

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103133.D
 Acq On : 21 Feb 2018 13:51
 Operator : SJ/JU
 Sample : J1391-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 15:20:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

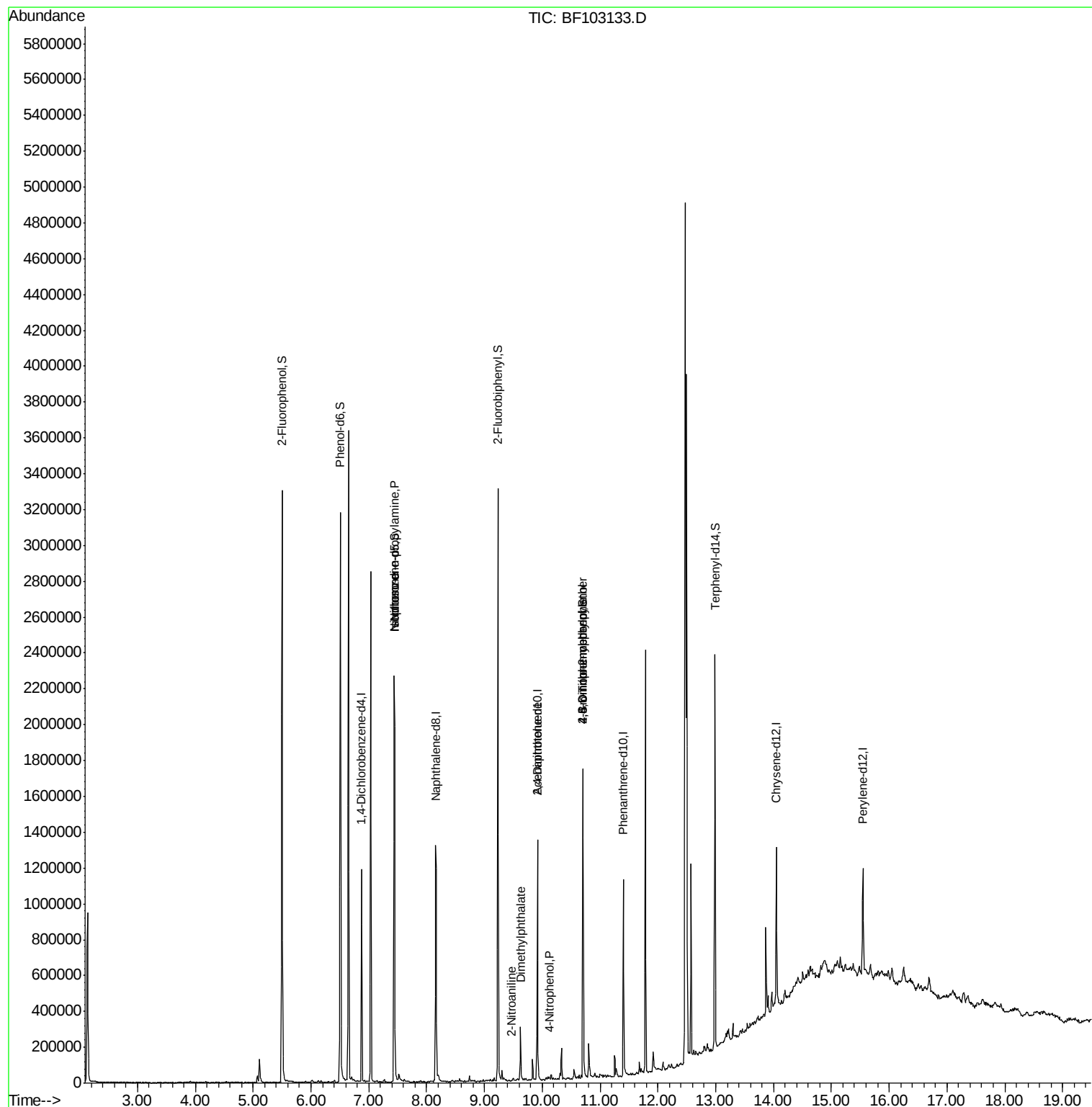
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	159185	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	654570	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	259521	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	374738	20.00	ng	0.00
75) Chrysene-d12	14.05	240	310144	20.00	ng	0.00
86) Perylene-d12	15.54	264	270252	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1040688	99.28	ng	0.00
7) Phenol-d6	6.51	99	1240110	98.26	ng	0.00
23) Nitrobenzene-d5	7.44	82	785802	83.28	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	193773	92.77	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1019967	65.22	ng	0.00
78) Terphenyl-d14	12.99	244	760409	58.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	100807	12.114	ng	# 82
25) Isophorone	7.44	82	785798	36.166	ng	# 64
47) 2-Nitroaniline	9.47	65	107	3.491	ng	# 2
49) Dimethylphthalate	9.62	163	114939	5.680	ng	# 99
55) 4-Nitrophenol	10.13	139	537	4.155	ng	# 31
56) 2,4-Dinitrotoluene	9.92	165	32742	9.011	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	238	8.933	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	13357	3.370	ng	# 1

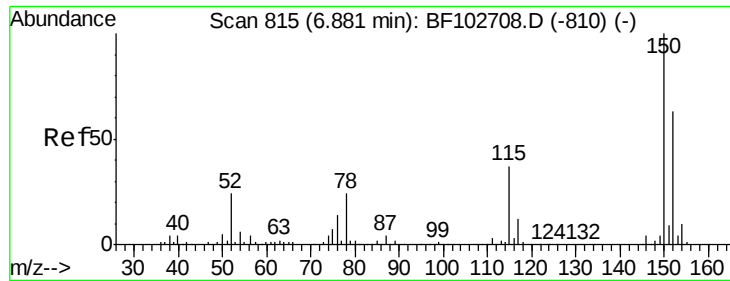
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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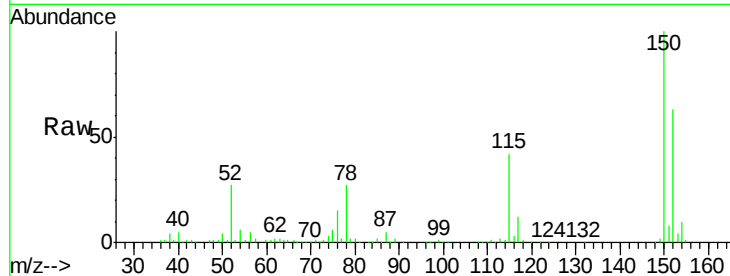


#1

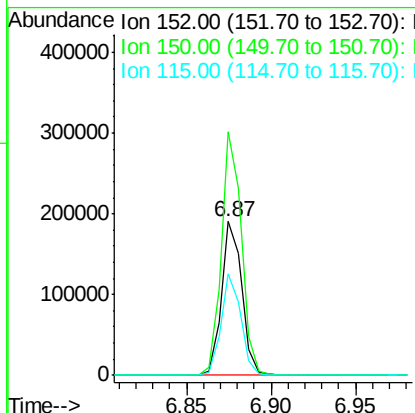
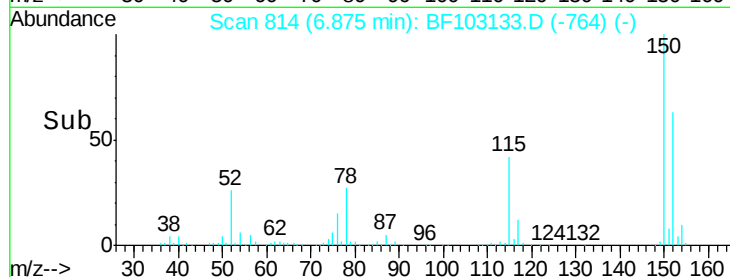
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103133.D
Acq: 21 Feb 2018 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159185
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 65.9 50.1 75.1



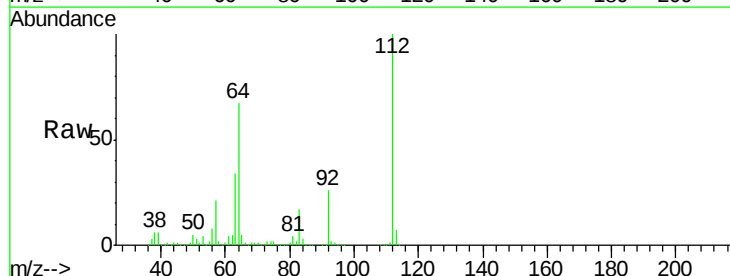
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



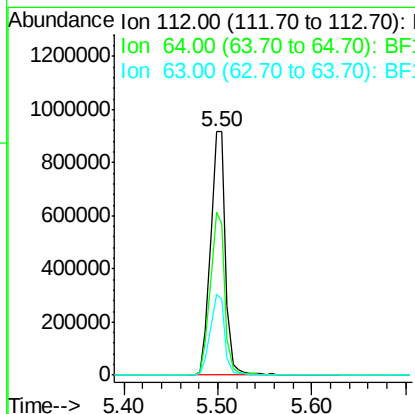
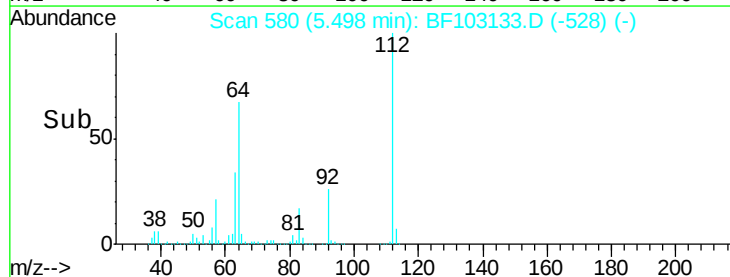
#5

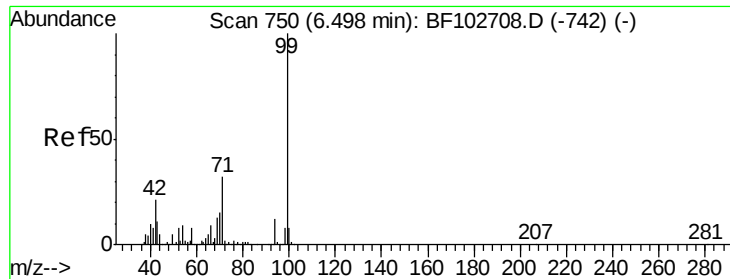
2-Fluorophenol
Concen: 99.284 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103133.D
Acq: 21 Feb 2018 13:51

Tgt Ion:112 Resp: 1040688
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 33.5 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: 98.258 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

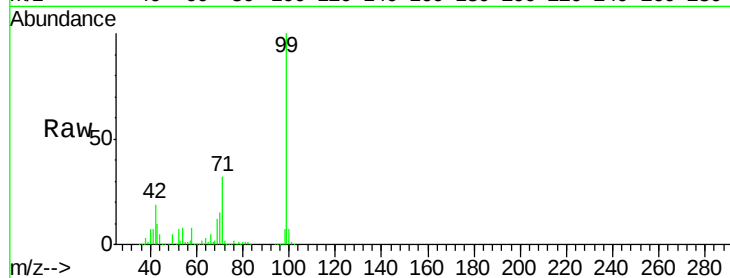
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1240110

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	32.1	25.4	38.0

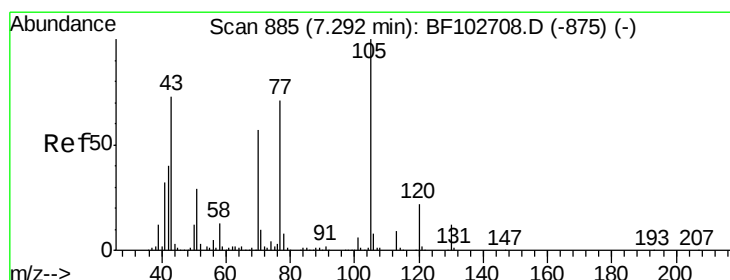
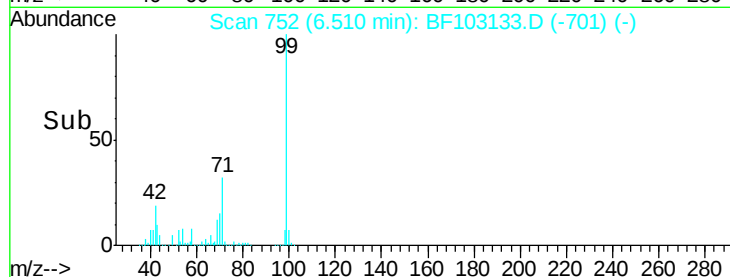
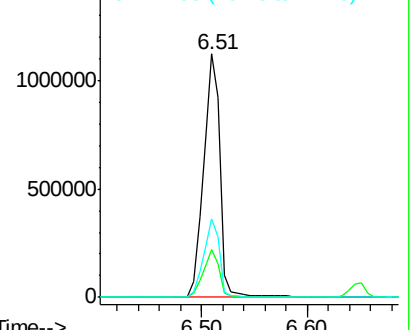


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.114 ng

RT: 7.44 min Scan# 910

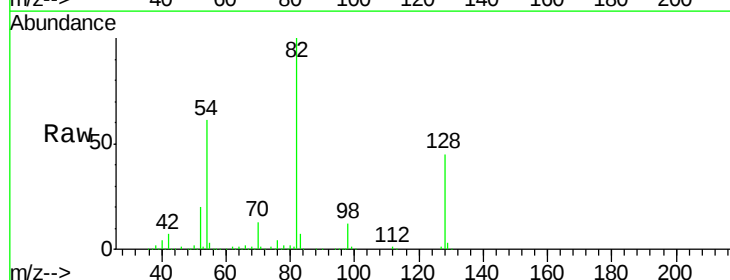
Delta R.T. 0.15 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

Tgt Ion: 70 Resp: 100807

Ion	Ratio	Lower	Upper
70	100		
42	52.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



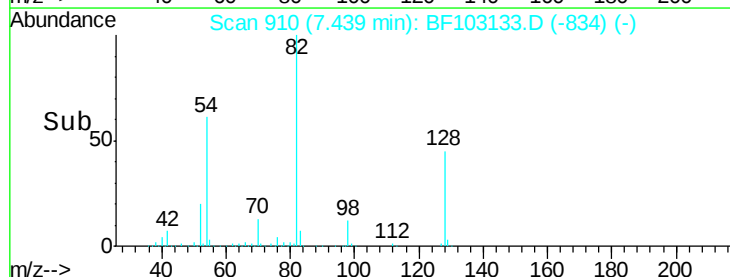
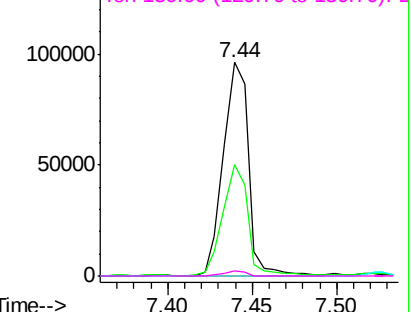
Abundance

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: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 654570

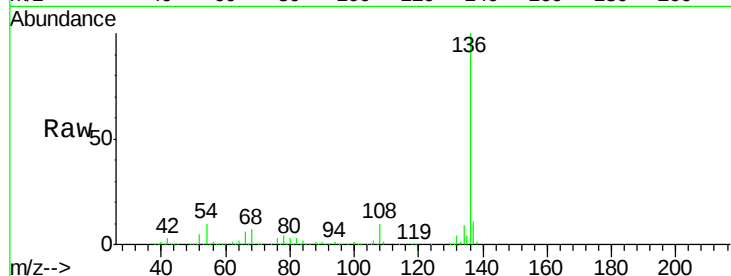
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.0 6.6 9.8#

68 6.5 5.0 7.4

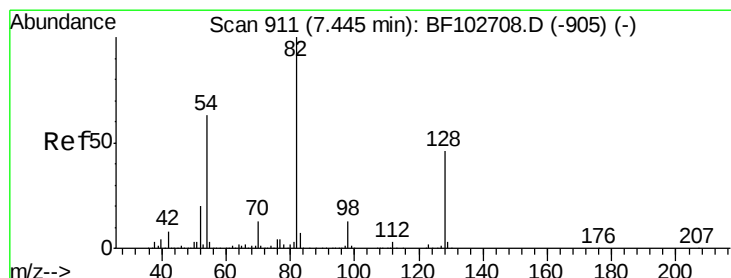
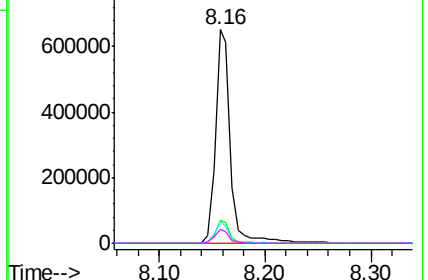
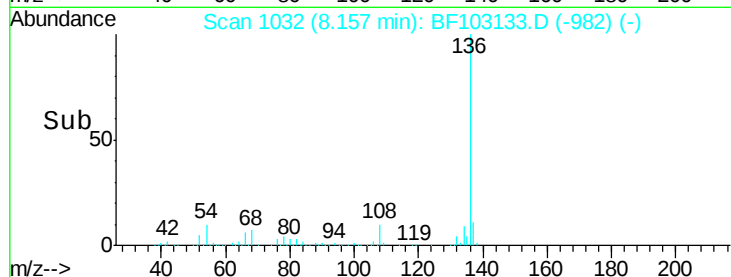


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.278 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

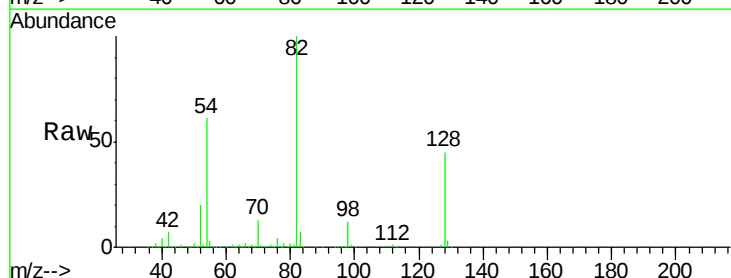
Tgt Ion: 82 Resp: 785802

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

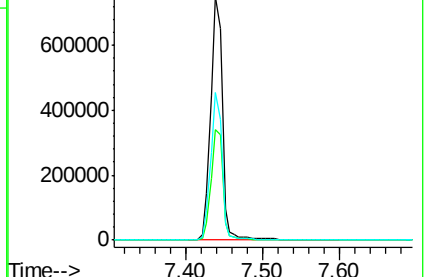
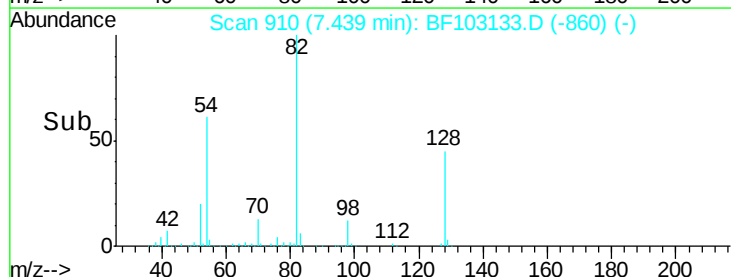
54 60.7 41.4 62.2



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: 36.166 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

Instrument :

BNA_F

ClientSampleId :

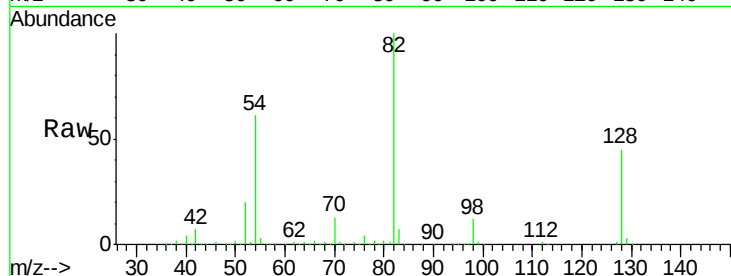
Tot Ion: 82 Resp: 785798

Ion Ratio Lower Upper

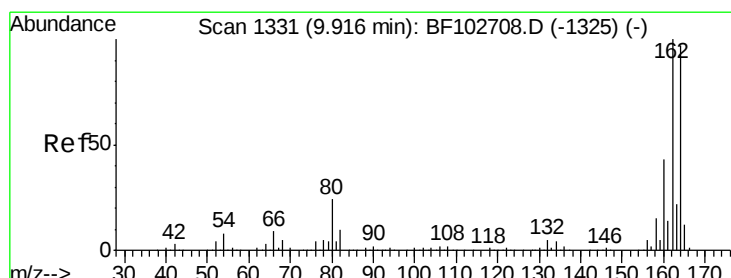
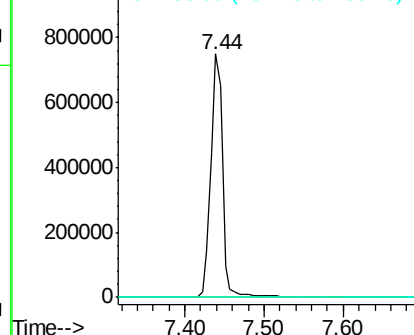
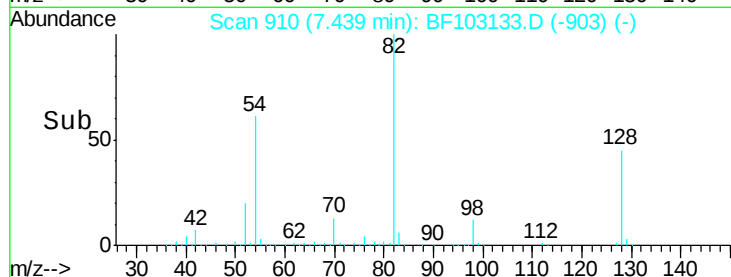
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

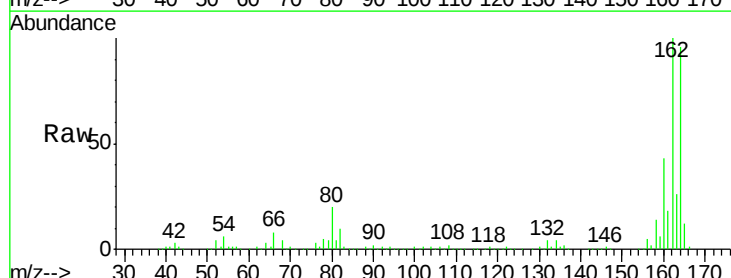
Tgt Ion: 164 Resp: 259521

Ion Ratio Lower Upper

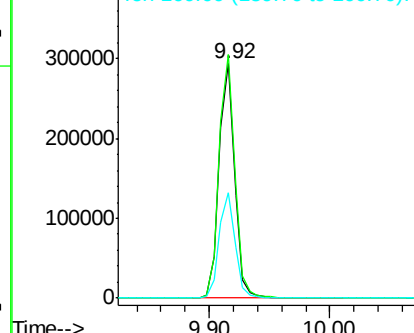
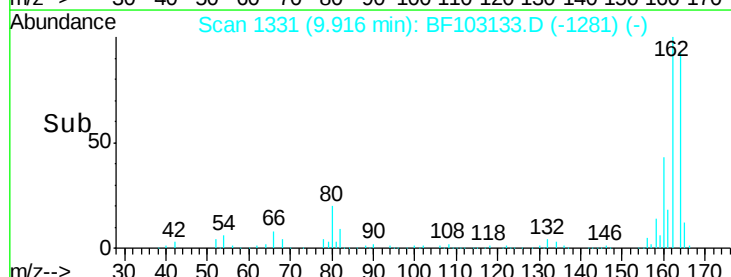
164 100

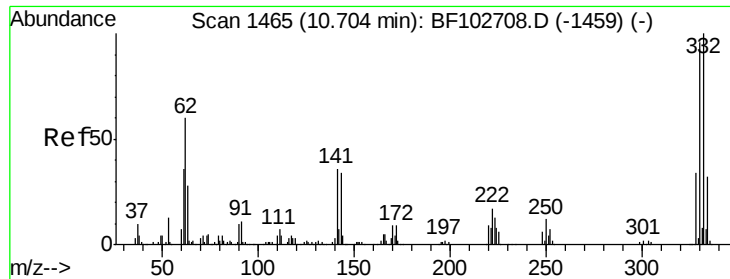
162 104.0 86.1 129.1

160 45.0 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

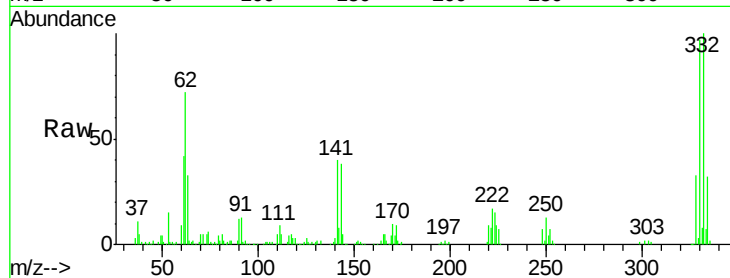




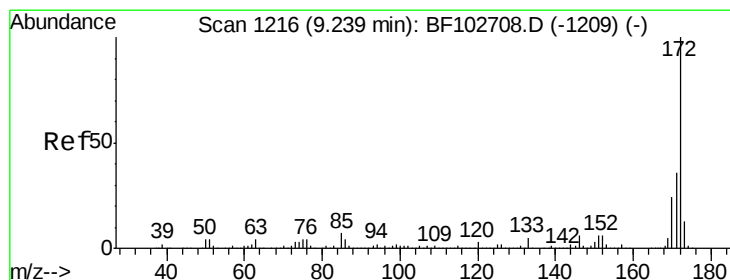
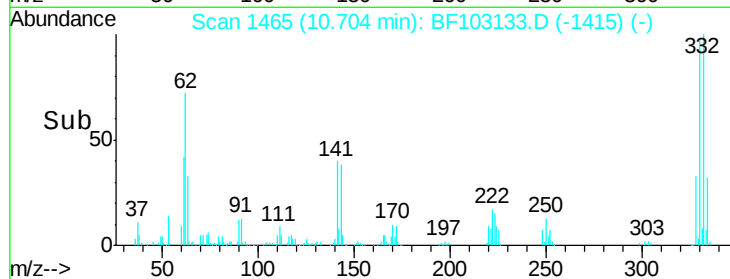
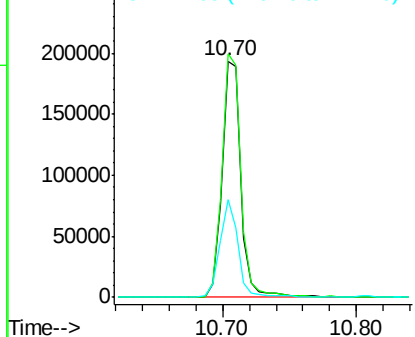
#41
 2,4,6-Tribromophenol
 Concen: 92.766 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103133.D
 Acq: 21 Feb 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.7	77.0	115.6
141	40.1	29.9	44.9

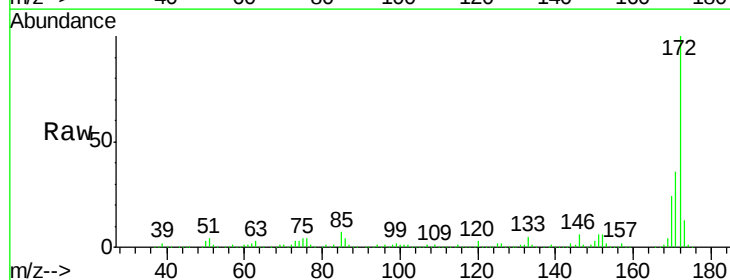


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

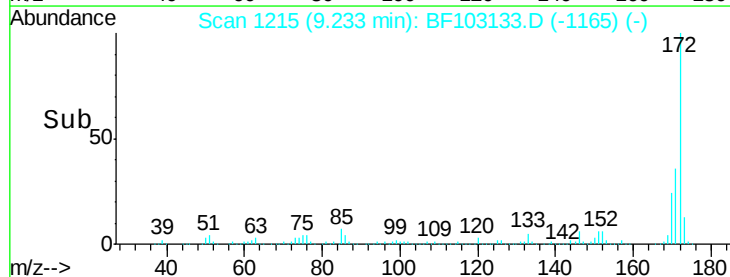
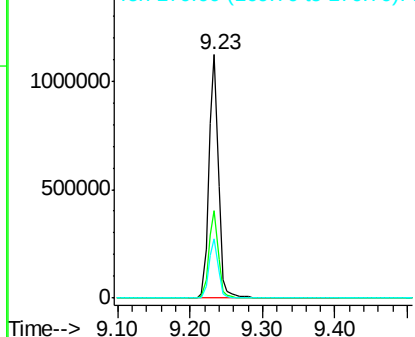


#44
 2-Fluorobiphenyl
 Concen: 65.216 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103133.D
 Acq: 21 Feb 2018 13:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.4	19.6	29.4



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





#47

2-Nitroaniline

Concen: 3.491 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

Instrument :

BNA_F

ClientSampleId :

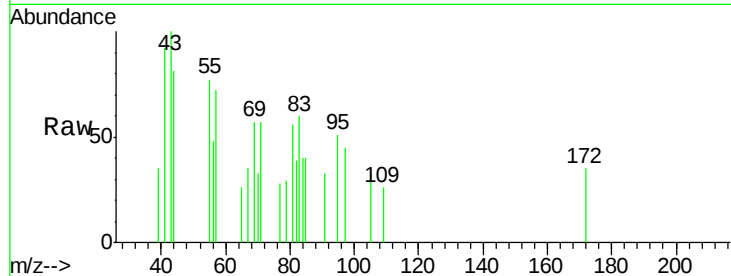
Tot Ion: 65 Resp: 107

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

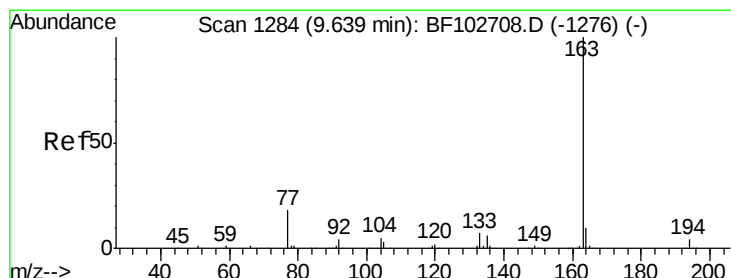
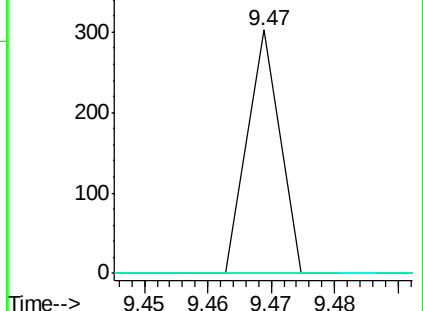
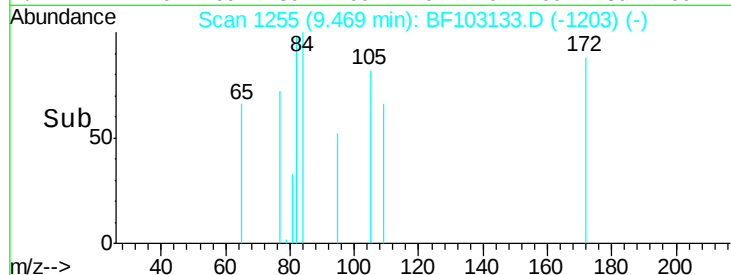
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 5.680 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

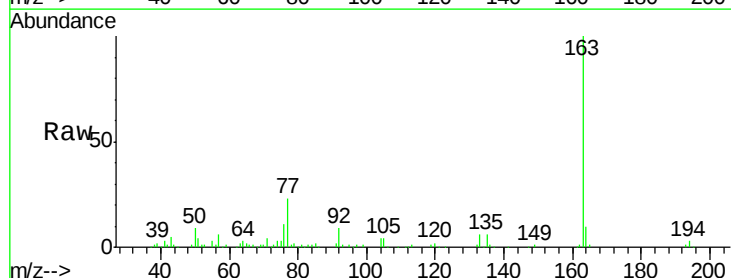
Tgt Ion: 163 Resp: 114939

Ion Ratio Lower Upper

163 100

194 2.6 2.7 4.1#

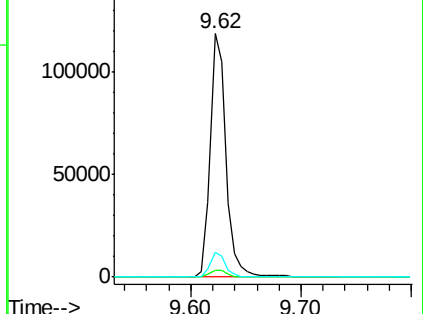
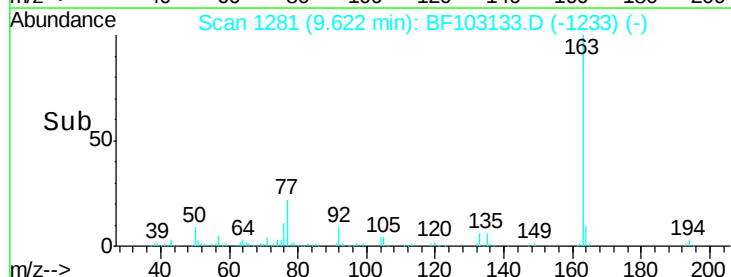
164 10.0 8.2 12.2

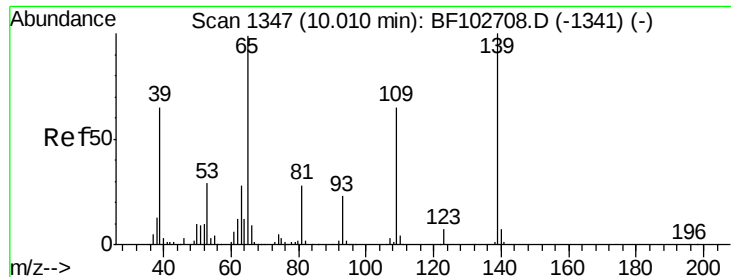


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

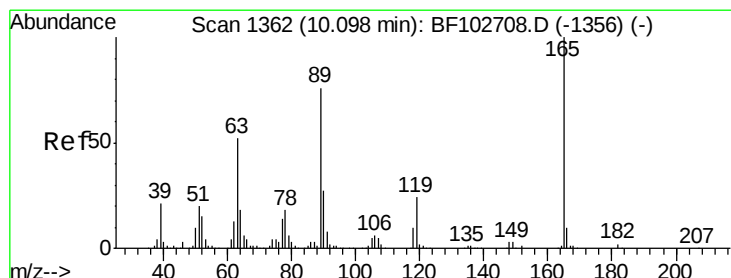
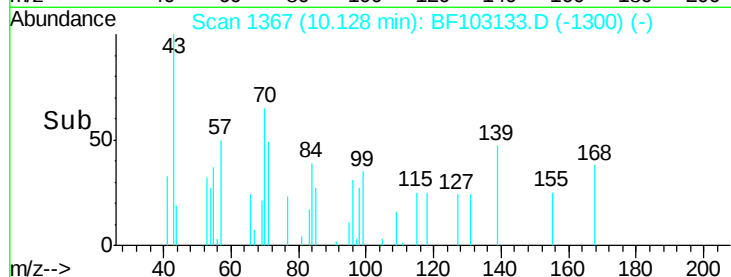
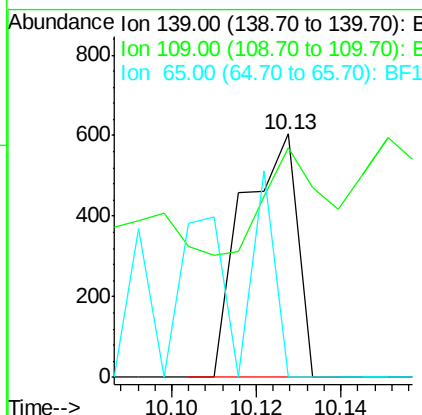
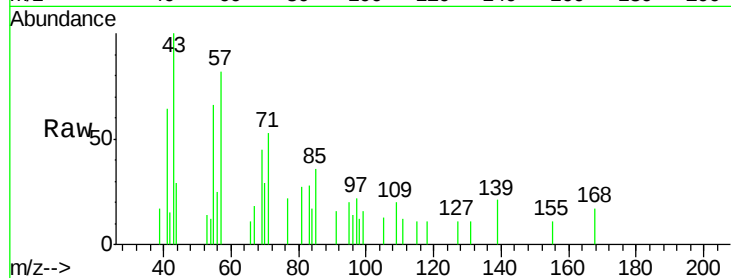




#55
4-Nitrophenol
Concen: 4.155 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.09 min
Lab File: BF103133.D
Acq: 21 Feb 2018 13:51

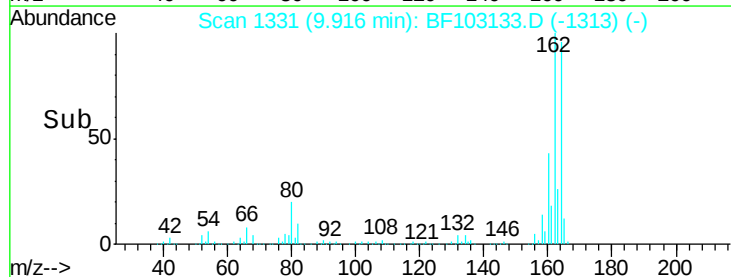
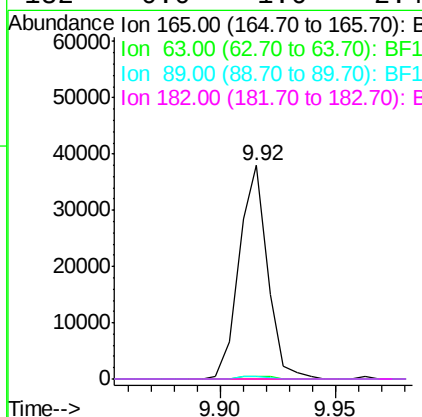
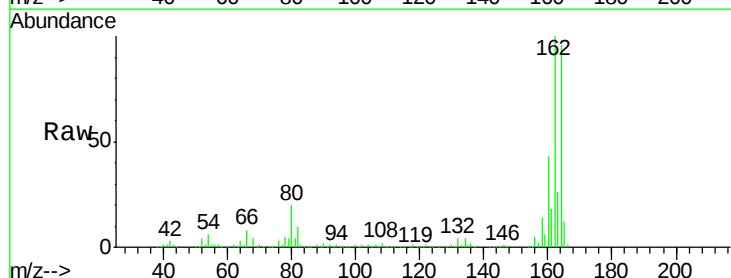
Instrument :
BNA_F
ClientSampled :

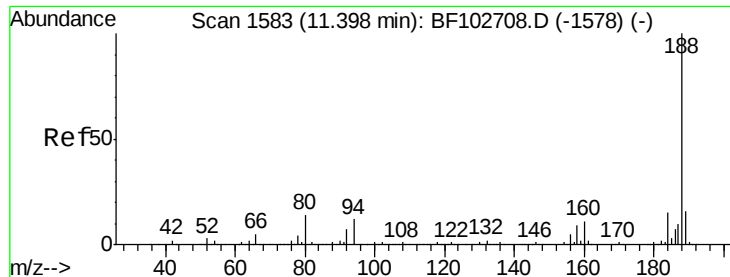
Tot Ion:139 Resp: 537
Ion Ratio Lower Upper
139 100
109 94.4 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.011 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103133.D
Acq: 21 Feb 2018 13:51

Tgt Ion:165 Resp: 32742
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#

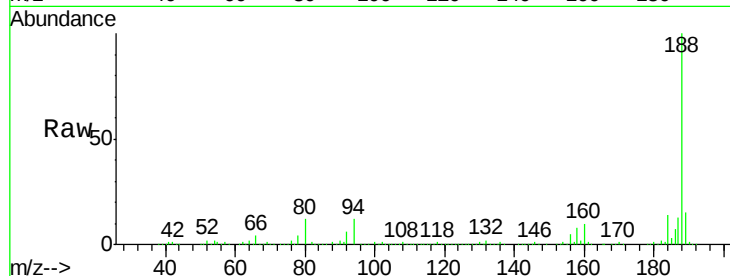




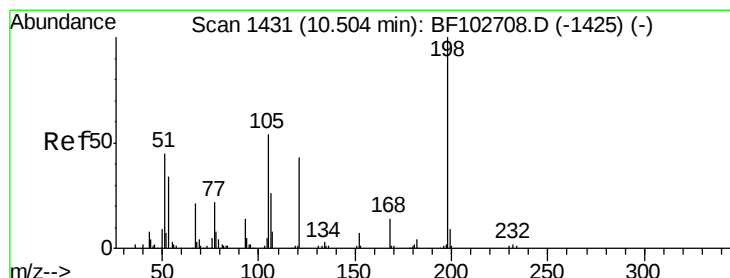
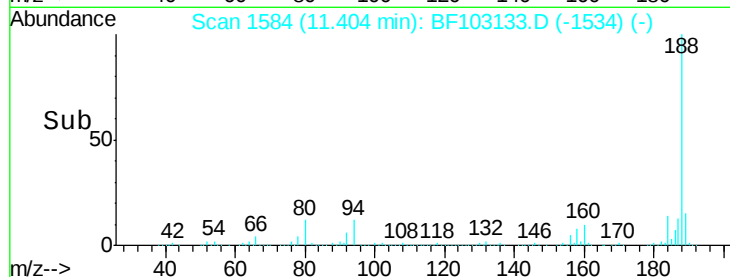
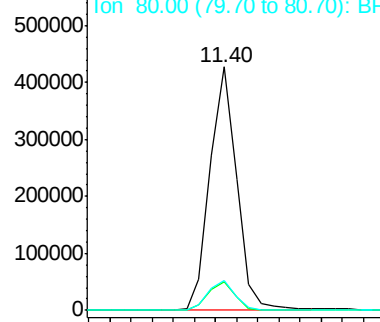
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103133.D
 Acq: 21 Feb 2018 13:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 374738
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 12.3 9.2 13.8

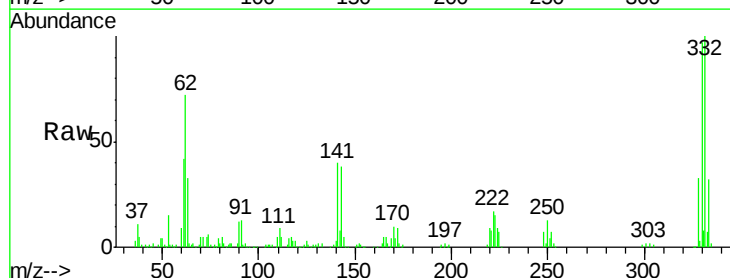


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

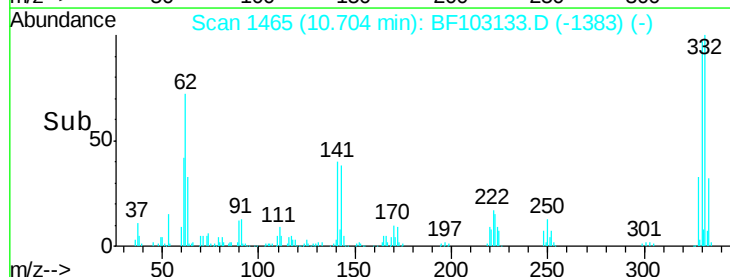
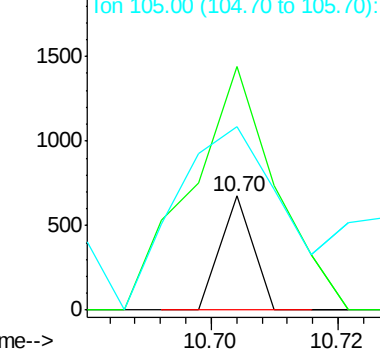


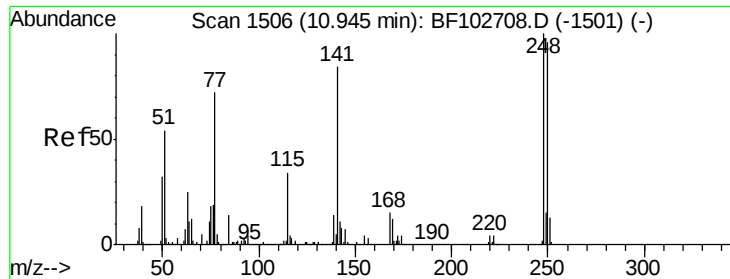
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.933 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103133.D
 Acq: 21 Feb 2018 13:51

Tgt Ion:198 Resp: 238
 Ion Ratio Lower Upper
 198 100
 51 213.5 37.7 77.7#
 105 160.9 36.3 76.3#



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

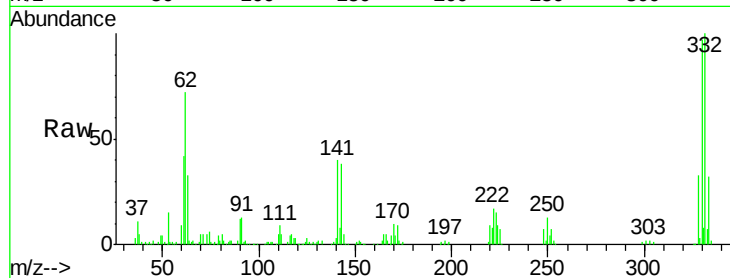




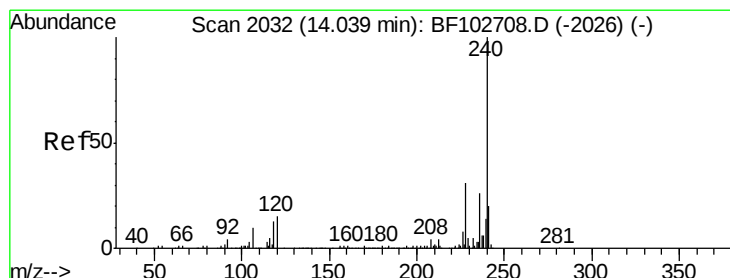
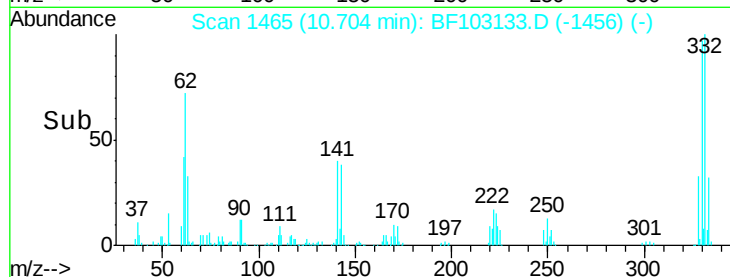
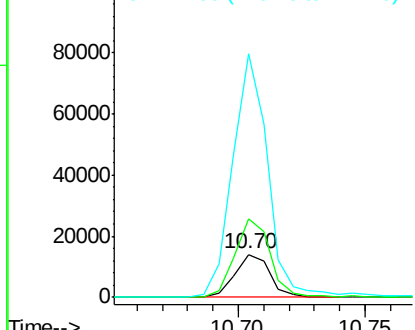
#66
 4-Bromophenyl-phenylether
 Concen: 3.370 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103133.D
 Acq: 21 Feb 2018 13:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13357
 Ion Ratio Lower Upper
 248 100
 250 183.7 76.9 115.3#
 141 569.8 74.4 111.6#

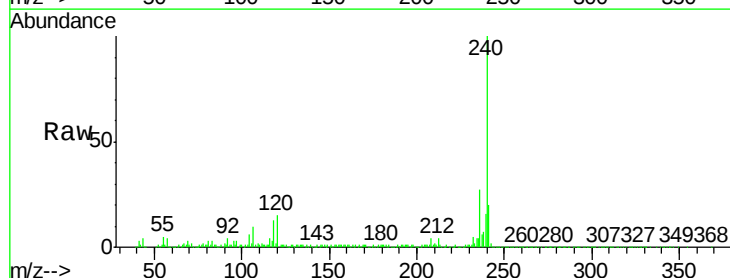


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

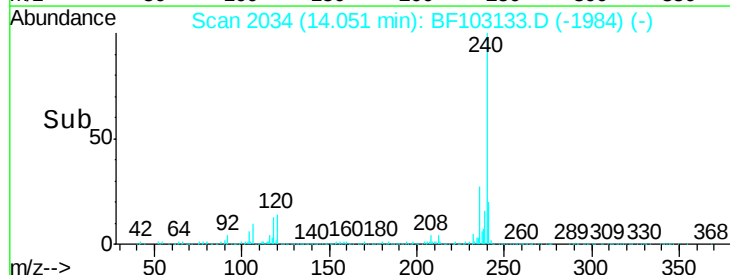
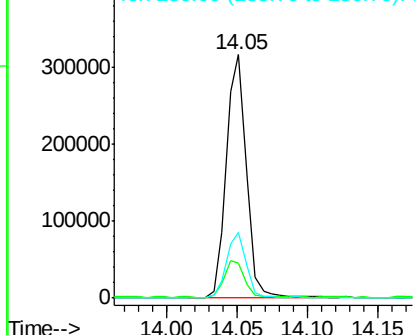


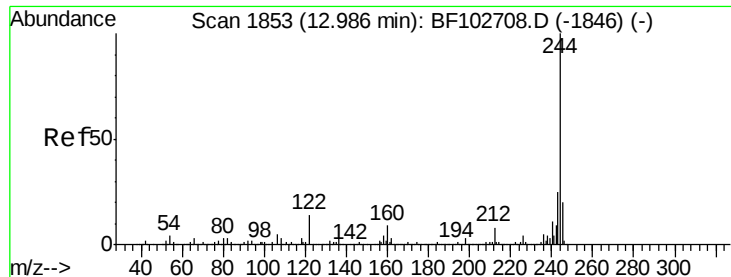
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103133.D
 Acq: 21 Feb 2018 13:51

Tgt Ion:240 Resp: 310144
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 27.2 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: 58.053 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

Instrument :

BNA_F

ClientSampled :

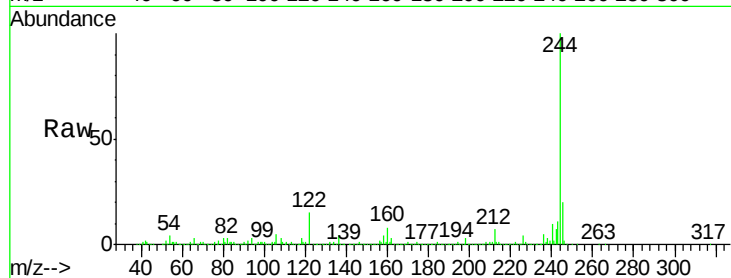
Tot Ion:244 Resp: 760409

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 15.0 11.0 16.4

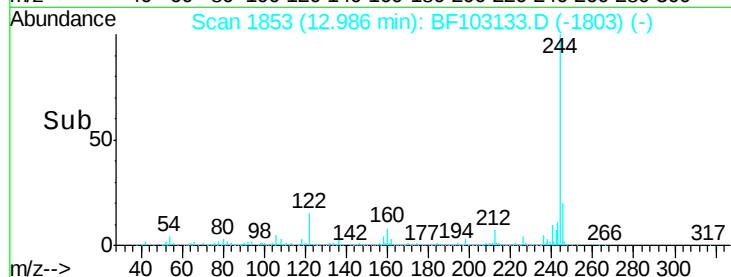


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

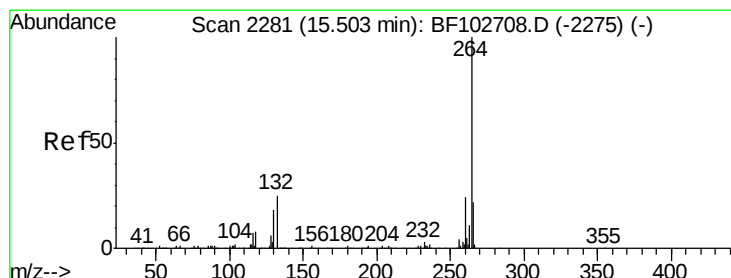
Ion 122.00 (121.70 to 122.70): E

Time-->



Abundance

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF103133.D

Acq: 21 Feb 2018 13:51

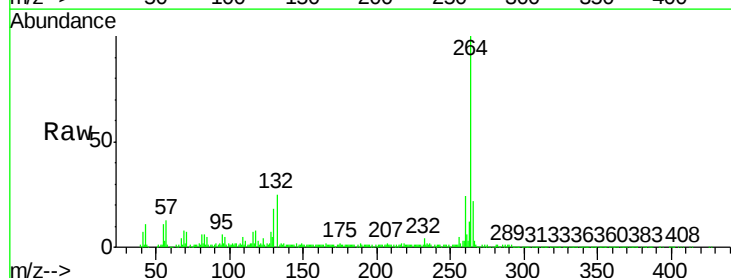
Tgt Ion:264 Resp: 270252

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.8 17.5 26.3

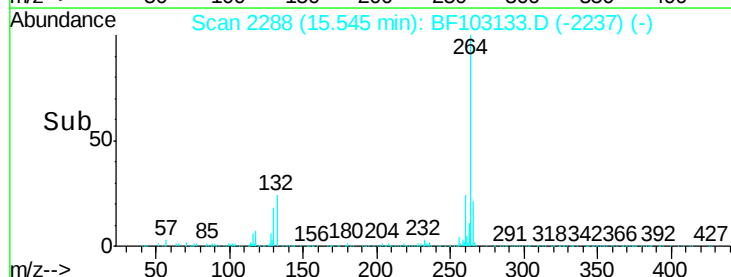


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



Abundance

Time-->