

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101578.D
 Acq On : 20 Dec 2017 20:00
 Operator : SJ/JU
 Sample : I6981-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Quant Time: Dec 21 04:07:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

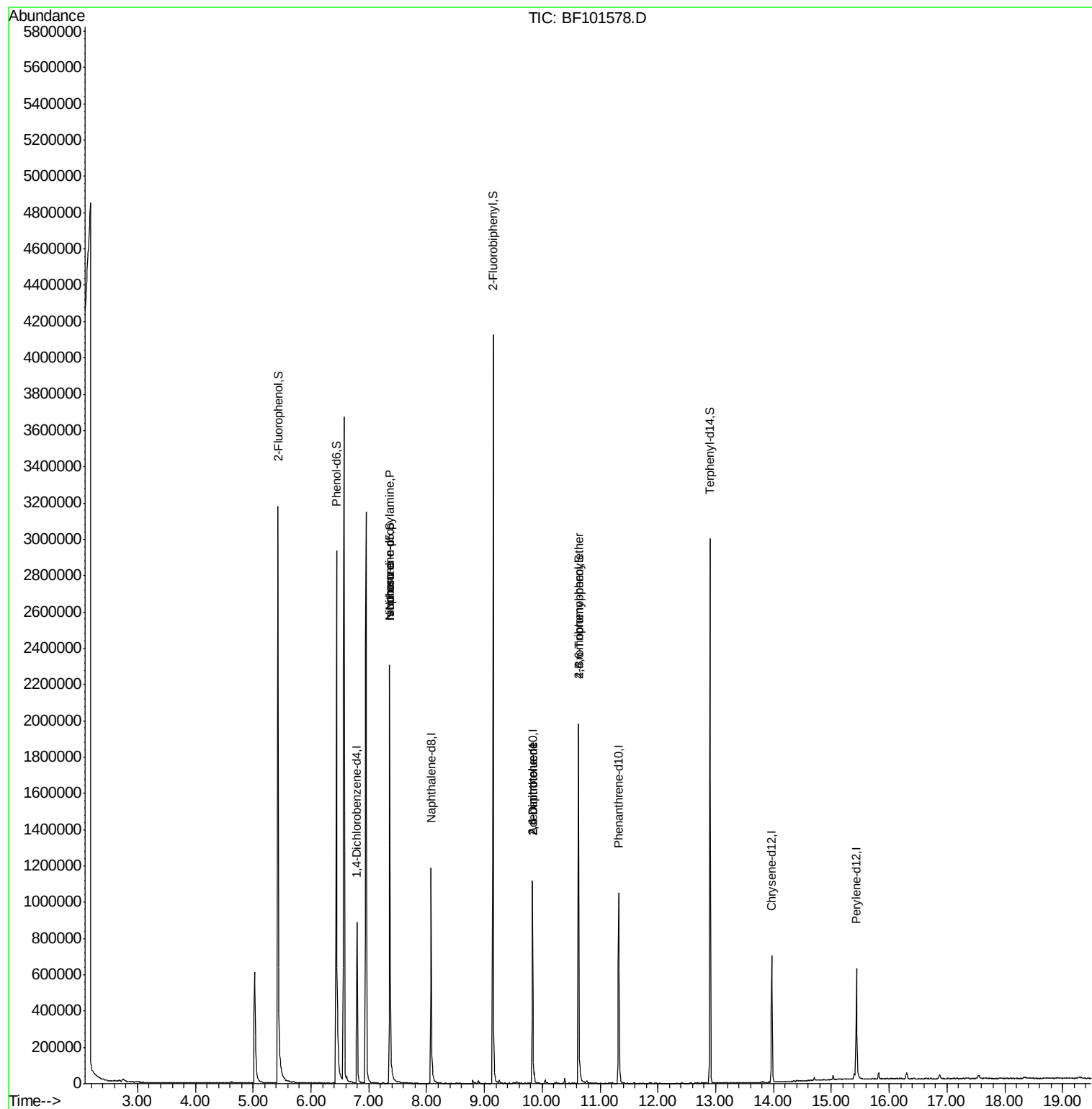
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	148127	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	587601	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	242718	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	388510	20.00	ng	0.00
75) Chrysene-d12	13.97	240	262240	20.00	ng	0.00
86) Perylene-d12	15.43	264	318199	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1107762	111.40	ng	0.02
7) Phenol-d6	6.44	99	1234837	99.78	ng	0.00
23) Nitrobenzene-d5	7.36	82	932092	88.30	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	269394	115.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1415897	90.49	ng	0.00
78) Terphenyl-d14	12.90	244	1025149	94.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	124424	15.309	ng	# 83
25) Isophorone	7.36	82	932092	44.017	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	30692	7.735	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	30692	6.865	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	17138	3.926	ng	# 1

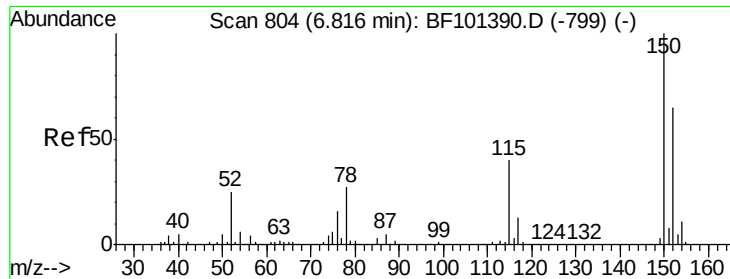
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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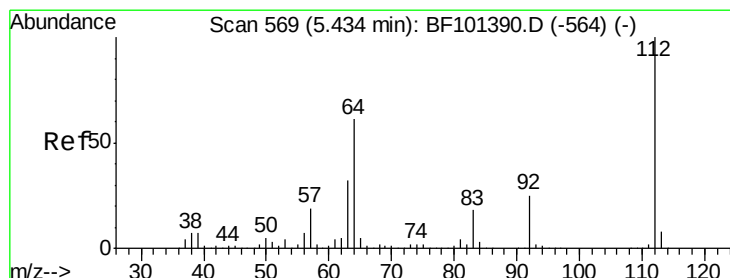
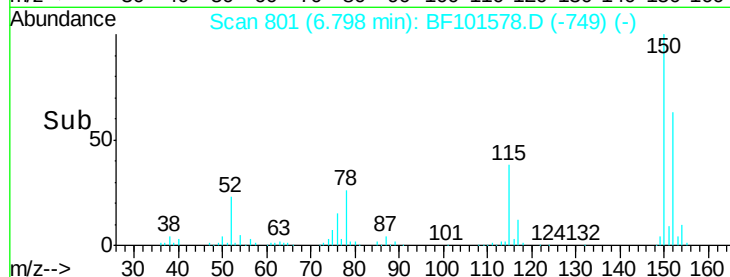
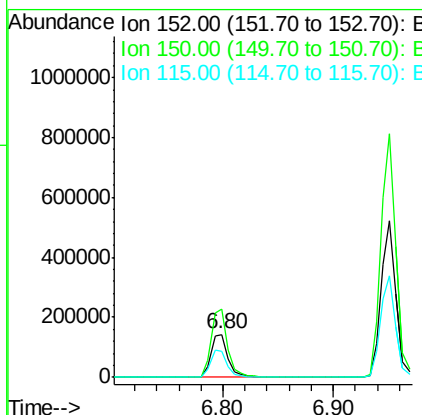
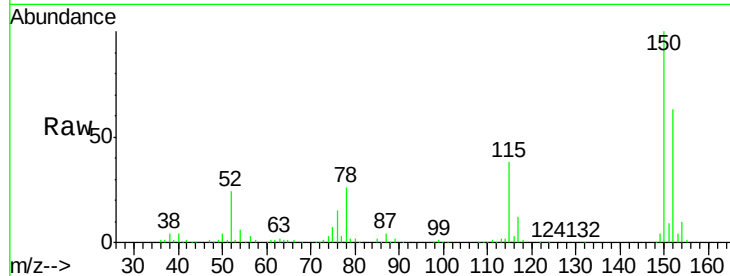


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101578.D
Acq: 20 Dec 2017 20:00

Instrument :
BNA_F
ClientSampleId :
PHMHB-WCS

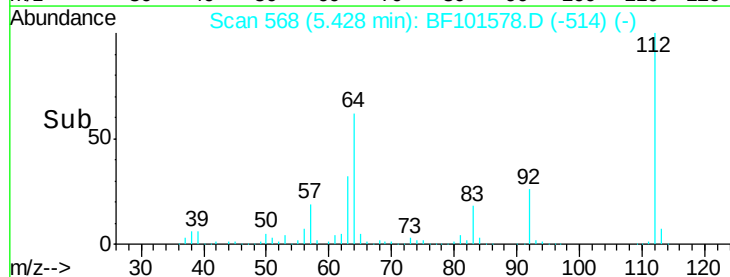
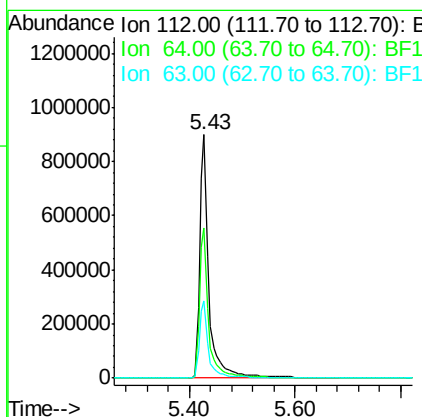
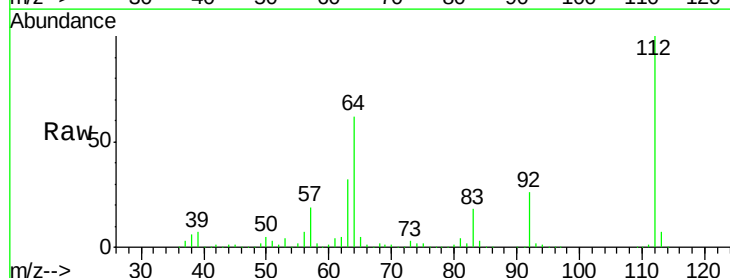
Tot Ion:152 Resp: 148127
Ion Ratio Lower Upper
152 100
150 158.2 124.6 186.8
115 59.5 50.1 75.1

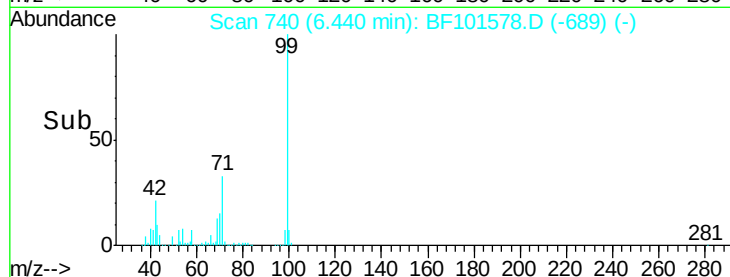
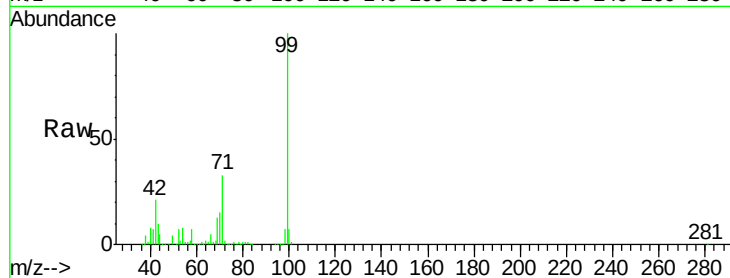
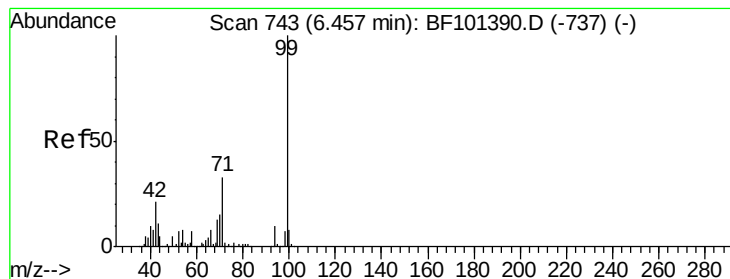


#5

2-Fluorophenol
Concen: 111.398 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101578.D
Acq: 20 Dec 2017 20:00

Tgt Ion:112 Resp: 1107762
Ion Ratio Lower Upper
112 100
64 61.8 47.9 71.9
63 31.8 23.7 35.5





#7

Phenol-d6

Concen: 99.777 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

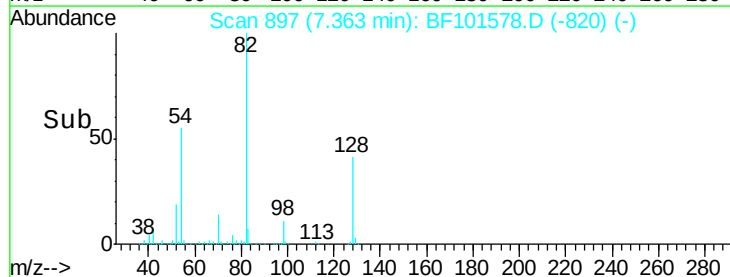
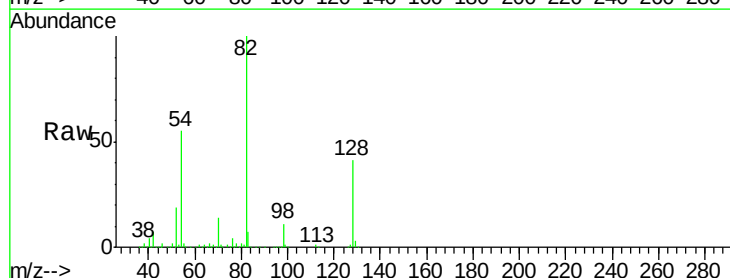
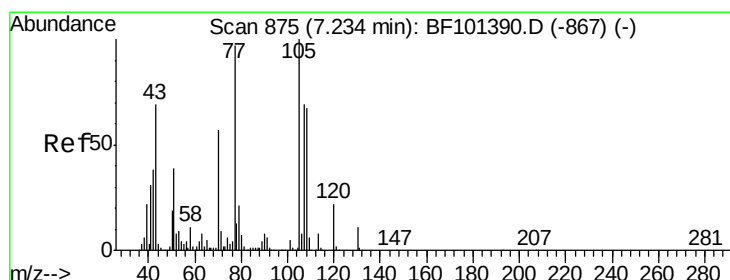
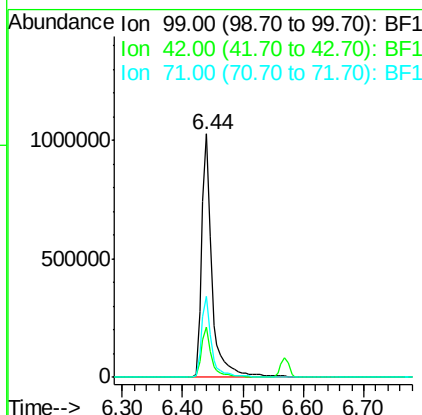
Tot Ion: 99 Resp: 1234837

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.309 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

Tgt Ion: 70 Resp: 124424

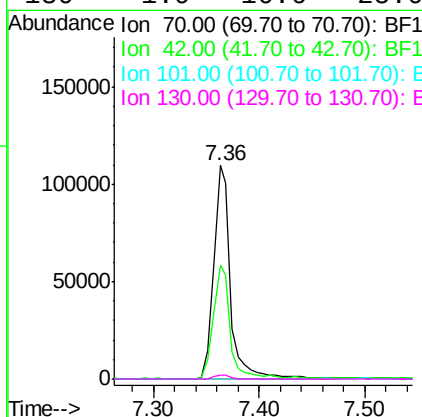
Ion Ratio Lower Upper

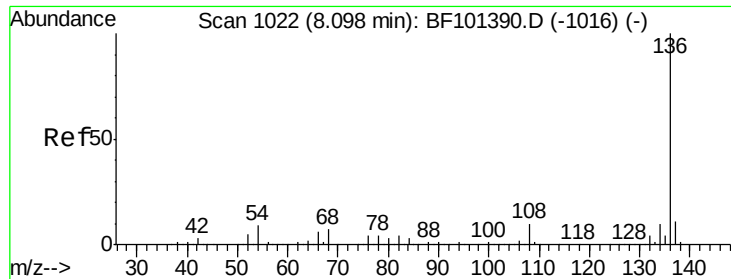
70 100

42 53.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

Tot Ion:136 Resp: 587601

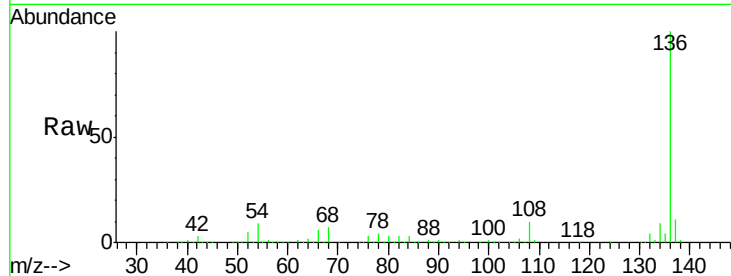
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.4 6.6 9.8

68 6.6 5.0 7.4

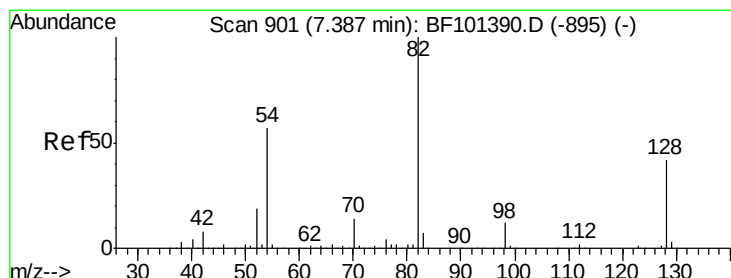
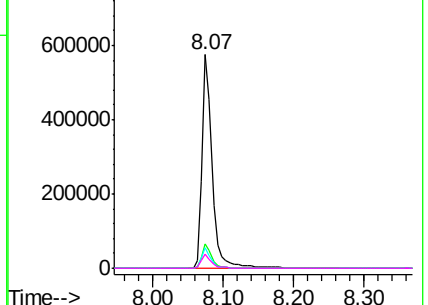
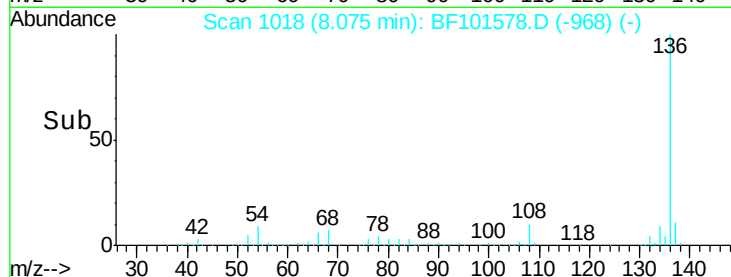


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.301 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

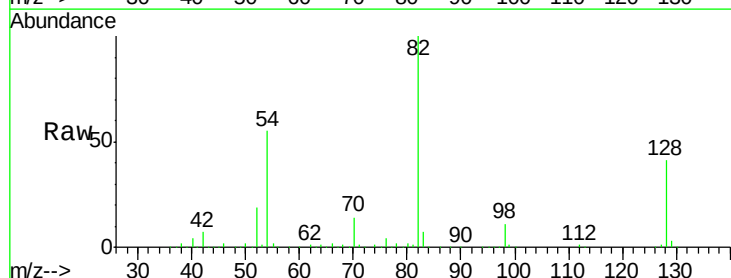
Tgt Ion: 82 Resp: 932092

Ion Ratio Lower Upper

82 100

128 41.5 36.1 54.1

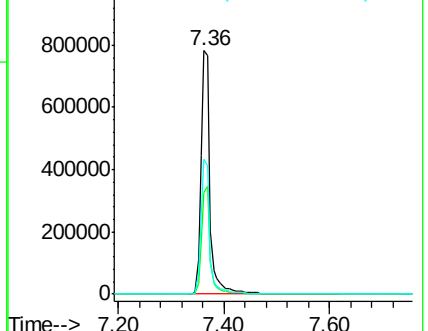
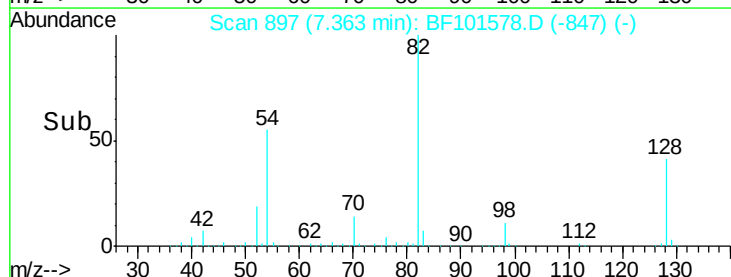
54 55.2 41.4 62.2

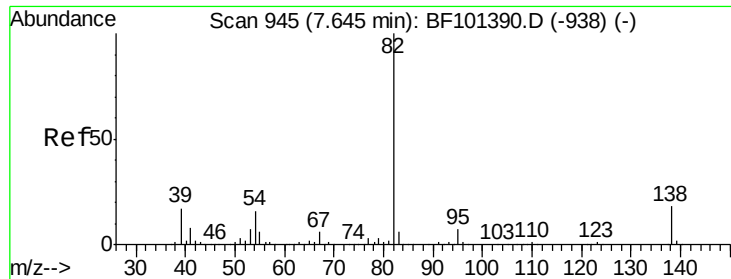


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.017 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

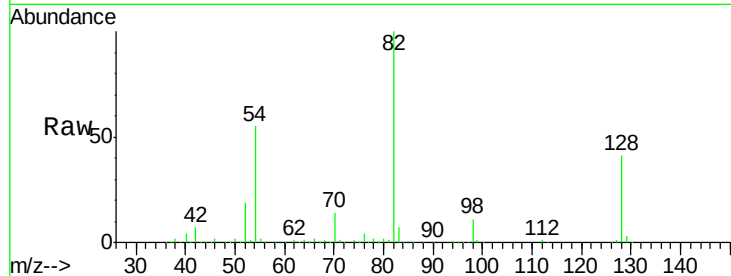
Tot Ion: 82 Resp: 932092

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

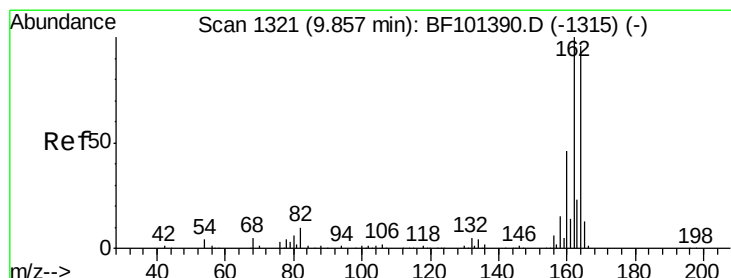
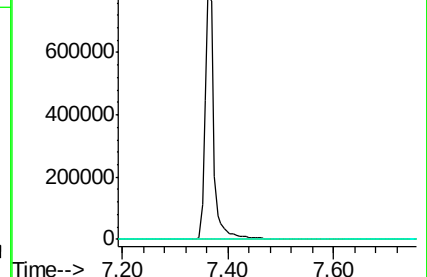
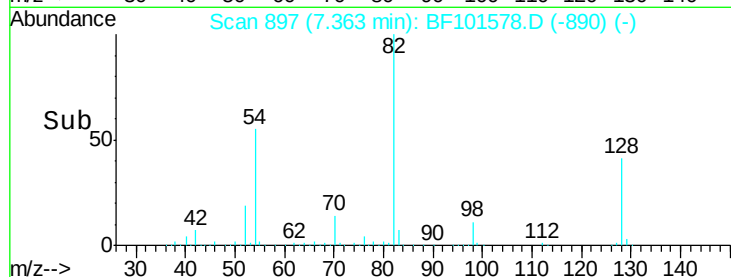
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

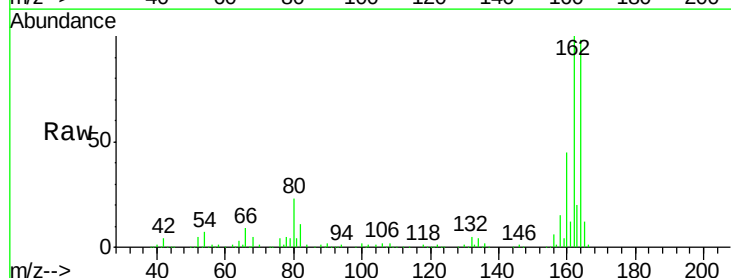
Tgt Ion: 164 Resp: 242718

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

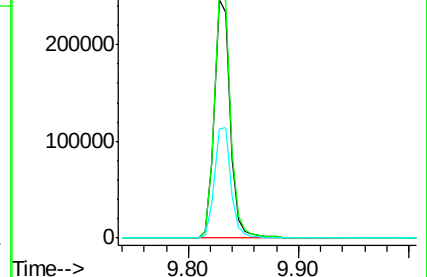
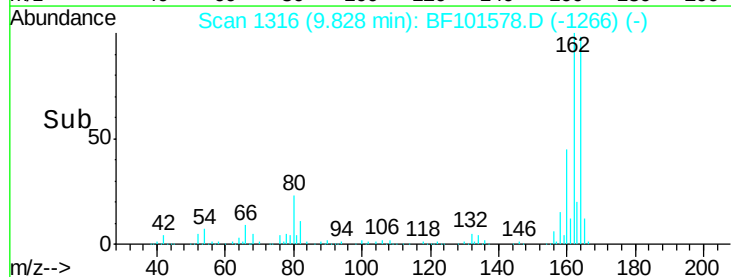
160 45.9 38.3 57.5

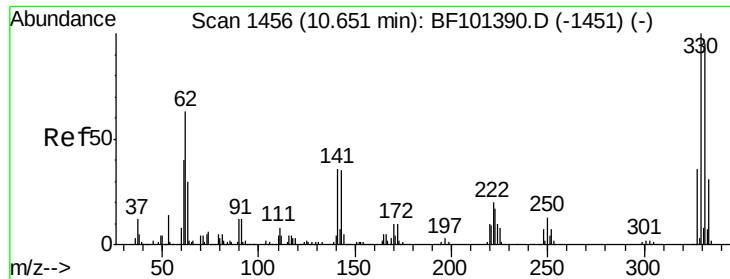


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

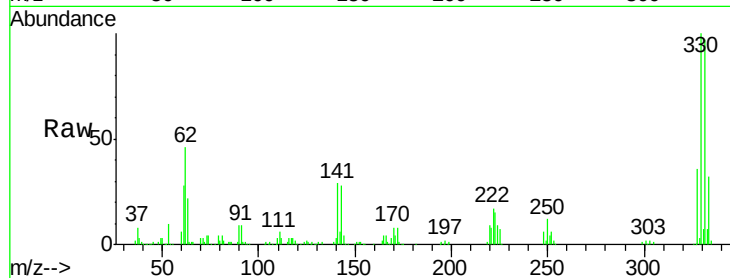




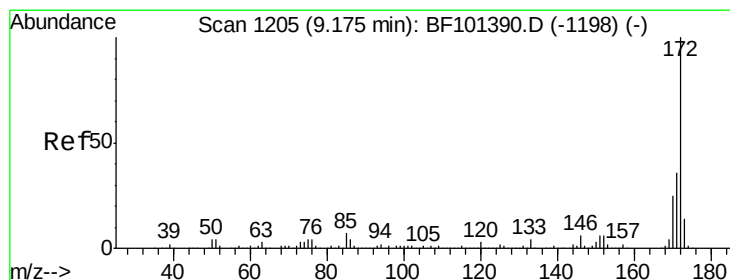
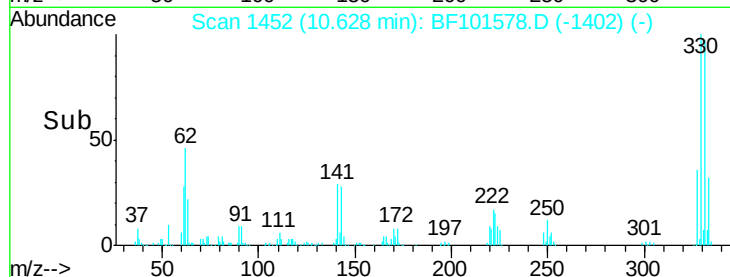
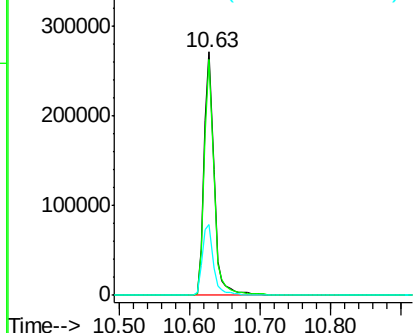
#41
 2,4,6-Tribromophenol
 Concen: 115.186 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Tot Ion:330 Resp: 269394
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 32.8 29.9 44.9

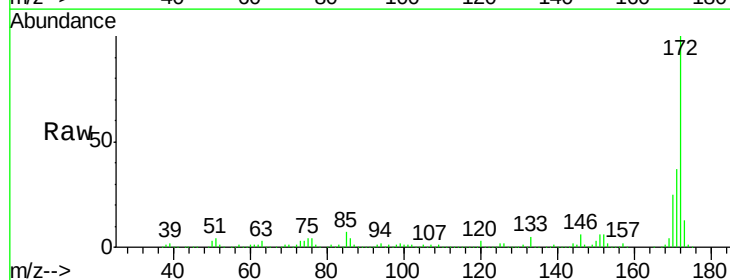


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

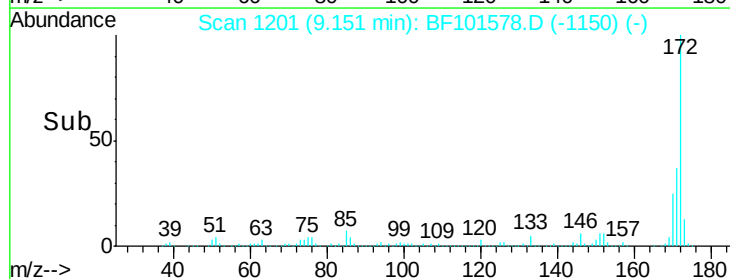
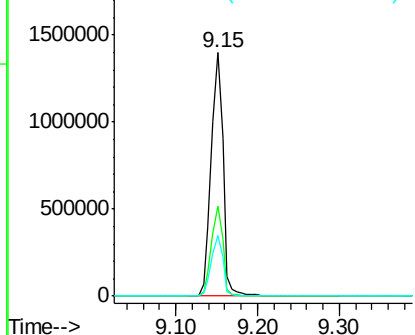


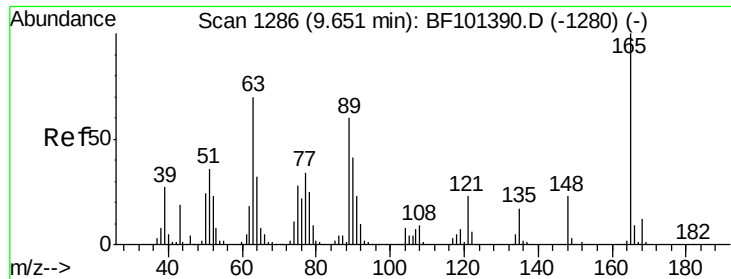
#44
 2-Fluorobiphenyl
 Concen: 90.492 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

Tgt Ion:172 Resp: 1415897
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.9 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

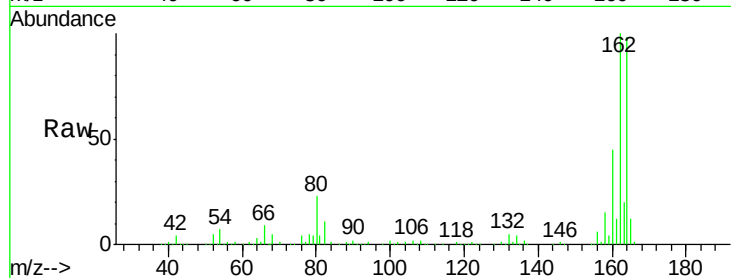




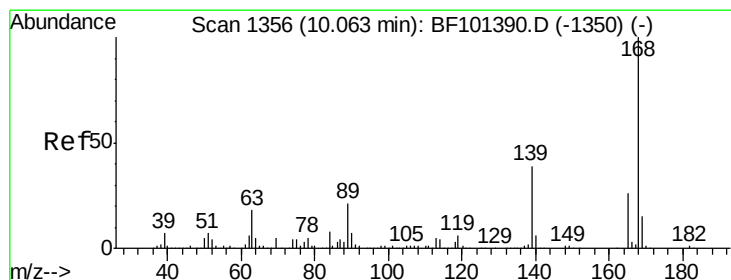
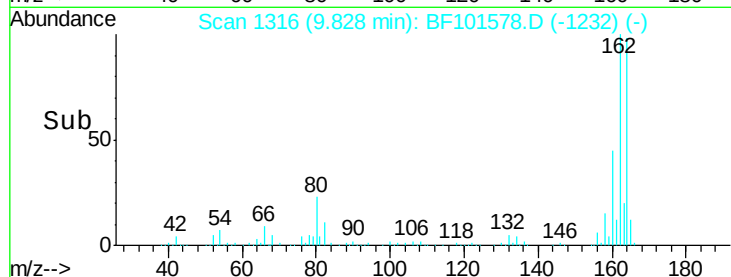
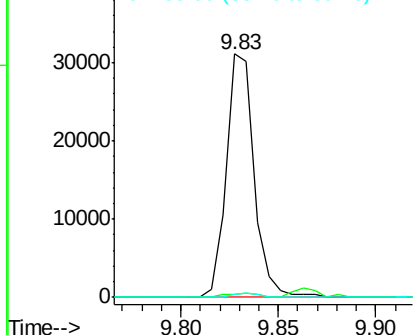
#50
 2,6-Dinitrotoluene
 Concen: 7.735 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	44.0	66.0#



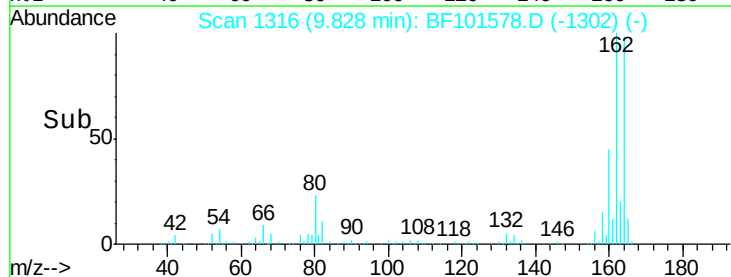
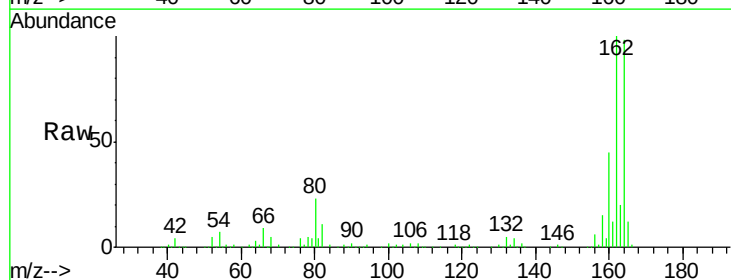
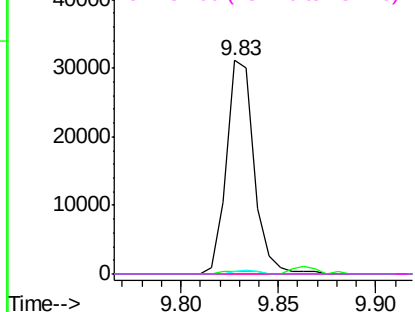
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

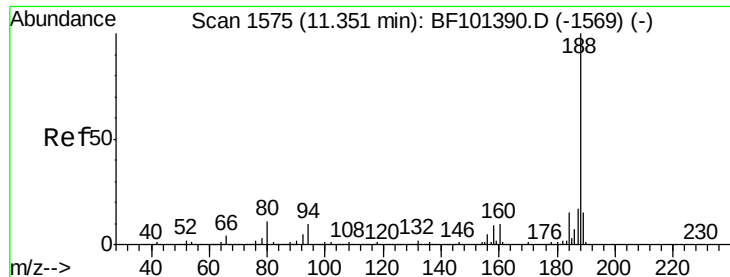


#56
 2,4-Dinitrotoluene
 Concen: 6.865 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.22 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.4	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

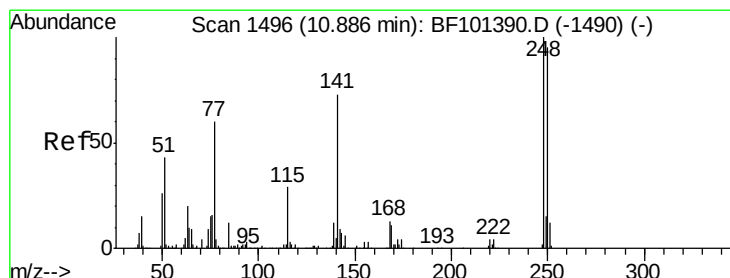
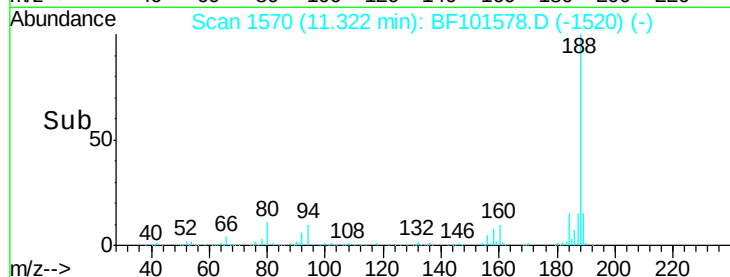
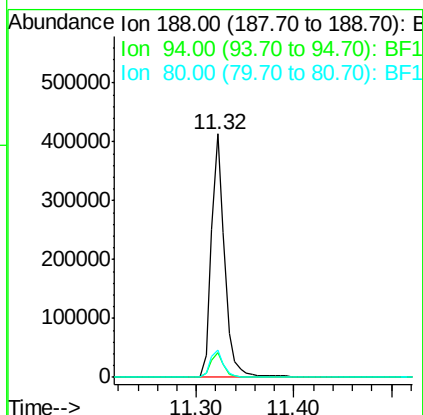
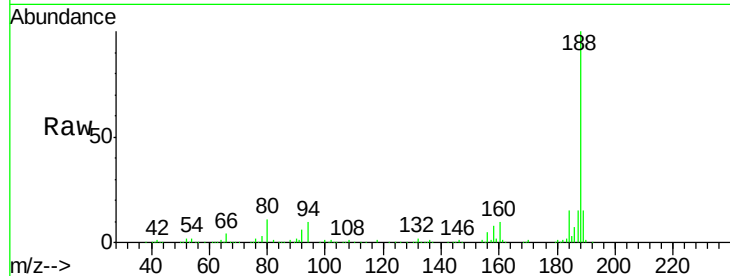




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

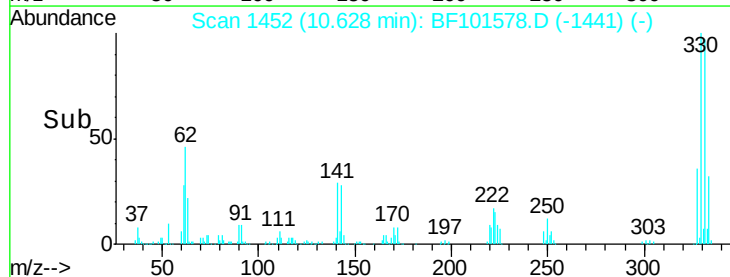
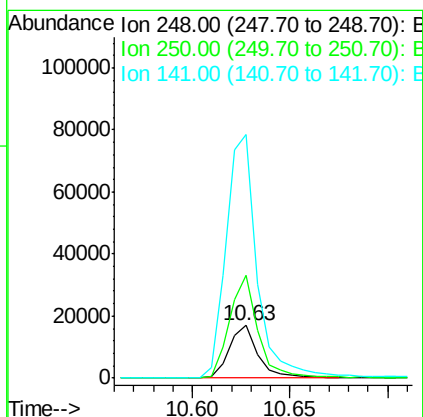
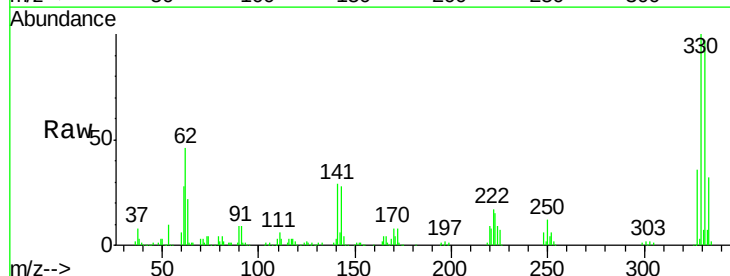
Instrument :
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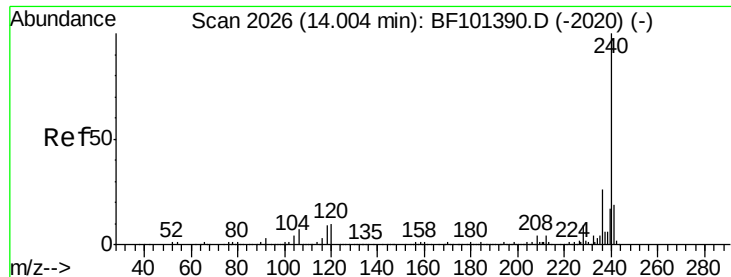
Tot Ion:188 Resp: 388510
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.5 12.7
 80 11.3 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.926 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

Tgt Ion:248 Resp: 17138
 Ion Ratio Lower Upper
 248 100
 250 196.8 76.9 115.3#
 141 464.5 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

Instrument :

BNA_F

ClientSampleId :

PHMHB-WCS

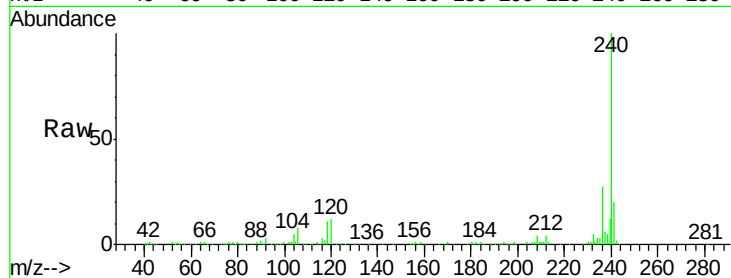
Tot Ion:240 Resp: 262240

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

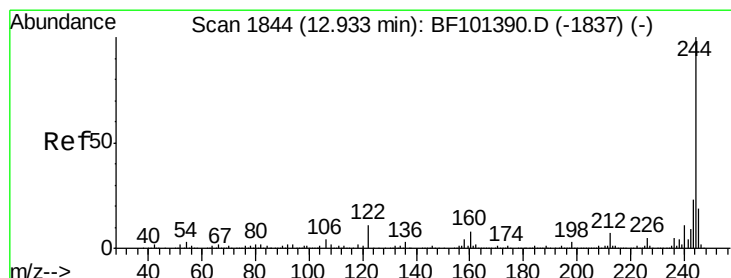
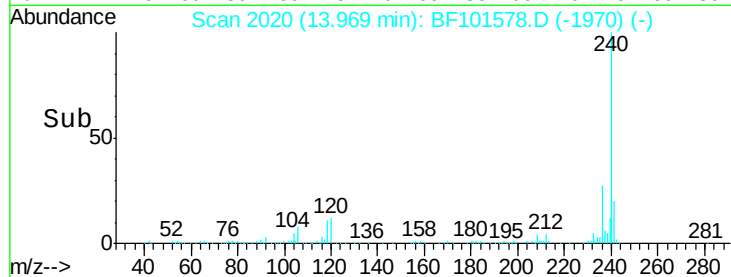
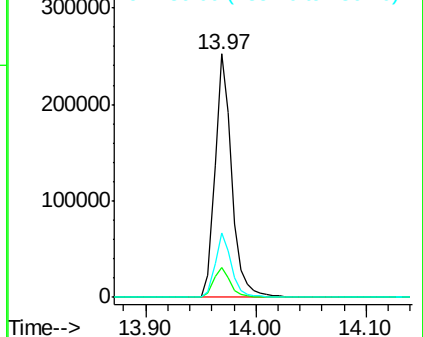
236 26.6 20.7 31.1



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: 94.242 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101578.D

Acq: 20 Dec 2017 20:00

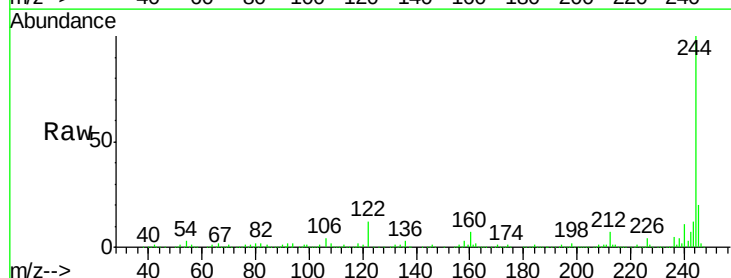
Tgt Ion:244 Resp: 1025149

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

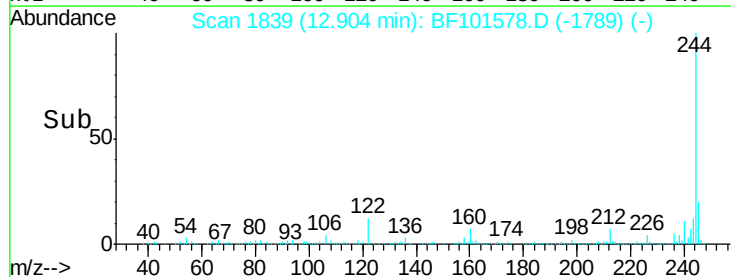
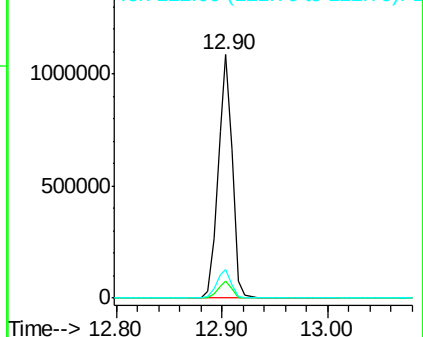
122 11.7 11.0 16.4

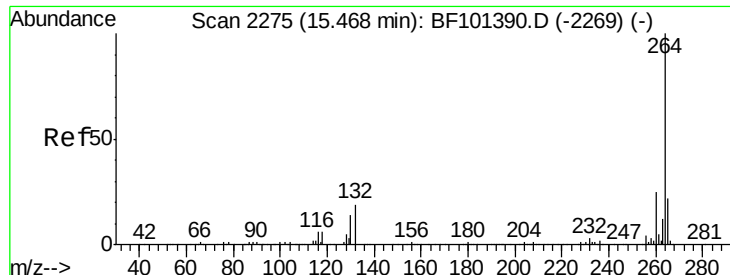


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF101578.D
 Acq: 20 Dec 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :
 PHMHB-WCS

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

