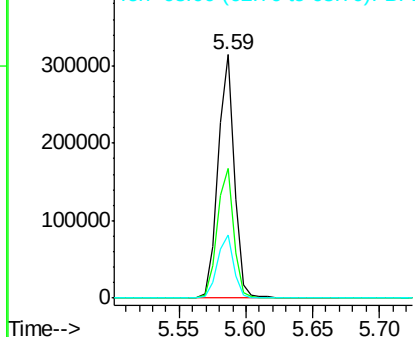
#5

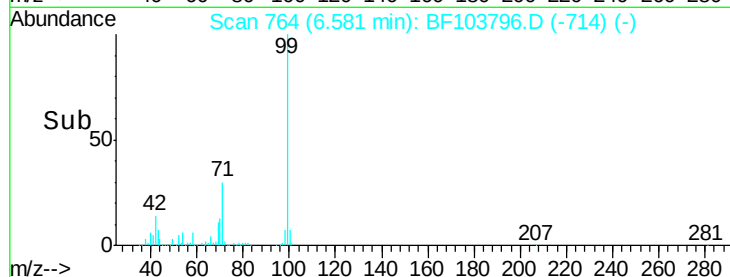
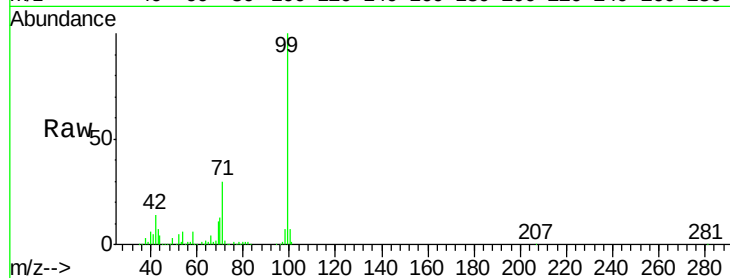
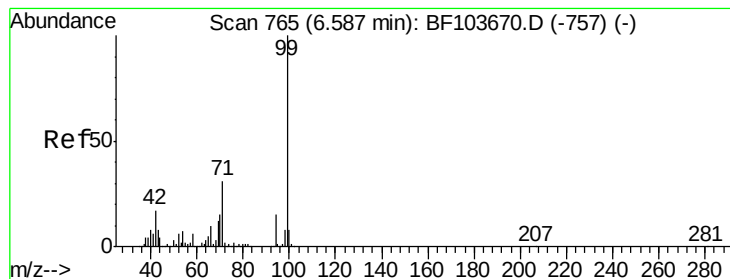
2-Fluorophenol
Concen: 29.990 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Tgt Ion:112 Resp: 271735
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 25.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.873 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

Instrument :

BNA_F

ClientSampleId :

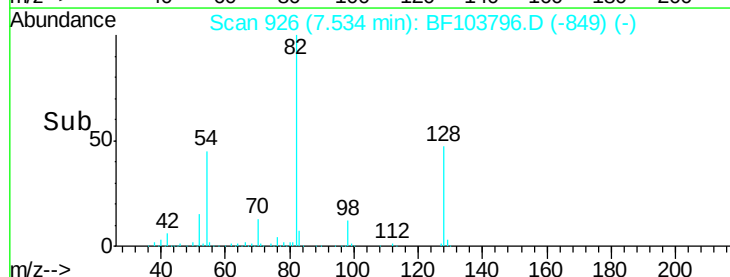
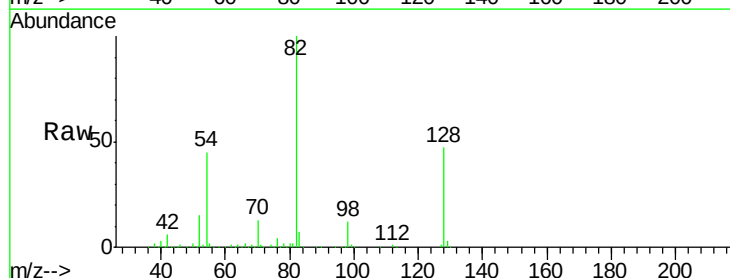
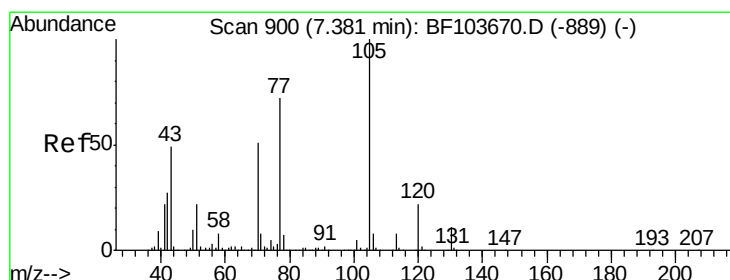
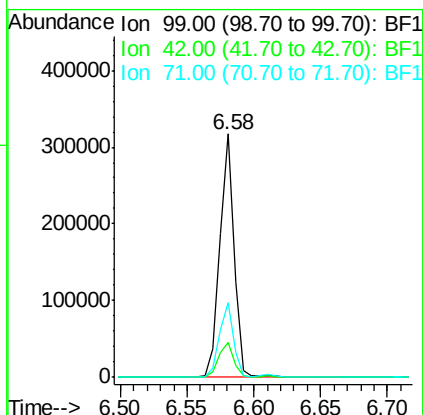
Tot Ion: 99 Resp: 242467

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

71 30.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.129 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

Tgt Ion: 70 Resp: 107483

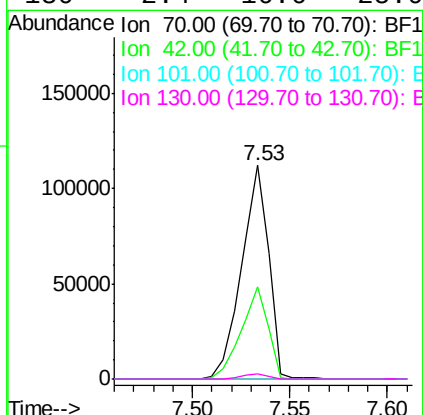
Ion Ratio Lower Upper

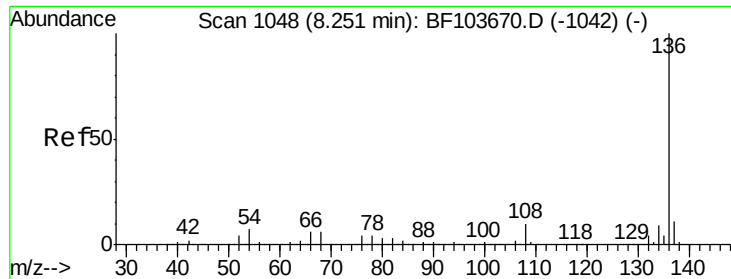
70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

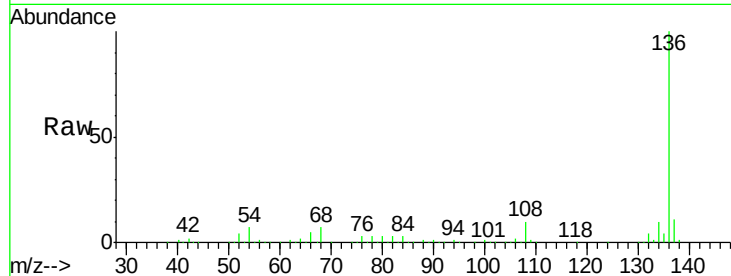




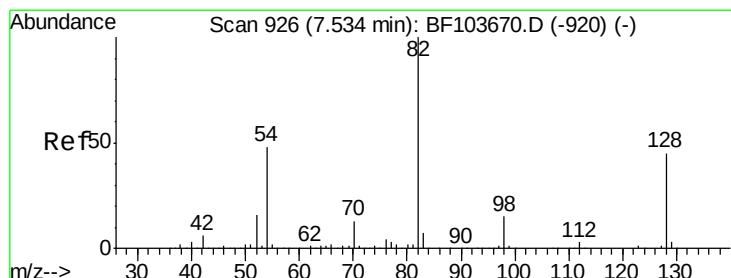
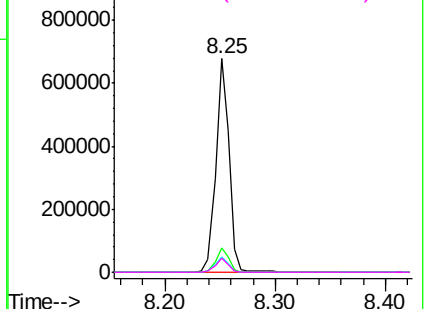
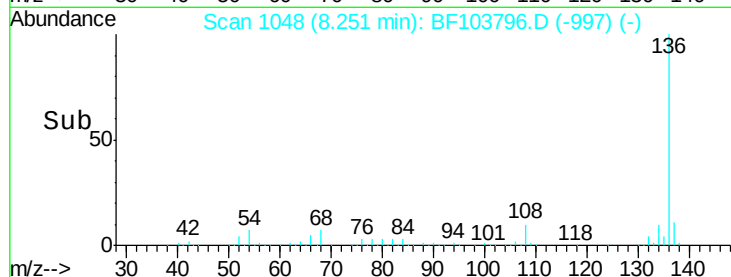
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	555698
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	7.3	6.6 9.8
68	6.6	5.0 7.4

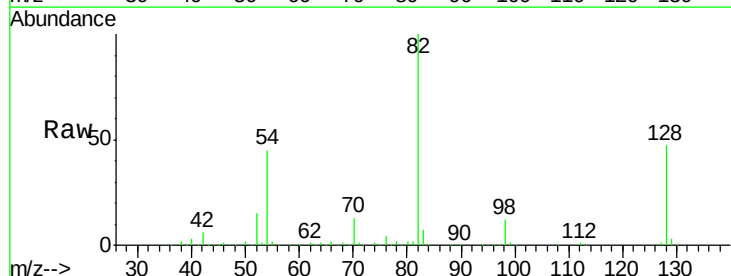


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

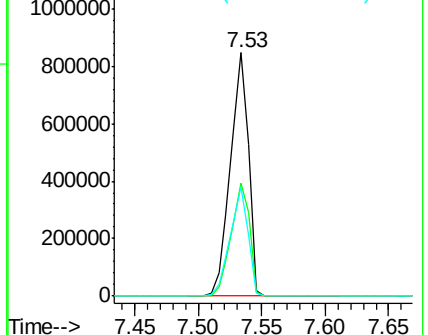
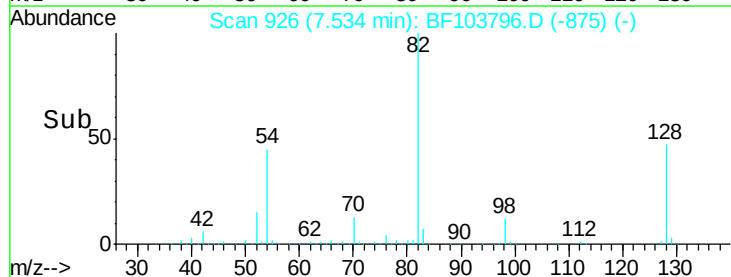


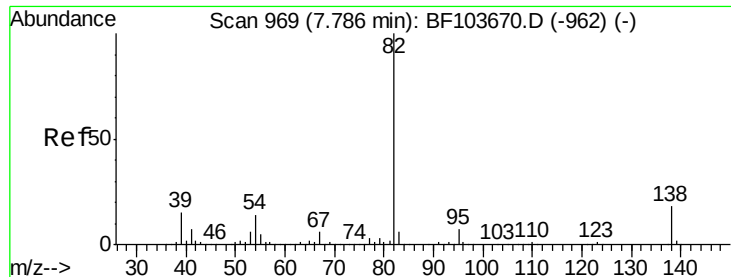
#23
Nitrobenzene-d5
Concen: 104.296 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Tgt Ion: 82	Resp:	831097
Ion	Ratio	Lower Upper
82	100	
128	46.6	36.1 54.1
54	44.9	41.4 62.2



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





#25

Isophorone

Concen: 45.053 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.25 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

Instrument :

BNA_F

ClientSampleId :

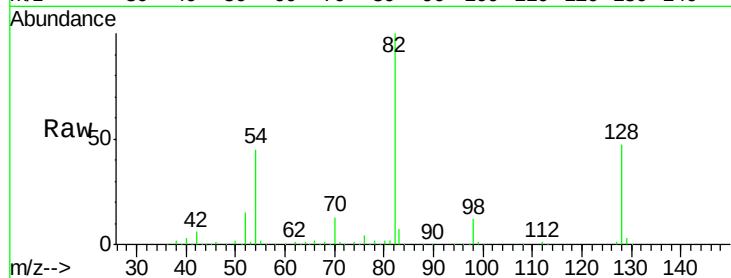
Tot Ion: 82 Resp: 831091

Ion Ratio Lower Upper

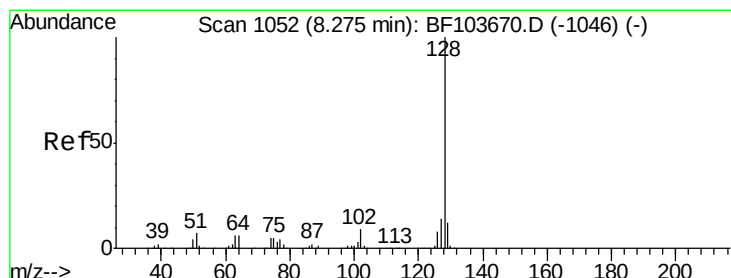
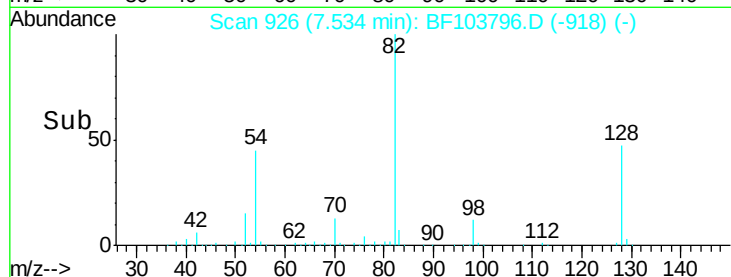
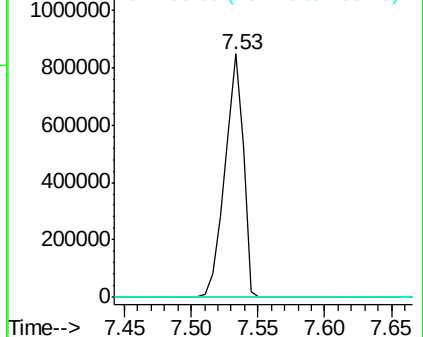
82 100

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



#31

Naphthalene

Concen: 4.767 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

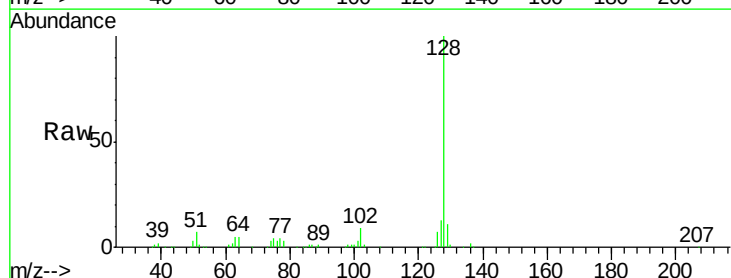
Tgt Ion: 128 Resp: 133802

Ion Ratio Lower Upper

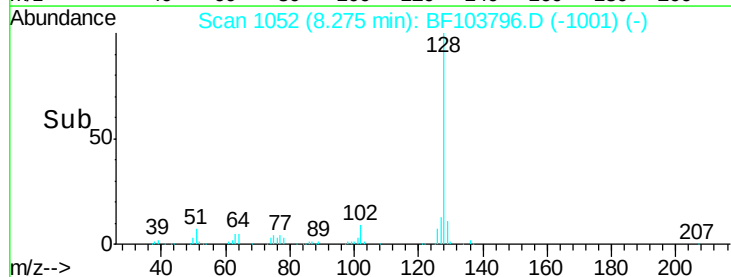
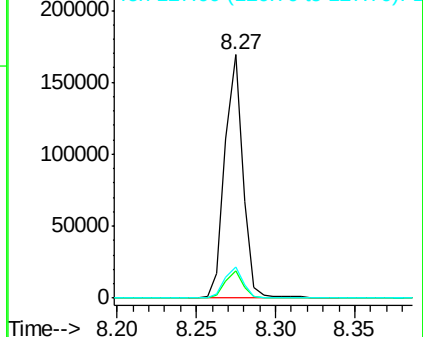
128 100

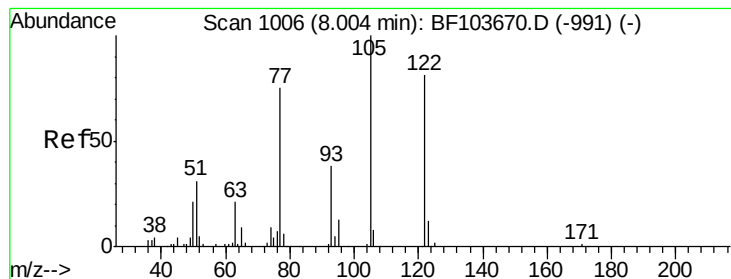
129 11.2 8.8 13.2

127 12.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





#32

Benzoic acid

Concen: 9.923 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.27 min

Lab File: BF103796.D

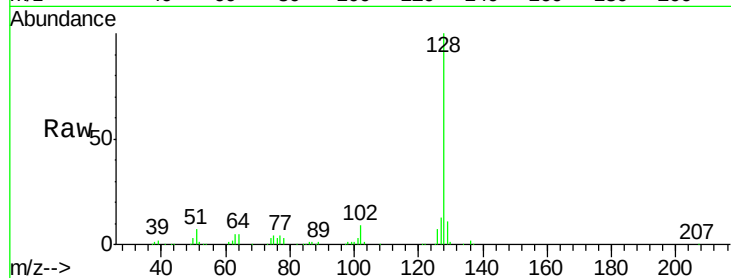
Acq: 20 Mar 2018 10:21

Instrument :

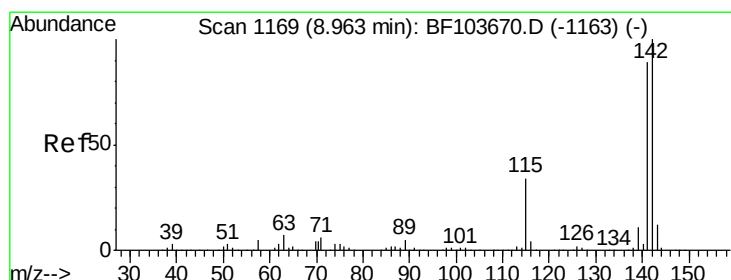
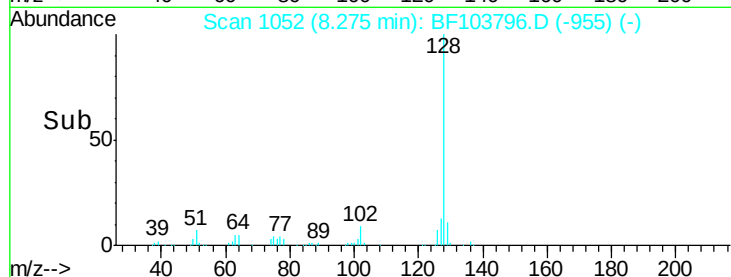
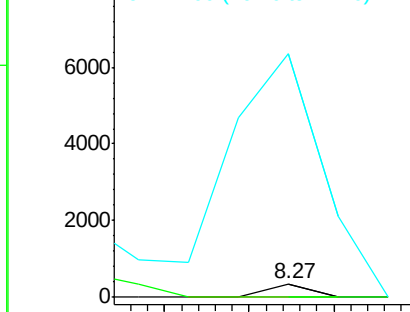
BNA_F

ClientSampleId :

Tot Ion:122 Resp: 126
 Ion Ratio Lower Upper
 122 100
 105 0.0 101.1 141.1#
 77 1778.7 70.7 110.7#



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



#37

2-Methylnaphthalene

Concen: 3.293 ng

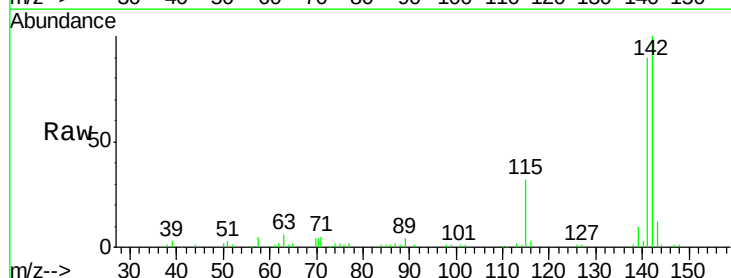
RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

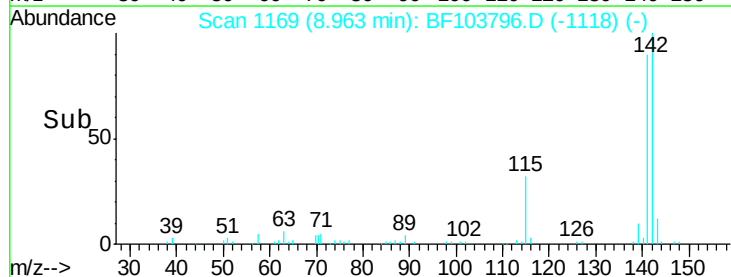
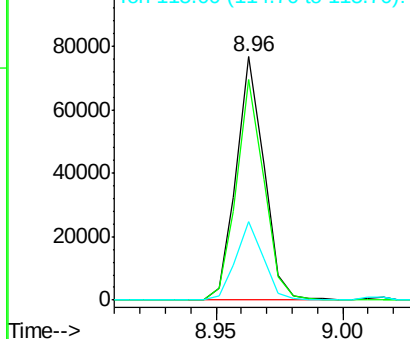
Lab File: BF103796.D

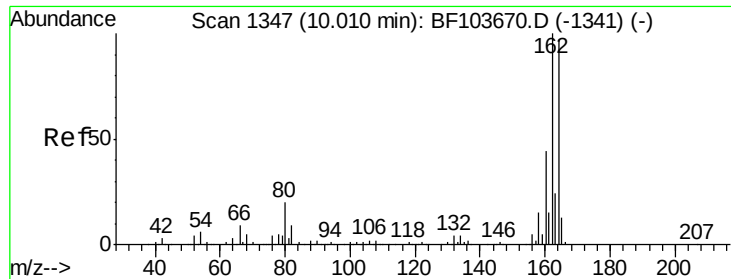
Acq: 20 Mar 2018 10:21

Tgt Ion:142 Resp: 58622
 Ion Ratio Lower Upper
 142 100
 141 90.4 70.8 106.2
 115 32.0 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

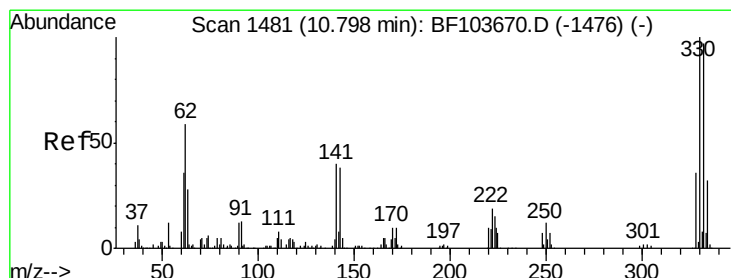
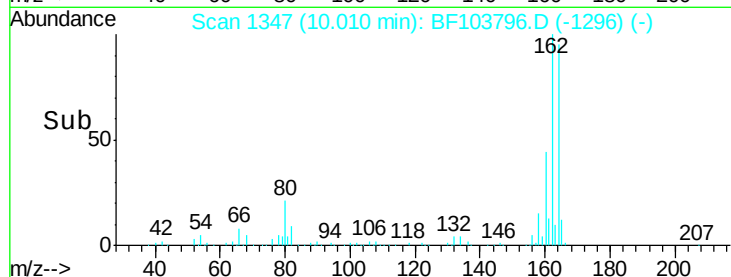
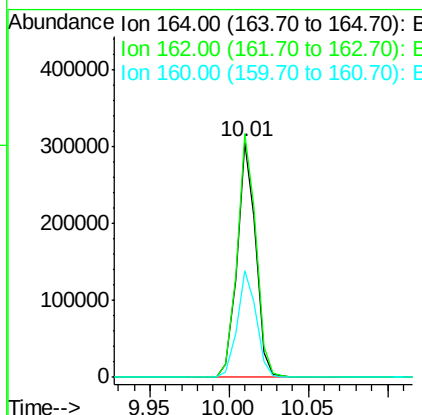
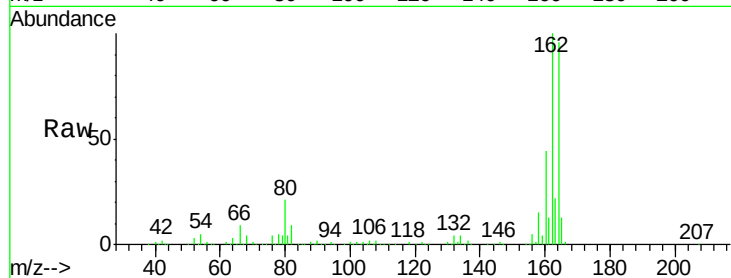




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103796.D
 Acq: 20 Mar 2018 10:21

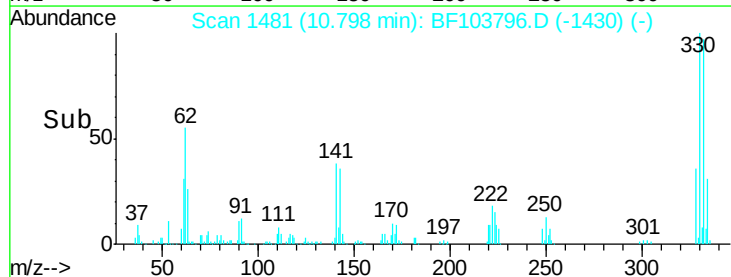
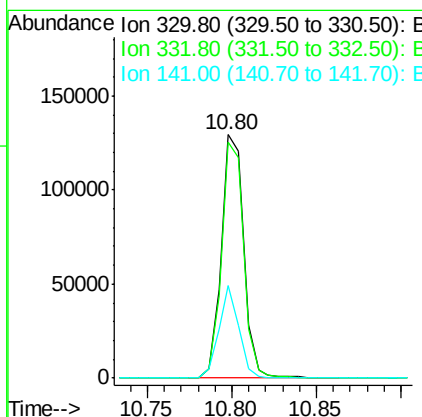
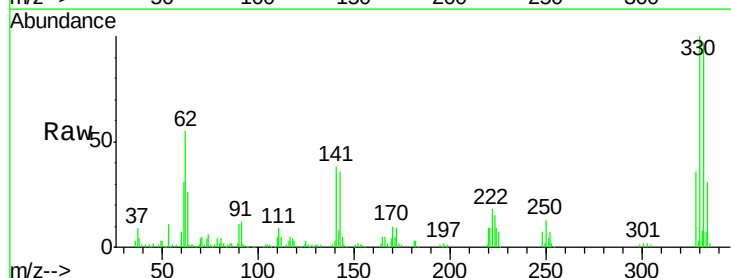
Instrument :
 BNA_F
 ClientSampleId :

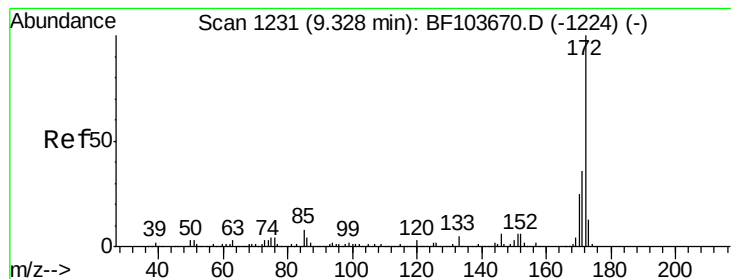
Tot Ion:164 Resp: 246888
 Ion Ratio Lower Upper
 164 100
 162 103.6 86.1 129.1
 160 45.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 56.497 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103796.D
 Acq: 20 Mar 2018 10:21

Tgt Ion:330 Resp: 119930
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 33.6 29.9 44.9

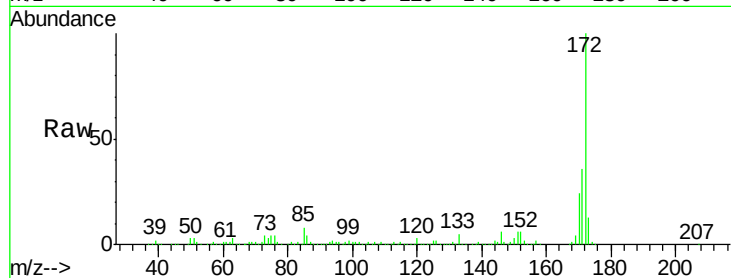




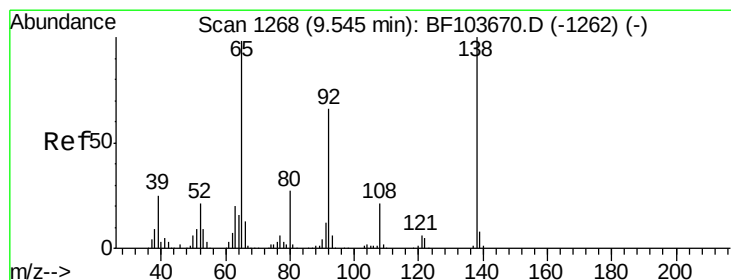
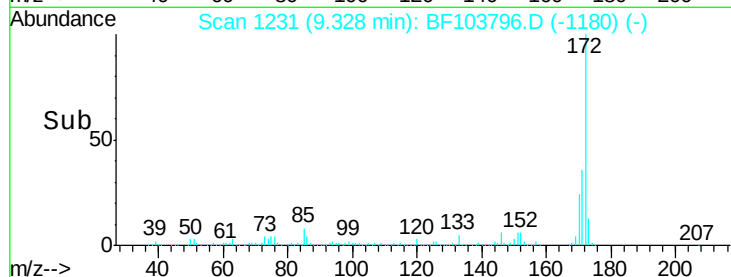
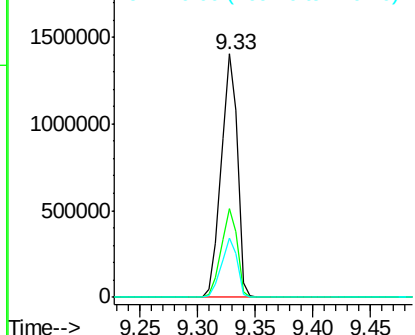
#44
 2-Fluorobiphenyl
 Concen: 88.365 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103796.D
 Acq: 20 Mar 2018 10:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1367668
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.4 19.6 29.4

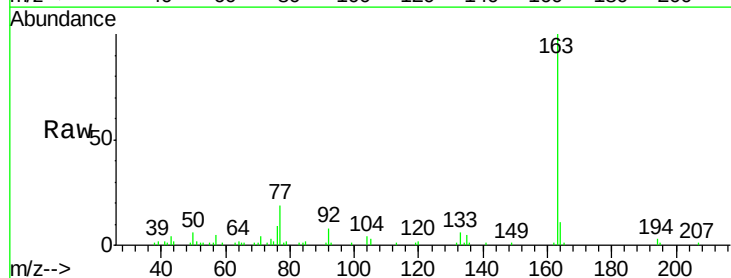


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

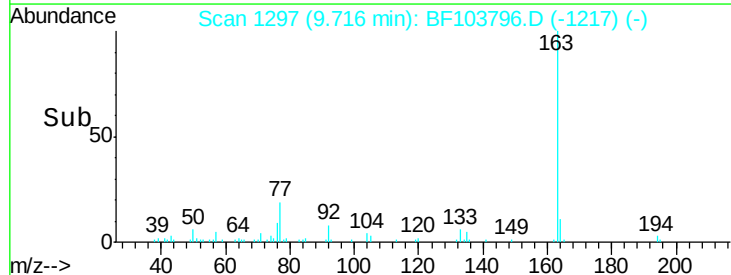
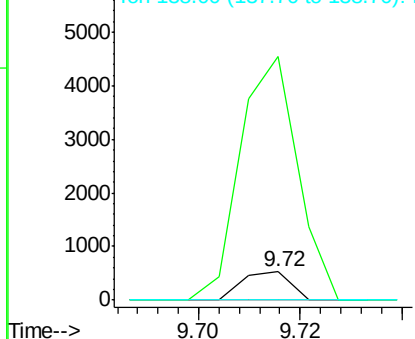


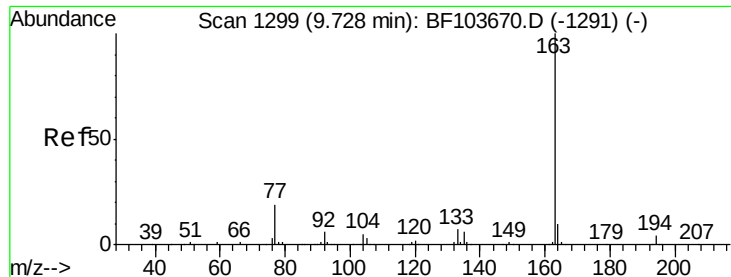
#47
 2-Nitroaniline
 Concen: 6.883 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.17 min
 Lab File: BF103796.D
 Acq: 20 Mar 2018 10:21

Tgt Ion: 65 Resp: 345
 Ion Ratio Lower Upper
 65 100
 92 860.6 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): E





#49

Dimethylphthalate

Concen: 2.365 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103796.D

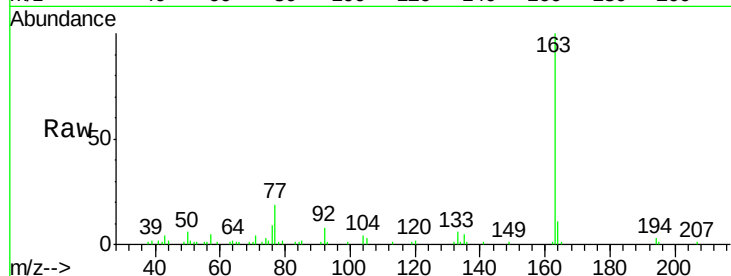
Acq: 20 Mar 2018 10:21

Instrument :

BNA_F

ClientSampleId :

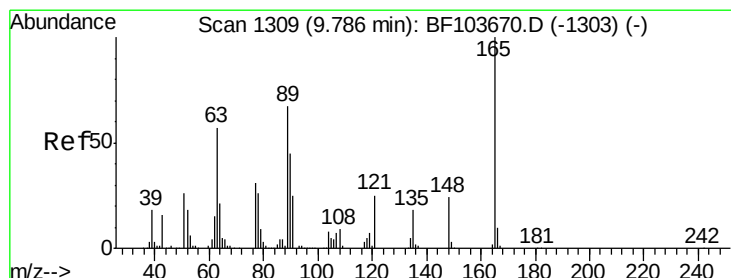
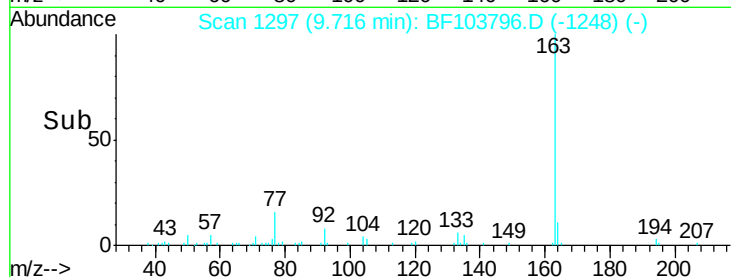
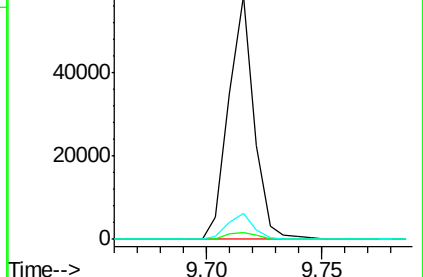
Tot Ion:163	Resp:	44547
Ion Ratio	Lower	Upper
163	100	
194	3.0	2.7 4.1
164	10.8	8.2 12.2



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: 12.148 ng

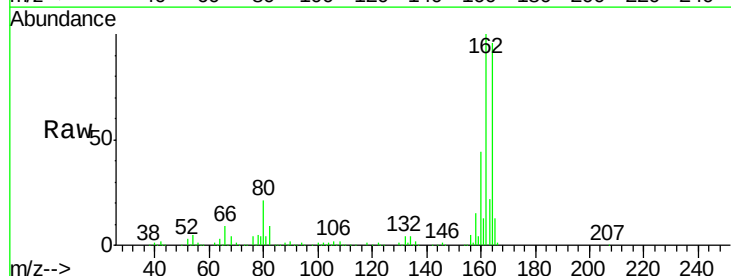
RT: 10.01 min Scan# 1347

Delta R.T. 0.22 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

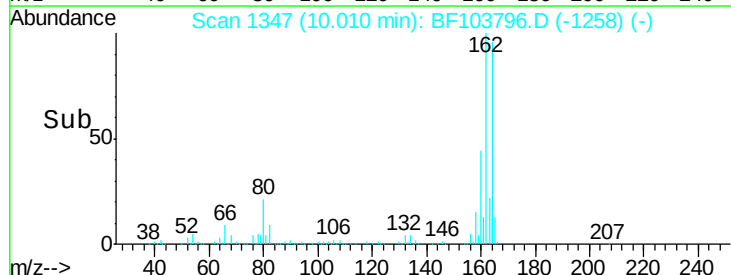
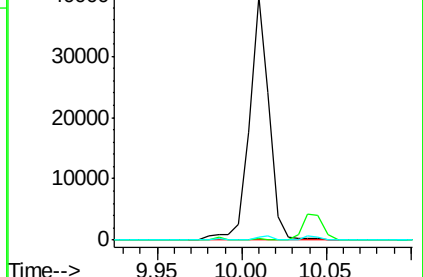
Tgt Ion:165	Resp:	32440
Ion Ratio	Lower	Upper
165	100	
63	0.8	44.7 67.1#
89	1.3	44.0 66.0#

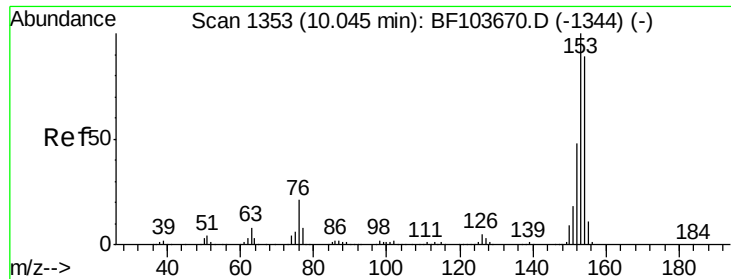


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 2.989 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

Instrument :

BNA_F

ClientSampleId :

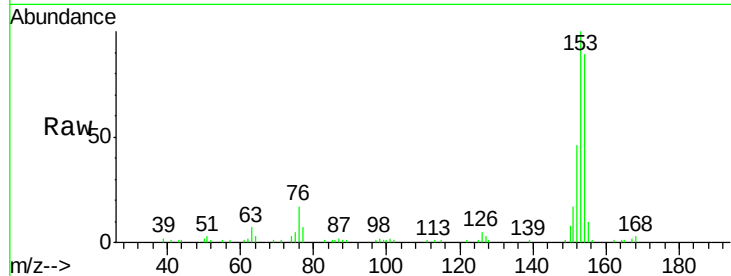
Tot Ion:154 Resp: 45002

Ion Ratio Lower Upper

154 100

153 112.7 91.2 136.8

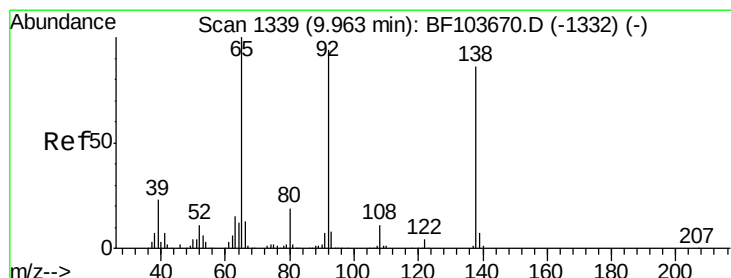
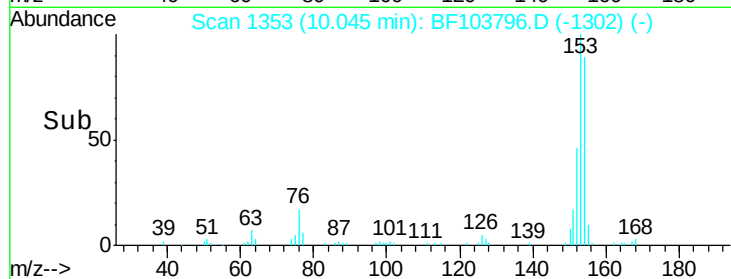
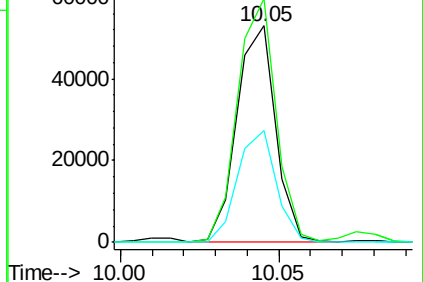
152 51.6 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.958 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.25 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

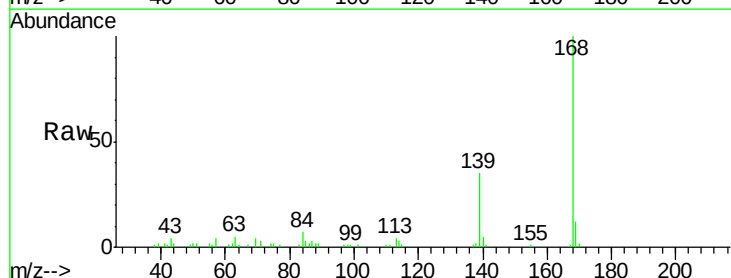
Tgt Ion:138 Resp: 683

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

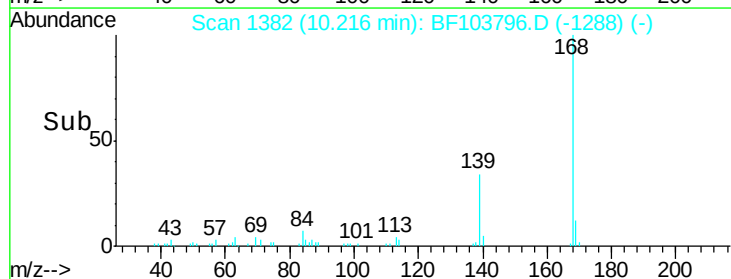
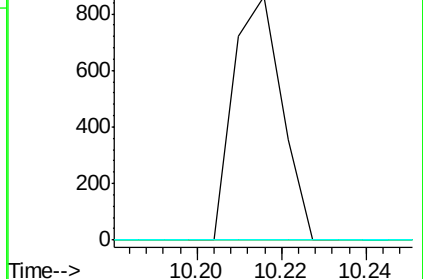
92 0.0 89.4 134.2#

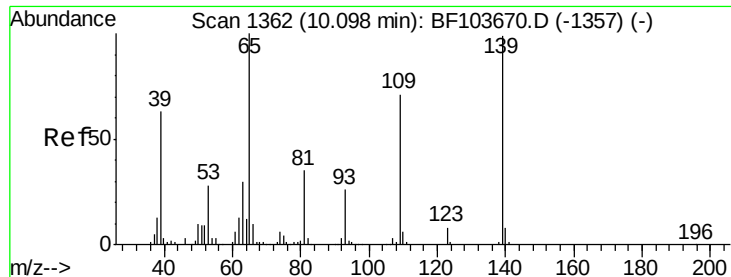


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

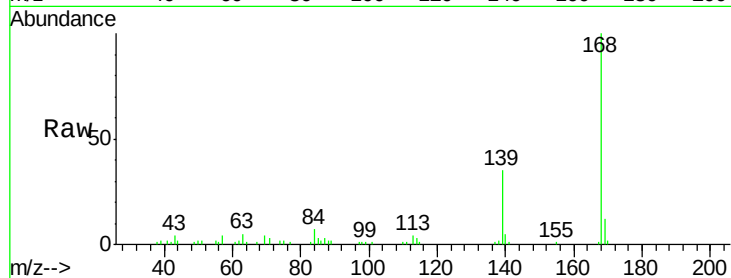




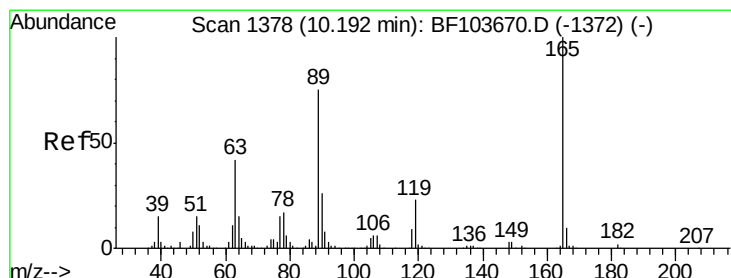
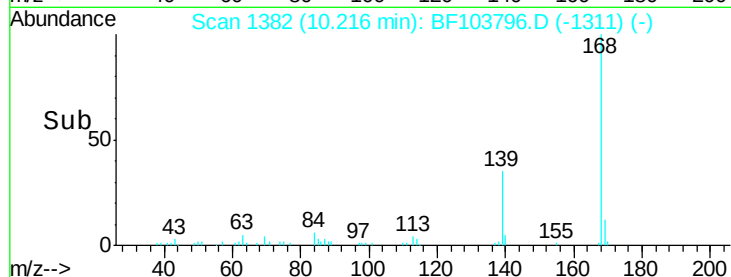
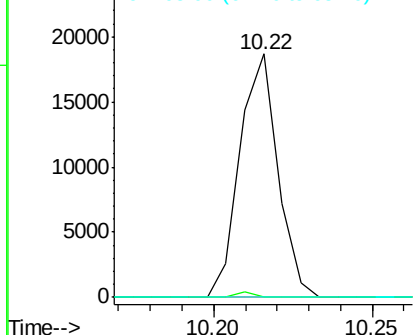
#55
4-Nitrophenol
Concen: 9.190 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.12 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 15517
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

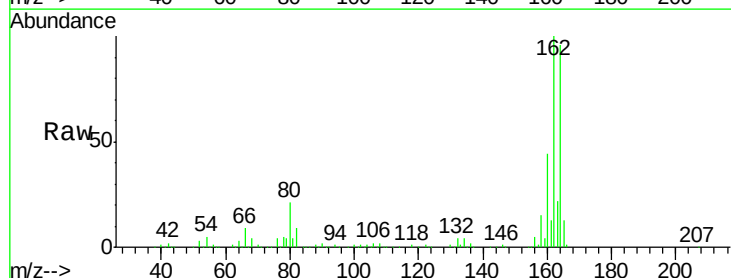


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

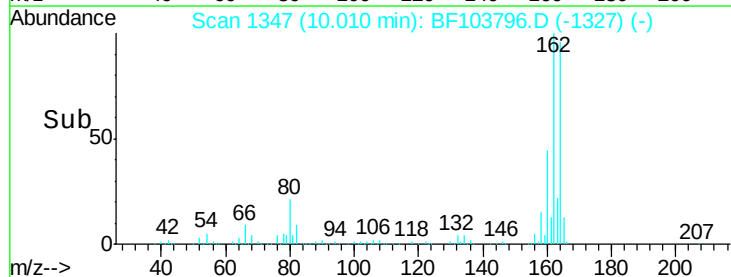
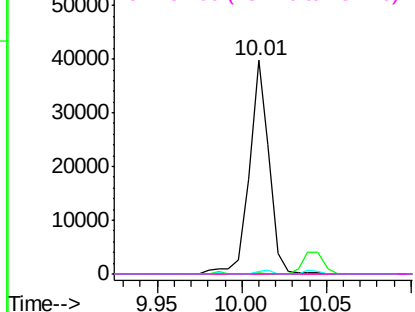


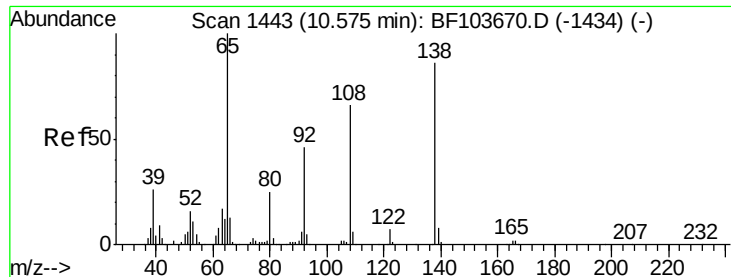
#56
2,4-Dinitrotoluene
Concen: 12.331 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.18 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Tgt Ion:165 Resp: 32440
Ion Ratio Lower Upper
165 100
63 0.8 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

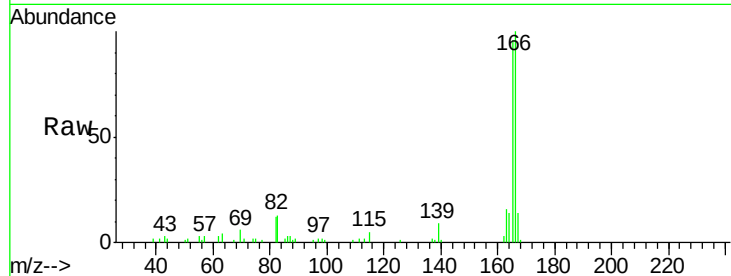




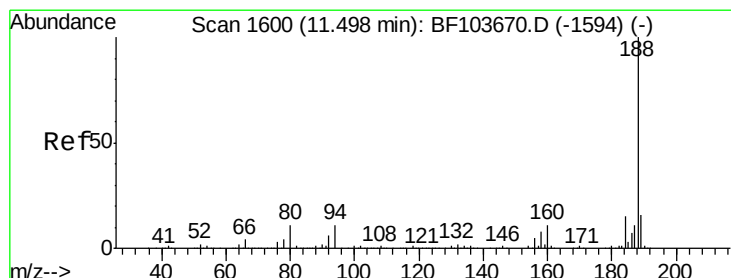
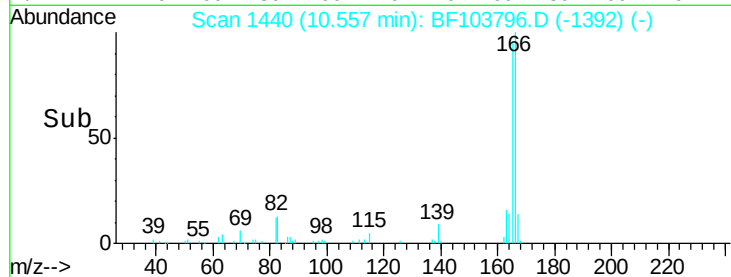
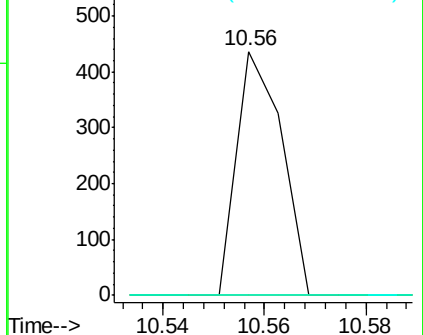
#61
4-Nitroaniline
Concen: 3.808 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 269
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#

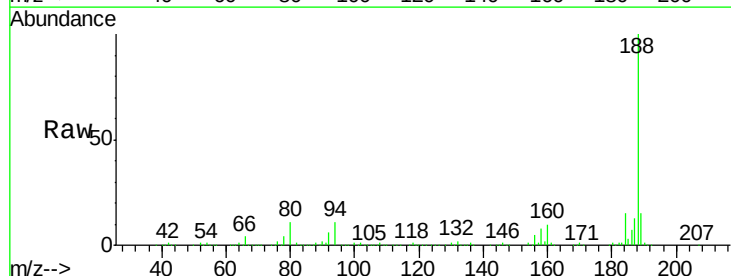


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

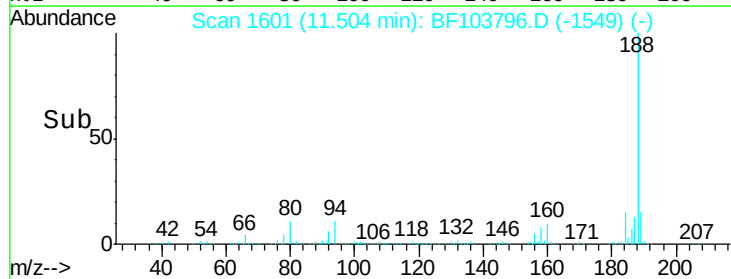
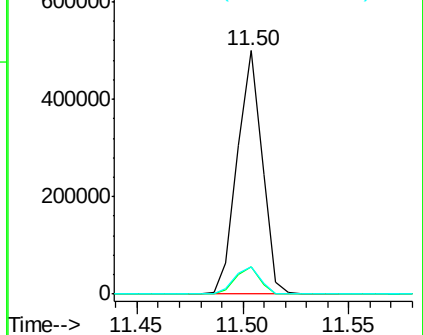


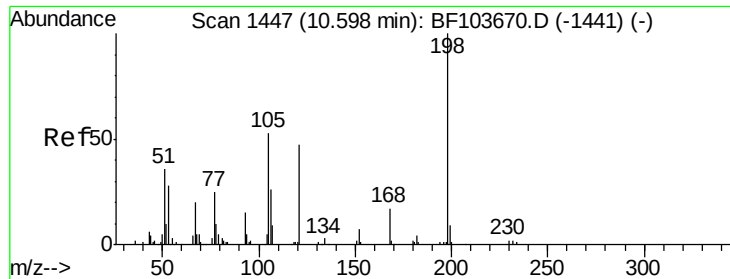
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Tgt Ion:188 Resp: 405508
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.2 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: 8.233 ng

RT: 10.80 min Scan# 1481

Delta R.T. 0.20 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

Instrument :

BNA_F

ClientSampled :

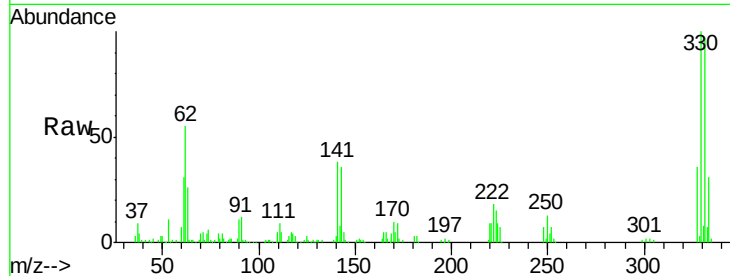
Tot Ion:198 Resp: 159

Ion Ratio Lower Upper

198 100

51 140.4 37.7 77.7#

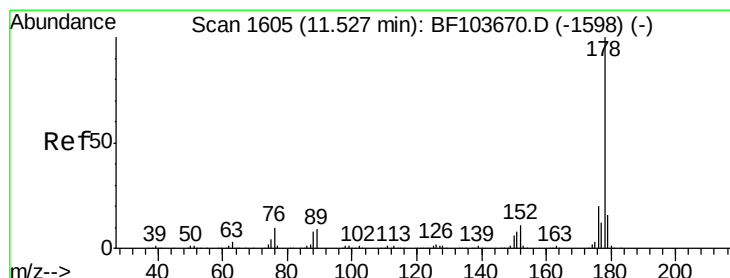
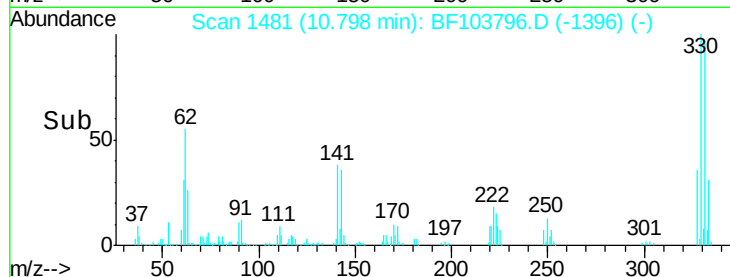
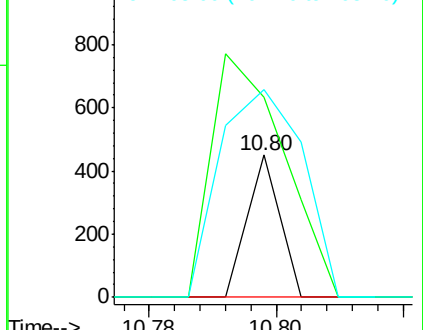
105 146.1 36.3 76.3#



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



#70

Phenanthrene

Concen: 4.041 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

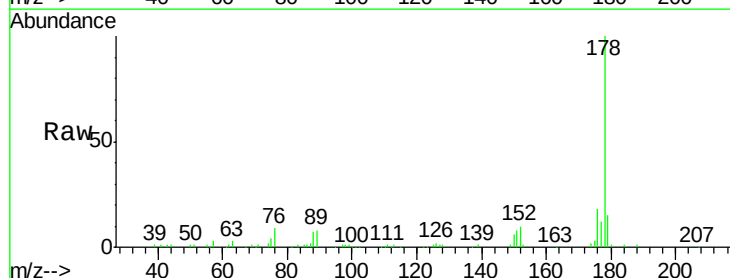
Tgt Ion:178 Resp: 89645

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

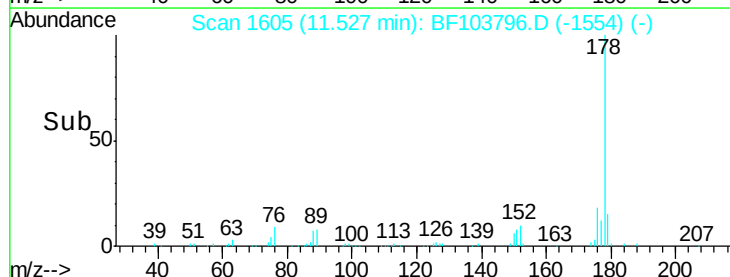
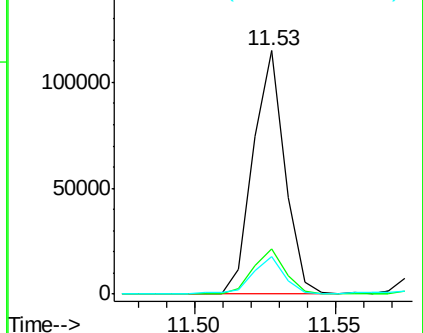
179 15.4 13.0 19.6

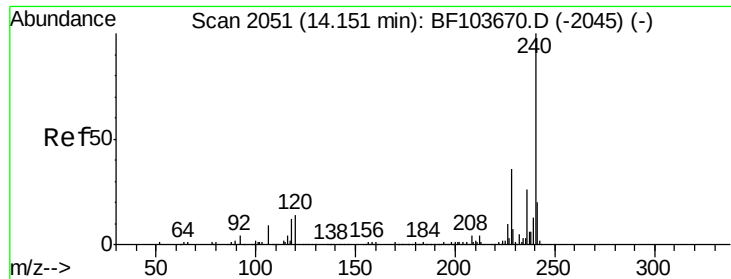


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

Instrument :

BNA_F

ClientSampleId :

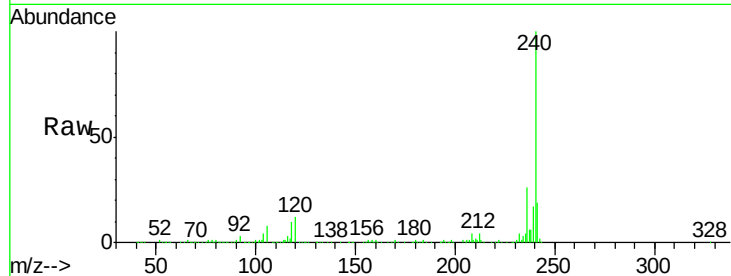
Tot Ion:240 Resp: 293587

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

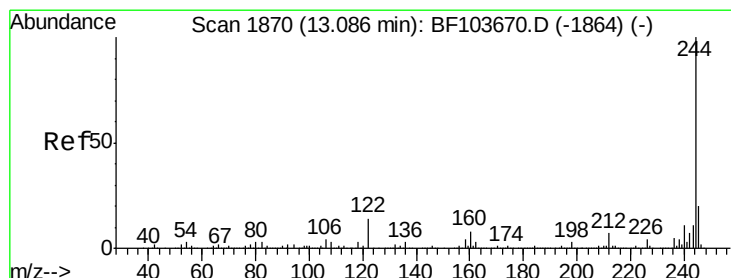
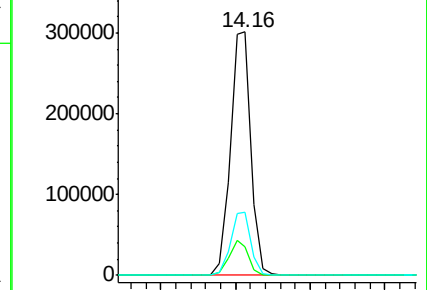
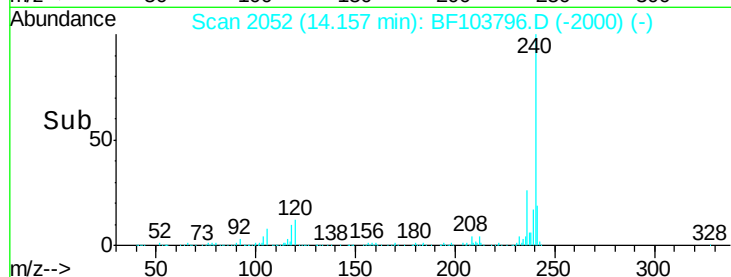
236 26.0 20.7 31.1



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: 93.826 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103796.D

Acq: 20 Mar 2018 10:21

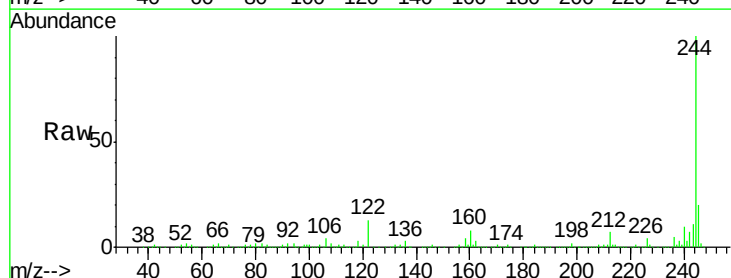
Tgt Ion:244 Resp: 1186746

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

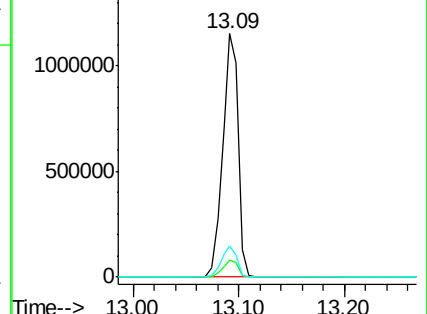
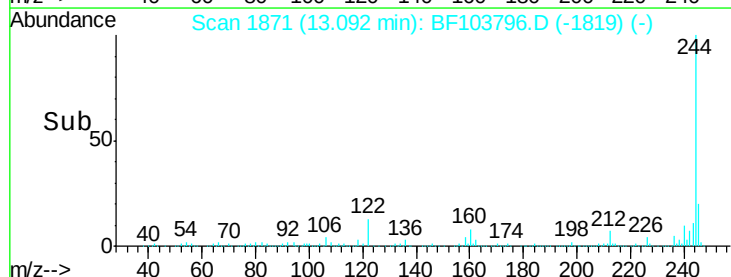
122 13.0 11.0 16.4

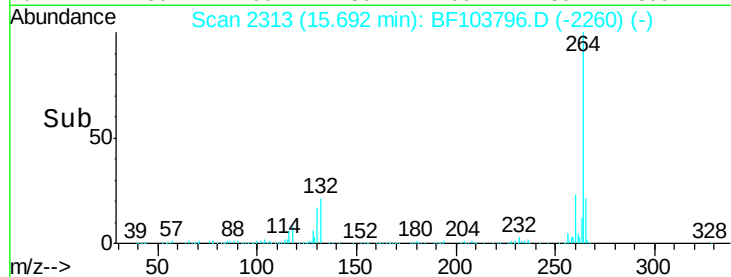
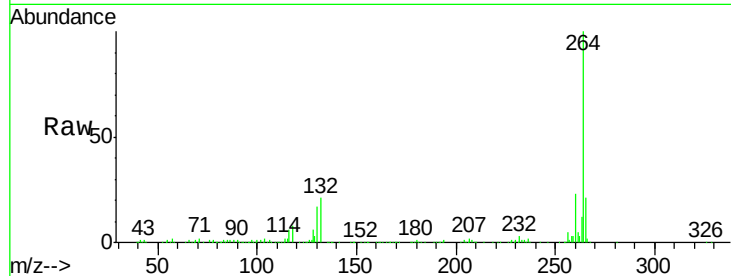
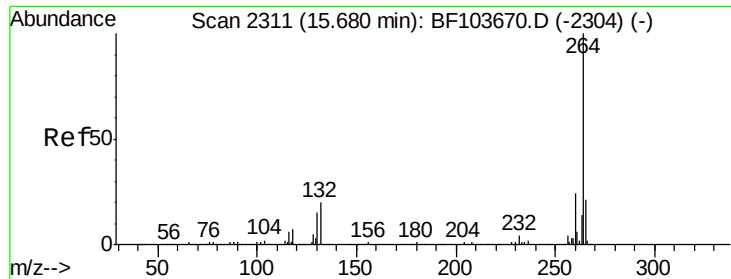


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.01 min
Lab File: BF103796.D
Acq: 20 Mar 2018 10:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3

