

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103905.D
 Acq On : 24 Mar 2018 3:07
 Operator : JU/SJ
 Sample : J2014-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 05:14:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

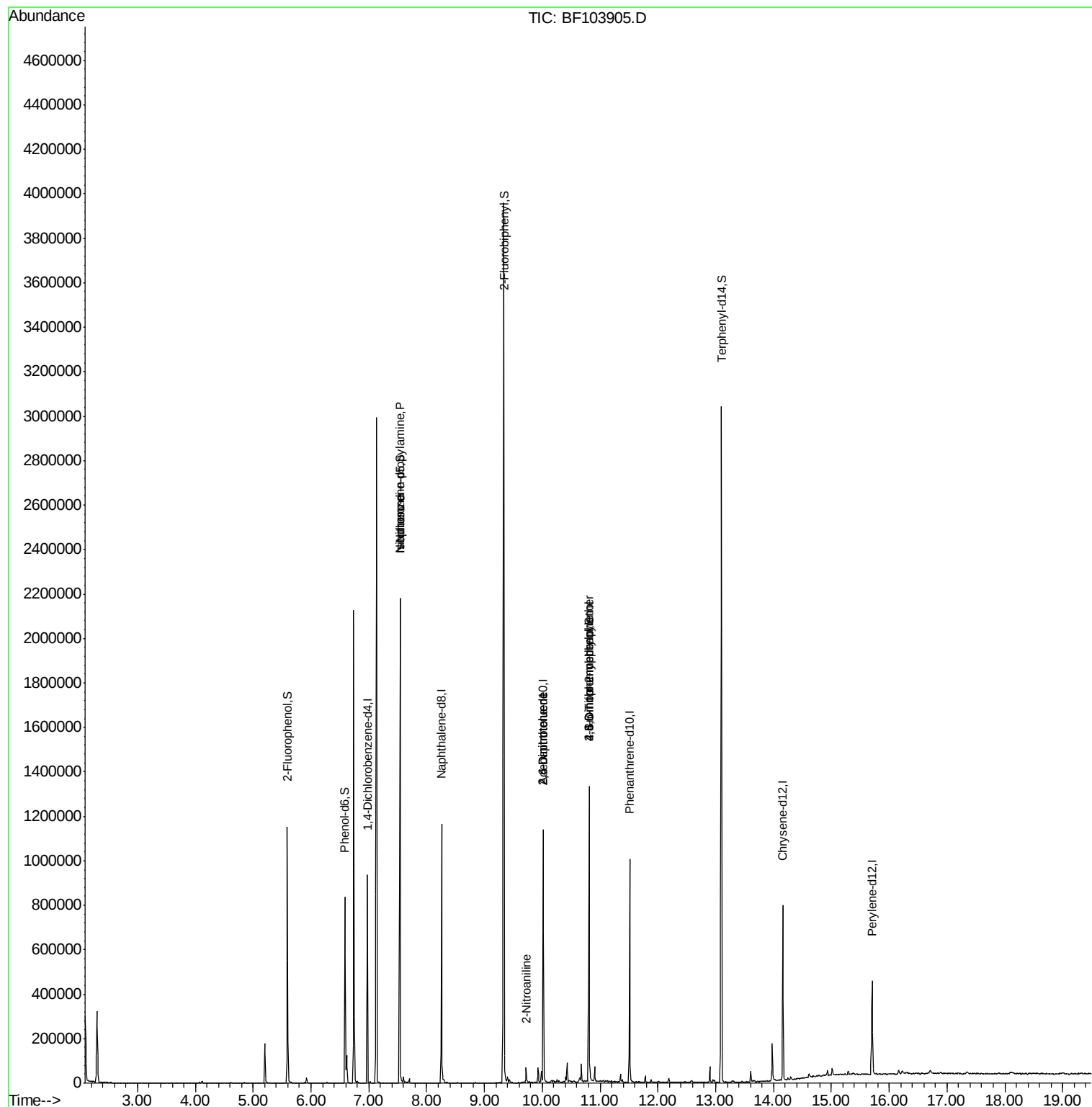
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	128271	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	507506	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	212452	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	330400	20.00	ng	0.00
75) Chrysene-d12	14.16	240	255409	20.00	ng	0.00
86) Perylene-d12	15.70	264	191732	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	328118	38.91	ng	0.00
7) Phenol-d6	6.59	99	265167	25.70	ng	-0.01
23) Nitrobenzene-d5	7.54	82	722839	99.32	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	176777	96.78	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1293632	97.13	ng	0.00
78) Terphenyl-d14	13.10	244	1014475	92.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	94254	14.254	ng	# 72
25) Isophorone	7.54	82	722832	42.906	ng	# 64
47) 2-Nitroaniline	9.72	65	110	6.840	ng	# 1
50) 2,6-Dinitrotoluene	10.02	165	26831	11.831	ng	# 25
56) 2,4-Dinitrotoluene	10.02	165	26831	12.094	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	341	8.426	ng	# 2
66) 4-Bromophenyl-phenylether	10.81	248	10915	3.218	ng	# 1

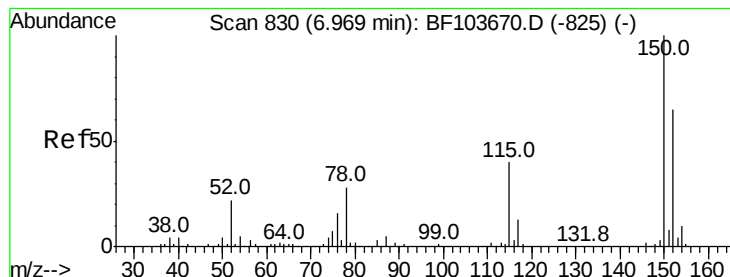
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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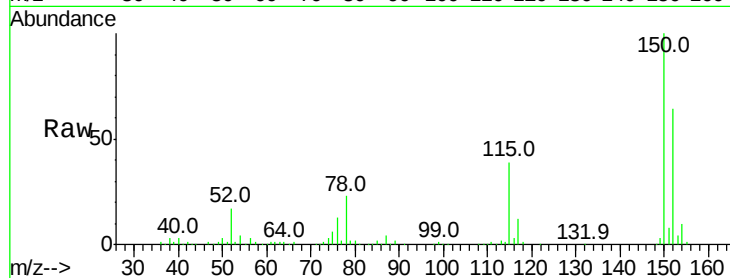


#1

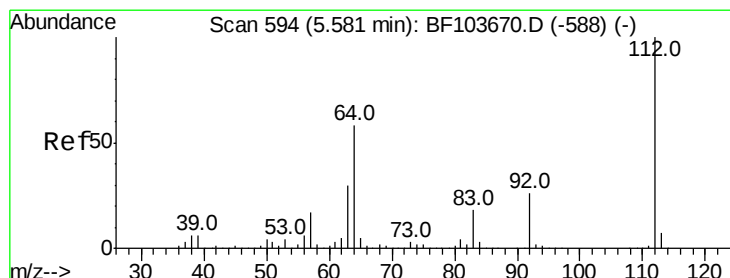
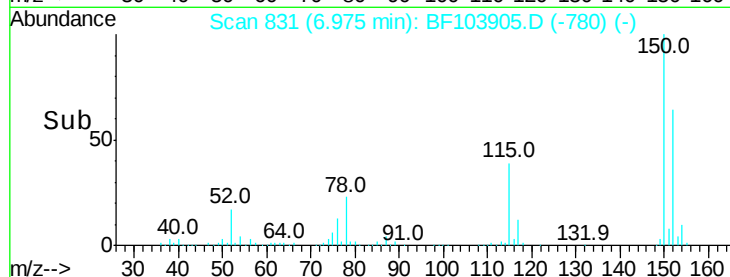
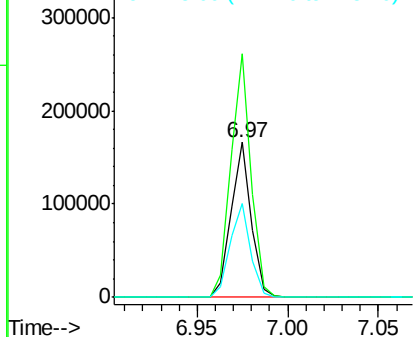
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103905.D
Acq: 24 Mar 2018 3:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128271
Ion Ratio Lower Upper
152 100
150 157.4 124.6 186.8
115 60.9 50.1 75.1



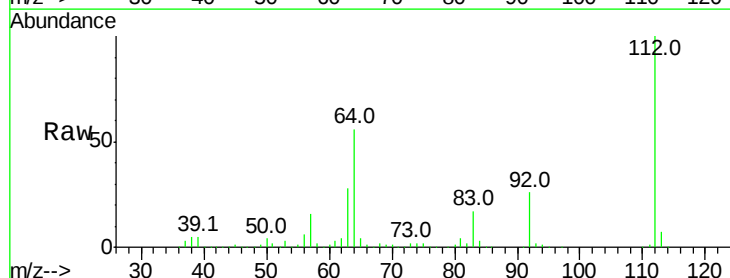
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



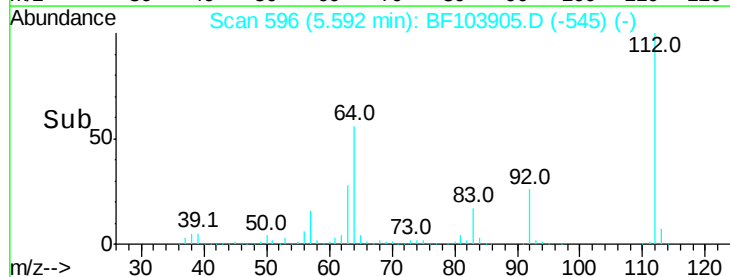
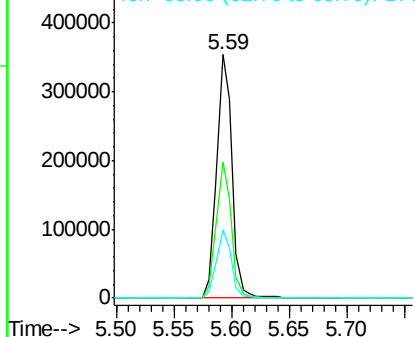
#5

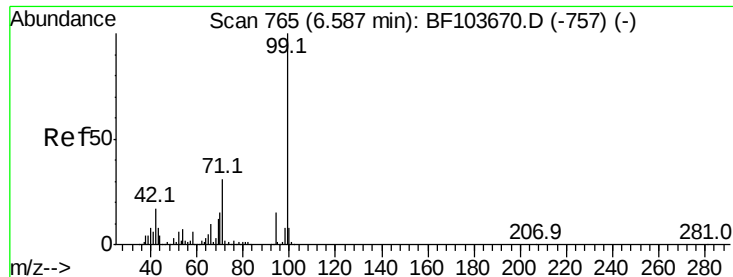
2-Fluorophenol
Concen: 38.907 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF103905.D
Acq: 24 Mar 2018 3:07

Tgt Ion:112 Resp: 328118
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.0 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: 25.700 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103905.D

Acq: 24 Mar 2018 3:07

Instrument :

BNA_F

ClientSampleId :

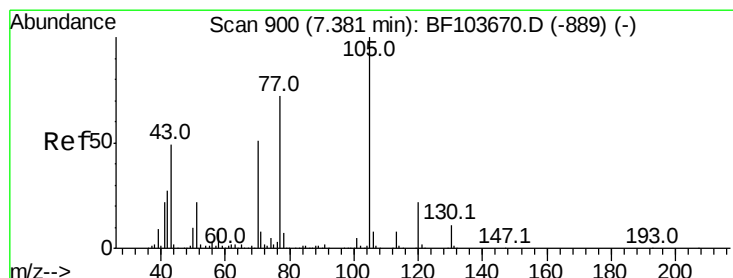
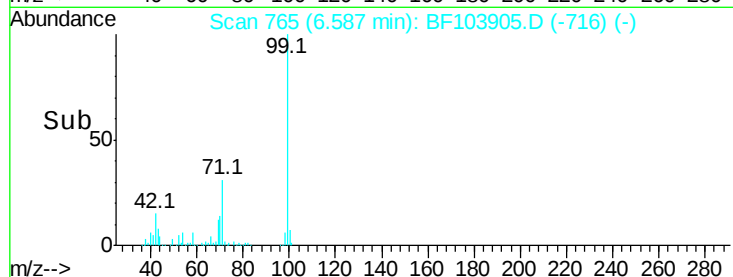
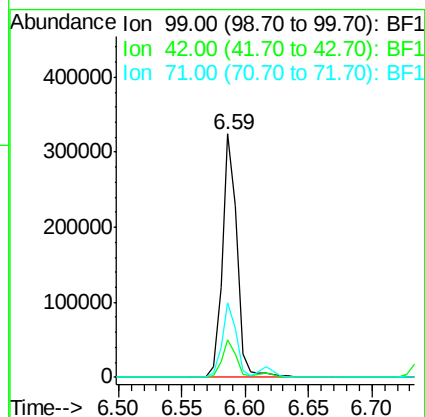
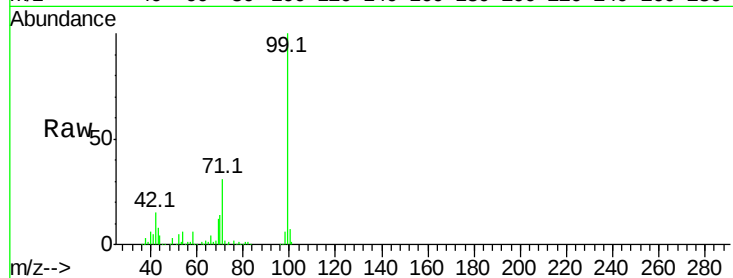
Tot Ion: 99 Resp: 265167

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 30.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.254 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103905.D

Acq: 24 Mar 2018 3:07

Tgt Ion: 70 Resp: 94254

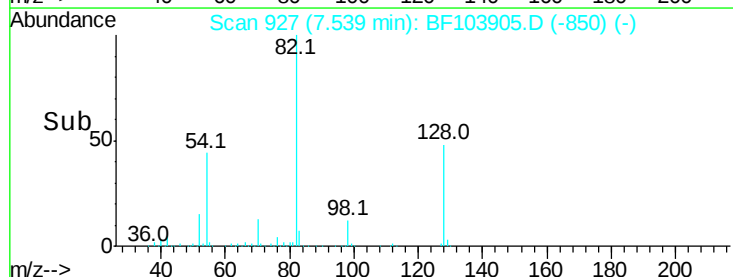
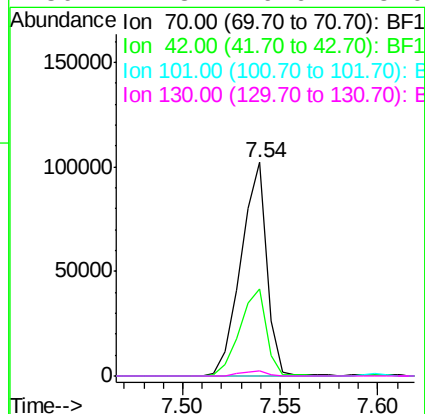
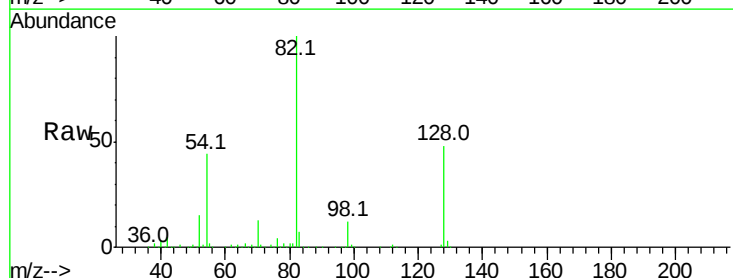
Ion Ratio Lower Upper

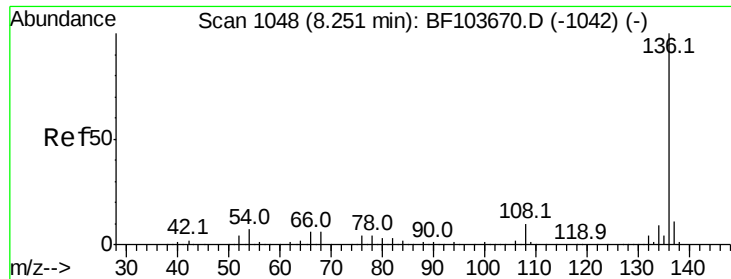
70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

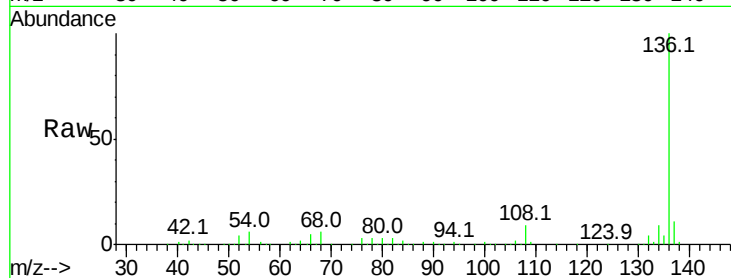




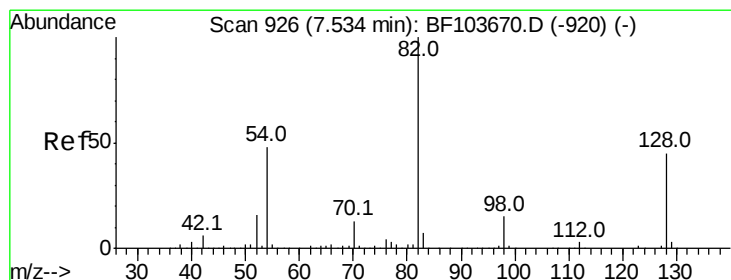
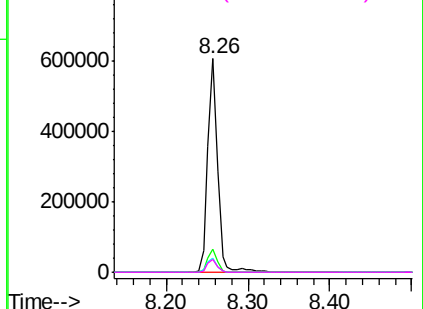
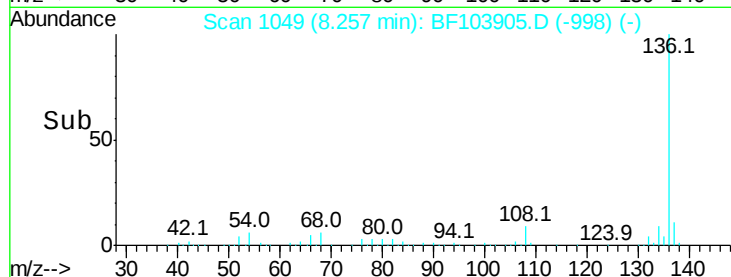
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103905.D
Acq: 24 Mar 2018 3:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	507506
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.5	6.6	9.8#
68	5.8	5.0	7.4

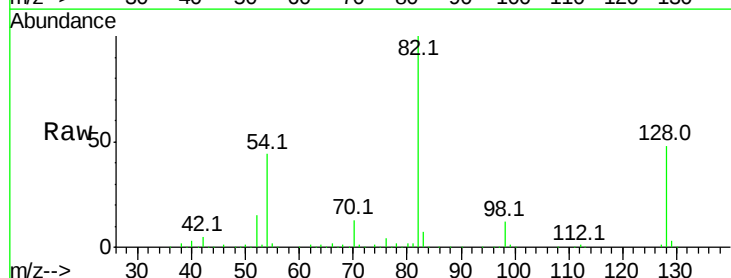


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

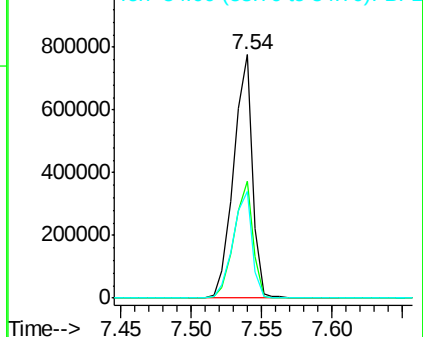
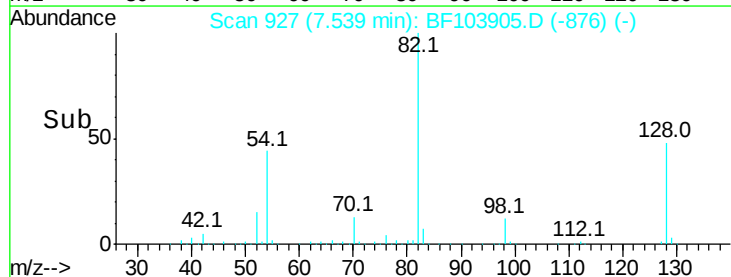


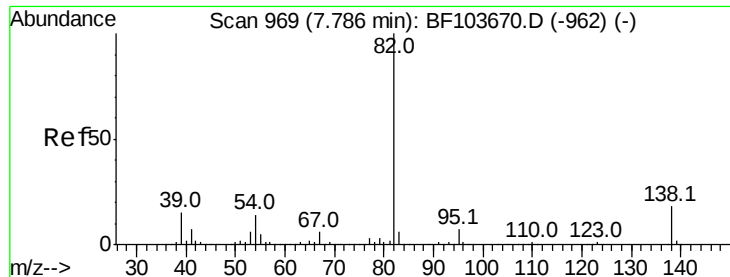
#23
Nitrobenzene-d5
Concen: 99.325 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103905.D
Acq: 24 Mar 2018 3:07

Tgt Ion:	82	Resp:	722839
Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.1	54.1
54	43.8	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: 42.906 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103905.D

Acq: 24 Mar 2018 3:07

Instrument :

BNA_F

ClientSampleId :

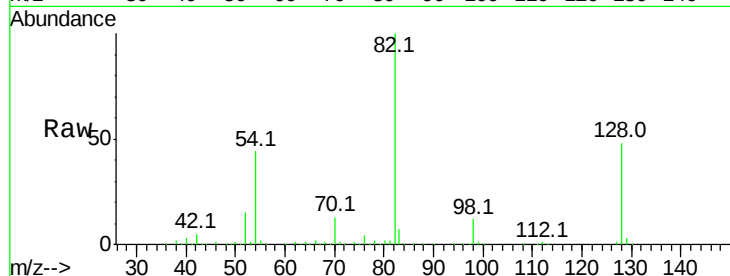
Tot Ion: 82 Resp: 722832

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

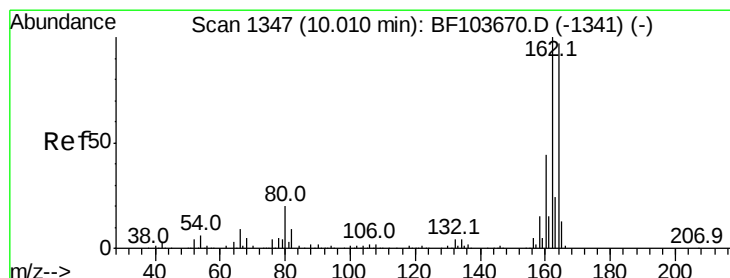
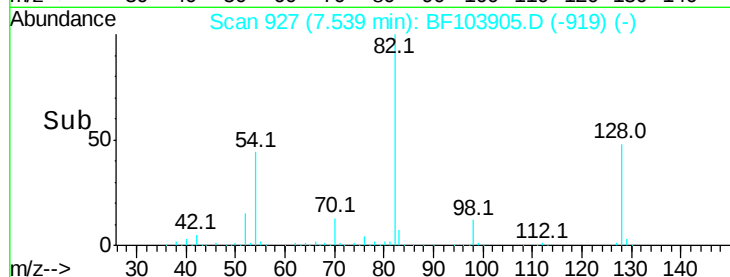
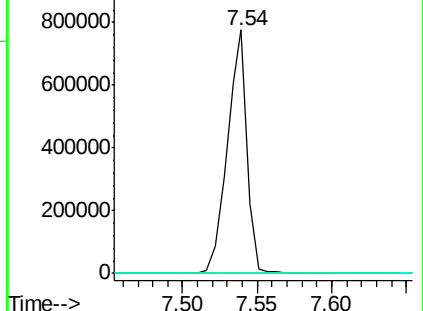
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF103905.D

Acq: 24 Mar 2018 3:07

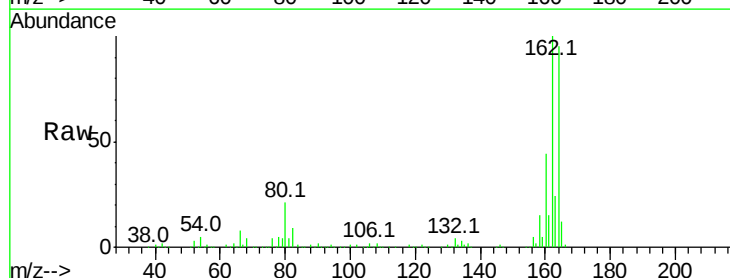
Tgt Ion:164 Resp: 212452

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

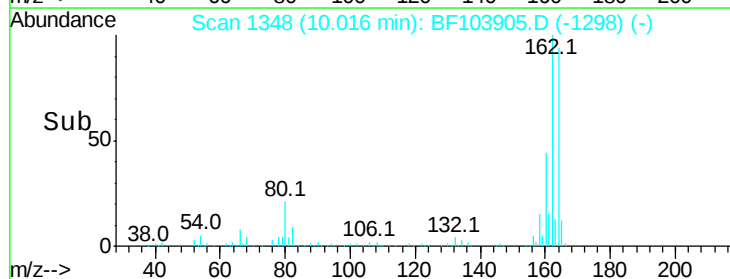
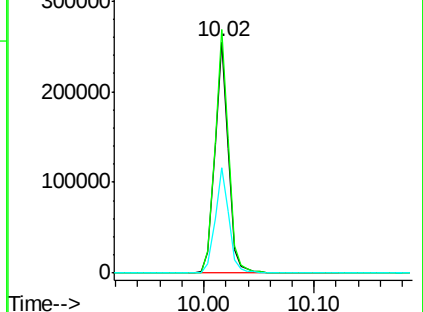
160 45.9 38.3 57.5

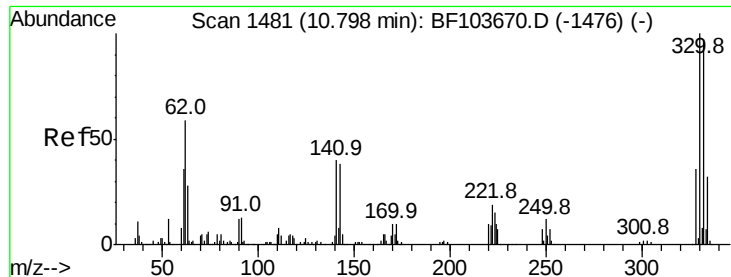


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

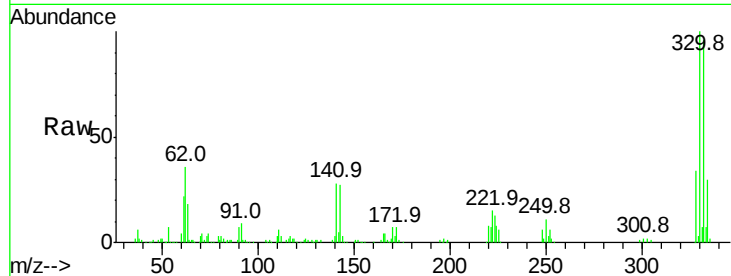




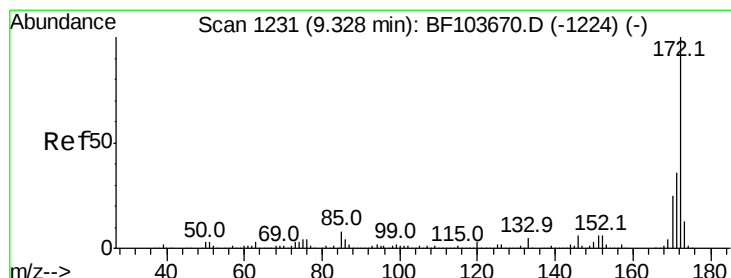
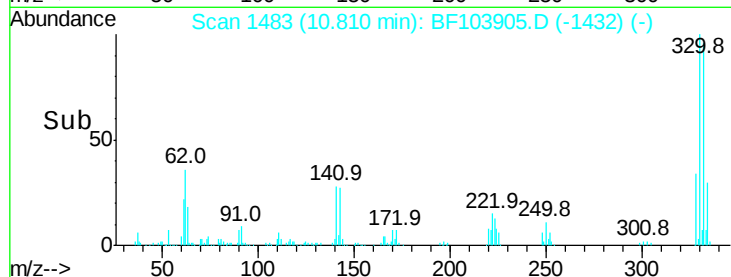
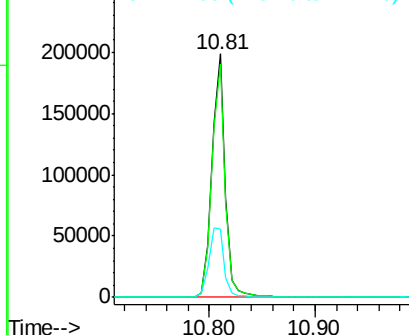
#41
 2,4,6-Tribromophenol
 Concen: 96.775 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 176777
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 32.5 29.9 44.9

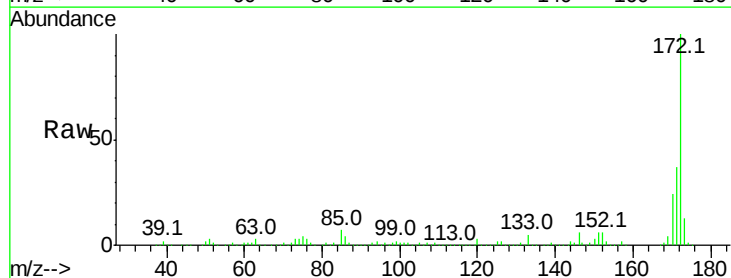


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

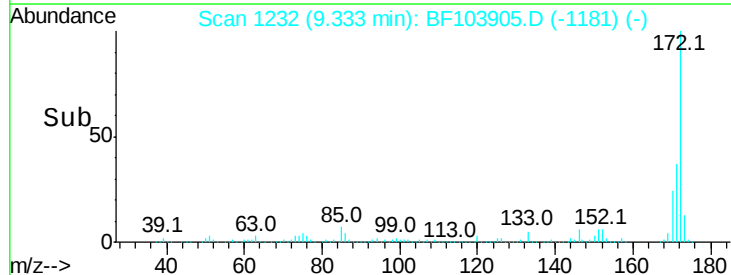
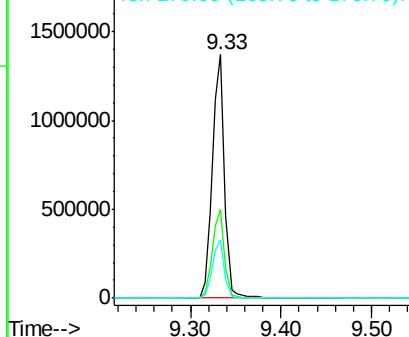


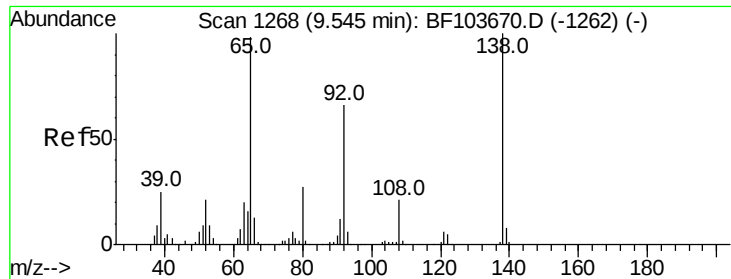
#44
 2-Fluorobiphenyl
 Concen: 97.130 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Tgt Ion:172 Resp: 1293632
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 23.7 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

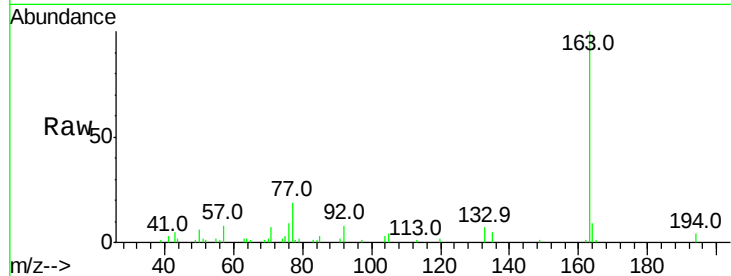




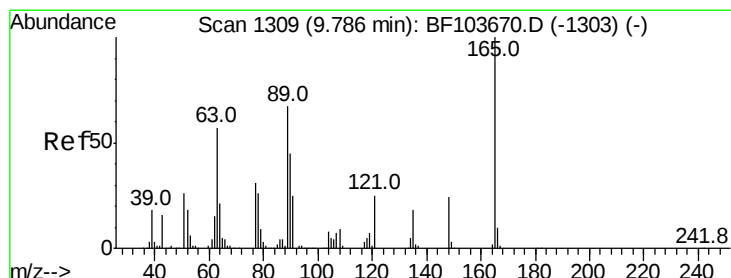
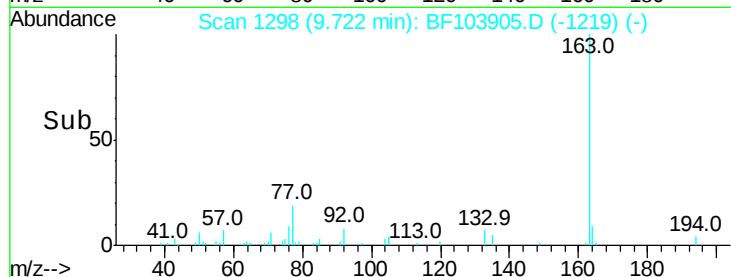
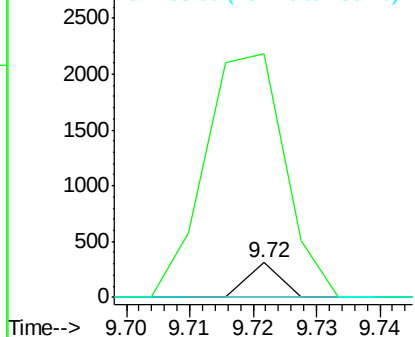
#47
2-Nitroaniline
Concen: 6.840 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.16 min
Lab File: BF103905.D
Acq: 24 Mar 2018 3:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 110
Ion Ratio Lower Upper
65 100
92 701.6 55.8 83.6#
138 0.0 91.2 136.8#

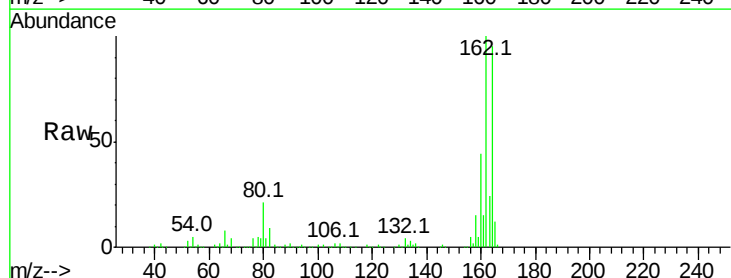


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

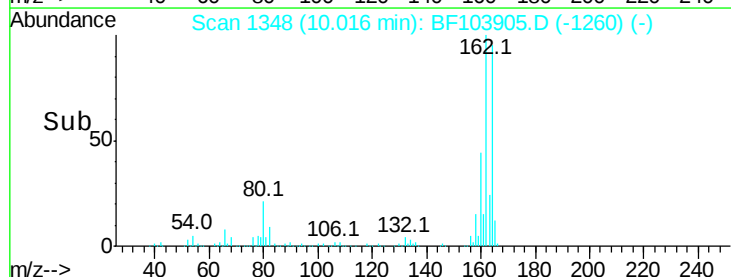
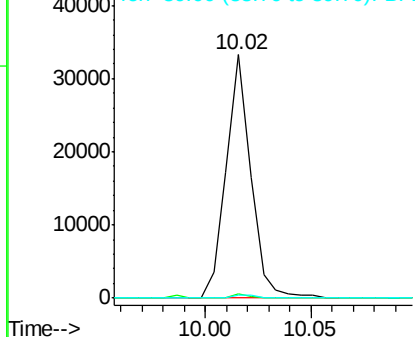


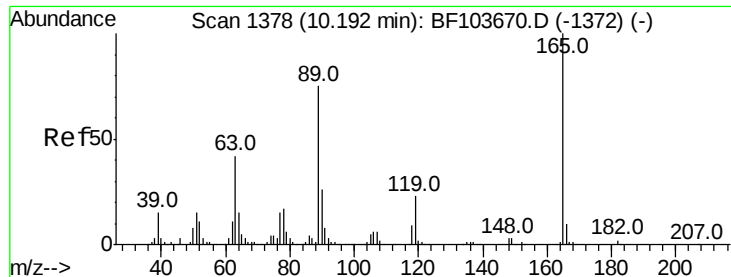
#50
2,6-Dinitrotoluene
Concen: 11.831 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.22 min
Lab File: BF103905.D
Acq: 24 Mar 2018 3:07

Tgt Ion:165 Resp: 26831
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.0 44.0 66.0#



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

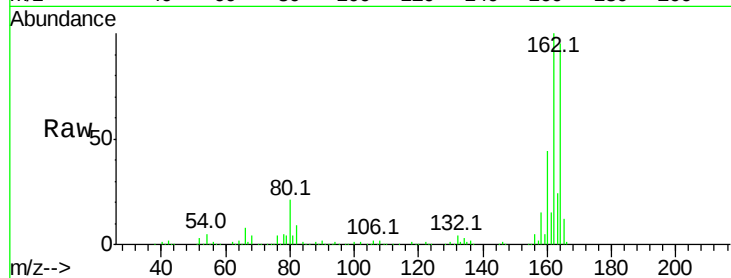




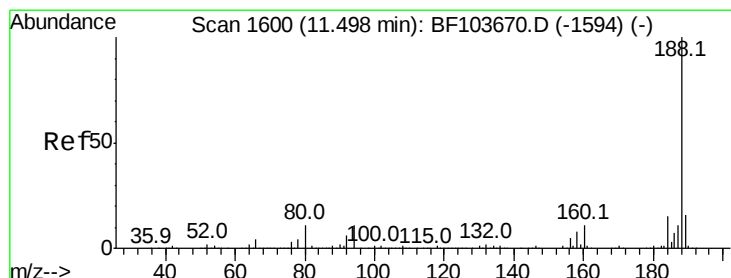
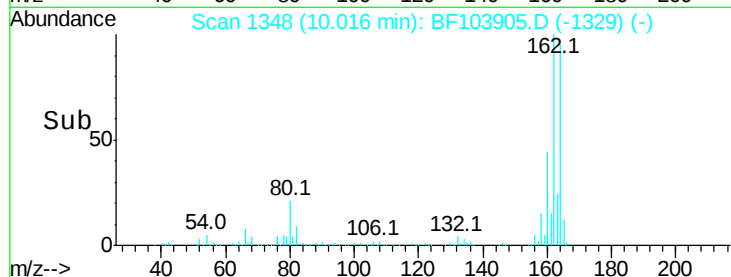
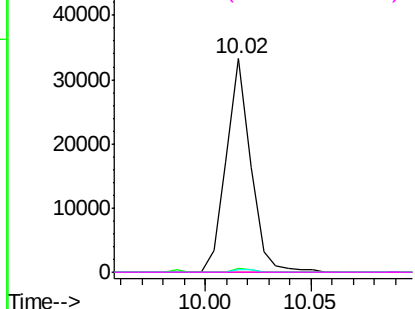
#56
 2,4-Dinitrotoluene
 Concen: 12.094 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.19 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 26831
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.0 57.8 86.6#
 182 0.0 1.6 2.4#

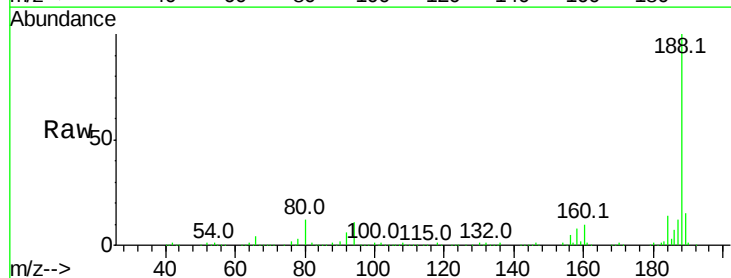


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

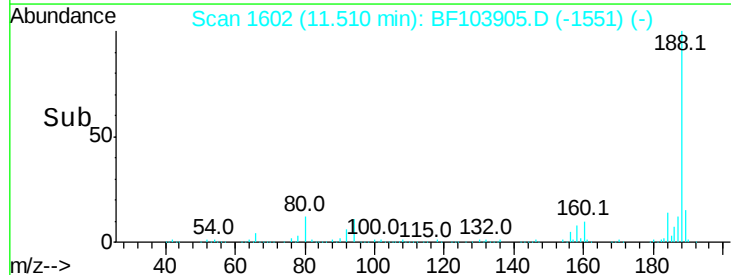
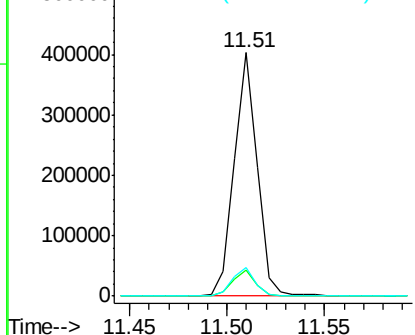


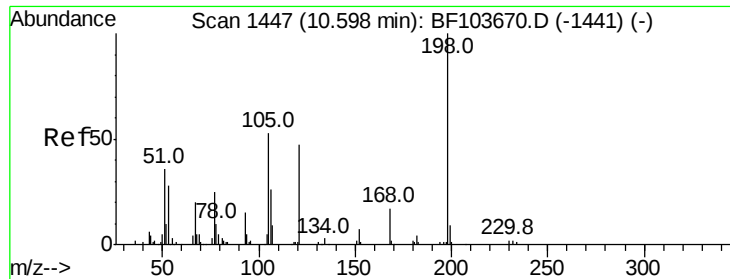
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Tgt Ion:188 Resp: 330400
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.6 9.2 13.8



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

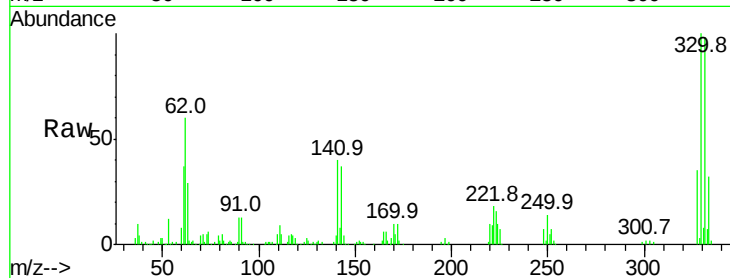




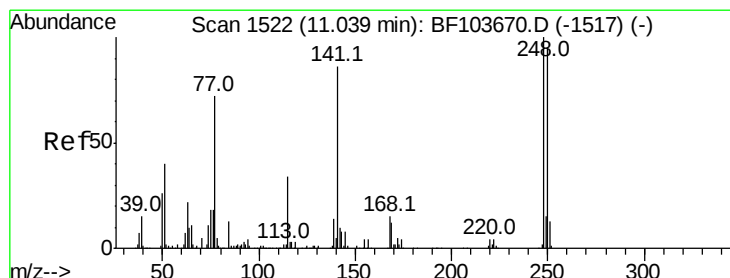
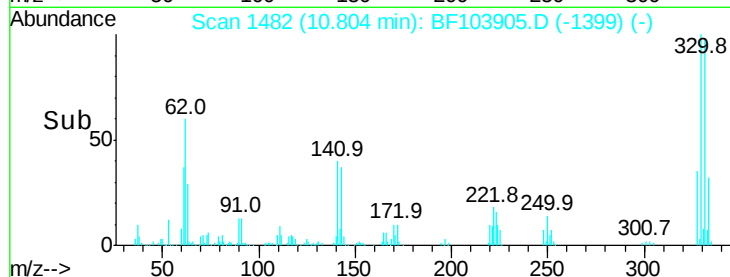
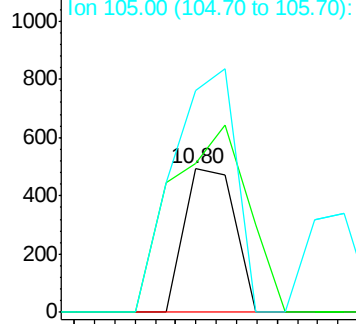
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.426 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.19 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 341
 Ion Ratio Lower Upper
 198 100
 51 104.3 37.7 77.7#
 105 154.9 36.3 76.3#

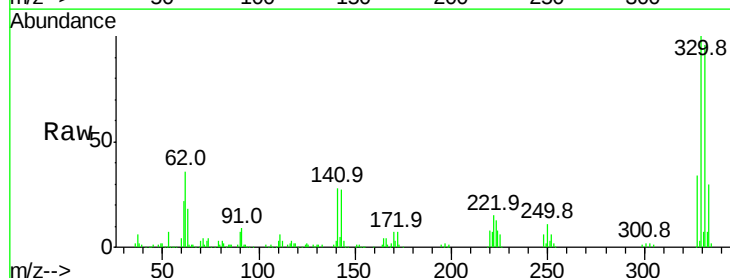


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

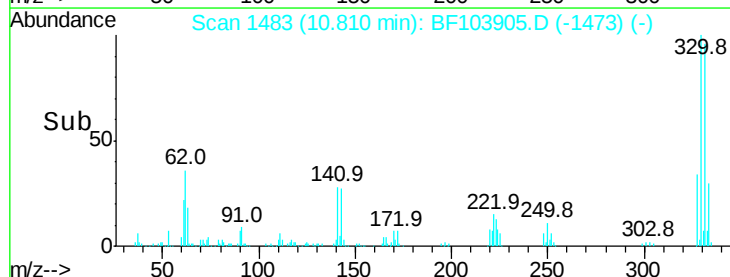
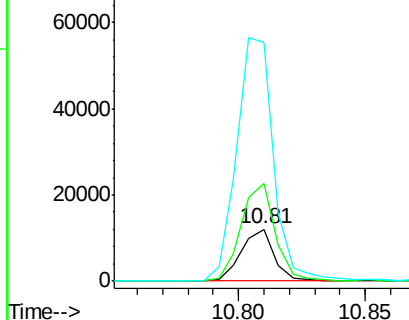


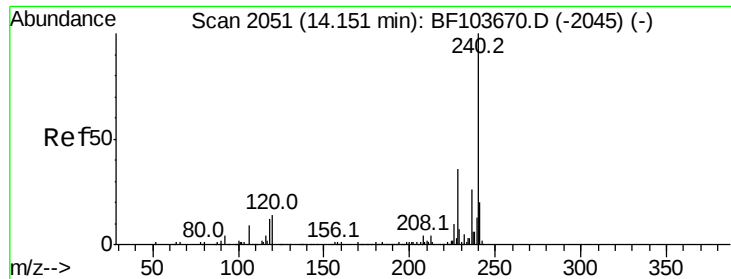
#66
 4-Bromophenyl-phenylether
 Concen: 3.218 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.24 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Tgt Ion:248 Resp: 10915
 Ion Ratio Lower Upper
 248 100
 250 188.9 76.9 115.3#
 141 458.1 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

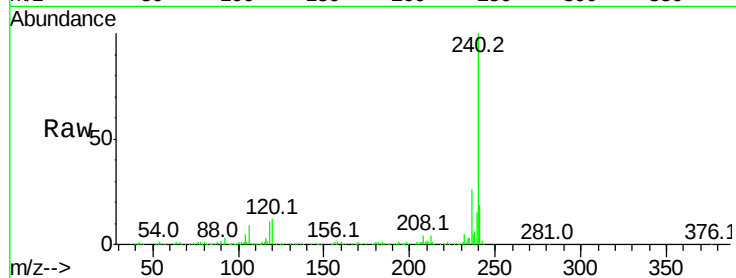




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 255409
 Ion Ratio Lower Upper
 240 100
 120 12.0 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

14.16

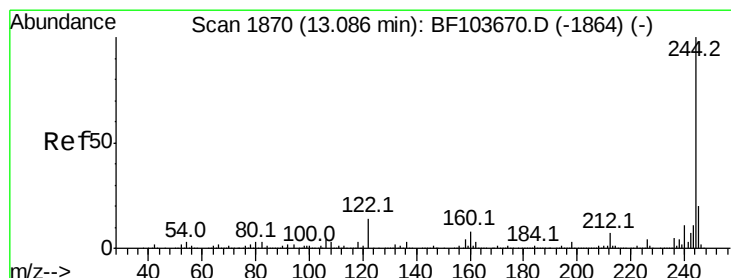
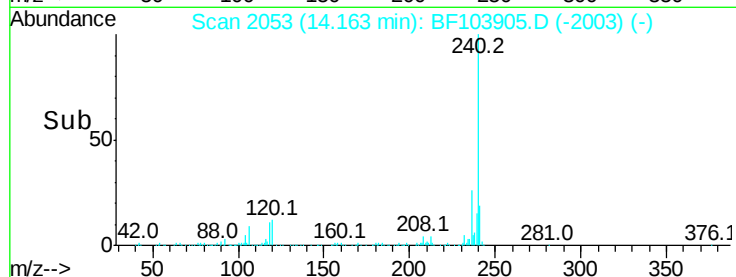
300000

200000

100000

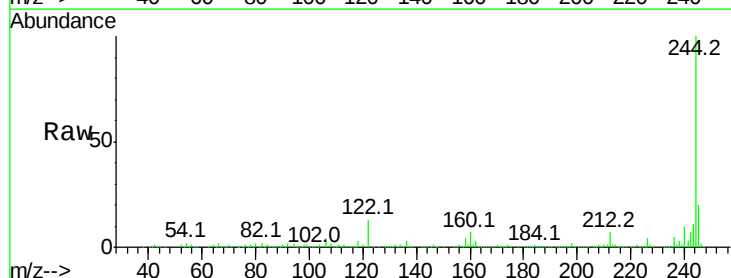
0

Time--> 14.10 14.20



#78
 Terphenyl-d14
 Concen: 92.195 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103905.D
 Acq: 24 Mar 2018 3:07

Tgt Ion:244 Resp: 1014475
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 13.2 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

13.10

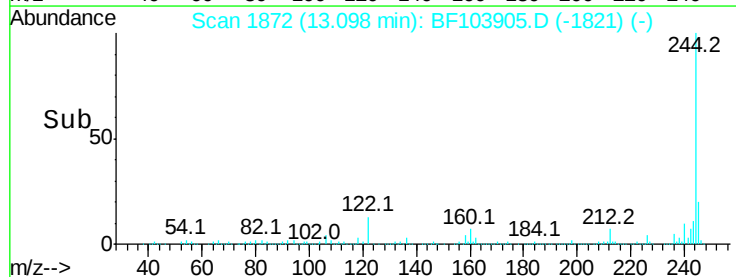
1500000

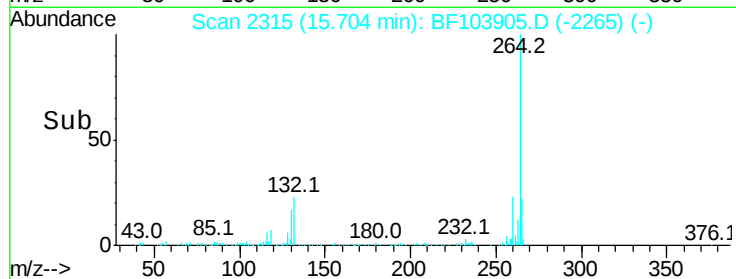
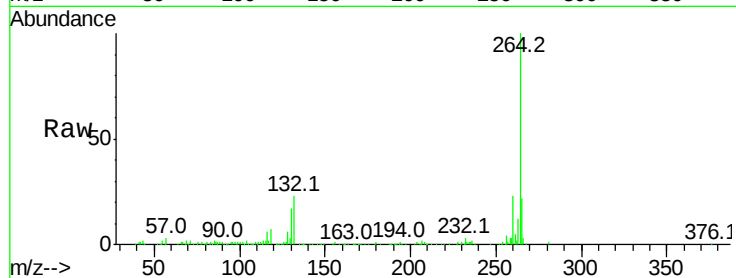
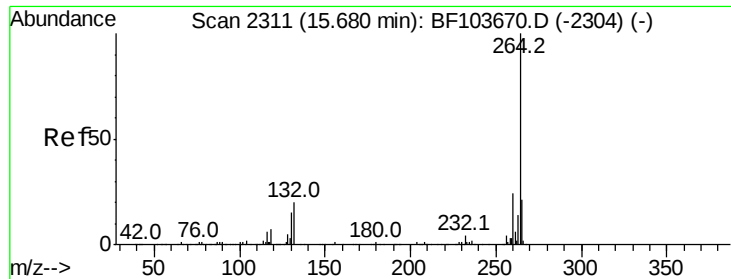
1000000

500000

0

Time--> 13.00 13.10 13.20





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BF103905.D

Acq: 24 Mar 2018 3:07

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 191732

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.7 17.5 26.3

