

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103130.D
 Acq On : 21 Feb 2018 12:30
 Operator : SJ/JU
 Sample : PB106699BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 12:58:19 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

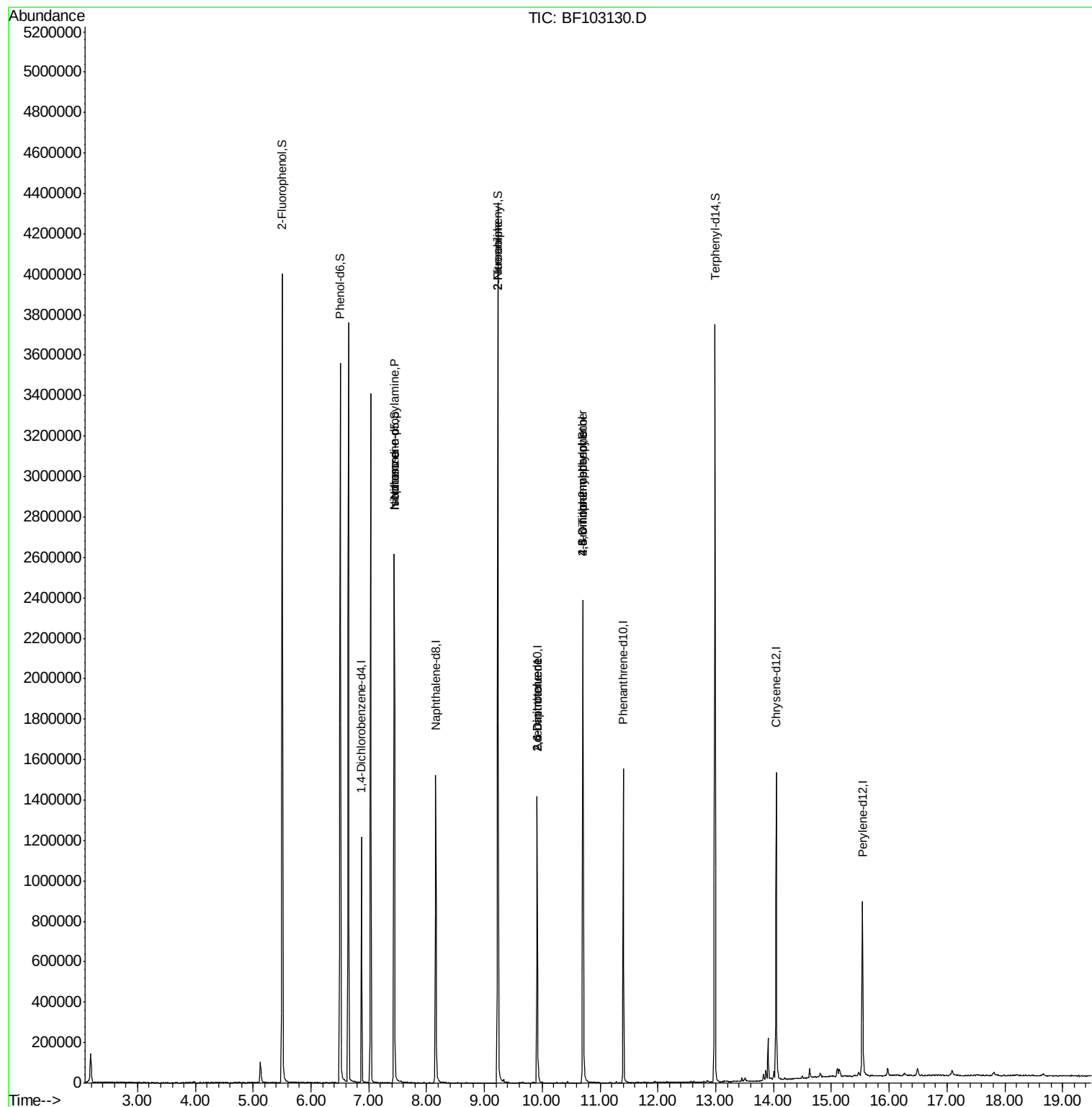
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161196	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	684782	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	317495	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	571889	20.00	ng	0.00
75) Chrysene-d12	14.04	240	488712	20.00	ng	-0.01
86) Perylene-d12	15.54	264	418477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1221646	115.09	ng	0.01
7) Phenol-d6	6.51	99	1452118	113.62	ng	0.00
23) Nitrobenzene-d5	7.44	82	952943	96.54	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	306928	120.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1509051	78.87	ng	0.00
78) Terphenyl-d14	12.99	244	1475490	71.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	126179	14.974	ng	# 80
25) Isophorone	7.44	82	952939	41.924	ng	# 64
47) 2-Nitroaniline	9.23	65	2875	3.883	ng	# 6
50) 2,6-Dinitrotoluene	9.91	165	41616	8.836	ng	# 25
56) 2,4-Dinitrotoluene	9.91	165	41616	9.242	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	675	9.055	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	19486	3.221	ng	# 1

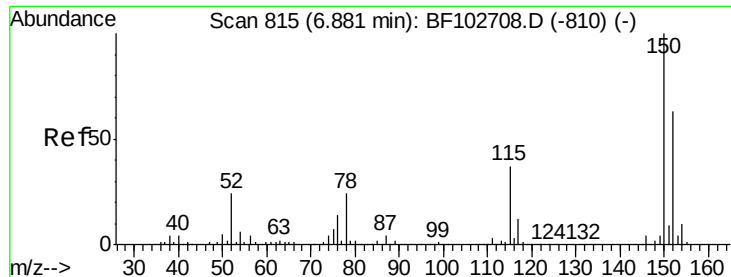
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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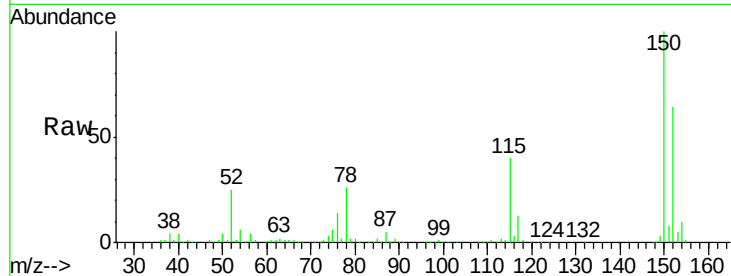


#1

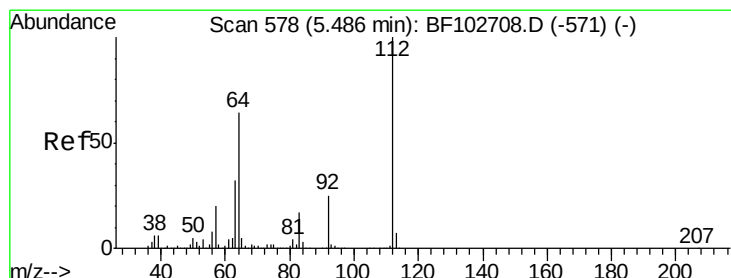
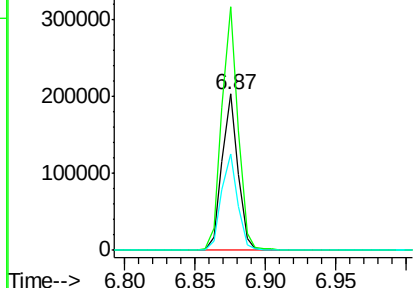
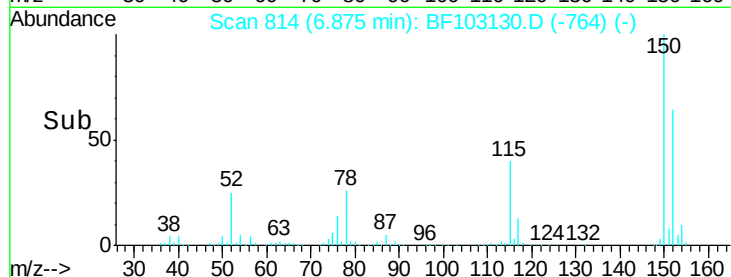
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103130.D
Acq: 21 Feb 2018 12:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161196
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 61.5 50.1 75.1



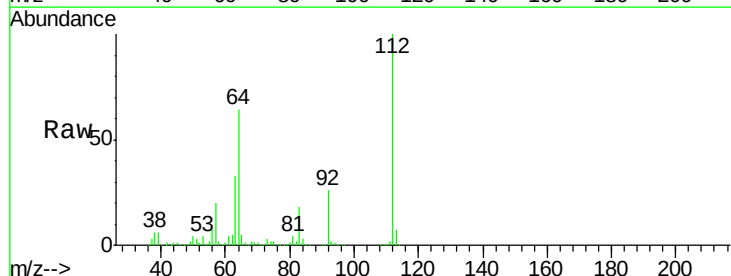
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



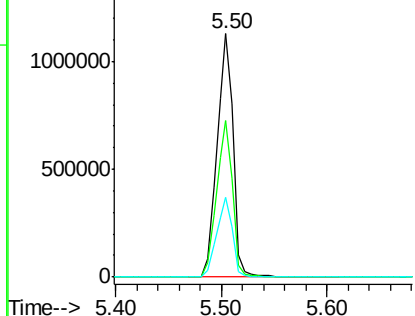
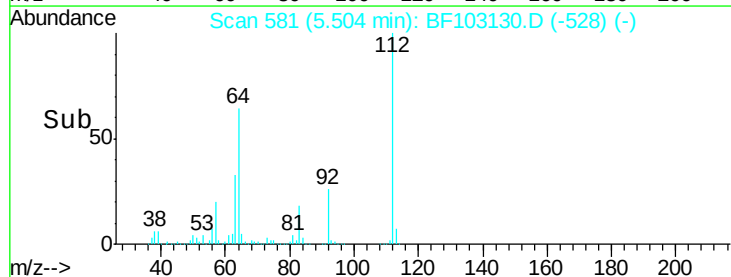
#5

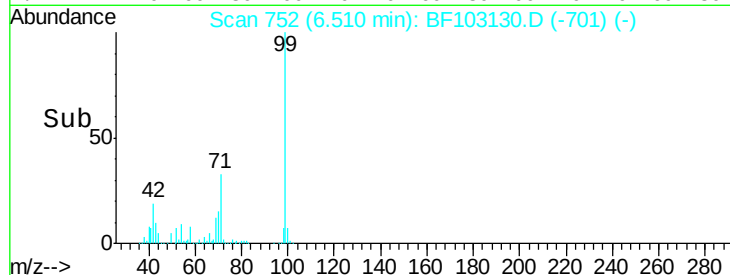
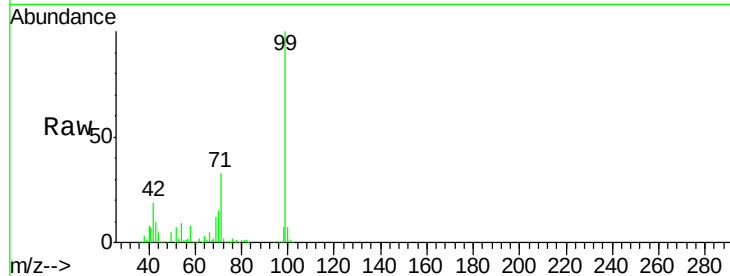
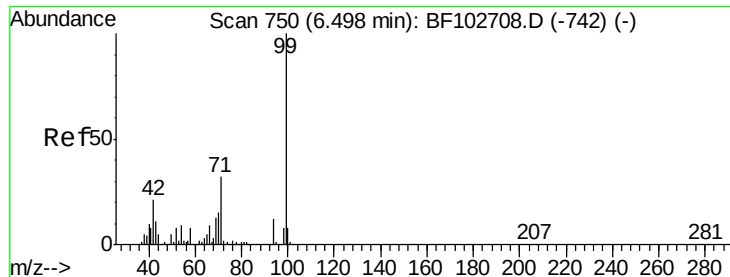
2-Fluorophenol
Concen: 115.094 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103130.D
Acq: 21 Feb 2018 12:30

Tgt Ion:112 Resp: 1221646
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 32.6 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: 113.621 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103130.D

Acq: 21 Feb 2018 12:30

Instrument :

BNA_F

ClientSampleId :

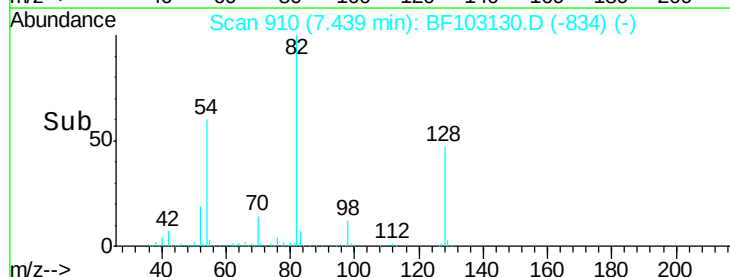
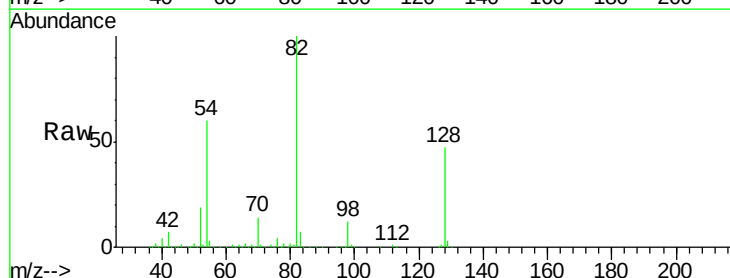
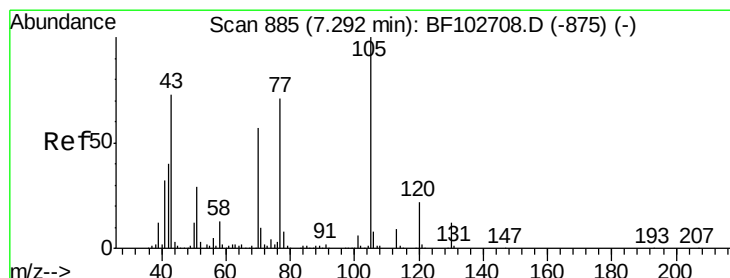
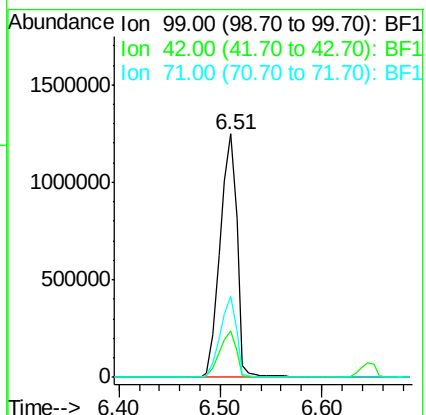
Tot Ion: 99 Resp: 1452118

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.974 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103130.D

Acq: 21 Feb 2018 12:30

Tgt Ion: 70 Resp: 126179

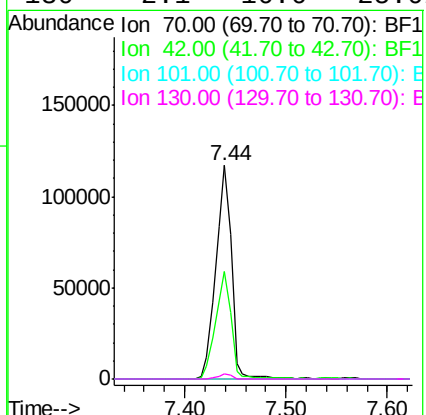
Ion Ratio Lower Upper

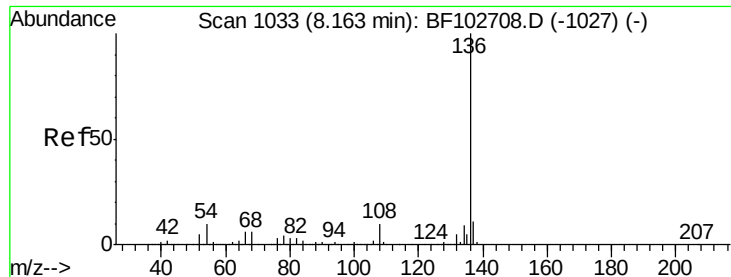
70 100

42 50.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

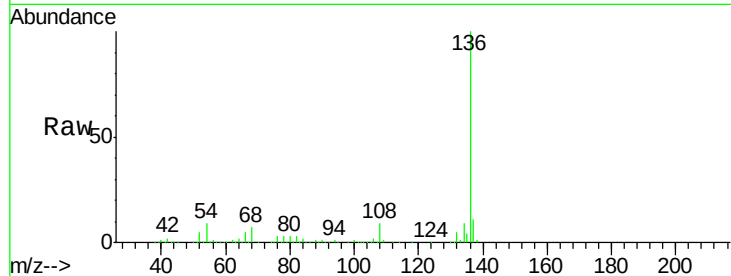




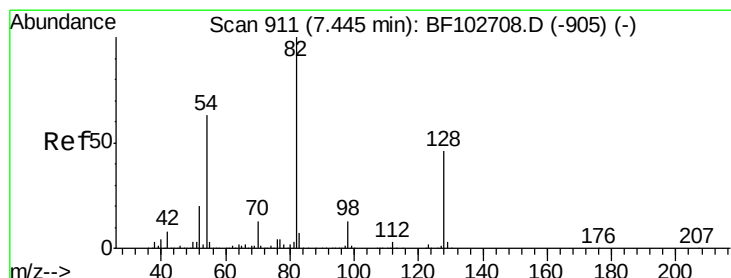
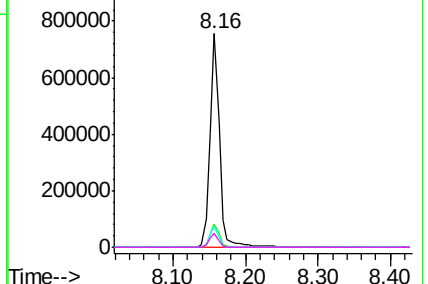
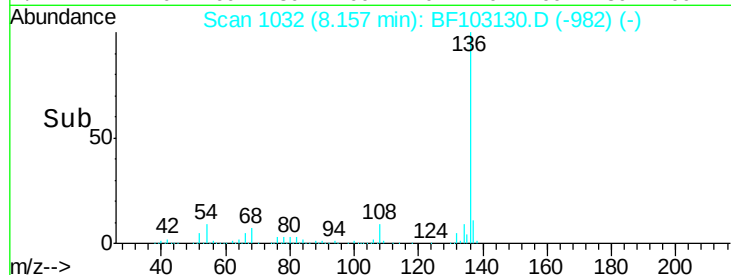
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103130.D
Acq: 21 Feb 2018 12:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	684782
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	9.4	6.6 9.8
68	6.7	5.0 7.4

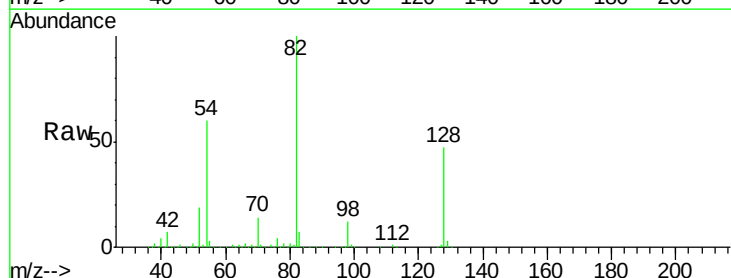


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

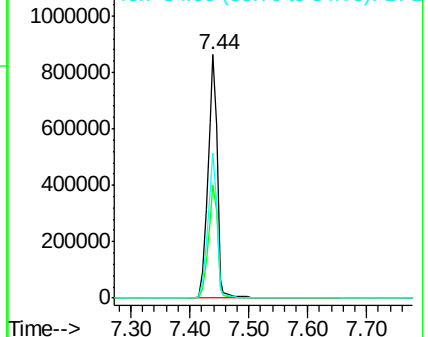
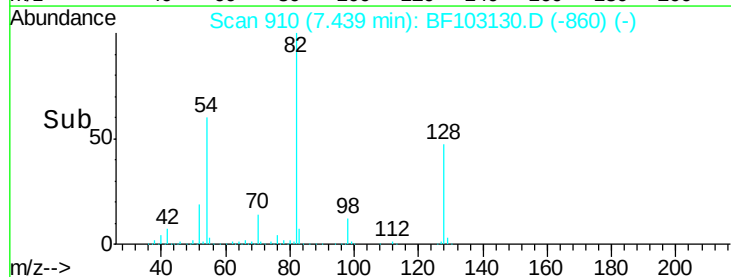


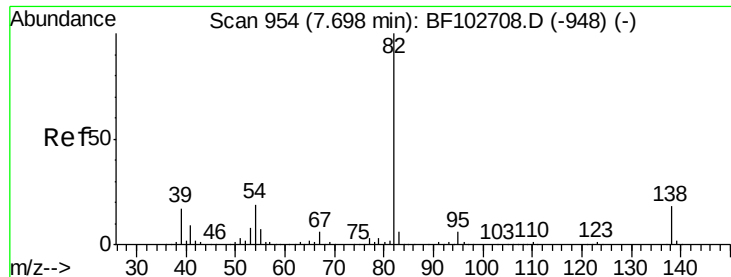
#23
Nitrobenzene-d5
Concen: 96.536 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103130.D
Acq: 21 Feb 2018 12:30

Tgt Ion: 82	Resp:	952943
Ion Ratio	Lower	Upper
82	100	
128	46.5	36.1 54.1
54	59.5	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: 41.924 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103130.D

Acq: 21 Feb 2018 12:30

Instrument :

BNA_F

ClientSampled :

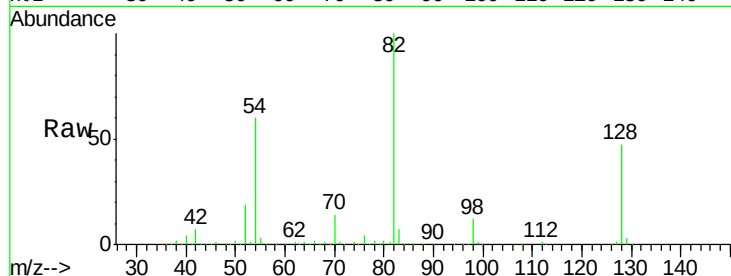
Tot Ion: 82 Resp: 952939

Ion Ratio Lower Upper

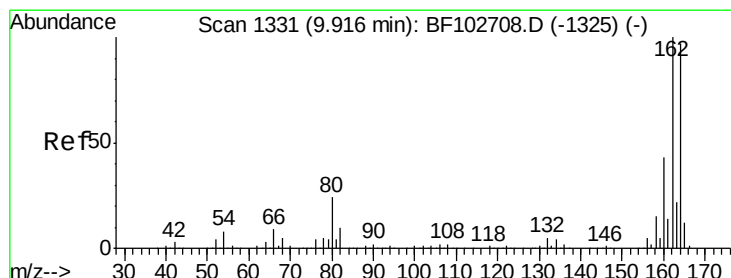
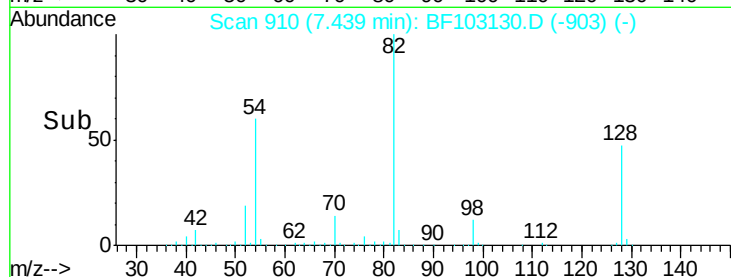
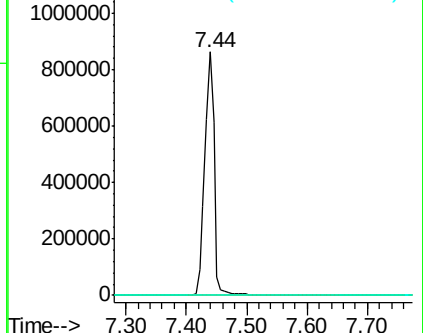
82 100

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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103130.D

Acq: 21 Feb 2018 12:30

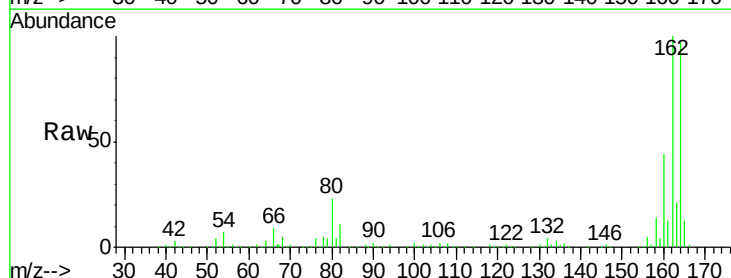
Tgt Ion: 164 Resp: 317495

Ion Ratio Lower Upper

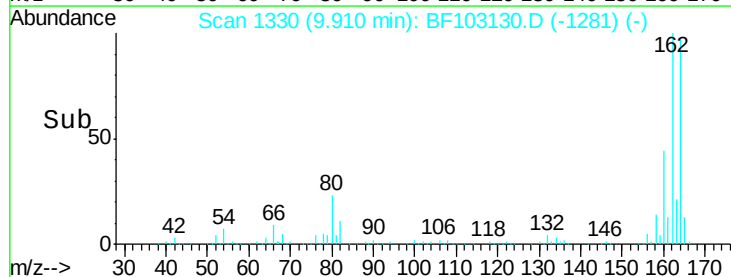
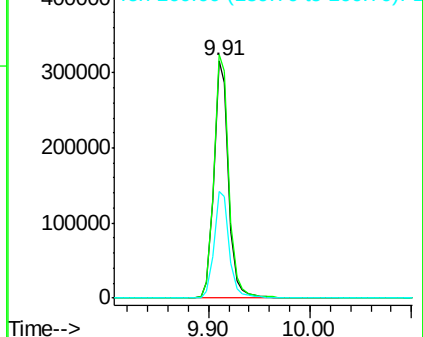
164 100

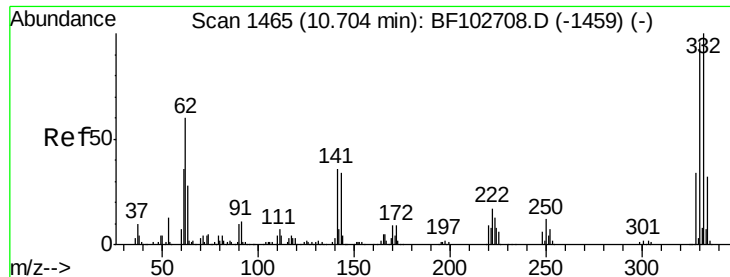
162 102.6 86.1 129.1

160 44.7 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

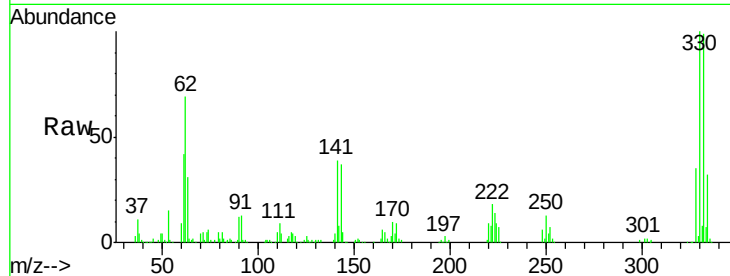




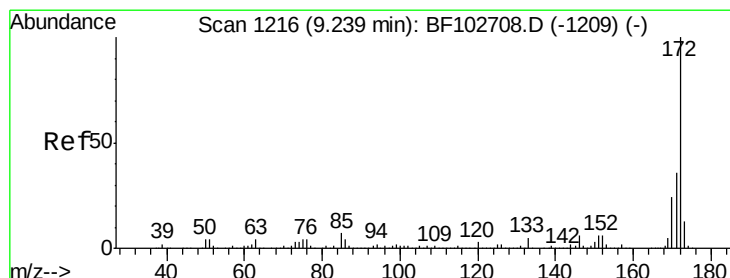
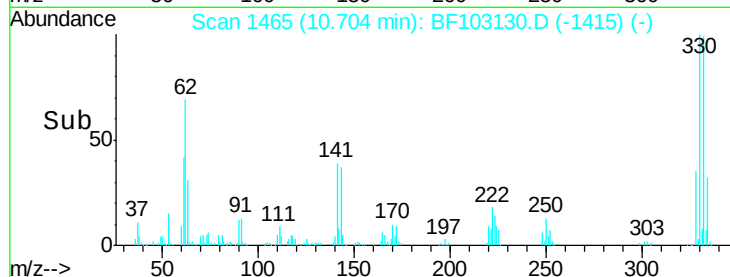
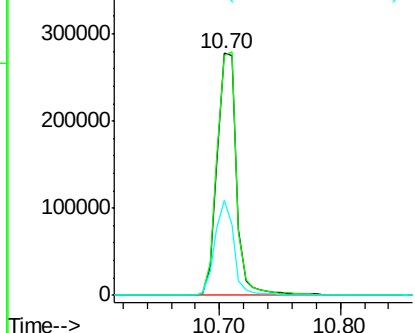
#41
 2,4,6-Tribromophenol
 Concen: 120.107 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.5	77.0	115.6
141	38.5	29.9	44.9

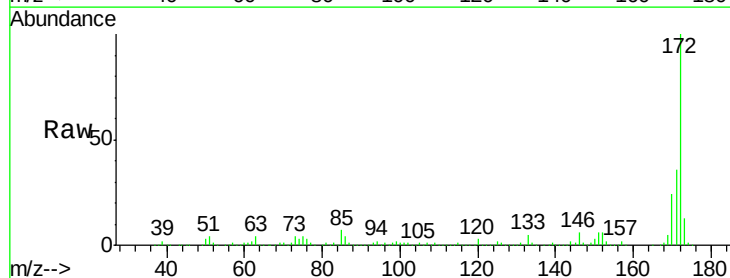


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

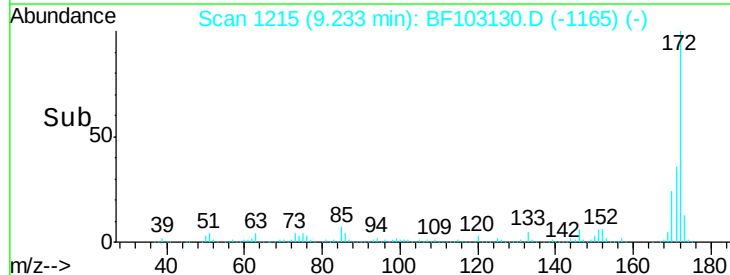
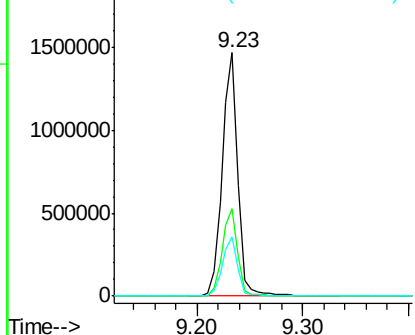


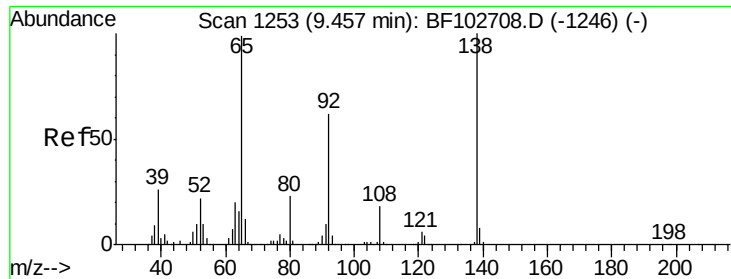
#44
 2-Fluorobiphenyl
 Concen: 78.869 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.3	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

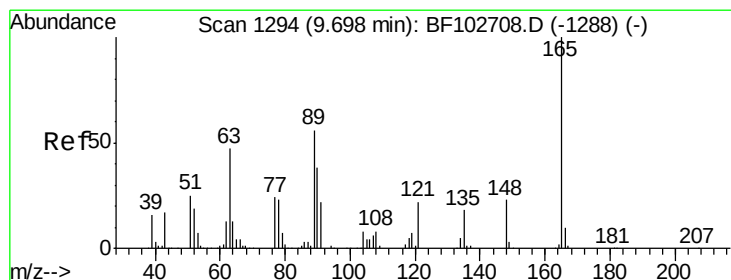
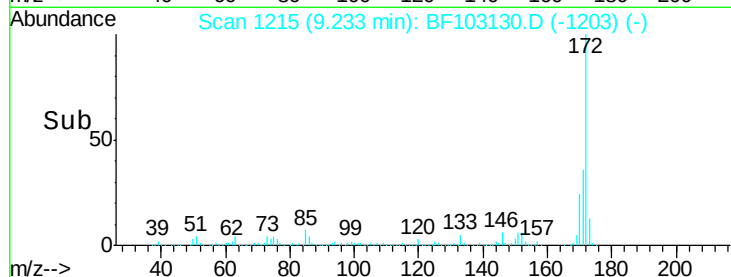
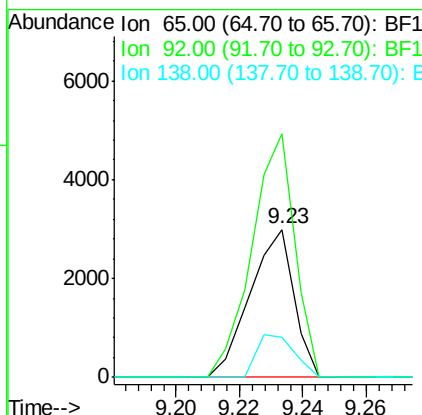
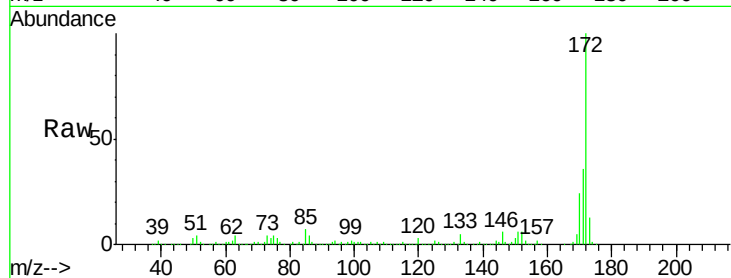




#47
 2-Nitroaniline
 Concen: 3.883 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.23 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

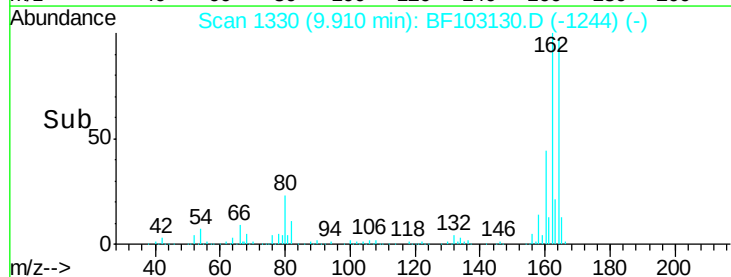
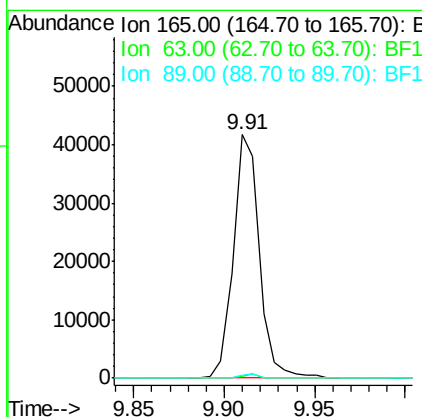
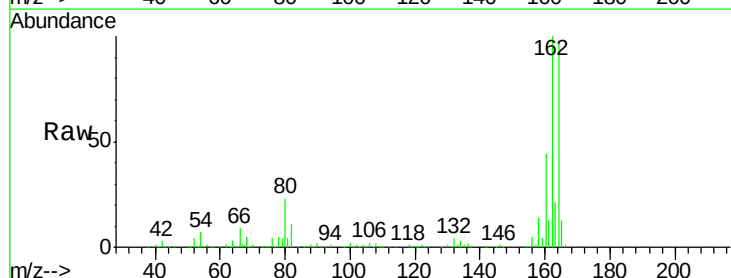
Instrument :
 BNA_F
 ClientSampleId :

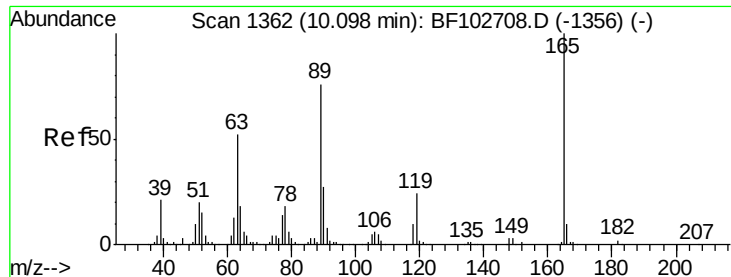
Tot Ion	65	Resp	2875
Ion Ratio	Lower	Upper	
65	100		
92	164.3	55.8	83.6#
138	27.4	91.2	136.8#



#50
 2,6-Dinitrotoluene
 Concen: 8.836 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

Tgt Ion	165	Resp	41616
Ion Ratio	Lower	Upper	
165	100		
63	0.9	44.7	67.1#
89	1.3	44.0	66.0#

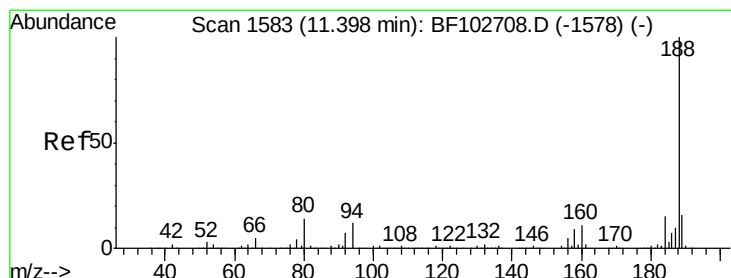
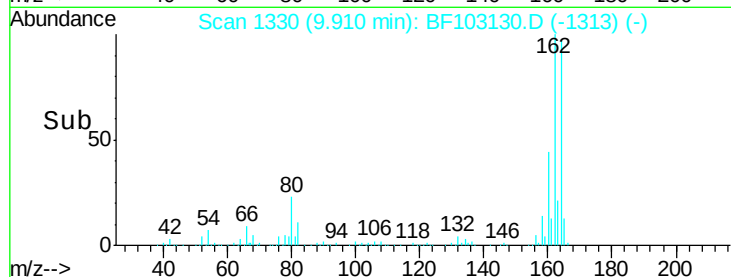
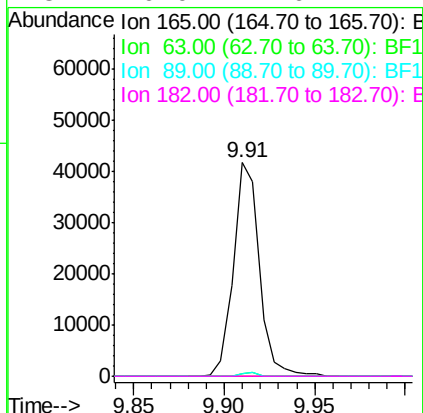
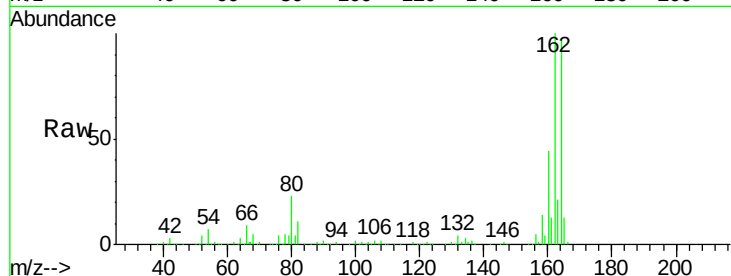




#56
 2,4-Dinitrotoluene
 Concen: 9.242 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

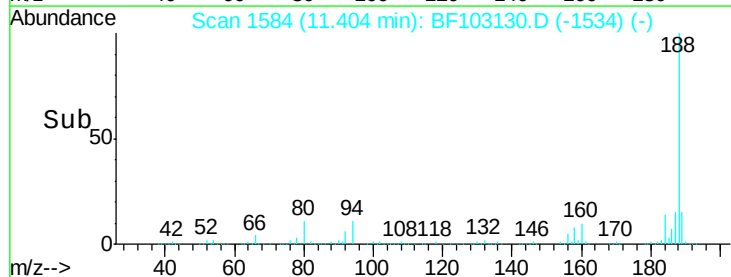
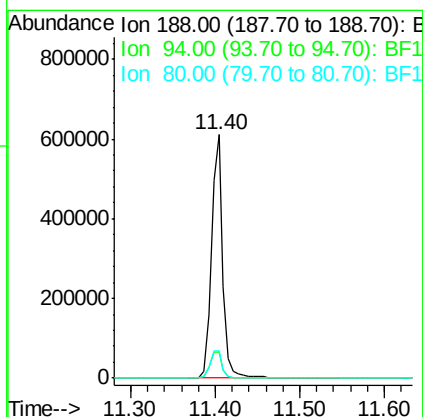
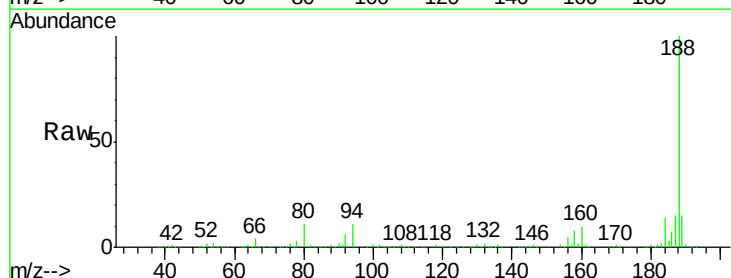
Instrument :
 BNA_F
 ClientSampleId :

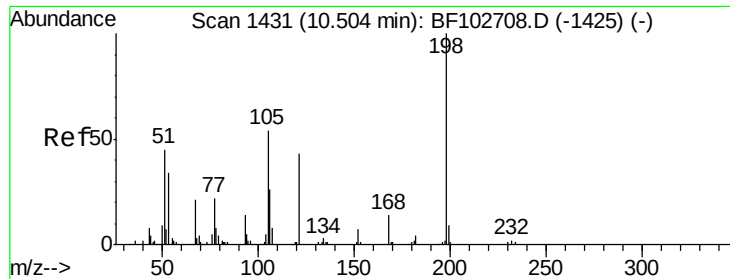
Tot Ion:165 Resp: 41616
 Ion Ratio Lower Upper
 165 100
 63 0.9 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

Tgt Ion:188 Resp: 571889
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.2 9.2 13.8

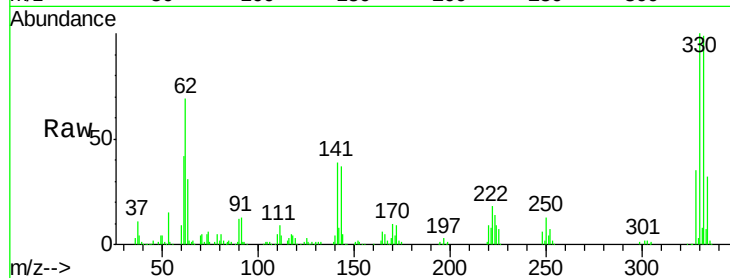




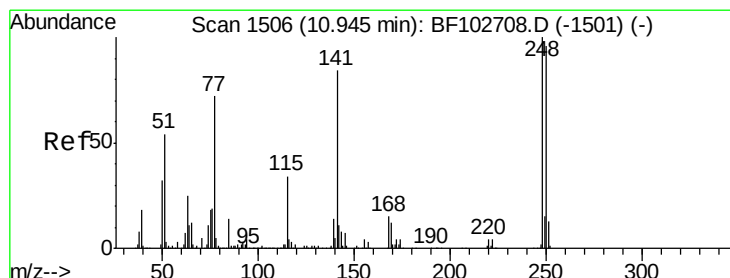
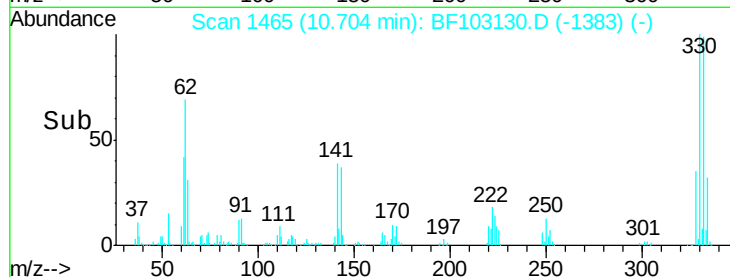
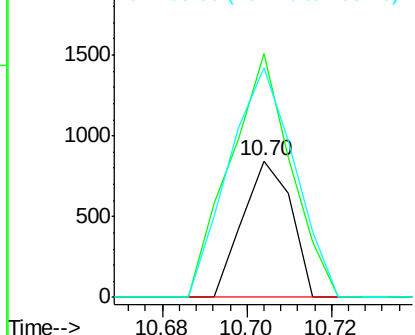
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.055 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 675
 Ion Ratio Lower Upper
 198 100
 51 178.5 37.7 77.7#
 105 168.3 36.3 76.3#

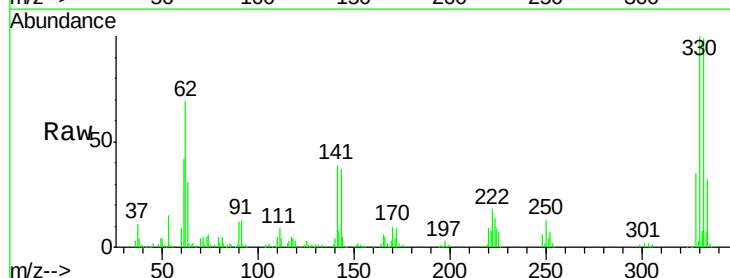


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

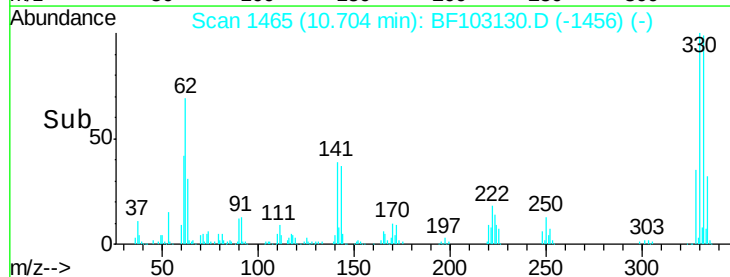
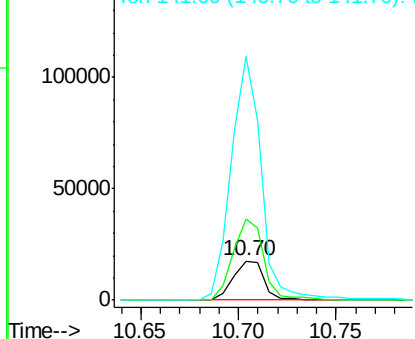


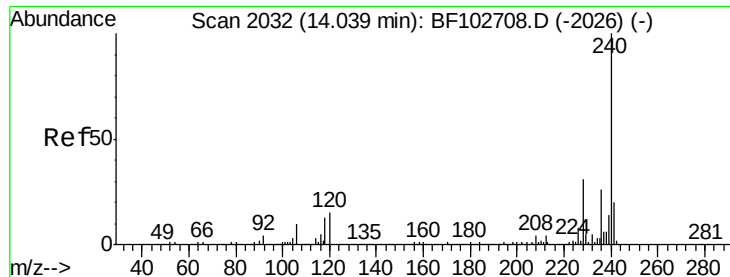
#66
 4-Bromophenyl-phenylether
 Concen: 3.221 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103130.D
 Acq: 21 Feb 2018 12:30

Tgt Ion:248 Resp: 19486
 Ion Ratio Lower Upper
 248 100
 250 209.6 76.9 115.3#
 141 627.8 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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103130.D

Acq: 21 Feb 2018 12:30

Instrument :

BNA_F

ClientSampleId :

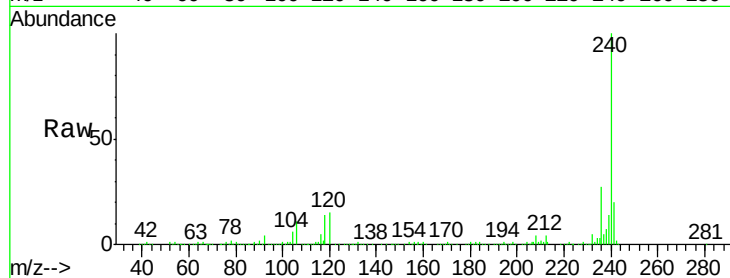
Tot Ion:240 Resp: 488712

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

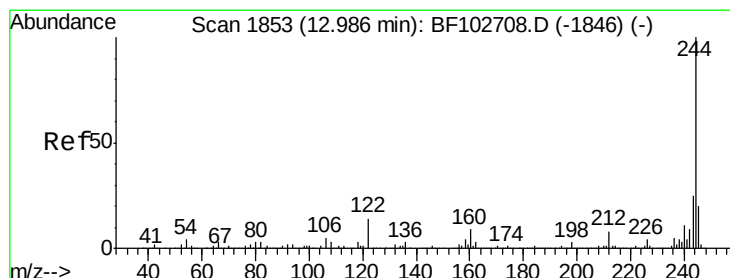
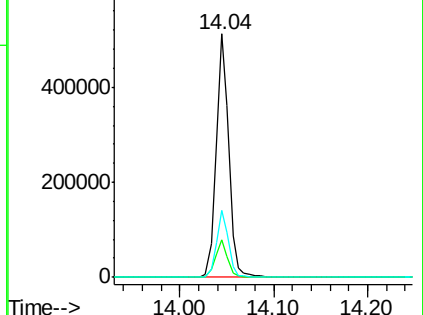
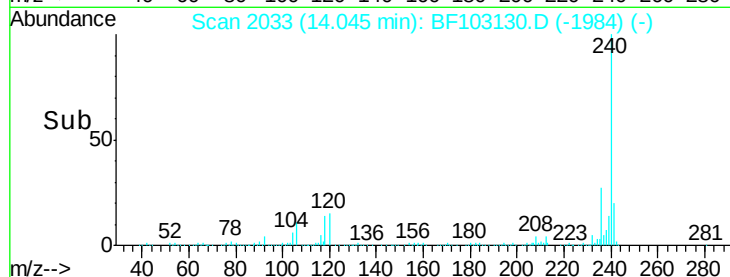
236 27.5 20.7 31.1



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: 71.486 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103130.D

Acq: 21 Feb 2018 12:30

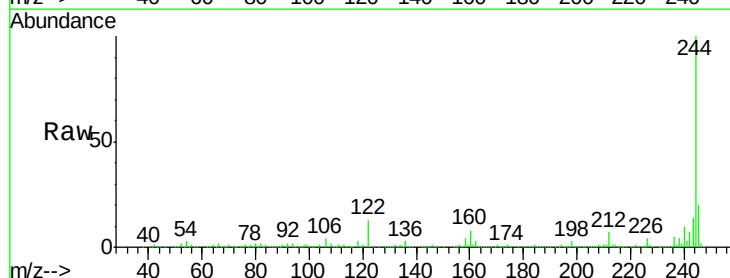
Tgt Ion:244 Resp: 1475490

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

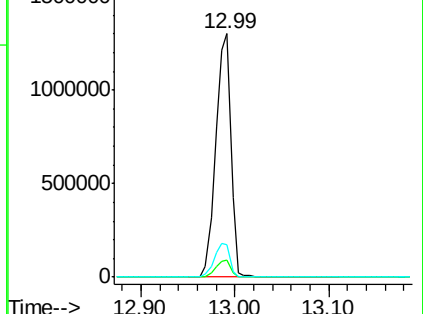
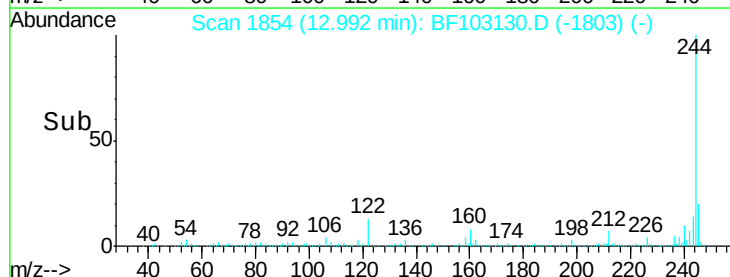
122 13.3 11.0 16.4

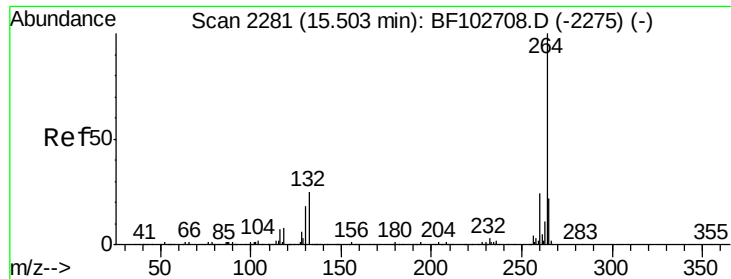


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

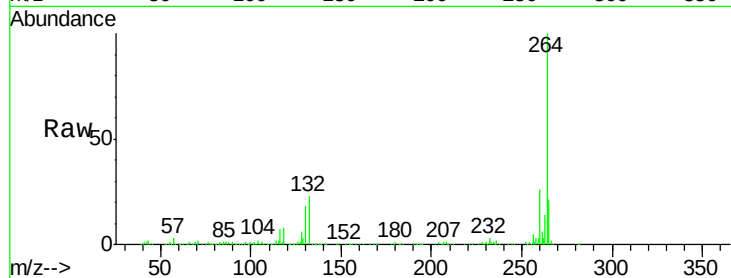




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103130.D
Acq: 21 Feb 2018 12:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.2	28.8
265	21.4	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

