

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122017\
 Data File : BF101577.D
 Acq On : 20 Dec 2017 19:33
 Operator : SJ/JU
 Sample : I6981-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

Quant Time: Dec 21 04:06:27 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

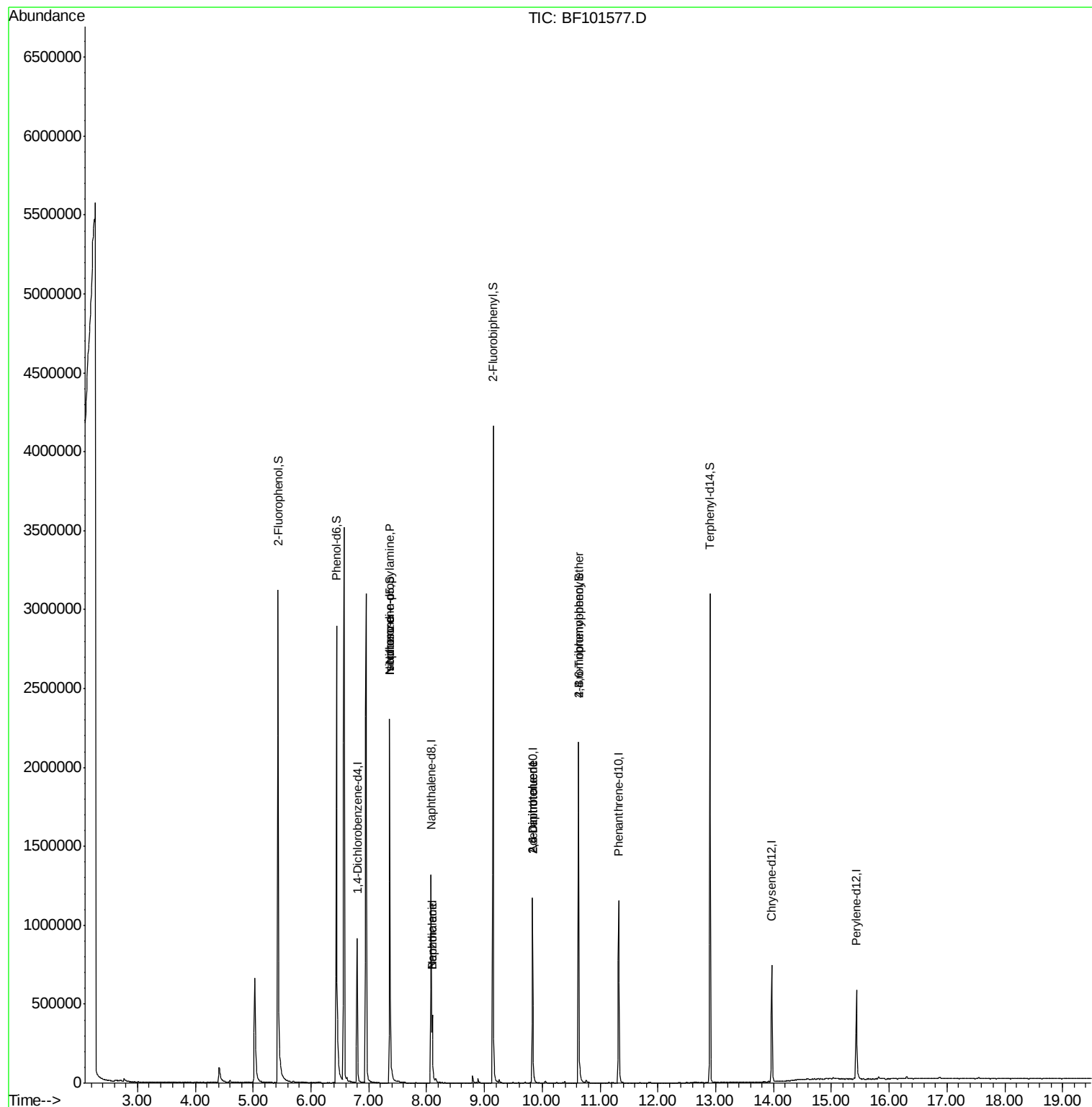
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	151829	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	598713	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	252099	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	428936	20.00	ng	0.00
75) Chrysene-d12	13.97	240	269881	20.00	ng	0.00
86) Perylene-d12	15.43	264	320974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1062955	104.29	ng	0.02
7) Phenol-d6	6.44	99	1204591	94.96	ng	0.00
23) Nitrobenzene-d5	7.36	82	901939	83.86	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	280339	115.41	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1432326	88.14	ng	0.00
78) Terphenyl-d14	12.90	244	1066483	95.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	121675	14.606	ng	# 82
25) Isophorone	7.36	82	901939	41.802	ng	# 64
31) Naphthalene	8.10	128	195743	6.494	ng	# 98
32) Benzoic acid	8.10	122	132	7.980	ng	# 1
50) 2,6-Dinitrotoluene	9.83	165	31757	7.705	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	31757	6.839	ng	# 23
66) 4-Bromophenyl-phenylether	10.63	248	16912	3.509	ng	# 1

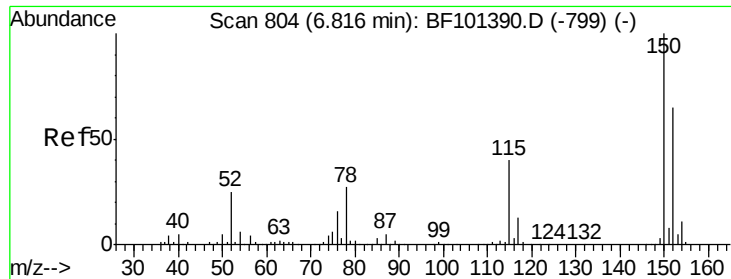
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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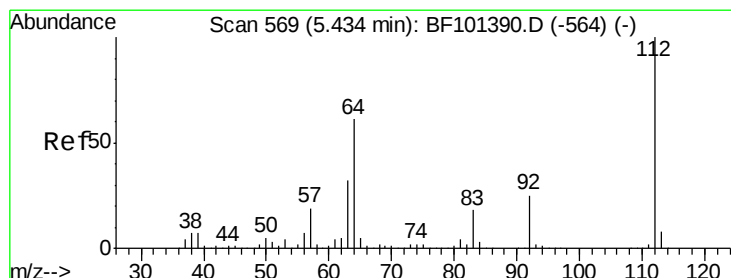
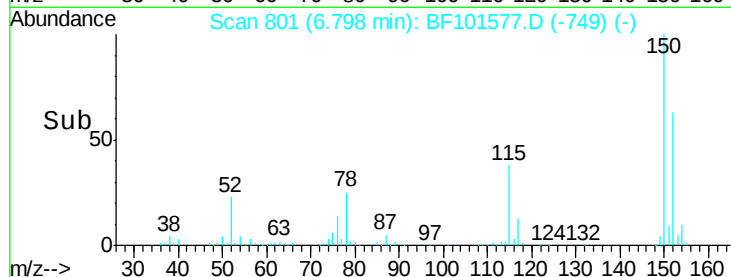
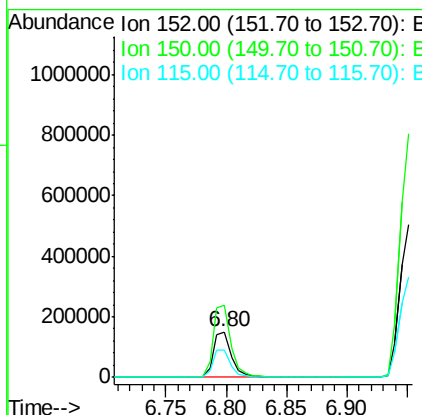
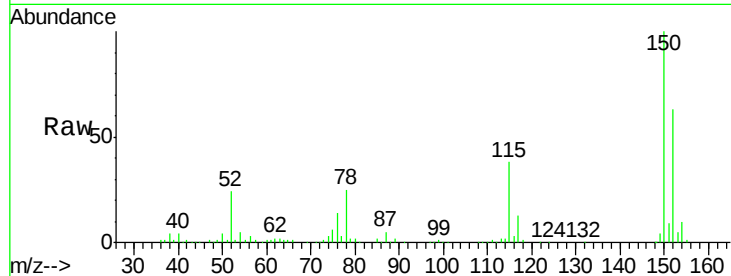




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF101577.D
 Acq: 20 Dec 2017 19:33

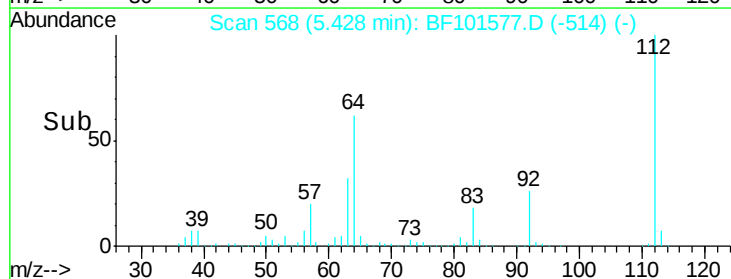
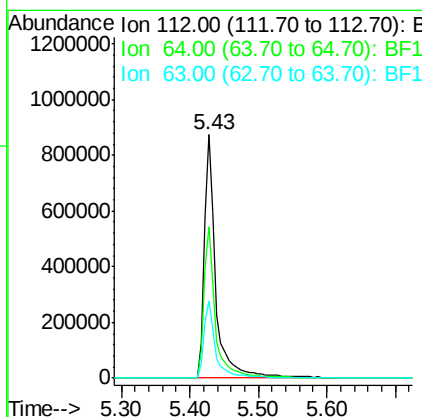
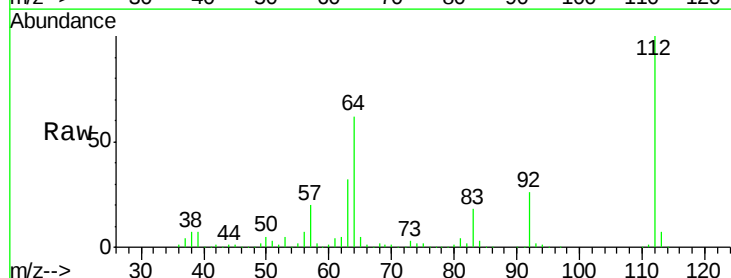
Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

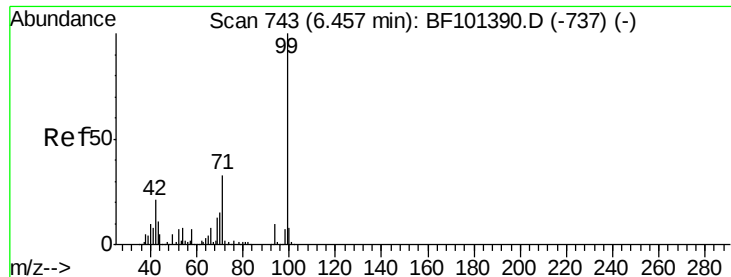
Tot Ion:152 Resp: 151829
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.6 186.8
 115 60.7 50.1 75.1



#5
 2-Fluorophenol
 Concen: 104.285 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF101577.D
 Acq: 20 Dec 2017 19:33

Tgt Ion:112 Resp: 1062955
 Ion Ratio Lower Upper
 112 100
 64 62.4 47.9 71.9
 63 31.8 23.7 35.5





#7

Phenol-d6

Concen: 94.960 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCD

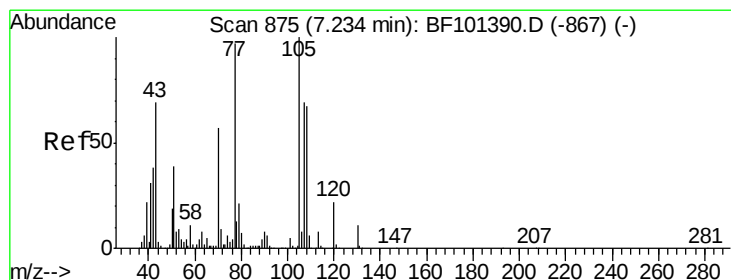
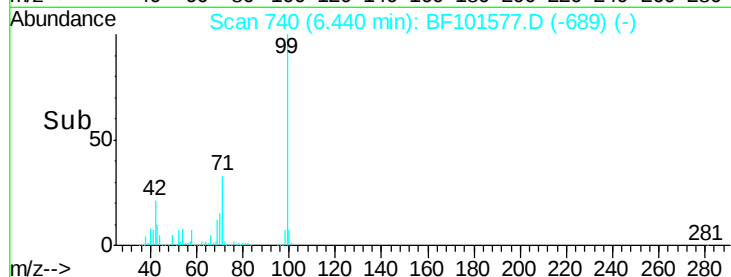
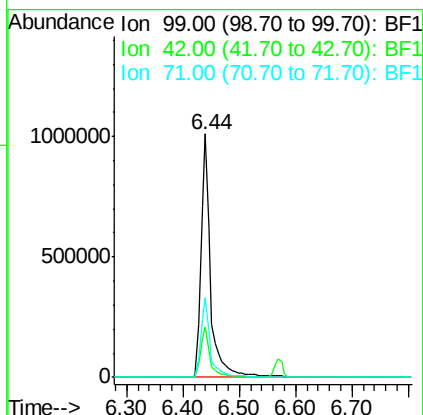
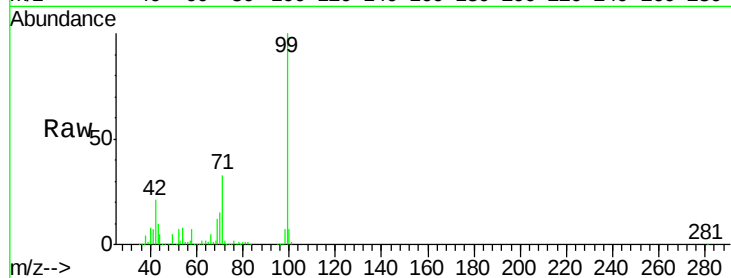
Tot Ion: 99 Resp: 1204591

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.606 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

Tgt Ion: 70 Resp: 121675

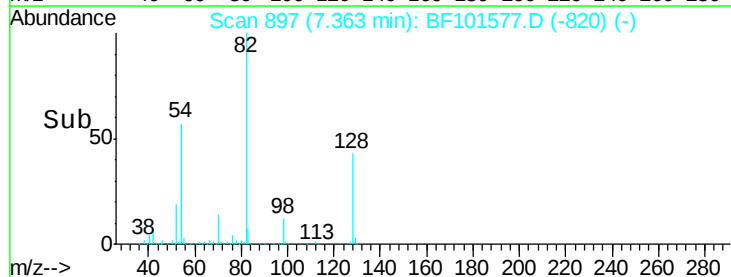
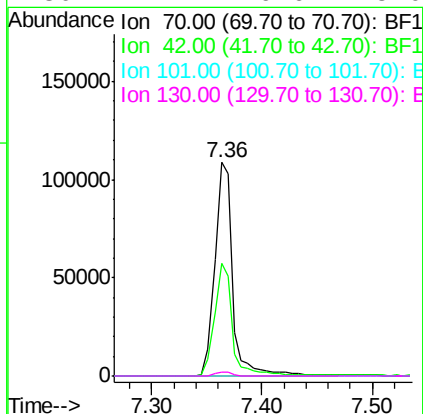
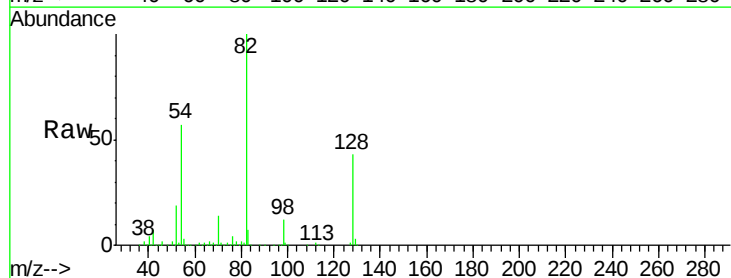
Ion Ratio Lower Upper

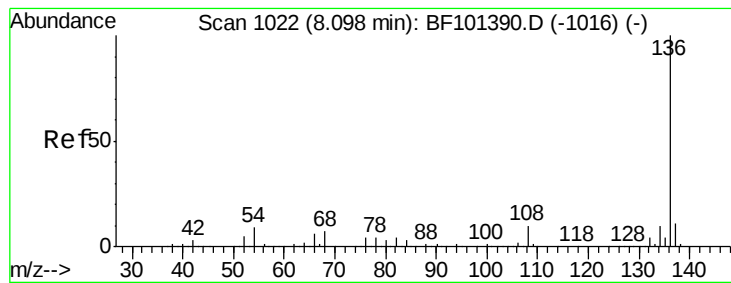
70 100

42 52.7 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: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCD

Tot Ion:136 Resp: 598713

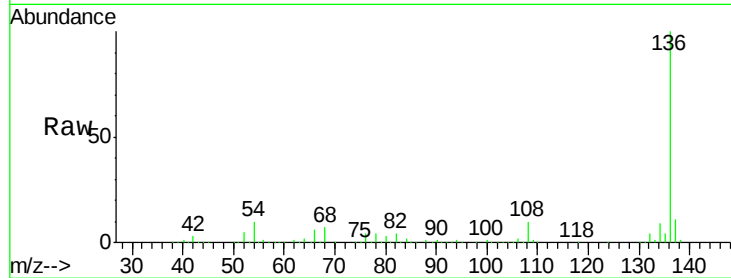
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.6 6.6 9.8

68 6.8 5.0 7.4

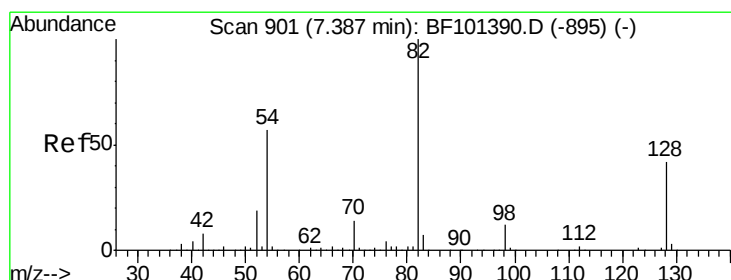
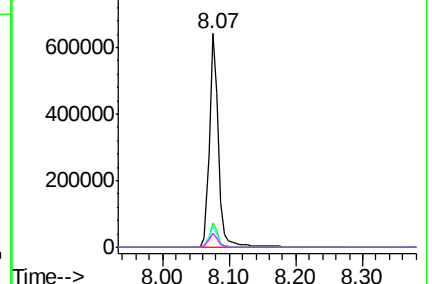
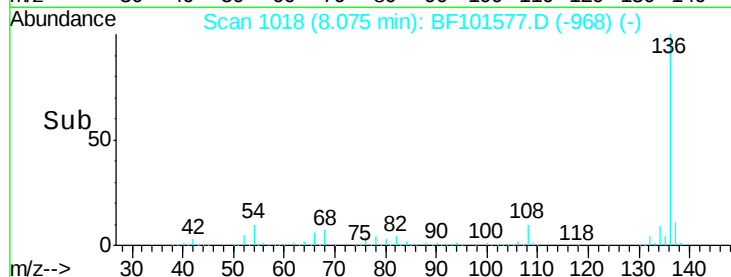


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.858 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

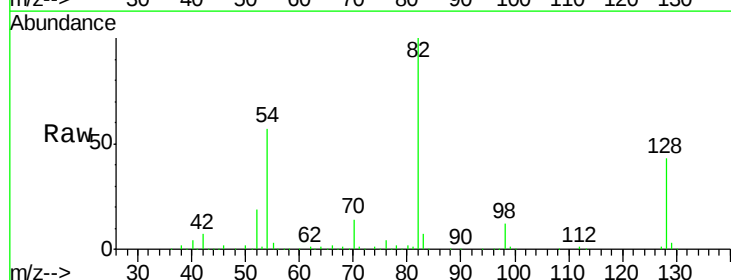
Tgt Ion: 82 Resp: 901939

Ion Ratio Lower Upper

82 100

128 43.4 36.1 54.1

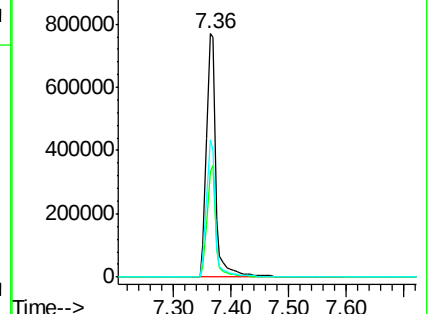
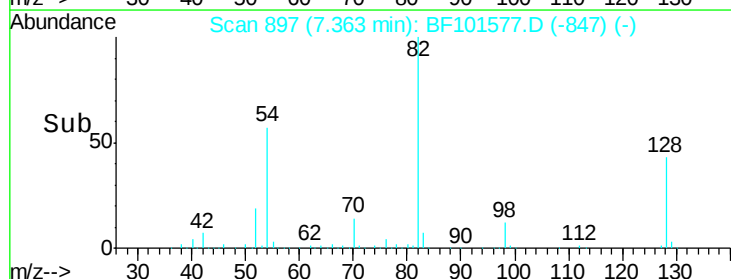
54 56.5 41.4 62.2

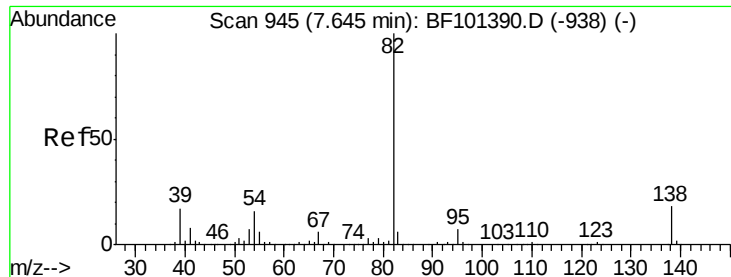


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.802 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCD

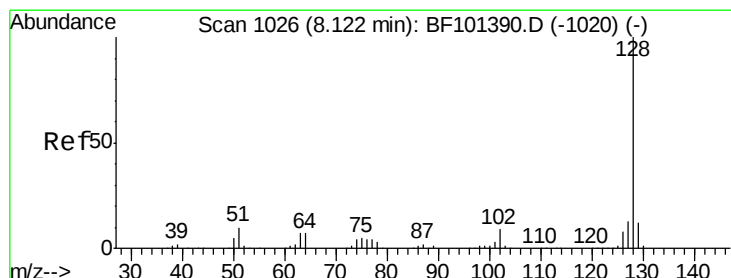
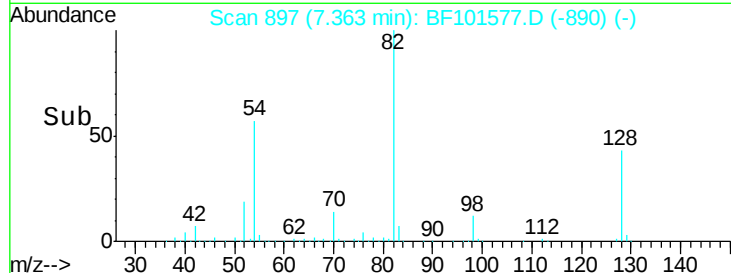
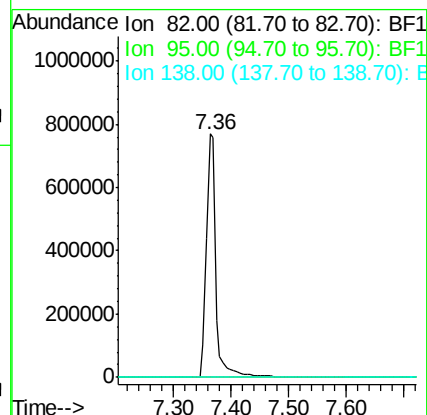
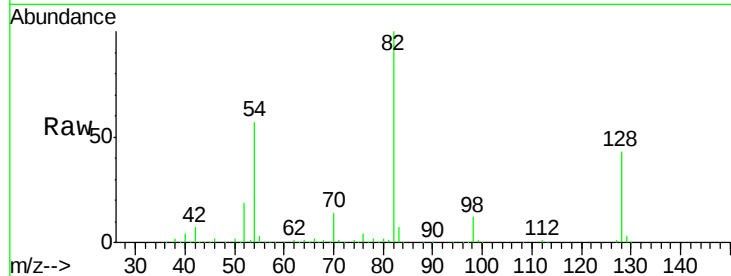
Tot Ion: 82 Resp: 901939

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#31

Naphthalene

Concen: 6.494 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

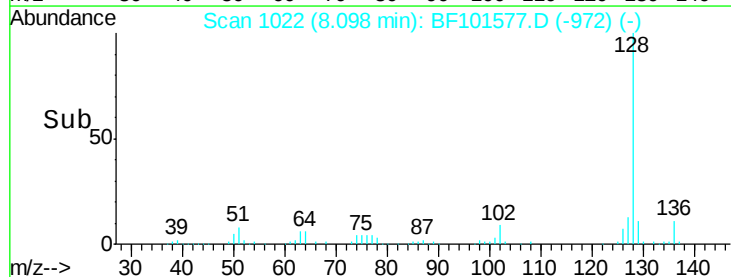
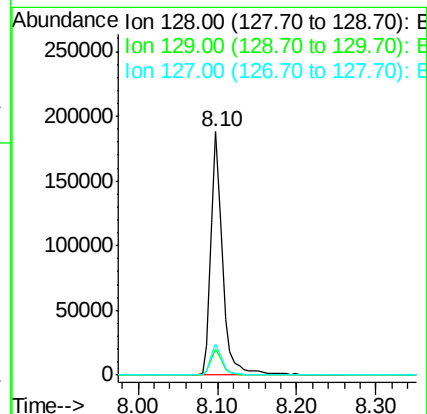
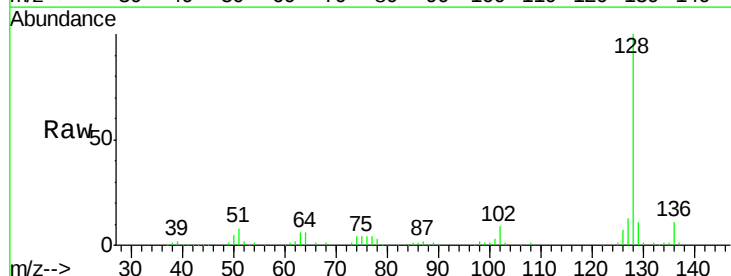
Tgt Ion: 128 Resp: 195743

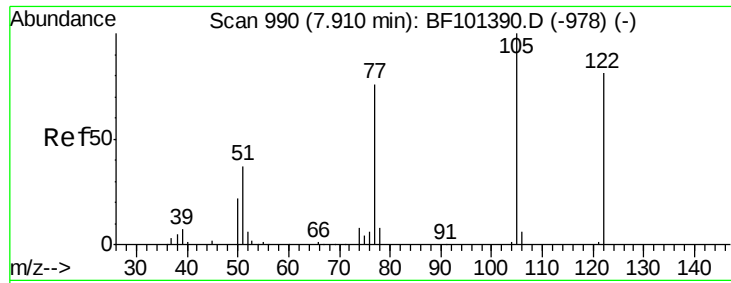
Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

127 12.8 10.9 16.3

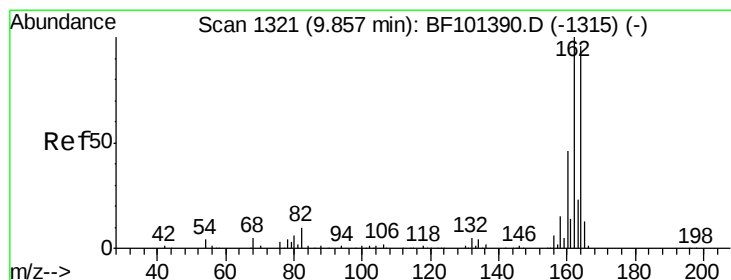
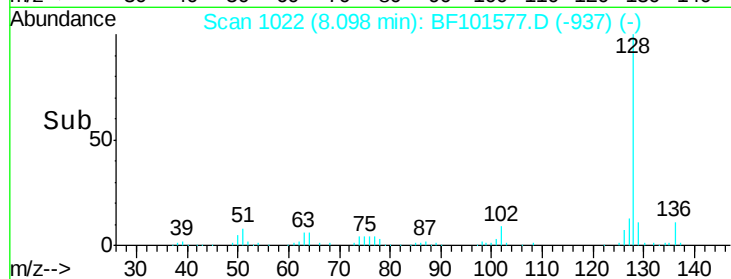
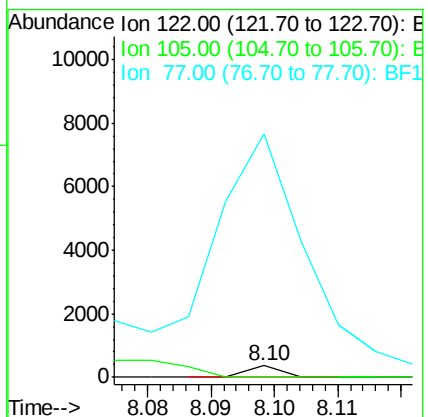
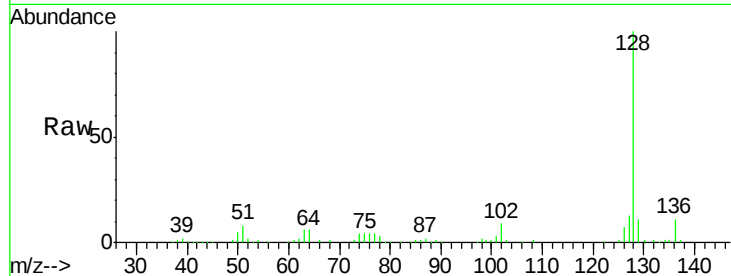




#32
Benzoic acid
Concen: 7.980 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.20 min
Lab File: BF101577.D
Acq: 20 Dec 2017 19:33

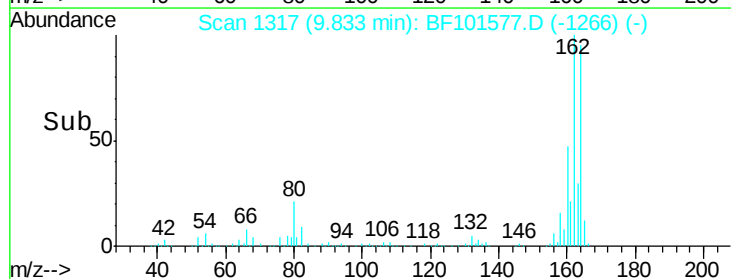
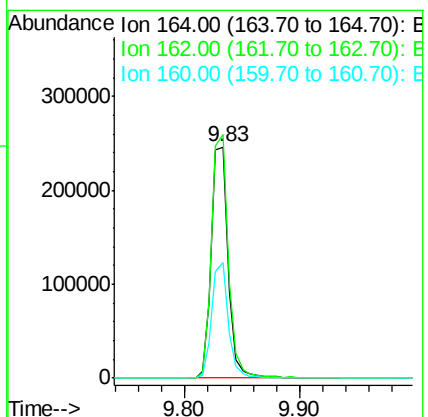
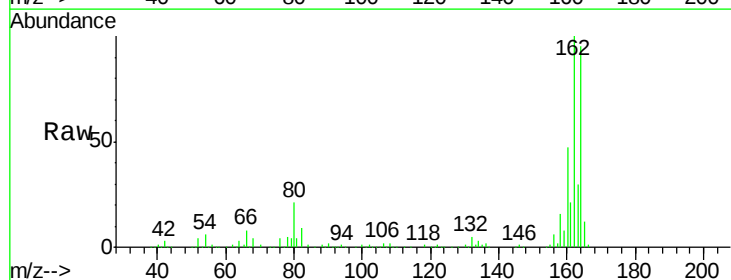
Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

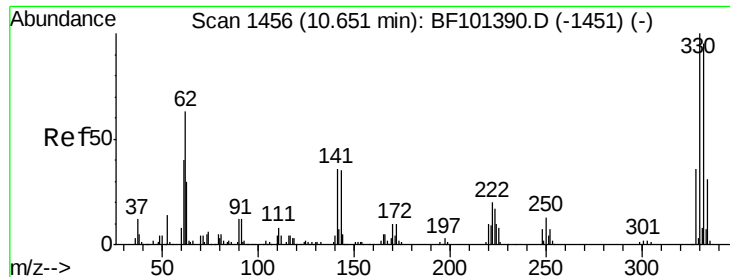
Tot Ion:122 Resp: 132
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 2054.7 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF101577.D
Acq: 20 Dec 2017 19:33

Tgt Ion:164 Resp: 252099
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 49.8 38.3 57.5

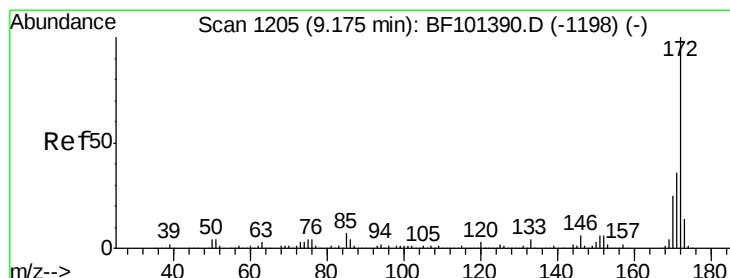
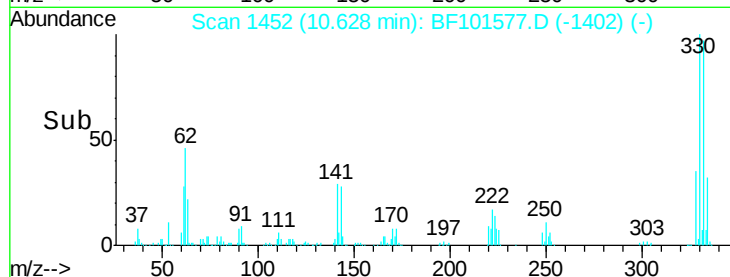
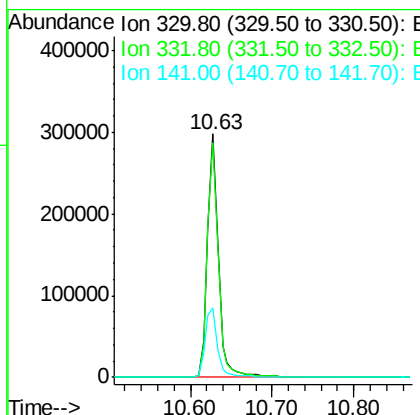
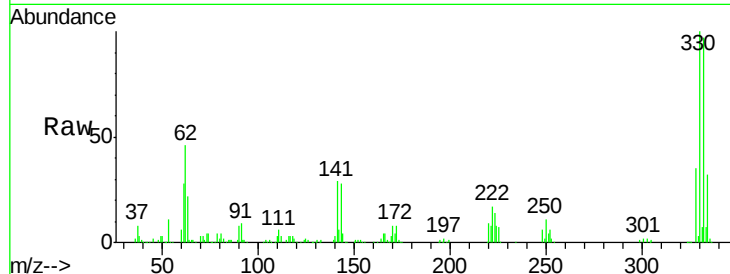




#41
 2,4,6-Tribromophenol
 Concen: 115.405 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101577.D
 Acq: 20 Dec 2017 19:33

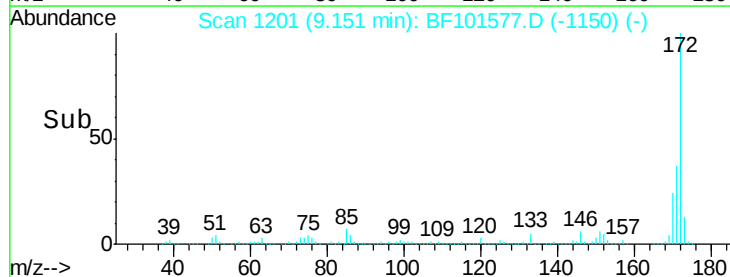
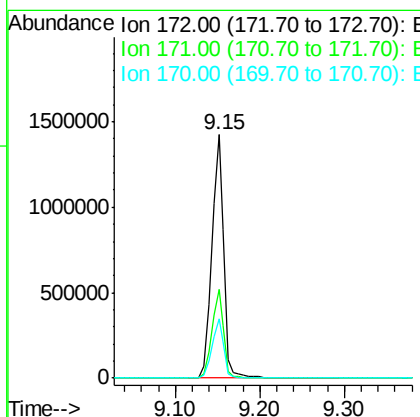
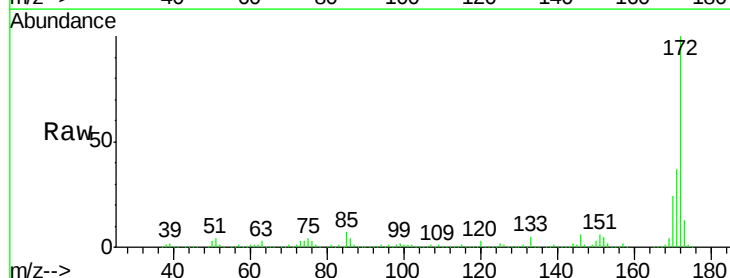
Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

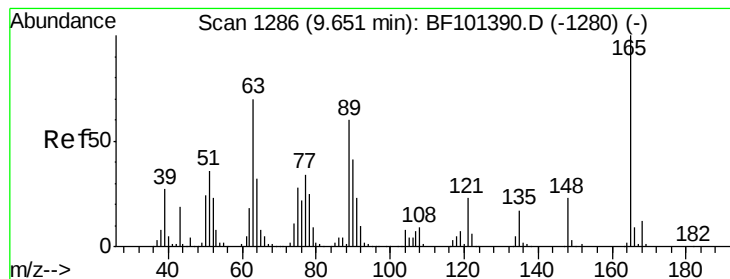
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 88.135 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101577.D
 Acq: 20 Dec 2017 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.2	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 7.705 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCD

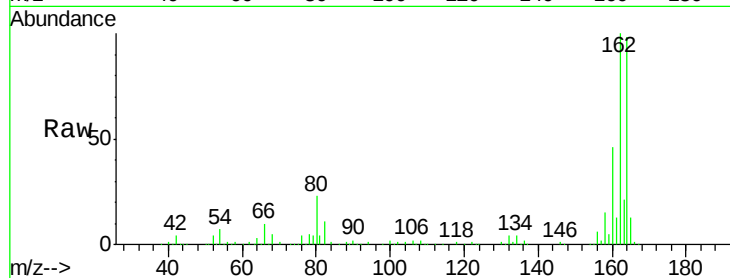
Tot Ion:165 Resp: 31757

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

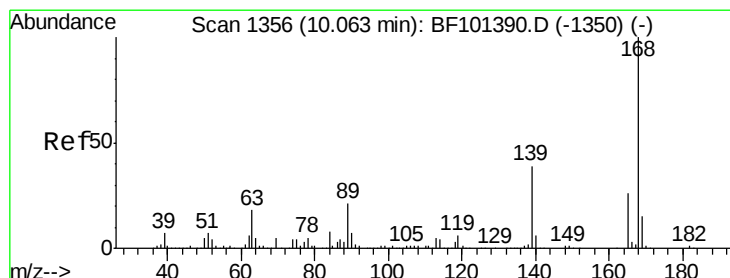
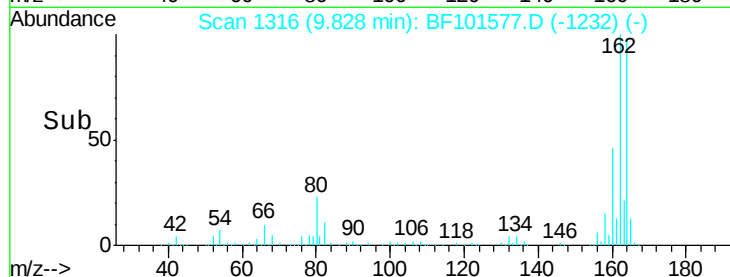
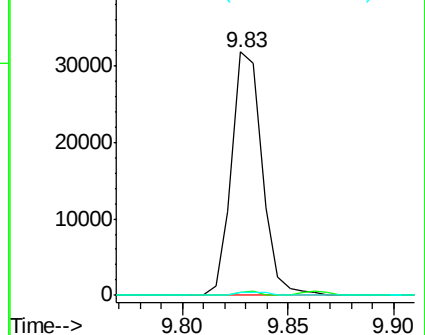
89 1.3 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.839 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.22 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

Tgt Ion:165 Resp: 31757

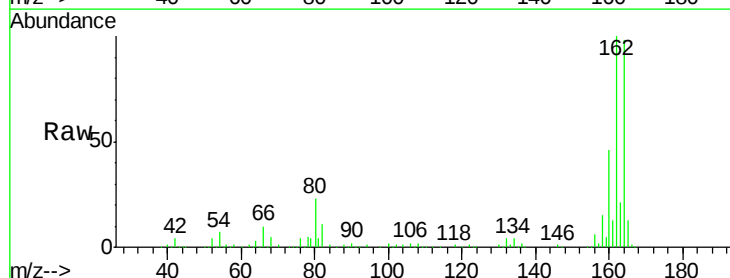
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

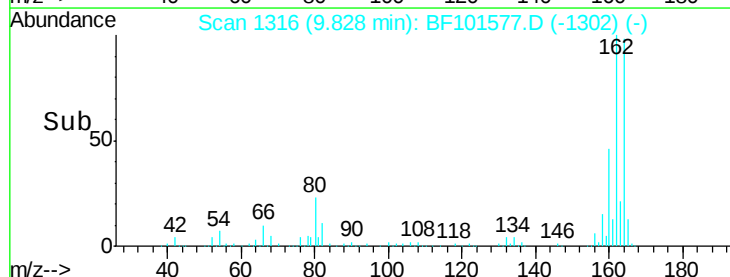
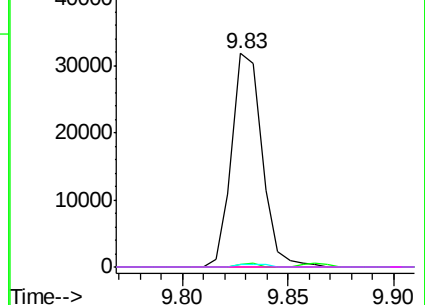


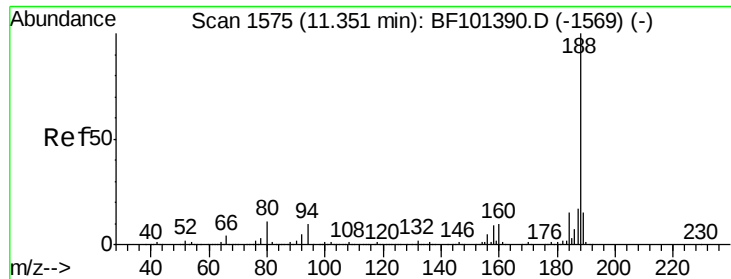
Abundance Ion 165.00 (164.70 to 165.70): E

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

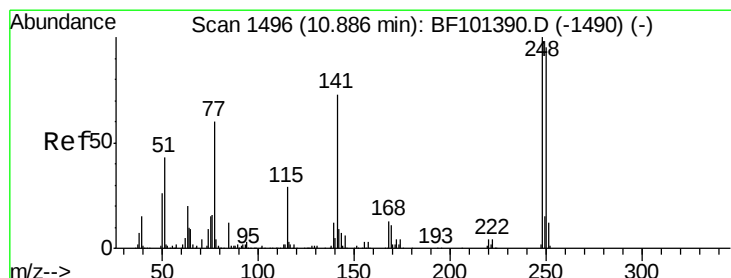
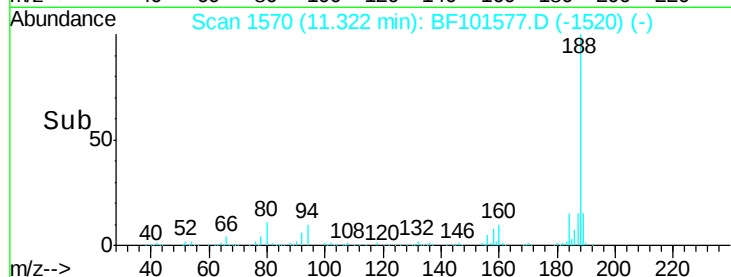
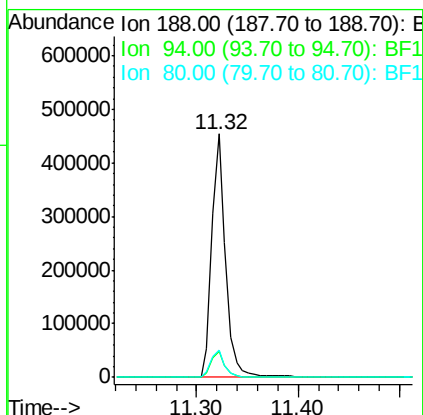
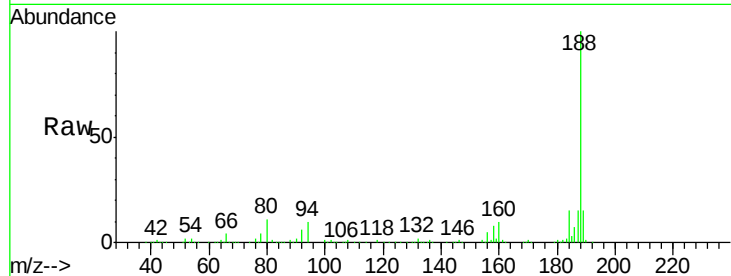




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101577.D
Acq: 20 Dec 2017 19:33

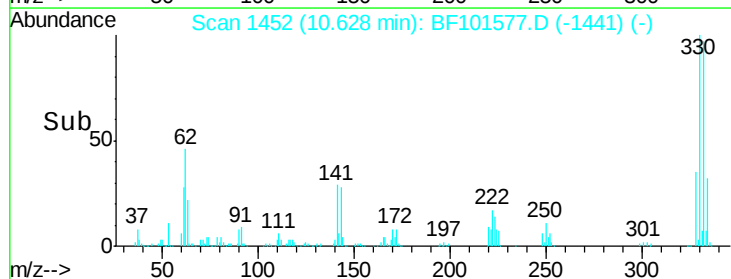
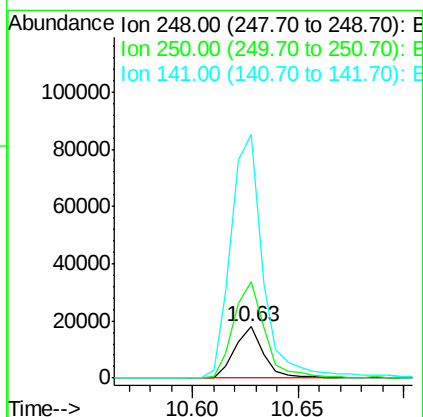
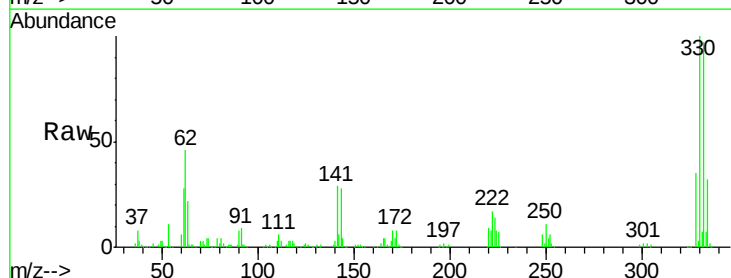
Instrument :
BNA_F
ClientSampleId :
PHMHA-WCD

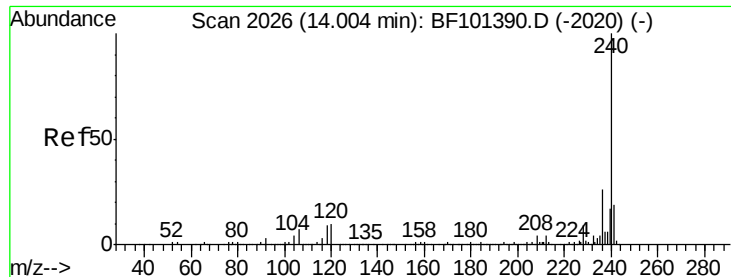
Tot Ion:188 Resp: 428936
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.509 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF101577.D
Acq: 20 Dec 2017 19:33

Tgt Ion:248 Resp: 16912
Ion Ratio Lower Upper
248 100
250 189.0 76.9 115.3#
141 474.7 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: BF101577.D

Acq: 20 Dec 2017 19:33

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCD

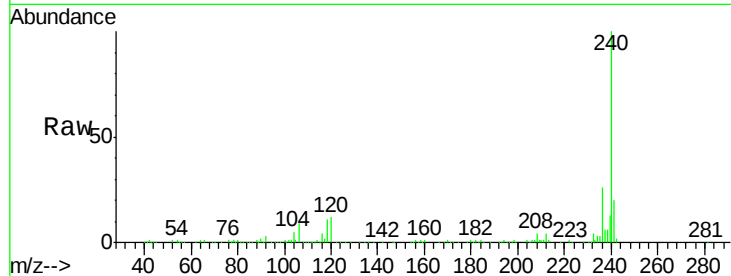
Tot Ion:240 Resp: 269881

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

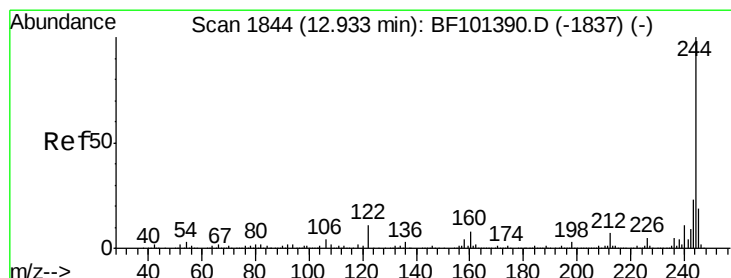
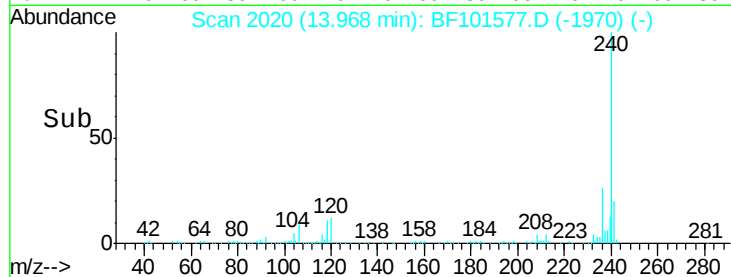
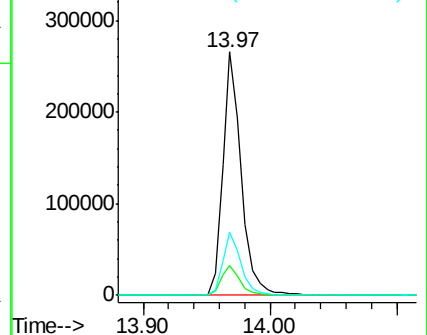
236 26.0 20.7 31.1



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: 95.266 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101577.D

Acq: 20 Dec 2017 19:33

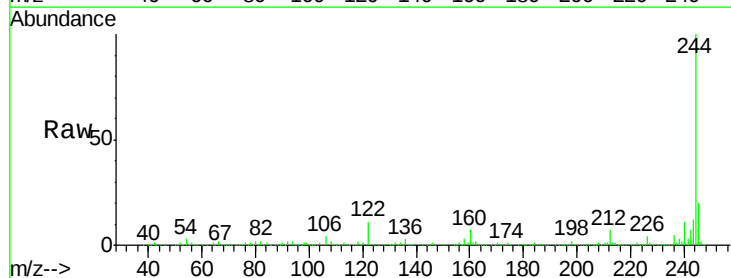
Tgt Ion:244 Resp: 1066483

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

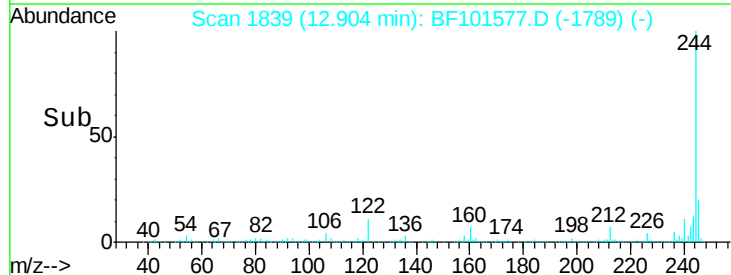
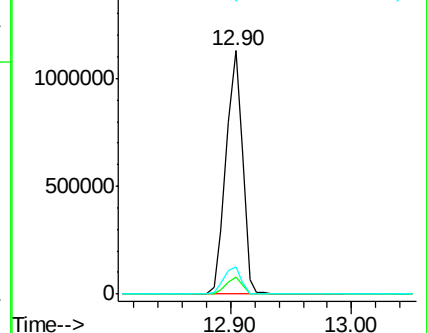
122 11.5 11.0 16.4

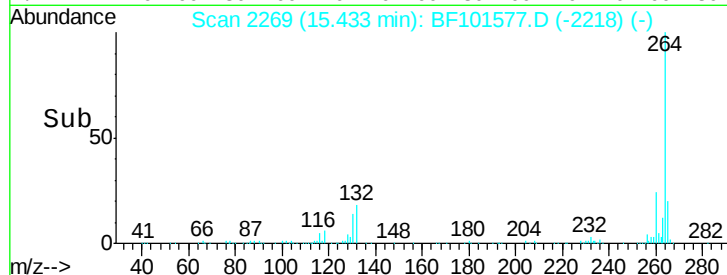
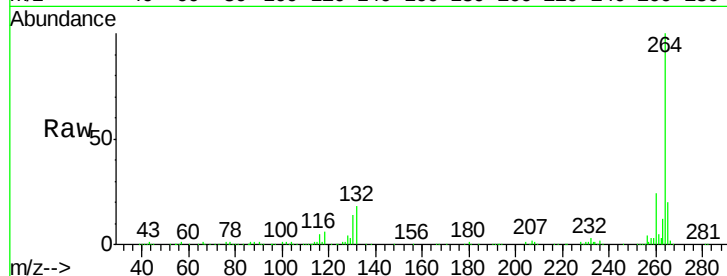
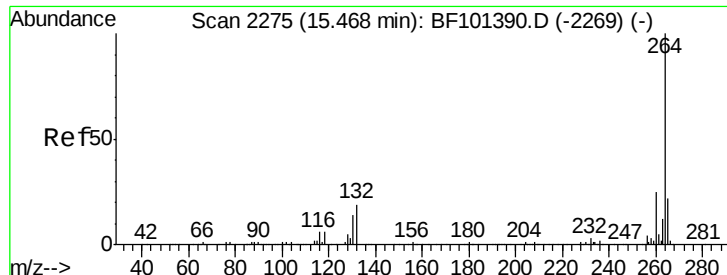


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF101577.D
 Acq: 20 Dec 2017 19:33

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.1	17.5	26.3

